

# Street and Area Standards



**MILLERBERND**





Since its founding in 1933, Millerbernd Manufacturing Company has been known for the innovation and design of lighting structures. As a leading manufacturer of structural lighting products across the United States, Millerbernd Manufacturing Company has been able to create an extensive selection of carbon steel and stainless steel lighting structures. Our centralized location allows us to deliver exceptional products and service across the United States.

The standard products listed within this catalog are just the building blocks for Millerbernd Manufacturing Company's Street and Area Lighting Capabilities. With Millerbernd, the possibilities are practically limitless and we can design and build nearly any structure you can imagine.

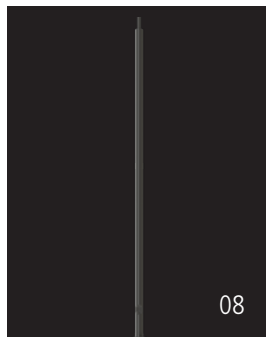
Whether you need an industry standard or an unconventional design; our sales staff, in-house engineers, and experienced craftsmen are ready to assist you in finding the perfect lighting structure to fit both your project and budget.



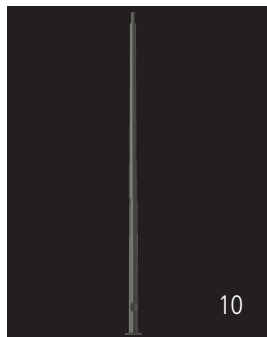


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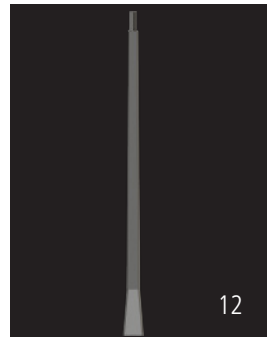
ARN (NON-TAPERED)



ART (TAPERED)



ACT (CHAMFERED SQUARE)



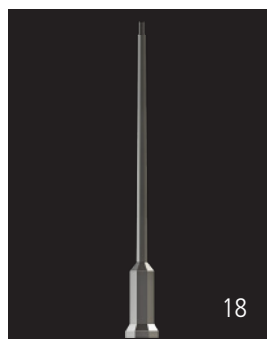
AMT (MULTI-SIDED HIGH BASE)



AHT (HINGED-POLE)



APT (PATHWAY)



SD1 (DAVIT ARM)



SD2 (DAVIT ARM)



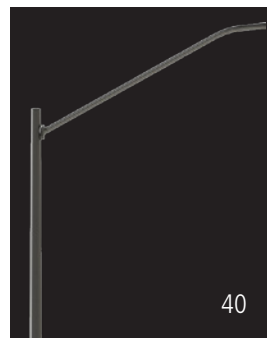
SJ1 (TAPERED ARM)



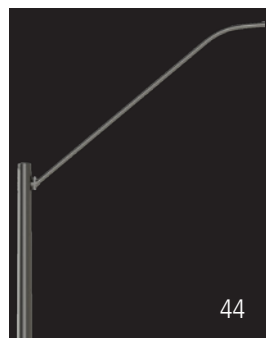
SB1 (BEAM ARM)



SP1 (PIPE ARM)



SP2 (PIPE ARM)



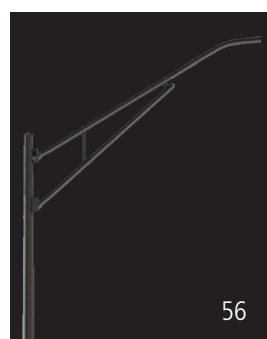
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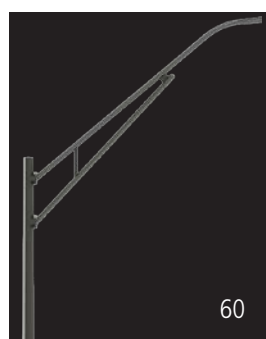
ST1 (TRUSS ARM)



ST2 (TRUSS ARM)



ST3 (TRUSS ARM)





TRANSFORMER BASES



SCREW-IN BASES



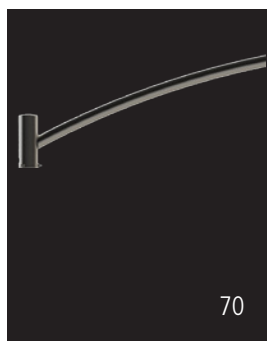
BULLHORN ADAPTERS



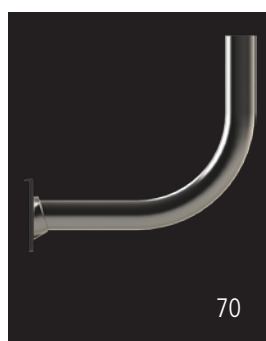
SPOKE ARM ADAPTERS



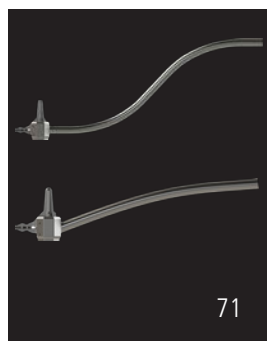
UPSWEEP ARMS



SIDE MOUNT ARMS



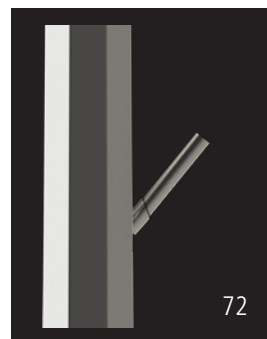
DECORATIVE ARMS



SCROLL BRACES



FLAG HOLDERS



BANNER BRACKETS



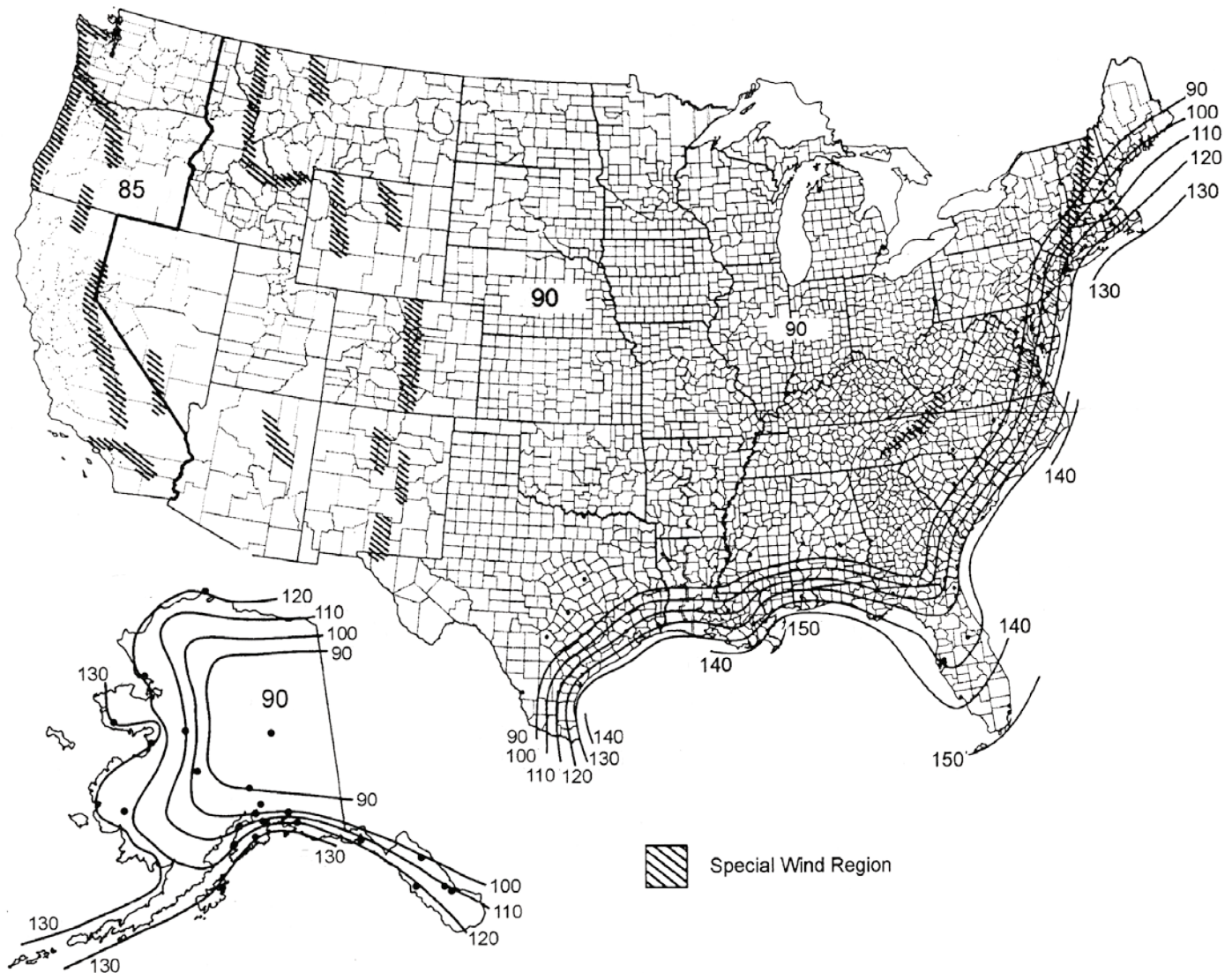
COVERS, FESTOONS, & COUPLINGS







# WIND ZONE VELOCITY MAP



\*Reference ASCE 2009 Isotach Wind Map

## DESIGN CRITERIA

Millerbernd Manufacturing Company product standards are designed for ground mounted applications. Products located in area of known abnormal wind conditions or mounted on structures, bridges, or buildings require factory consultation. Height correction and drag coefficient are applied to the entire structure.

Millerbernd Manufacturing Company standard lighting structures are designed to meet **AASHTO 2013** standards.

Maximum EPA calculations are based on a weight to EPA ratio of approximately 25 pounds per square foot.



# AREA LIGHTING PRODUCT ORDERING CODE

## EXAMPLE

ART - (Tapered)	A - (Anchor Base)	094 - (9.4" Base Diameter)	A - (11 Gauge Material)	250 - (25' Mounting Height)	PT1 - (2.38" x 4" Tenon)	R - (Round Cross Section)	GV - (Galvanized Finish)	BKB (Breakaway Base)
Design	Base	Base Diameter	Wall Thickness	Mounting Height	Mounting Style	Cross Section	Finish	Options
1	2	3	4	5	6	7	8	9

### 1 Design

ARN = Non-Tapered  
ART = Tapered  
ACT = Chamfered Square

AHT = Hinged Pole  
APT = Pathway Pole

### 2 Base

A = Anchor Base  
H = High Base (H-Base)

D = Direct Embed

### 3 Base Diameter

Base diameter is identified with one decimal place to identify diameter in inches.  
(e.g. 094 = 9.4")

### 4 Wall Thickness

A = 11 GA  
B = 7 GA  
C = 3/16"

D = 1/4"  
E = 0.0721" Stainless Steel  
F = 0.109" Stainless Steel

### 5 Mounting Height

Mounting height is identified with one decimal place to identify height in feet.  
(e.g. 255=25.5')

### 6 Mounting Style

DM19 = Drill 1 at 90°  
DM29 = Drill 2 at 90°  
DM28 = Drill 2 at 180°  
DM39 = Drill 3 at 90°  
DM32 = Drill 3 at 120°  
DM49 = Drill 4 at 90°

PT1 = 2.38" x 4" Tenon  
PT2 = 2.38" x 6" Tenon  
PT3 = 2.88" x 4" Tenon  
PT4 = 3.5" x 6" Tenon  
PT5 = 4" x 6" Tenon  
PT6 = Specialty Top Mount

### 7 Cross Section

R = Round  
H = 8-Sided

W = 16-Sided  
C = Chamfered Square

### 8 Finish

GV = Hot Dip Galvanize  
FP = Finish Paint

GP = Finish Paint over Galvanize  
FR = Frost (Stainless Steel only)

### 9 Options

1BS = 1-Bolt Simplex  
2BS = 2-Bolt Simplex

BKB = Breakaway Base  
LAB = Less Anchor Bolts

\*For all other options, insert listed part number.



# Area Lighting Standards







## ARN (NON-TAPERED)

### ANCHOR BOLTS

Anchor bolts conform to ASTM F1554 Grade-55 standards. Bolts have an "L" bend at one end and a minimum of 12" galvanized threads on the other end. Two galvanized flat washers per ASTM F436 and two galvanized hexagonal nuts per ASTM A563 Grade DH are provided with each bolt.

### BASE

The base plate is fabricated from ASTM A36 (carbon steel) or ASTM A240 (stainless steel). The base is fabricated with slotted bolt holes to allow for a +/- 0.5" variance in listed nominal bolt circle size. The base plate telescopes the pole shaft and is circumferentially welded top and bottom.

### SHAFT

Round pole shafts conform to ASTM A500 Grade B (carbon steel) or ASTM A312 Grade 304L (stainless steel) standards. Octagonal and 16-sided shafts conform to ASTM A1011 Grade 50 (carbon steel) or ASTM A240 Grade 201L (stainless steel) standards.

### HANDHOLE

A reinforced handhole with cover, grounding lug, and hardware is provided with each pole assembly.

### MOUNTING OPTIONS

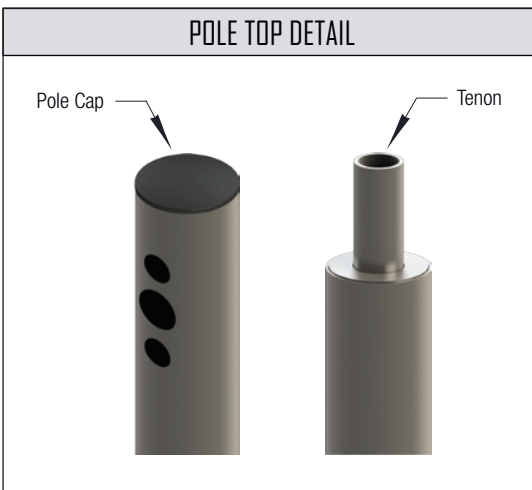
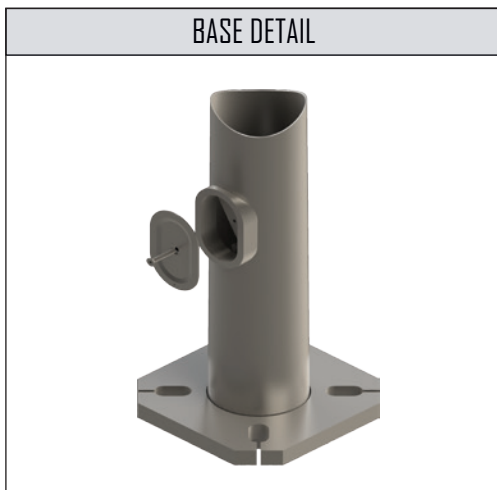
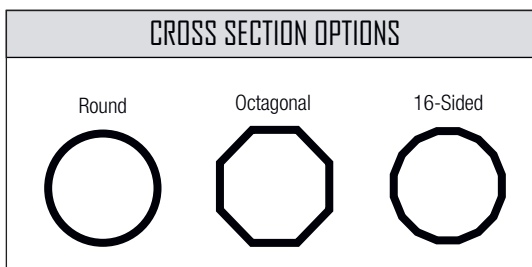
The pole may be specified with a single tenon mount for pole top mounting or side drilled pattern. For multiple fixtures, an adapter (found on pages 64-68 of this catalog) should be used. A removable pole cap is provided for poles specified with side drill luminaire mounting.

### FINISH OPTIONS

Carbon steel poles may be specified as hot-dip galvanized per ASTM A123 and/or finish painted with our standard Millerbond Wet Coat Finish. Stainless steel poles may be specified as frost (rust resistant stainless steel shot blast) finished or finish painted with our standard Millerbond Wet Coat Finish.

### HARDWARE

All hardware and fasteners are supplied with each pole assembly. All structural fasteners are galvanized high-strength (carbon steel) or 18-8 (stainless steel).





## CARBON STEEL

PART #	MOUNTING HEIGHT (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	BOLT CIRCLE +/- 0.5 (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
ARN-A-030-A-100	10	51	3	8	8	9.91	7.83	6.29	5.1	4.17	3.43	2.84
ARN-A-040-A-100	10	62	4	8	8	18.59	14.82	12.01	9.9	8.38	7.17	6.2
ARN-A-030-A-120	12	58	3	8	8	7.91	6.16	4.85	3.85	3.06	2.44	1.93
ARN-A-040-A-120	12	72	4	8	8	15.11	11.92	9.54	7.78	6.55	5.58	4.79
ARN-A-030-A-140	14	66	3	8	8	6.36	4.85	3.72	2.86	2.18	1.64	1.2
ARN-A-040-A-140	14	82	4	8	8	12.45	9.69	7.63	6.13	5.12	4.33	3.69
ARN-A-030-A-160	16	73	3	8	8	5.06	3.75	2.76	2.01	1.42	0.95	0.57
ARN-A-040-A-160	16	92	4	8	8	10.2	7.8	6.01	4.72	3.9	3.26	2.75
ARN-A-030-A-180	18	80	3	8	8	3.94	2.79	1.94	1.28	0.76		
ARN-A-040-A-180	18	102	4	8	8	8.27	6.18	4.61	3.5	2.85	2.34	1.94
ARN-A-040-A-200	20	88	3	8	8	3	1.99	1.23	0.65			
ARN-A-040-A-200	20	112	4	8	8	6.68	4.82	3.44	2.48	1.96	1.56	1.25
ARN-A-050-A-200	20	135	5	8	8	11.69	9.07	7.31	5.99	4.97	4.17	3.53
ARN-A-040-A-250	25	137	4	8	8	3.62	2.19	1.12				
ARN-A-050-A-250	25	166	5	8	8	7.11	5.24	4.09	3.23	2.58	2.07	1.68
ARN-A-050-A-300	30	198	5	8	8	3.77	2.42	1.7	1.17	0.79		

## STAINLESS STEEL

PART #	MOUNTING HEIGHT (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	BOLT CIRCLE +/- 0.5 (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
ARN-A-060-E-200	20	91	6	9	9	9.31	6.65	4.66	3.13	1.94	0.99	
ARN-A-065-E-200	20	101	6.5	9.5	9.5	10.9	7.86	5.59	3.85	2.49	1.41	0.53
ARN-A-060-E-250	25	101	6	9	9	4.9	2.84	1.3				
ARN-A-070-E-250	25	126	7	9.5	9.5	6.78	4.16	2.22	0.73			
ARN-A-070-E-300	30	134	7	9.5	9.5	2.72	0.6					
ARN-A-080-E-300	30	166	8	10.5	10.5	3.53	1.03					
ARN-A-080-F-300	30	231	8	10.5	10.5	14.27	9.78	6.42	3.86	1.85		
ARN-A-080-E-350	35	175	8	10.5	10.5	3.12	1.32					
ARN-A-085-E-350	35	195	8.5	11.5	11.5	4.21	2.21	0.89				
ARN-A-085-F-350	35	273	8.5	11.5	11.5	14.44	10.64	7.98	5.59	3.6	2.01	0.72
ARN-A-090-E-400	40	232	9	12.5	12.5	1.75						
ARN-A-090-F-400	40	327	9	12.5	12.5	11.34	7.9	5.3	2.9	1.03		
ARN-A-100-F-450	45	403	10	13.5	13.5	10.31	4.8	1.84				
ARN-A-100-F-500	50	422	10	13.5	13.5	6.11	2.99					

1. Variations from above sizes are available. Consult factory for allowable weight and EPA ratings for custom sizes.
2. Charted weights include the base and pole shaft.
3. Stainless steel non tapered poles are only offered with octagonal or 16-sided cross sections.
4. All multi-sided stainless steel poles with a mounting height of 35 feet or more are 16-sided.
5. Round stainless steel poles are limited to an outside diameter of 6 inches. Consult factory for allowable weight and EPA ratings.

ARN -	A -	-	-	-	-	-	-	-	-
Design	Base Style	Base Diameter	Wall Thickness	Mounting Height	Mounting Style		Cross Section	Finish	Options
	A = Anchor	Base diameter is identified with one decimal place to identify diameter in inches. (e.g. 094 = 9.4")	A = 11 GA B = 7 GA C = 3/16" D = 1/4 " E = 14 ga Stainless Steel F = 12 ga Stainless Steel	Mounting height is identified with one decimal place to identify height in feet. (e.g. 255=25.5')	DM19 = Drill 1 @ 90 DM29 = Drill 2 @ 90 DM28 = Drill 2 @ 180 DM39 = Drill 3 @ 90 DM32 = Drill 3 @ 120 DM49 = Drill 4 @ 90	PT1 = 2.38" x 4" Tenon PT2 = 2.38" x 6" Tenon PT3 = 2.88" x 4" Tenon PT4 = 3.5" x 6" Tenon PT5 = 4" x 6" Tenon PT6 = Specialty Top Mount	R = Round H = 8-Sided W = 16-Sided	GV = Hot Dip-Galvanize FP = Finish Paint GP = Paint Over Galvanize FR = Frost (Stainless Steel Only)	Insert Part Number for options, separated by "-"



## ART (TAPERED)

### ANCHOR BOLTS

Anchor bolts conform to ASTM F1554 Grade-55 standards. Bolts have an "L" bend at one end and a minimum of 12" galvanized threads on the other end. Two galvanized flat washers per ASTM F436 and two galvanized hexagonal nuts per ASTM A563 Grade DH are provided with each bolt.

### BASE STYLE

The base plate is fabricated from ASTM A36 (carbon steel) or ASTM A240 (stainless steel). The base is fabricated with slotted bolt holes to allow for a +/- 0.5" variance in listed nominal bolt circle size. The base plate telescopes the pole shaft and is circumferentially welded top and bottom.

### SHAFT

The pole shaft conforms to ASTM A1011 Grade 50 (carbon steel) or ASTM A240 Grade 201LN (stainless steel) standards and is formed with a constant linear taper.

### HANDHOLE

A reinforced handhole with cover, grounding lug, and hardware is provided with each pole assembly.

### MOUNTING OPTIONS

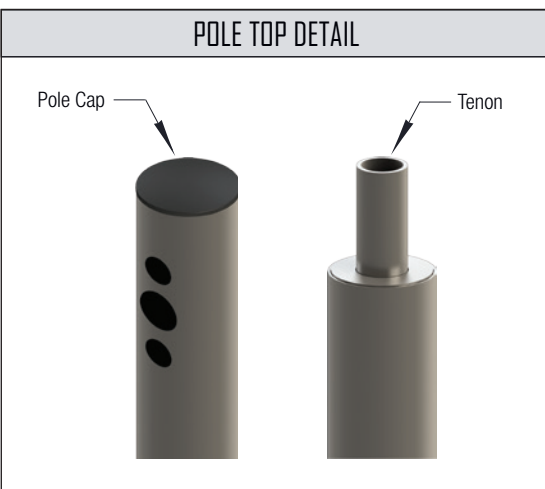
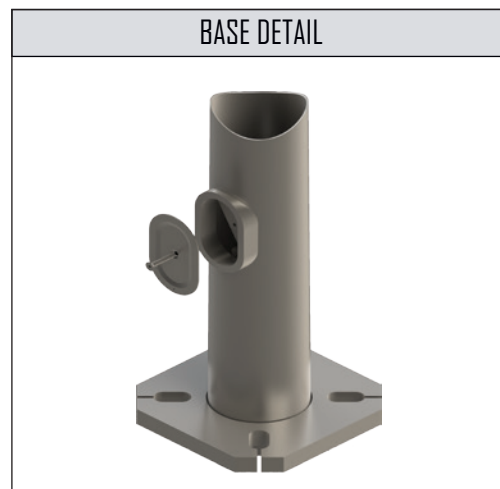
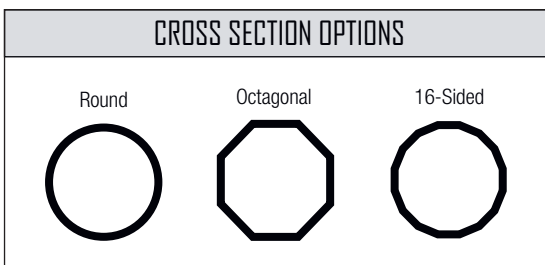
The pole may be specified with a single tenon mount for pole top mounting or side drilled pattern. For multiple fixtures, an adapter (found on pages 64-68 of this catalog) should be used. A removable pole cap is provided for poles specified with side drill luminaire mounting.

### FINISH OPTIONS

Carbon steel poles may be specified as hot-dip galvanized per ASTM A123 and/or finish painted with our standard Millerbond Wet Coat Finish. Multi-sided stainless steel poles may be specified as frost (rust resistant stainless steel shot blast) finished or finish painted with our standard Millerbond Wet Coat Finish. Round stainless steel poles must be finish painted with our standard Millerbond Wet Coat Finish.

### HARDWARE

All hardware and fasteners are supplied with each pole assembly. All structural fasteners are galvanized high-strength (carbon steel) or 18-8 (stainless steel).







## CARBON STEEL

PART #	MOUNTING HEIGHT (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE +/- 0.5 (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
ART-A-060-A-200	20	128	6	3.2	9	9	21.79	17.24	13.9	11.39	9.5	8.03	6.9
ART-A-065-A-200	20	142	6.5	3.7	9.5	9.5	26.03	20.7	16.82	13.93	11.74	10.03	8.64
ART-A-060-A-250	25	145	6	2.5	9	9	15.32	12	9.5	7.62	6.18	5.07	4.21
ART-A-070-A-250	25	179	7	3.5	10	10	22	17.35	13.97	11.46	9.57	8.12	6.95
ART-A-070-A-300	30	196	7	2.8	9.5	9.5	16.11	12.55	9.89	7.92	6.43	5.27	4.38
ART-A-080-A-300	30	240	8	3.8	11	11	21.5	17.67	13.54	11.68	9.26	7.8	6.61
ART-A-080-A-350	35	216	8	3.1	10.5	10.5	15.23	11.66	9.08	7.19	5.79	4.7	3.89
ART-A-085-A-350	35	285	8.5	3.6	11.5	11.5	17.09	13.2	10.4	8.37	6.87	5.69	4.73
ART-A-080-A-400	40	278	8	2.4	11	11	11.7	9.21	7.35	5.38	4.52	3.53	2.75
ART-A-090-A-400	40	335	9	3.4	12.5	12.5	17.54	13.64	10.76	8.64	7.01	5.77	4.76
ART-A-090-B-400	40	511	9	3.4	12.5	12.5	29.27	23.52	17.92	14.71	12.26	10.33	8.74
ART-A-100-A-450	45	414	10	3.7	13.5	13.5	17.42	13.42	10.56	8.42	6.82	5.52	4.45
ART-A-100-B-450	45	633	10	3.7	13.5	13.5	24.98	19.61	15.73	12.84	10.6	8.8	7.31
ART-A-100-A-500	50	435	10	3.0	13.5	13.5	13.54	10.19	7.76	5.93	4.55	3.43	2.63
ART-A-100-B-500	50	670	10	3.0	13.5	13.5	18.99	14.65	11.5	9.1	7.28	5.8	4.7

## STAINLESS STEEL

PART #	MOUNTING HEIGHT (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE +/- 0.5 (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
ART-A-060-E-200	20'	93	6"	3.2"	9"	9	10.69	8.09	6.14	4.64	3.45	2.52	1.76
ART-A-065-E-200	20'	103	6.5"	3.7"	9.5"	9.5	12.21	9.33	7.05	5.37	4	2.94	2.07
ART-A-060-E-250	25'	103	6"	2.5"	9"	9	6.91	5.07	3.56	2.47	1.56	0.85	
ART-A-070-E-250	25'	128	7"	3.5"	10"	10	8.91	6.47	4.54	3.11	1.95	1.04	
ART-A-070-E-300	30'	137	7"	2.8"	9.5"	9.5	5.84	3.93	2.4	1.26	0.34		
ART-A-080-E-300	30'	169	8"	3.8"	11"	11	6.78	4.42	2.58	1.2			
ART-A-080-E-350	35'	179	8"	3.1"	10.5"	10.5	6.36	3.82	2.61	1.14	0.58		
ART-A-085-E-350	35'	199	8.5"	3.6"	11.5"	11.5	7.24	4.4	3.11	1.49	0.91		
ART-A-085-F-350	35'	280	8.5"	3.6"	11.5"	11.5	17.21	12.41	10	7.2	6	4.66	3.58
ART-A-080-E-400	40'	192	8"	2.4"	11	11	4.14	2.12	1.06				
ART-A-090-E-400	40'	233	9"	3.4"	12.5"	12.5	5.83	2.83	1.66				
ART-A-090-F-400	40'	328	9"	3.4"	12.5"	12.5	14.42	10.09	7.86	5.36	4.24	3.03	2.08
ART-A-100-E-450	45'	287	10"	3.7"	13.5"	13.5	3.9	1.79					
ART-A-100-F-450	45'	405	10"	3.7"	13.5"	13.5	10.91	7.63	5.12	3.34	1.96	0.9	
ART-A-100-F-500	50'	424	10"	3.0"	13.5"	13.5	8	5.24	3.09	1.55	0.36		

1. Variations from above sizes are available. Consult factory for allowable weight and EPA ratings for custom sizes.

2. Charted weights include the base and pole shaft.

3. All multi-sided stainless steel poles with a mounting height of 35 feet or more are 16-sided.

ART -	A -	-	-	-	-	-	-	-	-
Design	Base Style	Base Diameter	Wall Thickness	Mounting Height	Mounting Style		Cross Section	Finish	Options
	A = Anchor	Base diameter is identified with one decimal place to identify diameter in inches. (e.g. 094 = 9.4")	A = 11 GA B = 7 GA C = 3/16" D = 1/4" E = 14 ga Stainless Steel F = 12 ga Stainless Steel	Mounting height is identified with one decimal place to identify height in feet. (e.g. 255=25.5')	DM19 = Drill 1 @ 90 DM29 = Drill 2 @ 90 DM28 = Drill 2 @ 180 DM39 = Drill 3 @ 90 DM32 = Drill 3 @ 120 DM49 = Drill 4 @ 90	PT1 = 2.38" x 4" Tenon PT2 = 2.38" x 6" Tenon PT3 = 2.88" x 4" Tenon PT4 = 3.5" x 6" Tenon PT5 = 4" x 6" Tenon PT6 = Specialty Top Mount	R= Round H = 8-Sided W = 16-Sided	GV = Hot Dip-Galvanize FP = Finish Paint GP = Paint Over Galvanize FR = Frost (Stainless Steel Only)	Insert Part Number for options, separated by "-"



## ACT (CHAMFERED SQUARE TAPERED)

### ANCHOR BOLTS

Anchor bolts conform to ASTM F1554 Grade-55 standards. Bolts have an "L" bend at one end and a minimum of 12" galvanized threads on the other end. Two galvanized flat washers per ASTM F436 and two galvanized hexagonal nuts per ASTM A563 Grade DH are provided with each bolt.

### BASE STYLE

Each pole assembly is fashioned with a Millerbernd Manufacturing Company Chamfered High Base. The base shall be fabricated from the same material as the pole shaft and stands 27 inches tall. The pole shaft is slip fitted and welded to the base.

### SHAFT

The pole shaft conforms to ASTM A1011 Grade 50 (carbon steel) standards and is formed with a constant linear taper. The shaft is formed with a uniform chamfer across all four corners.

### HANDHOLE

A reinforced handhole with flush mounted cover, grounding lug, and hardware is provided with each pole assembly.

### MOUNTING OPTIONS

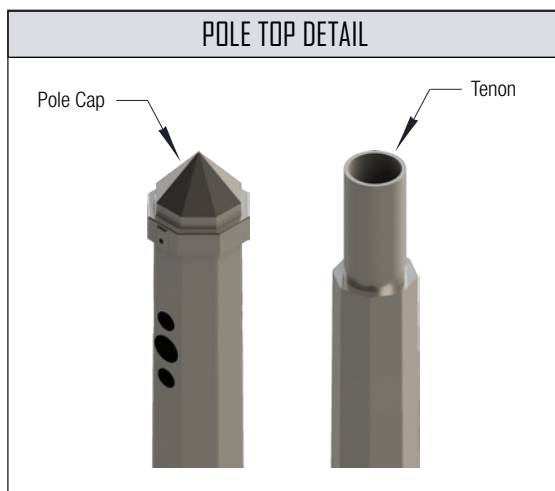
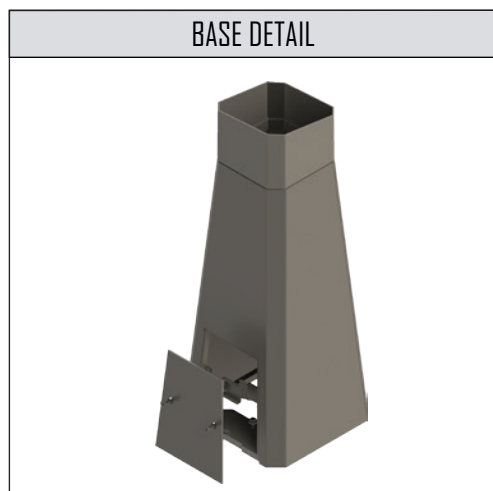
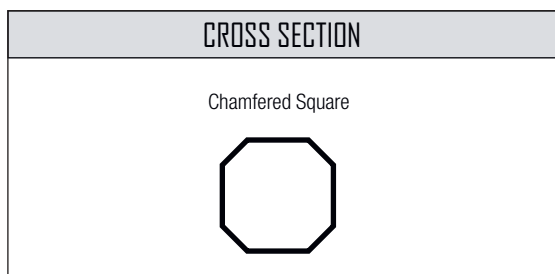
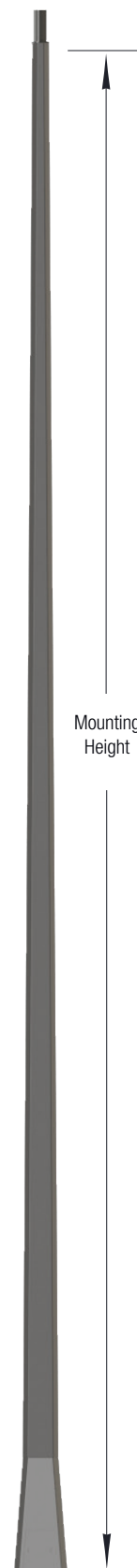
The pole may be specified with a single tenon mount for pole top mounting or side drilled pattern. For multiple fixtures, an adapter (found on pages 64-68 of this catalog) should be used. A removable pole cap is provided for poles specified with side drill luminaire mounting.

### FINISH OPTIONS

Carbon steel poles may be specified as hot-dip galvanized per ASTM A123 and/or finish painted with our standard Millerbond Wet Coat Finish.

### HARDWARE

All hardware and fasteners are supplied with each pole assembly. All structural fasteners are galvanized high-strength carbon steel.





## CARBON STEEL

PART #	MOUNTING HEIGHT (FT)	WEIGHT (LBS.)	BASE DIAMETER (IN)	TOP DIAMETER (IN)	BOLT CIRCLE (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
ACT-H-081-A-250	25	196	8.1	3.7	11	12	17.24	12.94	9.71	7.22	5.72	3.72	2.46
ACT-H-081-A-300	30	232	8.1	3.7	11	12	12.02	8.42	5.72	3.64	2.01	0.7	
ACT-H-089-A-350	35	272	8.9	3.7	12	14	9.36	5.91	3.32	1.32			
ACT-H-089-B-350	35	430	8.9	3.7	12	14	23.55	17.57	12.92	9.34	6.52	4.26	2.43
ACT-H-097-A-400	40	350	9.7	3.7	15	15	6.23	2.83					
ACT-H-097-B-400	40	508	9.7	3.7	15	15	16.84	11.55	7.56	4.48	2.06		

1. Variations from above sizes are available. Consult factory for allowable weight and EPA ratings for custom sizes.

2. Charted weights include the base and pole shaft.

3. Anchor base available for chamfered square options. Consult factory for sizes and allowable luminaire weight and EPA ratings.

ACT -	H -	-	-	-	-	C -	-	-
Design	Base Style	Base Diameter	Wall Thickness	Mounting Height	Mounting Style	Cross Section	Finish	Options
	H = High	Base diameter is identified with one decimal place to identify diameter in inches. (e.g. 094 = 9.4")	A = 11 GA B = 7 GA C = 3/16" D = 1/4 "	Mounting height is identified with one decimal place to identify height in feet. (e.g. 255=25.5')	DM19 = Drill 1 @ 90 DM29 = Drill 2 @ 90 DM28 = Drill 2 @ 180 DM39 = Drill 3 @ 90 DM32 = Drill 3 @ 120 DM49 = Drill 4 @ 90 PT1 = 2.38" x 4" Tenon PT2 = 2.38" x 6" Tenon PT3 = 2.88" x 4" Tenon PT4 = 3.5" x 6" Tenon PT5 = 4" x 6" Tenon PT6 = Specialty Top Mount	C = Chamfered Square	GV = Hot Dip-Galvanize FP = Finish Paint GP = Paint Over Galvanize	Insert Part Number for options, separated by "-."





## AMT (MULTI-SIDED TAPERED) HIGH-BASE

### ANCHOR BOLTS

Anchor bolts conform to ASTM F1554 Grade-55 standards. Bolts have an "L" bend at one end and a minimum of 12" galvanized threads on the other end. Two galvanized flat washers per ASTM F436 and two galvanized hexagonal nuts per ASTM A563 Grade DH are provided with each bolt.

### BASE STYLE

Each pole assembly is fashioned with a Millerbernd Manufacturing Company High Base. The base is fabricated from the same material as the pole shaft and stands 27 inches tall. The pole shaft is slip fitted and welded to the base.

### SHAFT

The pole shaft conforms to ASTM A1011 Grade 50 (carbon steel) or ASTM A240 Grade 201LN (stainless steel) standards and is formed with a constant linear taper.

### HANDHOLE

A reinforced handhole with flush mounted cover, grounding lug, and hardware is provided with each pole assembly.

### MOUNTING OPTIONS

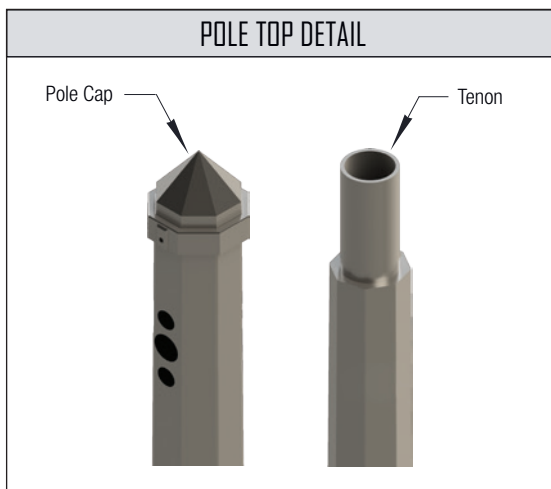
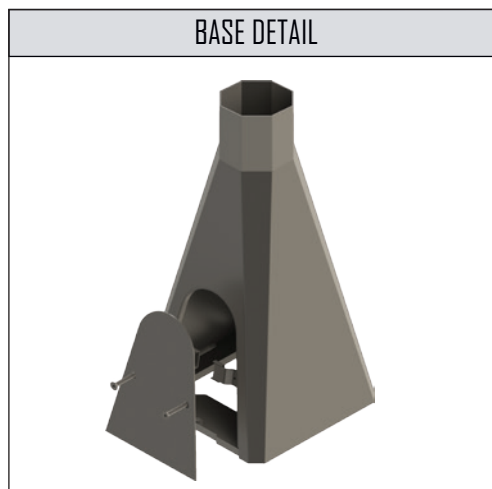
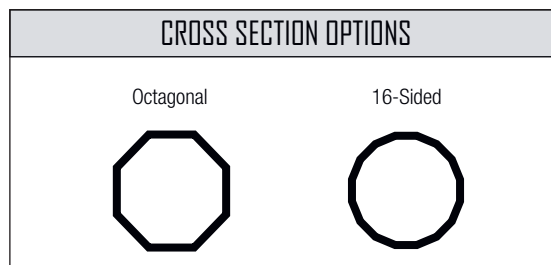
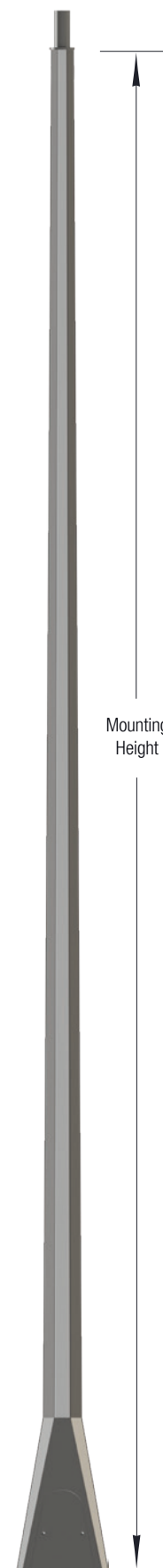
The pole may be specified with a single tenon mount for pole top mounting or side drilled pattern. For multiple fixtures, an adapter (found on pages 64-68 of this catalog) should be used. A removable pole cap is provided for poles specified with side drill luminaire mounting.

### FINISH OPTIONS

Carbon steel poles may be specified as hot-dip galvanized per ASTM A123 and/or finish painted with our standard Millerbond Wet Coat Finish. Multi-sided stainless steel poles may be specified as frost (rust resistant stainless steel shot blast) finished or finish painted with our standard Millerbond Wet Coat Finish. Round stainless steel poles must be finish painted with our standard Millerbond Wet Coat Finish.

### HARDWARE

All hardware and fasteners are supplied with each pole assembly. All structural fasteners are galvanized high-strength (carbon steel) or 18-8 (stainless steel).





## CARBON STEEL

## STREET & AREA LIGHTING

PART #	MOUNTING HEIGHT (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
AMT-H-070-A-200	20	156	7	4	15	15	28.55	22.69	18.29	14.92	12.28	10.17	8.46
AMT-H-070-A-250	25	189	7	4	15	15	20.26	15.79	12.41	9.82	7.78	6.15	4.84
AMT-H-086-A-250	25	215	8.6	4	15	15	31.91	25.52	20.51	16.59	13.52	11.06	9.07
AMT-H-086-A-300	30	253	8.6	4	15	15	24.12	18.68	14.59	11.44	8.96	6.98	5.37
AMT-H-096-A-300	30	271	9.6	4	15	15	30	24.04	19.26	15.34	12.26	9.79	7.78
AMT-H-096-A-350	35	312	9.6	4	15	15	23.68	18.13	13.91	10.65	8.08	6.02	4.35
AMT-H-096-A-400	40	354	9.6	4	15	15	18.02	13.27	9.68	6.9	4.71	2.96	1.53
AMT-H-106-A-450	45	424	10.6	4	15	15	17.04	12.19	8.52	5.67	3.42	1.62	
AMT-H-106-A-500	50	469	10.6	4	15	15	12.65	8.39	5.15	2.64	0.66		

## STAINLESS STEEL

PART #	MOUNTING HEIGHT (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE (IN)	BASE CIRCLE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
AMT-H-067-E-200	20	108	6.7	4	15	15	13.31	10.51	7.83	6.4	4.63	3.51	2.61
AMT-H-067-E-250	25	128	6.7	4	15	15	8.52	6.46	4.3	3.29	1.83	0.97	0.26
AMT-H-067-E-300	30	148	6.7	4	15	15	5.07	3.5	1.66	0.94			
AMT-H-082-E-300	30	166	8.2	4	15	15	8.69	6.44	4.03	2.88	1.23	0.24	
AMT-H-094-E-350	35	203	9.4	4	15	15	8.08	5.63	3.06	1.84			
AMT-H-094-F-350	35	285	9.4	4	15	15	19	14.5	10.5	8.11	5.48	3.71	2.28
AMT-H-094-E-400	40	228	9.4	4	15	15	4.69	2.68	0.39				
AMT-H-094-F-400	40	322	9.4	4	15	15	13.96	10.22	6.73	4.77	2.44	0.93	
AMT-H-105-E-450	45	272	10.5	4	15	15	3.74	1.62					
AMT-H-105-F-450	45	388	10.5	4	15	15	12.44	9.01	5.1	3.42	0.76		
AMT-H-105-E-500	50	299	10.5	4	15	15	0.91						
AMT-H-105-F-500	50	429	10.5	4	15	15	8.88	5.61	2.07	0.68			

1. Variations from above sizes are available. Consult factory for allowable weight and EPA ratings for custom sizes.
2. Charted weights include the base and pole shaft.
3. All multi-sided stainless steel poles with a mounting height of 35 feet or more are 16-sided.
4. Stainless steel break-away High-Base option available. For a break-away High-Base, insert "BKB" as an option.

Design	Base Style	Base Diameter	Wall Thickness	Mounting Height	Mounting Style		Cross Section	Finish	Options
AMT -	H -	-	-	-	-	-	-	-	-
	H = High	Base diameter is identified with one decimal place to identify diameter in inches. (e.g. 094 = 9.4")	A = 11 GA B = 7 GA C = 3/16" D = 1/4 " E = 14 ga Stainless Steel F = 12 ga Stainless Steel	Mounting height is identified with one decimal place to identify height in feet. (e.g. 255=25.5')	DM19 = Drill 1 @ 90 DM29 = Drill 2 @ 90 DM28 = Drill 2 @ 180 DM39 = Drill 3 @ 90 DM32 = Drill 3 @ 120 DM49 = Drill 4 @ 90	PT1 = 2.38" x 4" Tenon PT2 = 2.38" x 6" Tenon PT3 = 2.88" x 4" Tenon PT4 = 3.5" x 6" Tenon PT5 = 4" x 6" Tenon PT6 = Specialty Top Mount	H = 8-Sided W = 16-Sided	GV = Hot Dip-Galvanize FP = Finish Paint GP = Paint Over Galvanize FR = Frost (Stainless Steel Only)	Insert Part Number for options, separated by "-"



## AHT (HINGED POLE)

### ANCHOR BOLTS

Anchor bolts conform to ASTM F1554 Grade-55 standards. Bolts have an "L" bend at one end and a minimum of 12" galvanized threads on the other end. Two galvanized flat washers per ASTM F436 and two galvanized hexagonal nuts per ASTM A563 Grade DH are provided with each bolt.

### BASE STYLE

Each pole assembly shall be fashioned with a Millerbernd Manufacturing Company High Base. The base is fabricated from the same material as the pole shaft and stands 27 inches tall. The pole shaft is slip fitted and welded to the base. The base comes fitted with handcrank and hole for winch access.

### SHAFT

The pole shaft conforms to ASTM A1011 Grade 50 carbon steel standards and is formed with a constant linear taper.

### HANDHOLE

A reinforced handhole with flush mounted cover, grounding lug, and hardware is provided with each pole assembly.

### INTERNAL WINCH

Hinged poles come fashioned with a handpowered winch with an automatic brake and removeable handcrank. The winch drum comes wound with 3/16" stainless steel aircraft cable with a load rating of up to 3,500 pounds. Wire guides are provided at the hinge joint and at the pole base to protect electrical wiring.

### MOUNTING OPTIONS

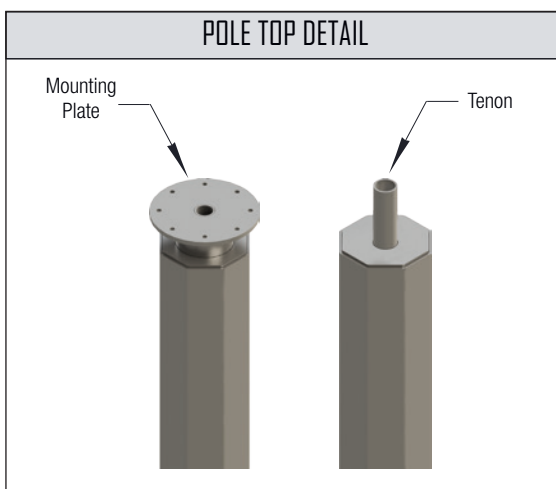
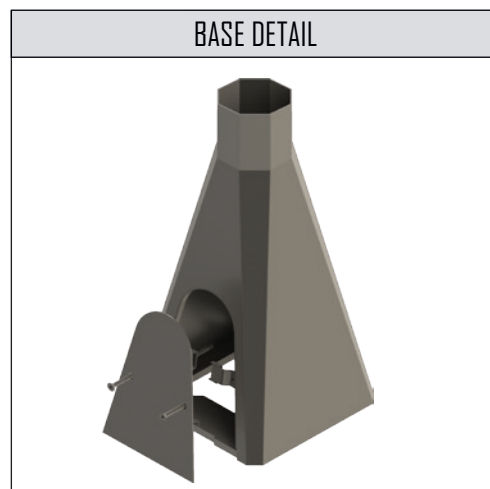
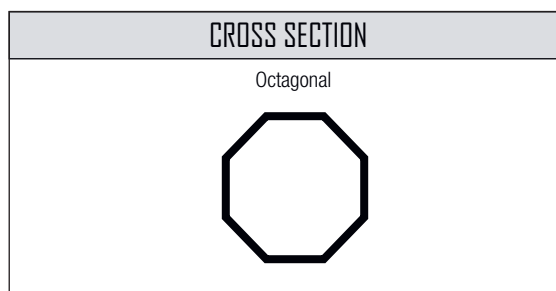
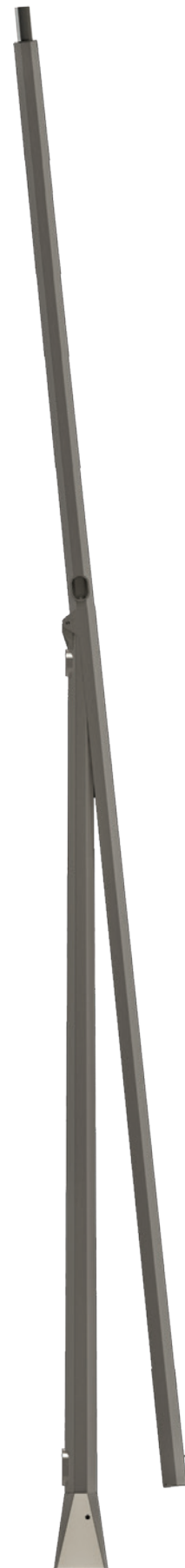
The pole is fitted with a single tenon for pole top mounting. A top mounting plate option is available for camera mounting.

### FINISH OPTIONS

Hinged poles may specified as hot-dip galvanized per ASTM A123 and/or finish painted with our standard Millerbond Wet Coat Finish.

### HARDWARE

All hardware and fasteners are supplied with each pole assembly. All structural fasteners are galvanized high-strength carbon steel.





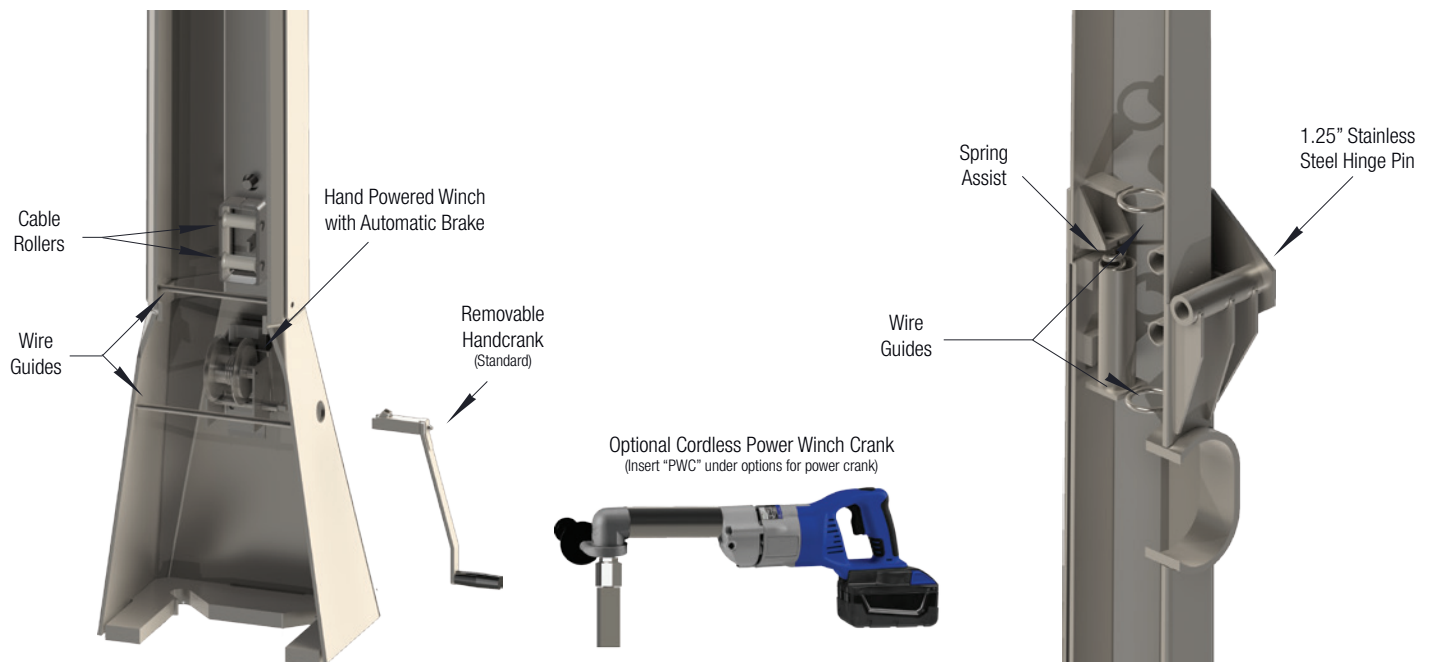


## CARBON STEEL

## STREET & AREA LIGHTING

PART #	MOUNTING HEIGHT (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE +/- 0.5 (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
AHT-H-086-B-250	25	683	8.6	5	15	15	17.4	13.25	10.11	7.7	5.8	4.28	3.04
AHT-H-086-B-300	30	742	8.6	5.8	15	15	14.8	10.73	7.65	5.26	3.38	1.87	0.64
AHT-H-086-B-350	35	799	8.6	5	15	15	12.21	8.09	4.98	2.58	0.69		
AHT-H-106-B-400	40	1176	10.6	5	15	15	24.04	16.37	10.6	6.15	2.64		
AHT-H-122-DB-450	45	1724	12.2	5.8	17	17	36.64	25.54	17.2	10.79	5.76	1.74	
AHT-H-122-DB-500	50	1788	12.2	5	17	17	32.09	20.99	12.66	6.26	1.23		
AHT-H-122-DB-550	55	1884	12.2	4.2	17	17	27.63	16.53	8.2	1.8			

1. Variations from above sizes are available. Consult factory for allowable weight and EPA ratings for custom sizes.
2. Charted weights include the base and pole shaft.
3. Poles with mounting heights of 45' or more have a lower shaft section fabricated from 3 gauge steel and upper shaft section fabricated from 7 gauge steel.
4. Hinge poles designed with a maximum deflection of 1% at 30 MPH.



AHT -	H -	-	-	-	-		H -	-	
Design	Base Style	Base Diameter	Wall Thickness	Mounting Height	Mounting Style		Cross Section	Finish	Options
	H = High	Base diameter is identified with one decimal place to identify diameter in inches. (e.g. 094 = 9.4")	B = 7 GA C = 3/16" D = 1/4 "	Mounting height is identified with one decimal place to identify height in feet. (e.g. 255=25.5')	DM19 = Drill 1 @ 90 DM29 = Drill 2 @ 90 DM28 = Drill 2 @ 180 DM39 = Drill 3 @ 90 DM32 = Drill 3 @ 120 DM49 = Drill 4 @ 90	PT1 = 2.38" x 4" Tenon PT2 = 2.38" x 6" Tenon PT3 = 2.88" x 4" Tenon PT4 = 3.5" x 6" Tenon PT5 = 4" x 6" Tenon PT6 = Specialty Top Mount	H = 8-Sided	GV =Hot Dip-Galvanize FP = Finish Paint GP = Paint Over Galvanize	Insert Part Number for options, seperated by "-"



## APT (PATHWAY TAPERED)

### ANCHOR BOLTS

Anchor bolts conform to ASTM F1554 Grade-55 standards. Bolts have an "L" bend at one end and a minimum of 12" galvanized threads on the other end. Two galvanized flat washers per ASTM F436 and two galvanized hexagonal nuts per ASTM A563 Grade DH are provided with each bolt.

### BASE STYLE

Each pole assembly is fashioned with a Millerbernd Manufacturing Company Decorative High Base. The base is fabricated from the same material as the pole shaft and stands 34 inches tall. The pole shaft is slip fitted and welded to the base.

### SHAFT

The pole shaft conforms to ASTM A1011 Grade 50 (carbon steel) or ASTM A240 Grade 201LN (stainless steel) standards and is formed with a constant linear taper.

### HANDHOLE

A reinforced handhole with flush mounted cover, grounding lug, and hardware is provided with each pole assembly.

### MOUNTING OPTIONS

The pole may be specified with a single tenon mount for pole top mounting or side drilled pattern. For multiple fixtures, an adapter (found on pages 64-68 of this catalog) should be used. A removable pole cap is provided for poles specified with side drill luminaire mounting.

### FINISH OPTIONS

Carbon steel poles may be specified as hot-dip galvanized per ASTM A123 and/or finish painted with our standard Millerbond Wet Coat Finish. Multi-sided stainless steel poles may be specified as frost (rust resistant stainless steel shot blast) finished or finish painted with our standard Millerbond Wet Coat Finish.

### HARDWARE

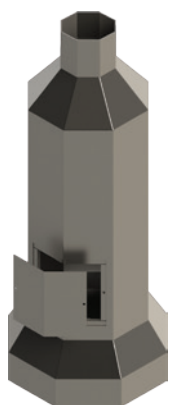
All hardware and fasteners are supplied with each pole assembly. All structural fasteners are galvanized high-strength (carbon steel) or 18-8 (stainless steel).

#### CROSS SECTION OPTIONS

Octagonal



#### BASE DETAIL



#### POLE TOP DETAIL

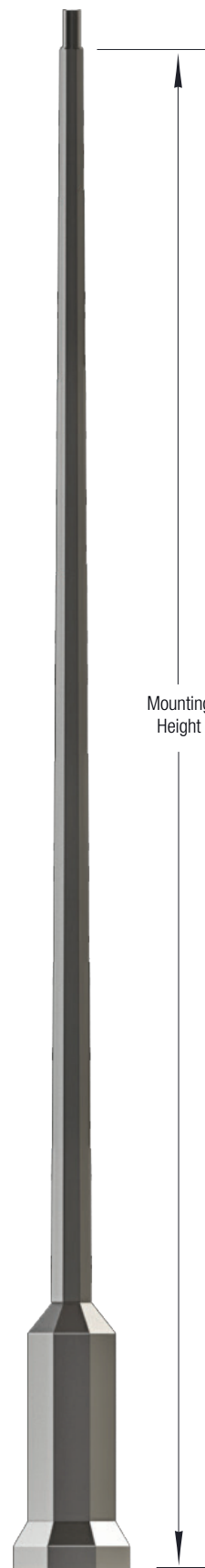
Pole Cap



Tenon



Mounting  
Height





## CARBON STEEL

PART #	MOUNTING HEIGHT (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
APT-H-065-A-080	8	91	6.5	4	10.5	18.5	58.31	47.55	39.12	32.67	27.68	23.74	20.56
APT-H-065-A-100	10	104	6.5	4	10.5	18.5	47.6	38.23	31.34	26.12	22.07	18.86	16.28
APT-H-070-A-120	12	119	7	4	10.5	18.5	39.45	31.6	25.81	21.42	18.01	15.31	13.14
APT-H-070-A-150	15	139	7	4	10.5	18.5	28.29	22.47	18.16	14.89	12.34	10.32	8.69
APT-H-070-A-200	20	173	7	4	10.5	18.5	20.48	16.03	12.73	10.22	8.26	6.71	5.45
APT-H-070-A-250	25	197	7	4	10.5	18.5	18.78	14.57	11.43	9.01	7.12	5.61	4.38
APT-H-070-A-300	30	230	7	4	10.5	18.5	13.41	10.03	7.49	5.55	4.02	2.8	1.81
APT-H-075-A-350	35	274	7.5	4	10.5	18.5	11.45	8.23	5.81	3.95	2.49	1.32	
APT-H-075-A-400	40	309	7.5	4	10.5	18.5	7.87	5.13	3.06	1.48			

## STAINLESS STEEL

PART #	MOUNTING HEIGHT (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE (IN)	BASE CIRCLE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
APT-H-065-E-080	8	78	6.5	4	10.5	18.5	36.01	29.37	24.39	20.57	17.58	15.19	13.26
APT-H-065-E-100	10	86	6.5	4	10.5	18.5	31.77	25.67	21.12	17.63	14.9	12.73	10.97
APT-H-070-E-120	12	95	7	4	10.5	18.5	29.23	23.52	19.26	16	13.44	11.41	9.76
APT-H-070-E-150	15	107	7	4	10.5	18.5	20.86	16.56	13.35	10.88	8.96	7.42	6.18
APT-H-070-E-200	20	128	7	4	10.5	18.5	14.87	11.56	9.07	7.17	5.68	4.49	3.53
APT-H-070-E-250	25	134	7	4	10.5	18.5	9.84	7.29	5.37	3.91	2.76	1.84	1.09
APT-H-070-E-300	30	159	7	4	10.5	18.5	6.23	4.17	2.63	1.44	0.51		
APT-H-075-E-350	35	186	7.5	4	10.5	18.5	4.09	2.21	0.81				
APT-H-075-F-350	35	254	7.5	4	10.5	18.5	11.19	8.03	5.66	3.83	2.39	1.24	
APT-H-075-F-400	40	286	7.5	4	10.5	18.5	7.65	4.96	2.94	1.38			

1. Variations from above sizes are available. Consult factory for allowable weight and EPA ratings for custom sizes.
2. Charted weights include the base and pole shaft.

APT -	H -	-	-	-	-	H -	-	-	
Design	Base Style	Base Diameter	Wall Thickness	Mounting Height	Mounting Style		Cross Section	Finish	Options
	H = High	Base diameter is identified with one decimal place to identify diameter in inches. (e.g. 094 = 9.4")	A = 11 GA B = 7 GA C = 3/16" D = 1/4 " E = 14 ga Stainless Steel F = 12 ga Stainless Steel	Mounting height is identified with one decimal place to identify height in feet. (e.g. 255=25.5')	DM19 = Drill 1 @ 90 DM29 = Drill 2 @ 90 DM28 = Drill 2 @ 180 DM39 = Drill 3 @ 90 DM32 = Drill 3 @ 120 DM49 = Drill 4 @ 90	PT1 = 2.38" x 4" Tenon PT2 = 2.38" x 6" Tenon PT3 = 2.88" x 4" Tenon PT4 = 3.5" x 6" Tenon PT5 = 4" x 6" Tenon PT6 = Specialty Top Mount	H = 8-Sided	GV =Hot Dip-Galvanize FP = Finish Paint GP = Paint Over Galvanize FR = Frost (Stainless Steel Only)	Insert Part Number for options, seperated by "-"

# Street Lighting Standards







# STREET LIGHTING PRODUCT ORDERING CODE

## EXAMPLE

SD1 - (Davitt)	031 - (3' Arm Span)	A - (Anchor Base)	094 - (9.4" Base Diameter)	A - (11 Gauge Material)	250 - (25' Mounting Height)	R - (Round Cross Section)	GV - (Galvanized Finish)	1BS (1-Bolt Simplex)
Design	Arm Span	Base Style	Base Diameter	Wall Thickness	Mounting Height	Cross Section	Finish	Options
1	2	3	4	5	6	7	8	9

### 1 Design

SD1 = Davitt (Variable Radius)      SP2 = Pipe Arm 5'-0" Rise  
SD2 = Davitt (Fixed Radius)      SP3 = Pipe Arm (Scroll Brace)  
SJ1 = Tapered Tube Arm      ST1 = Upsweep Truss Arm 3'-3" Rise  
SB1 = Beam Arm      ST2 = Truss Arm 3'-3" Rise  
SP1 = Pipe Arm 3'-3" Rise      ST3 = Truss Arm 5'-0" Rise

### 2 Arm Span

031 = 3' Single Arm      092 = 9' Twin Arm  
032 = 3' Twin Arm      101 = 10' Single Arm  
041 = 4' Single Arm      102 = 10' Twin Arm  
042 = 4' Twin Arm      121 = 12' Single Arm  
061 = 6' Single Arm      122 = 12' Twin Arm  
062 = 6' Twin Arm      151 = 15' Single Arm  
081 = 8' Single Arm      152 = 15' Twin Arm  
082 = 8' Twin Arm      171 = 17' Single Arm  
091 = 9' Single Arm      172 = 17' Twin Arm

### 3 Base Style

A = Anchor Base      H = High Base (H-Base)  
D = Direct-Embedded Base

### 4 Base Diameter

Base diameter is identified with one decimal place to identify diameter in inches.  
(e.g. 094 = 9.4")

### 5 Wall Thickness

A = 11 GA      D = 1/4 "  
B = 7 GA      E = 0.0721 Stainless Steel  
C = 3/16"      F = 0.109 Stainless Steel

### 6 Mounting Height

Mounting height is identified with one decimal place to identify height in feet.  
(e.g. 255=25.5')

### 7 Cross Section

R = Round      W = 16-Sided  
H = 8-Sided      C = Chamfered Square

### 8 Finish

GV = Hot Dip-Galvanize      GP = Finish Paint over Galvanize  
FP = Finish Paint      FR = Frost (Stainless Steel only)

### 9 Options

1BS = 1-Bolt Simplex      BKB = Breakaway Base  
2BS = 2-Bolt Simplex      LAB = Less Anchor Bolts

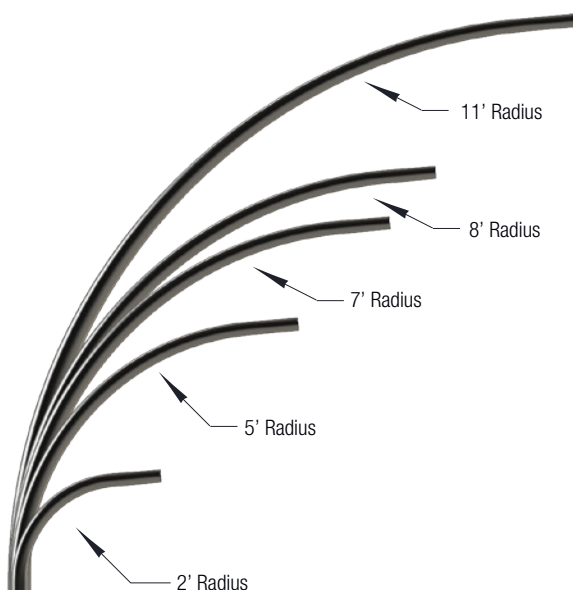
\*For all other options, insert listed part number.



## SD1 (DAVIT) INTEGRAL ARM

### SINGLE INTEGRAL ARM

The SD1 Davit is fabricated with a single integral curved arm. The arm is formed with a minimum of a one foot horizontal at the tangent of the curve. Integral SD1 arms are formed with a variable radius that is one foot less than the total span of the arm. Standard SD1 arms span 3, 6, 8, 9, or 12 feet from the center of the pole shaft. The SD1 integral arm is fitted with a 2.38" diameter pipe adapter with 3 degrees nominal rise from the roadway for luminaire mounting.



### ARM RADIUS TO LENGTH CHART

Arm Radius	Arm Length
11'	12'
8'	9'
7'	8'
5'	6'
2'	3'

### TWIN ARM ASSEMBLY

SD1 Davit structures can be fabricated with an optional twin arm configuration. Twin SD1 arms are formed with a minimum of a one foot horizontal at the tangent of the curve. Twin SD1 arms are slip fitted over the pole shaft in the field and are held in place by set screws. The arms are formed with a five foot radius and span 3 or 6 feet from the center of the pole shaft. The SD1 twin arm is fitted with a 2.38" diameter pipe adapter with 3 degrees nominal rise from the roadway for luminaire mounting.





## SD2 (DAVIT) ROTATIONAL ARM

### **SINGLE ARM**

The SD2 Davit arm is formed with a fixed 2 foot radius and spans 3, 6, 8, 9, or 10 feet from the center of the pole shaft. The SD2 arm is fitted with a 2.38" x 6" pipe adapter with 3 degrees nominal rise from the roadway for luminaire mounting. SD2 arms are slip fitted over the pole top in the field and are secured in place by set screws.



### **TWIN ARM ASSEMBLY**

The SD2 Twin Davit arm is formed with a fixed 2 foot radius and spans 3, 6, 8, 9, or 10 feet from the center of the pole shaft. Twin SD2 arms are fitted with 2.38" x 6" pipe adapters with 3 degrees nominal rise from the roadway for luminaire mounting. SD2 arms are slip fitted over the pole top in the field and are secured in place by set screws.





# SD1 (DAVIT) CARBON STEEL

## ANCHOR BOLTS

Anchor bolts conform to ASTM F1554 Grade-55 standards. Bolts have an "L" bend at one end and a minimum of 12" galvanized threads on the other end. Two galvanized flat washers per ASTM F436 and two galvanized hexagonal nuts per ASTM A563 Grade DH are provided with each bolt.

## ANCHOR BASE

The base plate is fabricated from ASTM A36 carbon steel. The base is fabricated with slotted bolt holes to allow for a +/- 0.5" variance in listed nominal bolt circle size. The base plate telescopes the pole shaft and is circumferentially welded top and bottom.

## HIGH BASE

Each pole assembly is fashioned with a Millerbernd Manufacturing Company High Base. The base is fabricated from the same material as the pole shaft and stands 27 inches tall. The pole shaft is slip fitted and welded to the base.

## DIRECT-EMBEDDED BASE

Each pole assembly is fashioned with a direct embedded base. The base extends below the ground line and is fitted with a 1 inch coupling located 2' below the ground line for wire entrance. The direct embedded base is fashioned with an anti-rotation bearing strap on the bottom of the base.

## SHAFT

The pole shaft conforms to ASTM A1011 Grade 50 carbon steel standards.

## HANDHOLE

A reinforced handhole with cover, grounding lug, and hardware is provided with each pole assembly. Pole assemblies fabricated with a High-Base are provided with a flush mounted handhole with cover, grounding lug, and hardware.

## ARMS

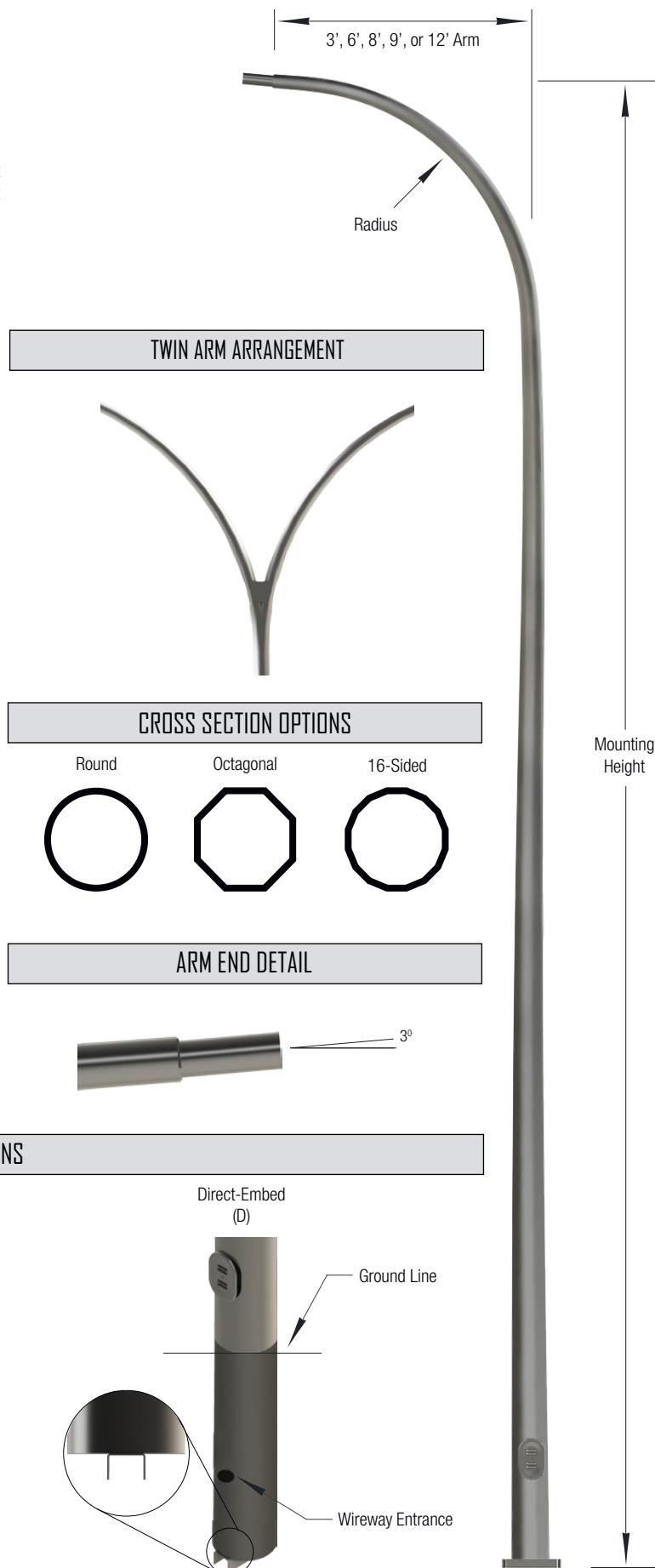
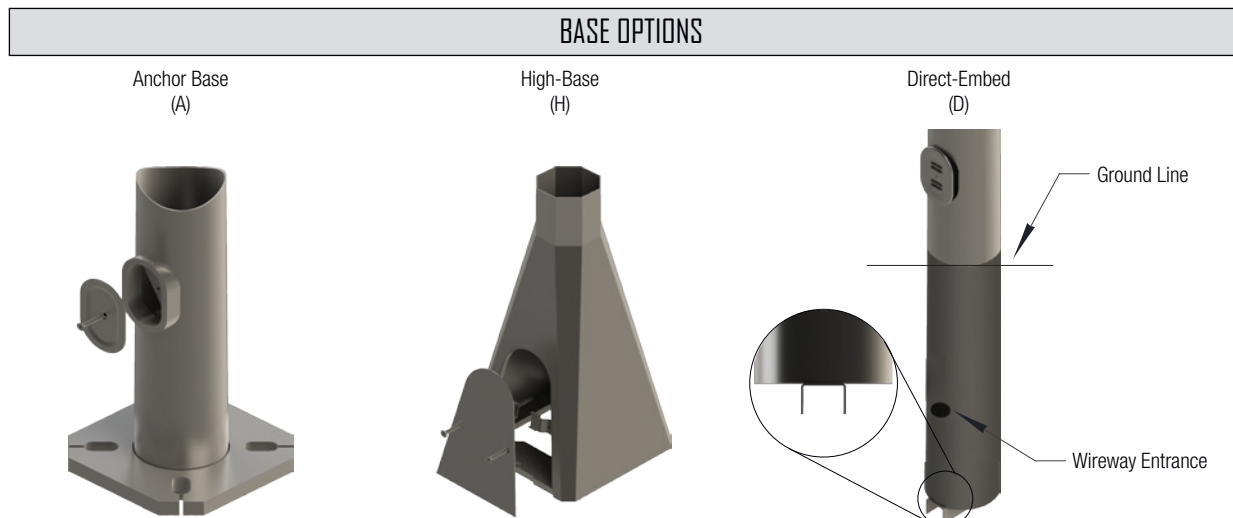
Single arm SD1 poles are fabricated of a single piece construction with an integral curved arm and a minimum of a one foot horizontal on the tangent of the curve. A two piece (shaft and arm) construction is used when twin arms are specified. Arms are fitted with a 2.38" diameter pipe adapter with 3 degrees nominal rise from the roadway. SD1 style arms measure 3, 6, 8, 9, or 12 feet in length from the center of the pole shaft.

## FINISHING

Carbon steel poles may be specified as hot-dip galvanized per ASTM A123 and/or finish painted with our standard Millerbond Wet Coat Finish.

## HARDWARE

All hardware and fasteners are supplied with each pole assembly. All structural fasteners are galvanized high-strength carbon steel.





## ANCHOR BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE +/- 0.5 (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
SD1-121-A-069-A-250	25	12	184	6.9	4	10	10	12.44	12.44	10.8	8.4	6.47	4.9	3.61
SD1-121-A-076-A-300	30	12	233	7.6	4	10.5	10.5	10.87	10.87	9.85	7.49	5.61	4.09	2.83
SD1-121-A-084-A-350	35	12	289	8.4	4	11.5	11.5	9.93	9.93	8.86	6.75	4.92	3.41	2.16
SD1-121-A-090-A-400	40	12	400	9.1	4	13	13	9.31	9.31	8.41	6.11	4.28	2.78	1.54
SD1-121-A-100-A-500	50	12	489	10	4	13.5	13.5	4.21	4.21	4.21	3.81	2.5	1.44	0.56

## DIRECT-EMBEDDED BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BURIAL DEPTH (FT)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
SD1-121-D-069-A-250	25	12	188	6.9	4	5	12.44	12.44	10.8	8.4	6.47	4.9	3.61
SD1-121-D-076-A-300	30	12	235	7.6	4	6	10.87	10.87	9.85	7.49	5.61	4.09	2.83
SD1-121-D-084-A-350	35	12	285	8.4	4	6	9.93	9.93	8.86	6.75	4.92	3.41	2.16
SD1-121-D-091-A-400	40	12	340	9.1	4	7	9.31	9.31	8.41	6.11	4.28	2.78	1.54
SD1-121-D-100-A-500	50	12	467	10	4	8	4.21	4.21	4.21	3.81	2.5	1.44	0.56

## HIGH-BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
SD1-121-H-070-A-250	25	12	223	7	4	15	15	14.08	11.24	8.45	6.24	4.46	3.02	1.83
SD1-121-H-086-A-300	30	12	284	8.6	4	15	15	15.58	13.96	10.44	7.66	5.45	3.65	2.18
SD1-121-H-096-A-350	35	12	349	9.6	4	15	15	14.61	13.57	9.82	6.88	4.53	2.64	1.09
SD1-121-H-096-A-400	40	12	393	9.6	4	15	15	11.09	9.16	5.89	3.33	1.3		
SD1-121-H-106-A-500	50	12	451	10.6	4	15	15	8.32	6.44	3.82	1.81			

1. Variations from above sizes are available. Consult factory for allowable weight and EPA ratings for custom sizes.
2. Charts are for single arm configurations only. Consult factory for allowable weight and EPA ratings on twin arm arrangements.
3. Charted weights include the base, pole shaft, and luminaire mounting arm.
4. The "Base O.D." measurement for direct-embedded structures is taken at the ground line.

SD1 -	-	-	-	-	-	-	-	-
Design	Arm Span	Base Style	Base Diameter	Wall Thickness	Mounting Height	Cross-Section	Finish	Options
	031 = 3' 061 = 6' 081 = 8' 091 = 9' 121 = 12'	A = Anchor H = High D = Direct Embed	Base diameter is identified with one decimal place to identify diameter in inches. (e.g. 094 = 9.4")	A = 11 GA B = 7 GA C = 3/16" D = 1/4 "	Mounting height is identified with one decimal place to identify height in feet. (e.g. 255=25.5')	R = Round H = 8-Sided W = 16-Sided	GV =Hot Dip-Galvanize FP = Finish Paint GP = Paint Over Galvanize	Insert Part Number for options, separated by "-"





# SD1 (DAVIT) STAINLESS STEEL

## ANCHOR BOLTS

Anchor bolts conform to ASTM F1554 Grade-55 standards. Bolts have an "L" bend at one end and a minimum of 12" galvanized threads on the other end. Two galvanized flat washers per ASTM F436 and two galvanized hexagonal nuts per ASTM A563 Grade DH are provided with each bolt.

## ANCHOR BASE

The base plate is fabricated from ASTM A240 stainless steel. The base is fabricated with slotted bolt holes to allow for a +/- 0.5" variance in listed nominal bolt circle size. The base plate telescopes the pole shaft and is circumferentially welded top and bottom.

## HIGH BASE

Each pole assembly is fashioned with a Millerbernd Manufacturing Company High Base. The base is fabricated from the same material as the pole shaft and stands 27 inches tall. The pole shaft is slip fitted and welded to the base.

## DIRECT-EMBEDDED BASE

Each pole assembly is fashioned with a direct embedded base. The base extends below the ground line and is fitted with a 1 inch coupling located 2' below the ground line for wire entrance. The direct embedded base is fashioned with an anti-rotation bearing strap on the bottom of the base.

## SHAFT

The pole shaft conforms to ASTM A240 Grade 201LN stainless steel standards.

## HANDHOLE

A reinforced handhole with cover, grounding lug, and hardware is provided with each pole assembly. Pole assemblies fabricated with a High-Base are provided with a flush mounted handhole with cover, grounding lug, and hardware.

## ARMS

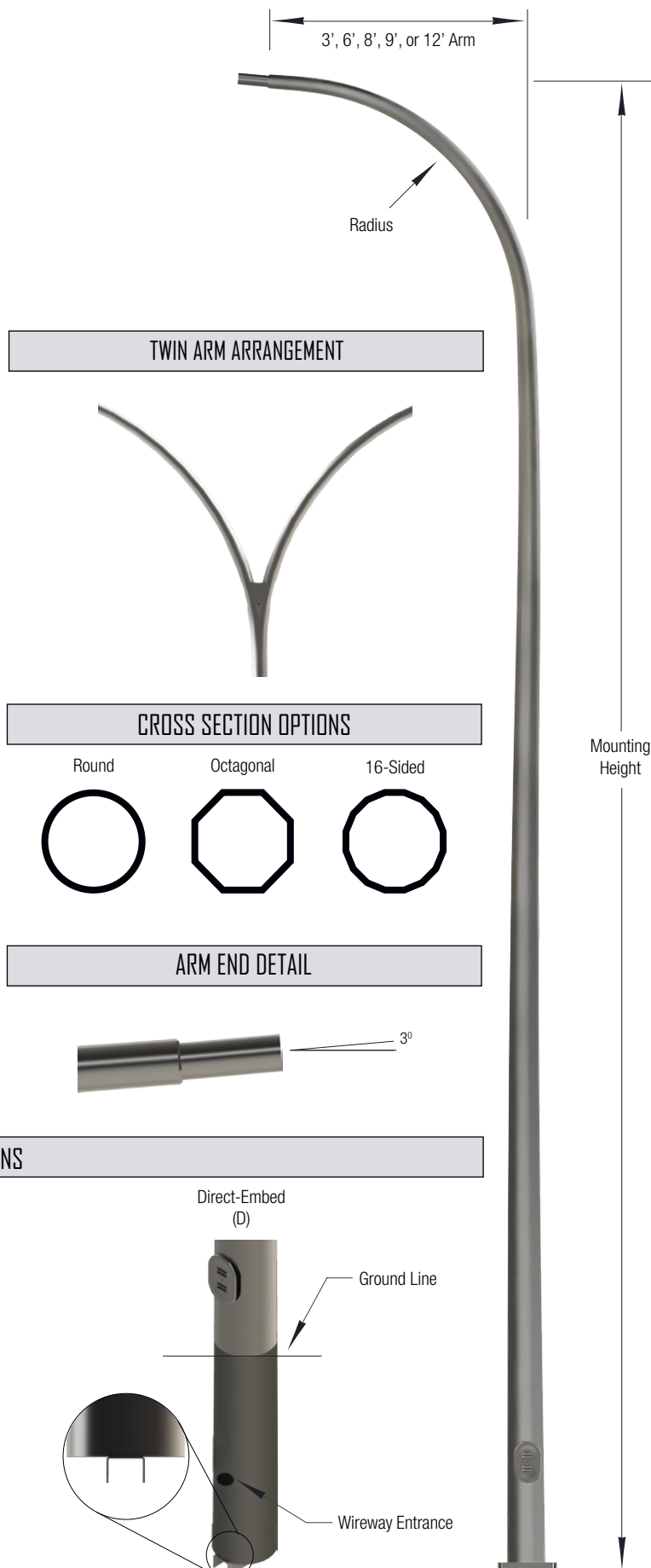
Single arm SD1 poles are fabricated of a single piece construction with an integral curved arm and a minimum of a one foot horizontal on the tangent of the curve. A two piece (shaft and arm) construction is used when twin arms are specified. Arms are fitted with a 2.38" diameter pipe adapter with 3 degrees nominal rise from the roadway. SD1 style arms measure 3, 6, 8, 9, or 12 feet in length from the center of the pole shaft.

## FINISHING

Stainless steel poles may be specified as frost (rust resistant stainless steel shot blast) finished or finish painted with our standard Millerbond Wet Coat Finish.

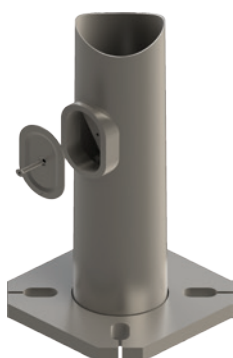
## HARDWARE

All hardware and fasteners are supplied with each pole assembly. All structural fasteners are 18-8 stainless steel.

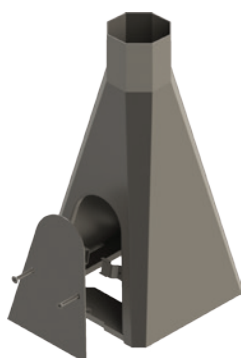


## BASE OPTIONS

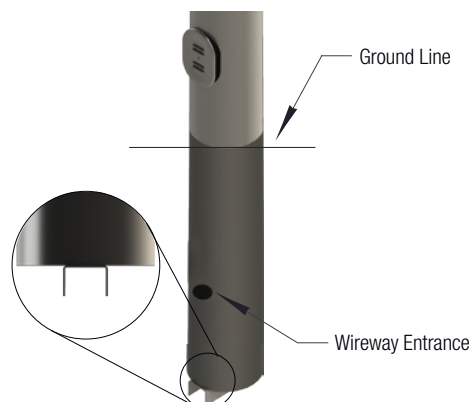
Anchor Base  
(A)



High-Base  
(H)



Direct-Embed  
(D)





## ANCHOR BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE +/- 0.5 (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
SD1-121-A-069-E-250	25	12	159	6.9	4	10	10	7.11	4.96	3.28	1.95	0.89		
SD1-121-A-076-E-300	30	12	192	7.6	4	10.5	10.5	5.68	3.63	2.06	0.84			
SD1-121-A-084-E-350	35	12	232	8.4	4	11.5	11.5	4.4	2.47	1.02				
SD1-121-A-084-F-350	35	12	280	8.4	4	11.5	11.5	9.1	9.1	7.53	5.44	3.78	2.42	1.29
SD1-121-A-094-E-400	40	12	300	9.4	4	12.5	12.5	4.25	2.31	0.86				
SD1-121-A-094-F-400	40	12	398	9.4	4	12.5	12.5	8.63	8.63	7.48	5.36	3.66	2.28	1.13
SD1-121-A-105-E-500	50	12	365	10.5	4	13.5	13.5	1.88						
SD1-121-A-105-F-500	50	12	458	10.5	4	13.5	13.5	6.78	6.58	4.5	2.83	1.48		

## DIRECT-EMBEDDED BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BURIAL DEPTH (FT)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
SD1-121-D-069-E-250	25	12	120	6.9	4	5	7.11	4.96	3.28	1.95	0.89		
SD1-121-D-076-E-300	30	12	148	7.6	4	6	5.68	3.63	2.06	0.84			
SD1-121-D-084-E-350	35	12	179	8.4	4	6	4.4	2.47	1.02				
SD1-121-D-084-F-350	35	12	302	8.4	4	6	9.1	9.1	7.53	5.44	3.78	2.42	1.29
SD1-121-D-094-E-400	40	12	312	9.4	4	7	4.25	2.31	0.86				
SD1-121-D-094-F-400	40	12	410	9.4	4	7	8.63	8.63	7.48	5.36	3.66	2.28	1.13
SD1-121-D-105-E-500	50	12	371	10.5	4	8	1.88						
SD1-121-D-105-F-500	50	12	475	10.5	4	8	6.78	6.58	4.5	2.83	1.48		

## HIGH-BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
SD1-121-H-067-E-250	25	12	140	6.7	3.26	15	15	6.26	4.33	2.82	1.63	0.67		
SD1-121-H-081-E-300	30	12	178	8.1	3.26	15	15	6.19	4.11	2.49	1.21			
SD1-121-H-094-E-350	35	12	201	9.4	3.11	15	15	6.39	4.07	2.17	0.68			
SD1-121-H-094-F-350	35	12	305	9.4	3.11	15	15	10.55	10.55	10.55	8.99	6.91	5.25	3.89
SD1-121-H-094-E-400	40	12	312	9.4	3.11	15	15	4.11	1.86					
SD1-121-H-094-F-400	40	12	406	9.4	3.11	15	15	10.09	9.65	6.75	4.55	2.82	1.43	
SD1-121-H-105-E-500	50	12	373	10.5	3.11	17	17	1.19						
SD1-121-H-105-F-500	50	12	467	10.5	3.11	17	17	7.86	6.31	3.73	1.78			

- Variations from above sizes are available. Consult factory for allowable weight and EPA ratings for custom sizes.
- Charts are for single arm configurations only. Consult factory for allowable weight and EPA ratings on twin arm arrangements.
- Charted weights include the base, pole shaft, and luminaire mounting arm.
- All multi-sided stainless steel poles with a mounting height of 35 feet or more are 16-sided.
- Stainless steel structures with a round cross section must be finish painted with our Millerbond wet coat finish.
- Stainless steel break-away High-Base option available. For a break-away High-Base, insert "BKB" as an option.
- The "Base O.D." measurement for direct-embedded structures is taken at the ground line.

SD1 -	-	-	-	-	-	-	-	-
Design	Arm Span	Base Style	Base Diameter	Wall Thickness	Mounting Height	Cross-Section	Finish	Options
	031 = 3' 061 = 6' 081 = 8' 091 = 9' 121 = 12'	A = Anchor H = High D = Direct Embed	Base diameter is identified with one decimal place to identify diameter in inches. (e.g. 094 = 9.4")	E = 14 GA F = 12 GA	Mounting height is identified with one decimal place to identify height in feet. (e.g. 255=25.5")	R = Round H = 8-Sided W = 16-Sided	FR = Frost (Stainless Steel only) FP = Finish Paint	Insert Part Number for options, seperated by "-"



# SD2 (DAVIT) CARBON STEEL

## ANCHOR BOLTS

Anchor bolts conform to ASTM F1554 Grade-55 standards. Bolts have an "L" bend at one end and a minimum of 12" galvanized threads on the other end. Two galvanized flat washers per ASTM F436 and two galvanized hexagonal nuts per ASTM A563 Grade DH are provided with each bolt.

## ANCHOR BASE

The base plate is fabricated from ASTM A36 carbon steel. The base is fabricated with slotted bolt holes to allow for a +/- 0.5" variance in listed nominal bolt circle size. The base plate telescopes the pole shaft and is circumferentially welded top and bottom.

## HIGH BASE

Each pole assembly is fashioned with a Millerbernd Manufacturing Company High Base. The base is fabricated from the same material as the pole shaft and stands 27 inches tall. The pole shaft is slip fitted and welded to the base.

## DIRECT-EMBEDDED BASE

Each pole assembly is fashioned with a direct embedded base. The base extends below the ground line and is fitted with a 1 inch coupling located 2' below the ground line for wire entrance. The direct embedded base is fashioned with an anti-rotation bearing strap on the bottom of the base.

## SHAFT

The pole shaft conforms to ASTM A1011 Grade 50 carbon steel standards.

## HANDHOLE

A reinforced handhole with cover, grounding lug, and hardware is provided with each pole assembly. Pole assemblies fabricated with a High-Base are provided with a flush mounted handhole with cover, grounding lug, and hardware.

## ARMS

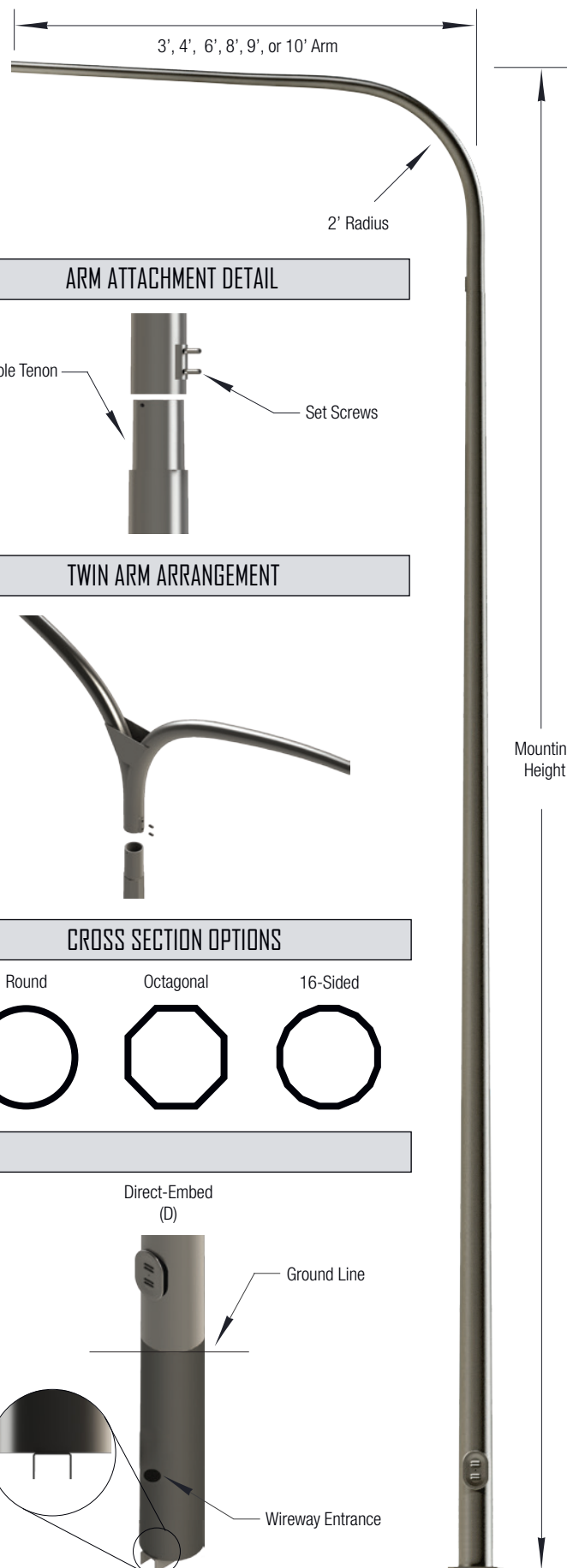
SD2 style arms are fabricated from 11 gauge ASTM A1011 Grade 50 carbon steel. SD2 arms are fitted with a 2.38" x 6" pipe adapter with 3 degrees nominal rise from the roadway for luminaire mounting. Arms are slip fitted onto the pole assembly and secured in place by set screws.

## FINISHING

Carbon steel poles may be specified as hot-dip galvanized per ASTM A123 and/or finish painted with our standard Millerbond Wet Coat Finish.

## HARDWARE

All hardware and fasteners are supplied with each pole assembly. All structural fasteners are galvanized high-strength carbon steel.





## ANCHOR BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE +/- 0.5 (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
SE1-101-A-069-A-250	25	10	203	6.9	4	10	10	6.18	6.18	6.18	6.18	6.18	6.11	4.93
SE1-101-A-076-A-300	30	10	248	7.6	4	10.5	10.5	5.65	5.65	5.65	5.65	5.65	5.33	4.19
SE1-101-A-084-A-350	35	10	304	8.4	4	11.5	11.5	5.3	5.3	5.3	5.3	5.3	4.67	3.56
SE1-101-A-091-A-400	40	10	374	9.1	4	13	13	5.05	5.05	5.05	5.05	5.05	4.07	2.97
SE1-101-A-104-A-500	50	10	513	10.4	4	14	14	4.68	4.68	4.68	3.66	2.41	1.37	0.51

## DIRECT-EMBEDDED BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BURIAL DEPTH (FT)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
SE1-101-D-069-A-250	25	10	192	6.9	4	5	6.18	6.18	6.18	6.18	6.18	6.11	4.93
SE1-101-D-076-A-300	30	10	238	7.6	4	6	5.65	5.65	5.65	5.65	5.65	5.33	4.19
SE1-101-D-084-A-350	35	10	289	8.4	4	6	5.3	5.3	5.3	5.3	5.3	4.67	3.56
SE1-101-D-091-A-400	40	10	344	9.1	4	7	5.05	5.05	5.05	5.05	5.05	4.07	2.97
SE1-101-D-104-A-500	50	10	483	10.4	4	8	4.68	4.68	4.68	3.66	2.41	1.37	0.51

## HIGH-BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
SE1-101-H-070-A-250	25	10	204	7	4	15	15	7.05	7.05	7.05	7.05	7.05	6.99	5.76
SE1-101-H-086-A-300	30	10	254	8.6	4	15	15	7.41	7.41	7.41	7.41	7.41	7.41	7.07
SE1-101-H-096-A-350	35	10	309	9.6	4	15	15	7.05	7.05	7.05	7.05	7.05	7.05	6.75
SE1-101-H-096-A-400	40	10	348	9.6	4	15	15	5.92	5.92	5.92	5.92	5.92	5.81	4.53
SE1-101-H-106-A-500	50	10	488	10.6	4	15	15	5.11	5.11	5.11	3.97	2.73	1.7	0.84

1. Variations from above sizes are available. Consult factory for allowable weight and EPA ratings for custom sizes.
2. Charts are for single arm configurations only. Consult factory for allowable weight and EPA ratings on twin arm arrangements.
3. Charted weights include the base, pole shaft, and luminaire mounting arm.
4. The "Base O.D." measurement for direct-embedded structures is taken at the ground line.

SD2 -	-	-	-	-	-	-	-	-
Design	Arm Span	Base Style	Base Diameter	Wall Thickness	Mounting Height	Cross-Section	Finish	Options
	031 = 3' 041 = 4' 061 = 6' 081 = 8' 091 = 9' 101 = 10'	A = Anchor H = High D = Direct Embed	Base diameter is identified with one decimal place to identify diameter in inches. (e.g. 094 = 9.4")	A = 11 GA B = 7 GA C = 3/16" D = 1/4 "	Mounting height is identified with one decimal place to identify height in feet. (e.g. 255=25.5')	R = Round H = 8-Sided W = 16-Sided	GV = Hot Dip-Galvanize FP = Finish Paint GP = Paint Over Galvanize	Insert Part Number for options, separated by "-"



# SD2 (DAVIT) STAINLESS STEEL

## ANCHOR BOLTS

Anchor bolts conform to ASTM F1554 Grade-55 standards. Bolts have an "L" bend at one end and a minimum of 12" galvanized threads on the other end. Two galvanized flat washers per ASTM F436 and two galvanized hexagonal nuts per ASTM A563 Grade DH are provided with each bolt.

## ANCHOR BASE

The base plate is fabricated from ASTM A240 stainless steel. The base is fabricated with slotted bolt holes to allow for a +/- 0.5" variance in listed nominal bolt circle size. The base plate telescopes the pole shaft and is circumferentially welded top and bottom.

## HIGH BASE

Each pole assembly is fashioned with a Millerbernd Manufacturing Company High Base. The base is fabricated from the same material as the pole shaft and stands 27 inches tall. The pole shaft is slip fitted and welded to the base.

## DIRECT-EMBEDDED BASE

Each pole assembly is fashioned with a direct embedded base. The base extends below the ground line and is fitted with a 1 inch coupling located 2' below the ground line for wire entrance. The direct embedded base is fashioned with an anti-rotation bearing strap on the bottom of the base.

## SHAFT

The pole shaft conforms to ASTM A240 Grade 201LN stainless steel standards.

## HANDHOLE

A reinforced handhole with cover, grounding lug, and hardware is provided with each pole assembly. Pole assemblies fabricated with a High-Base are provided with a flush mounted handhole with cover, grounding lug, and hardware.

## ARMS

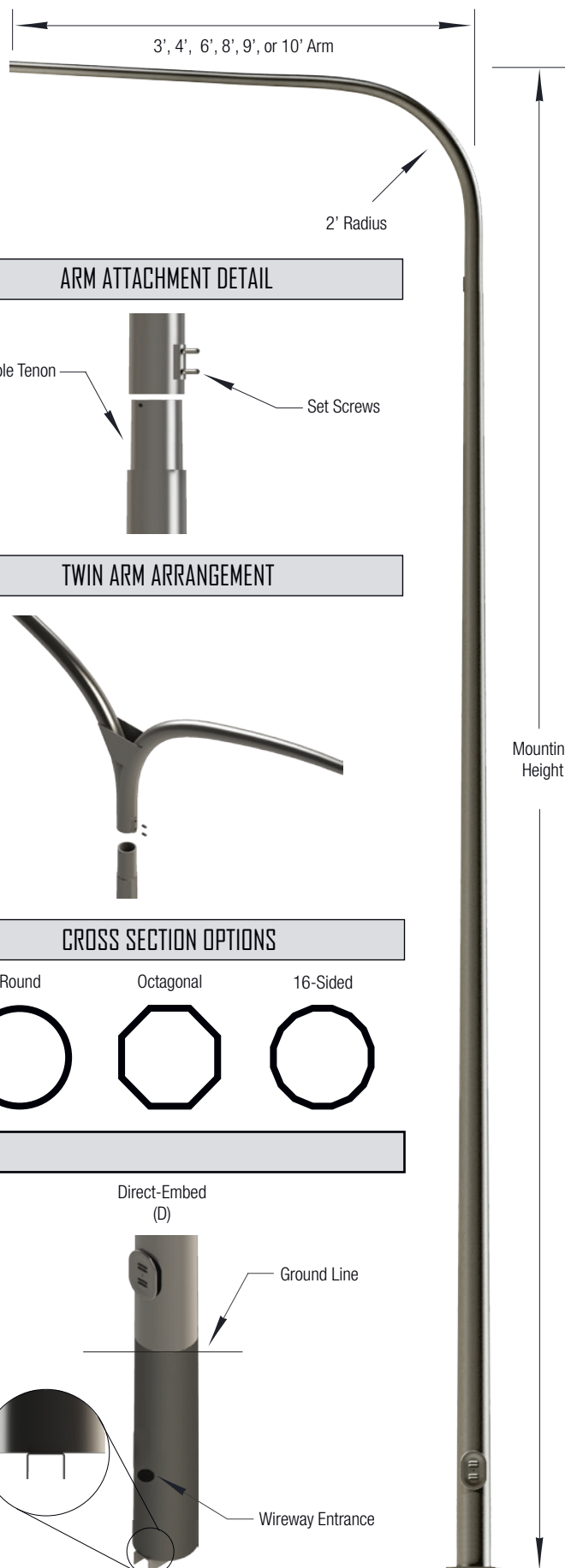
SD2 style arms are fabricated from 14 gauge ASTM A240 Grade 201LN stainless steel. SD2 arms are fitted with a 2.38" x 6" pipe adapter with 3 degrees nominal rise from the roadway for luminaire mounting. Arms are slip fitted onto the pole assembly and secured in place by set screws.

## FINISHING

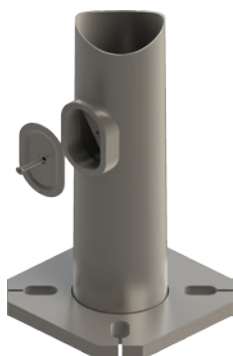
Stainless steel poles may be specified as frost (rust resistant stainless steel shot blast) finished or finish painted with our standard Millerbond Wet Coat Finish.

## HARDWARE

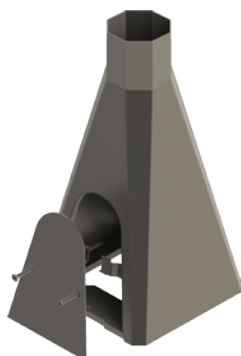
All hardware and fasteners are supplied with each pole assembly. All structural fasteners are 18-8 stainless steel.



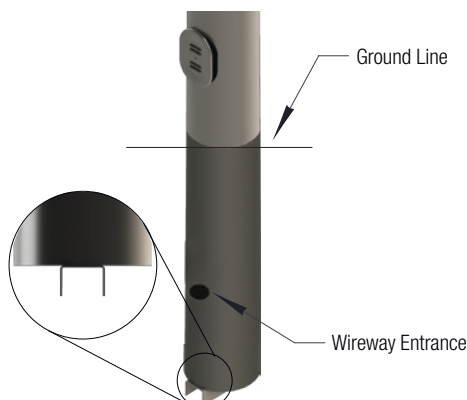
Anchor Base  
(A)



High-Base  
(H)



Direct-Embed  
(D)





## ANCHOR BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE +/- 0.5 (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
SE1-101-A-069-E-250	25	10	131	6.9	4	10	10	3.58	3.58	3.58	2.91	2	1.27	0.67
SE1-101-A-076-E-300	30	10	160	7.6	4	10.5	10.5	3.25	3.25	2.88	1.83	1.02		
SE1-101-A-084-E-350	35	10	194	8.4	4	11.5	11.5	3.03	3.03	1.84	0.9			
SE1-101-A-084-F-350	35	10	269	8.4	4	11.5	11.5	4.8	4.8	4.8	4.8	4.8	3.69	2.69
SE1-101-A-094-E-400	40	10	287	9.4	4	12.5	12.5	3.03	2.77	1.43				
SE1-101-A-094-F-400	40	10	388	9.4	4	12.5	12.5	4.81	4.81	4.81	4.81	4.54	3.3	2.29
SE1-101-A-105-E-500	50	10	322	10.5	4	13.5	13.5	2.01						
SE1-101-A-105-F-500	50	10	440	10.5	4	13.5	13.5	4.3	4.3	4.3	3.23	2.03	1.04	

## DIRECT-EMBEDDED BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BURIAL DEPTH (FT)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
SE1-101-D-069-E-250	25	10	118	6.9	4	5	3.58	3.58	3.58	2.91	2	1.27	0.67
SE1-101-D-076-E-300	30	10	147	7.6	4	6	3.25	3.25	2.88	1.83	1.02		
SE1-101-D-084-E-350	35	10	177	8.4	4	6	3.03	3.03	1.84	0.9			
SE1-101-D-084-F-350	35	10	252	8.4	4	6	4.8	4.8	4.8	4.8	4.8	3.69	2.69
SE1-101-D-094-E-400	40	10	272	9.4	4	7	3.03	2.77	1.43				
SE1-101-D-094-F-400	40	10	371	9.4	4	7	4.81	4.81	4.81	4.81	4.54	3.3	2.29
SE1-101-D-105-E-500	50	10	307	10.5	4	8	2.01						
SE1-101-D-105-F-500	50	10	423	10.5	4	8	4.3	4.3	4.3	3.23	2.03	1.04	

## HIGH-BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
SE1-101-H-067-E-250	25	10	121	6.7	3.26	15	15	2.12	2.12	2.12	1.82	0.88		
SE1-101-H-081-E-300	30	10	154	8.1	3.26	15	15	2.2	2.2	2.2	1.48			
SE1-101-H-094-E-350	35	10	199	9.4	3.11	15	15	2.2	2.2	2.2	2.2	1.08		
SE1-101-H-094-F-350	35	10	284	9.4	3.11	15	15	3.55	3.55	3.55	3.55	3.55	3.55	3.55
SE1-101-H-094-E-400	40	10	304	9.4	3.11	15	15	1.86	1.86	1.86	1.25			
SE1-101-H-094-F-400	40	10	396	9.4	3.11	15	15	3.06	3.06	3.06	3.06	3.06	3.06	2.86
SE1-101-H-105-E-500	50	10	338	10.5	3.11	17	17	1.58	1.5					
SE1-101-H-105-F-500	50	10	452	10.5	3.11	17	17	2.65	2.65	2.65	2.65	2.65	1.79	0.93

1. Variations from above sizes are available. Consult factory for allowable weight and EPA ratings for custom sizes.
2. Charts are for single arm configurations only. Consult factory for allowable weight and EPA ratings on twin arm arrangements.
3. Charted weights include the base, pole shaft, and luminaire mounting arm.
4. All multi-sided stainless steel poles with a mounting height of 35 feet or more are 16-sided.
5. Stainless steel structures with a round cross section must be finish painted with our Millerbond wet coat finish.
6. Stainless steel break-away High-Base option available. For a break-away High-Base, insert "BKB" as an option.
7. The "Base O.D." measurement for direct-embedded structures is taken at the ground line.

SD2 -	-	-	-	-	-	-	-	-
Design	Arm Span	Base Style	Base Diameter	Wall Thickness	Mounting Height	Cross-Section	Finish	Options
	031 = 3' 041 = 4' 061 = 6' 081 = 8' 091 = 9' 101 = 10'	A = Anchor H = High D = Direct Embed	Base diameter is identified with one decimal place to identify diameter in inches. (e.g. 094 = 9.4")	E = 14 GA F = 12 GA	Mounting height is identified with one decimal place to identify height in feet. (e.g. 255=25.5')	R = Round H = 8-Sided W = 16-Sided	FR = Frost (Stainless Steel only) FP = Finish Paint	Insert Part Number for options, separated by "-"





# SJ1 (TAPERED ARM) CARBON STEEL

## ANCHOR BOLTS

Anchor bolts conform to ASTM F1554 Grade-55 standards. Bolts have an "L" bend at one end and a minimum of 12" galvanized threads on the other end. Two galvanized flat washers per ASTM F436 and two galvanized hexagonal nuts per ASTM A563 Grade DH are provided with each bolt.

## ANCHOR BASE

The base plate is fabricated from ASTM A36 carbon steel. The base is fabricated with slotted bolt holes to allow for a +/- 0.5" variance in listed nominal bolt circle size. The base plate telescopes the pole shaft and is circumferentially welded top and bottom.

## HIGH BASE

Each pole assembly is fashioned with a Millerbernd Manufacturing Company High Base. The base is fabricated from the same material as the pole shaft and stands 27 inches tall. The pole shaft is slip fitted and welded to the base.

## DIRECT-EMBEDDED BASE

Each pole assembly is fashioned with a direct embedded base. The base extends below the ground line and is fitted with a 1 inch coupling located 2' below the ground line for wire entrance. The direct embedded base is fashioned with an anti-rotation bearing strap on the bottom of the base.

## SHAFT

The pole shaft conforms to ASTM A1011 Grade 50 carbon steel standards.

## HANDHOLE

A reinforced handhole with cover, grounding lug, and hardware is provided with each pole assembly. Pole assemblies fabricated with a High-Base are provided with a flush mounted handhole with cover, grounding lug, and hardware.

## ARMS

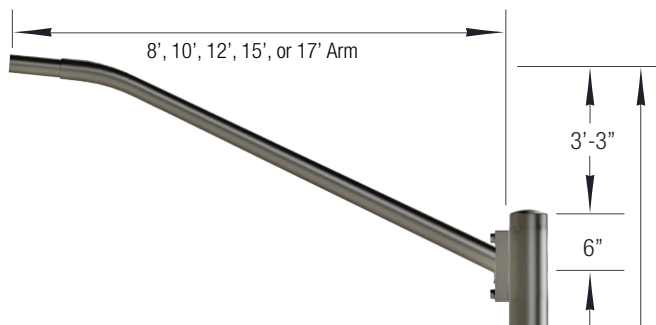
SJ1 arms are formed from 11 gauge ASTM A1011 Grade 50 carbon steel. Each SJ1 arm attaches to the pole shaft with a three bolt simplex plate. Each SJ1 arm has a rise of 3 feet and 3 inches from the pole top and is fitted with a 2.38" diameter pipe adapter.

## FINISHING

Carbon steel poles may be specified as hot-dip galvanized per ASTM A123 and/or finish painted with our standard Millerbond Wet Coat Finish.

## HARDWARE

All hardware and fasteners are supplied with each pole assembly. All structural fasteners are galvanized high-strength carbon steel.



ARM ATTACHMENT DETAIL



TWIN ARM ARRANGEMENT

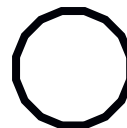
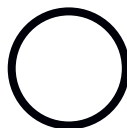


CROSS SECTION OPTIONS

Round

Octagonal

16-Sided

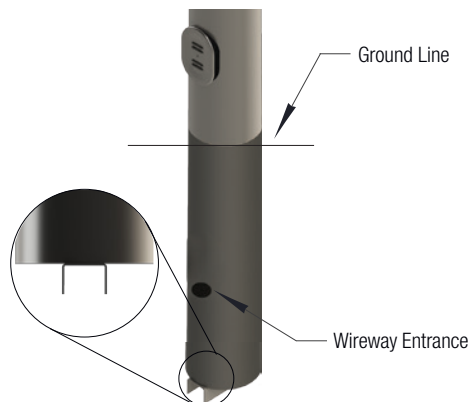
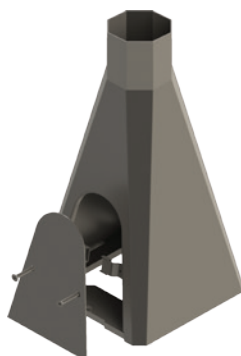
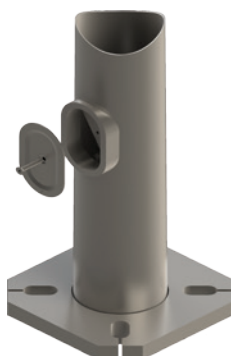


BASE OPTIONS

Anchor Base  
(A)

High-Base  
(H)

Direct-Embed  
(D)



Mounting  
Height



## ANCHOR BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE +/- 0.5 (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
SJ1-171-A-060-A-200	20	17	206	6	3.62	9	9	1.95	1.95	1.95	1.95	1.95	1.95	1.95
SJ1-171-A-070-A-250	25	17	254	7	3.92	10	10	2.27	2.27	2.27	2.27	2.27	2.27	2.01
SJ1-171-A-080-A-300	30	17	313	8	4.22	11	11	2.68	2.68	2.66	2.68	2.68	2.38	1.39
SJ1-171-A-080-A-350	35	17	343	8	3.52	11	11	1.04	1.04	1.04	1.04	1.04	0.61	
SJ1-171-A-085-A-350	35	17	369	8.5	4.02	11.5	11.5	2	2	2	2	2	1.94	0.8
SJ1-171-A-090-A-400	40	17	423	9	3.82	12.5	12.5	1.48	1.48	1.48	1.48	1.48	0.82	
SJ1-171-A-105-A-500	50	17	558	10.5	3.45	14	14	1.49	1.49	1.49	0.51			

## DIRECT-EMBEDDED BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BURIAL DEPTH (FT)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
SJ1-171-D-060-A-200	20	17	158	6	3.62	5	1.95	1.95	1.95	1.95	1.95	1.95	1.95
SJ1-171-D-070-A-250	25	17	206	7	2.92	5	2.27	2.27	2.27	2.27	2.27	2.27	2.01
SJ1-171-D-080-A-300	30	17	263	8	2.72	6	2.68	2.68	2.68	2.68	2.68	2.38	1.39
SJ1-171-D-080-A-350	35	17	287	8	2.52	6	1.04	1.04	1.04	1.04	1.04	0.61	
SJ1-171-D-085-A-350	35	17	307	8.5	4.02	6	2	2	2	2	2	1.94	0.8
SJ1-171-D-090-A-400	40	17	354	9	3.82	7	1.48	1.48	1.48	1.48	1.48	0.82	
SJ1-171-D-105-A-500	50	17	489	10.5	3.45	8	1.49	1.49	1.49	0.51			

## HIGH-BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
SJ1-171-H-070-A-200	20	17	226	7	4	15	15	3.57	3.57	3.57	3.57	3.57	3.57	2.58
SJ1-171-H-070-A-250	25	17	252	7	4	15	15	2.25	2.25	2.25	2.25	2.25	1.47	
SJ1-171-H-086-A-300	30	17	330	8.6	4	15	15	2.45	2.45	2.45	2.45	2.45	2.13	0.73
SJ1-171-H-096-A-350	35	17	357	9.6	4	15	15	2.29	2.29	2.29	2.29	2.29	1.2	
SJ1-171-H-096-A-400	40	17	429	9.6	4	15	15	1.73	1.73	1.73	1.73			
SJ1-171-H-106-A-500	50	17	562	10.6	4	15	15	1.64	1.64	1.64				

1. Variations from above sizes are available. Consult factory for allowable weight and EPA ratings for custom sizes.
2. Charts are for single arm configurations only. Consult factory for allowable weight and EPA ratings on twin arm arrangements.
3. Charted weights include the base, pole shaft, and luminaire mounting arm.
4. The "Base O.D." measurement for direct-embedded structures is taken at the ground line.

SJ1 -	-	-	-	-	-	-	-	-
Design	Arm Span	Base Style	Base Diameter	Wall Thickness	Mounting Height	Cross-Section	Finish	Options
	081 = 8' 101 = 10' 121 = 12' 151 = 15' 171 = 17'	A = Anchor H = High D = Direct Embed	Base diameter is identified with one decimal place to identify diameter in inches. (e.g. 094 = 9.4")	A = 11 GA B = 7 GA C = 3/16" D = 1/4"	Mounting height is identified with one decimal place to identify height in feet. (e.g. 255=25.5')	R = Round H = 8-Sided W = 16-Sided	GV = Hot Dip-Galvanize FP = Finish Paint GP = Paint Over Galvanize	Insert Part Number for options, separated by "-"



# SJ1 (TAPERED ARM) STAINLESS STEEL

## ANCHOR BOLTS

Anchor bolts conform to ASTM F1554 Grade-55 standards. Bolts have an "L" bend at one end and a minimum of 12" galvanized threads on the other end. Two galvanized flat washers per ASTM F436 and two galvanized hexagonal nuts per ASTM A563 Grade DH are provided with each bolt.

## ANCHOR BASE

The base plate is fabricated from ASTM A240 stainless steel. The base is fabricated with slotted bolt holes to allow for a +/- 0.5" variance in listed nominal bolt circle size. The base plate telescopes the pole shaft and is circumferentially welded top and bottom.

## HIGH BASE

Each pole assembly is fashioned with a Millerbernd Manufacturing Company High Base. The base is fabricated from the same material as the pole shaft and stands 27 inches tall. The pole shaft is slip fitted and welded to the base.

## DIRECT-EMBEDDED BASE

Each pole assembly is fashioned with a direct embedded base. The base extends below the ground line and is fitted with a 1 inch coupling located 2' below the ground line for wire entrance. The direct embedded base is fashioned with an anti-rotation bearing strap on the bottom of the base.

## SHAFT

The pole shaft conforms to ASTM A240 Grade 201LN stainless steel standards.

## HANDHOLE

A reinforced handhole with cover, grounding lug, and hardware is provided with each pole assembly. Pole assemblies fabricated with a High-Base are provided with a flush mounted handhole with cover, grounding lug, and hardware.

## ARMS

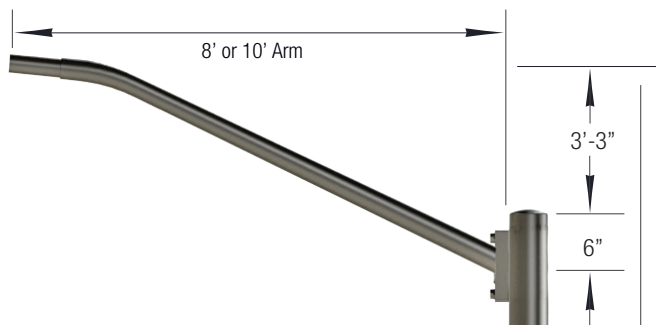
SJ1 arms are formed from 14 gauge ASTM A240 Grade 201LN stainless steel. Each SJ1 arm attaches to the pole shaft with a three bolt simplex plate. Each SJ1 arm has a rise of 3 feet and 3 inches from the pole top and is fitted with a 2.38" diameter pipe adapter.

## FINISHING

Stainless steel poles may be specified as frost (rust resistant stainless steel shot blast) finished or finish painted with our standard Millerbond Wet Coat Finish.

## HARDWARE

All hardware and fasteners are supplied with each pole assembly. All structural fasteners are 18-8 stainless steel.



ARM ATTACHMENT DETAIL

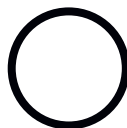


TWIN ARM ARRANGEMENT



CROSS SECTION OPTIONS

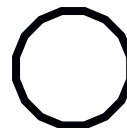
Round



Octagonal

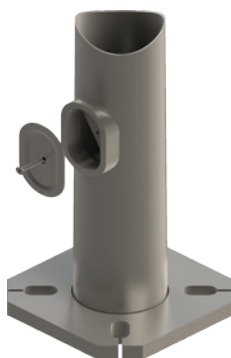


16-Sided

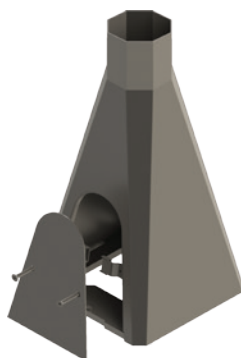


BASE OPTIONS

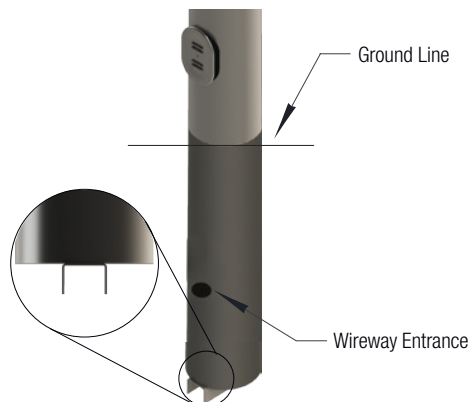
Anchor Base  
(A)



High-Base  
(H)



Direct-Embed  
(D)



Mounting  
Height



## ANCHOR BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE +/- 0.5 (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
SJ1-101-A-060-E-200	20	10	118	6	3.62	9	9	2.94	2.94	2.94	2.94	2.35	1.59	0.96
SJ1-101-A-070-E-250	25	10	149	7	3.92	10	10	3.27	3.27	3.27	2.63	1.72	0.99	
SJ1-101-A-080-E-300	30	10	189	8	4.22	11	11	3.69	3.69	3.21	2.09	1.2		
SJ1-101-A-080-E-350	35	10	212	8	4.02	11	11	1.97	1.97	0.8				
SJ1-101-A-085-E-350	35	10	231	8.5	4.02	11.5	11.5	2.98	2.98	1.68	0.72			
SJ1-101-A-085-F-350	35	10	269	8.5	4.02	11.5	11.5	4.8	4.8	4.8	4.8	4.8	3.57	2.55
SJ1-101-A-090-E-400	40	10	270	9	3.82	12.5	12.5	2.42	1.62					
SJ1-101-A-090-F-400	40	10	345	9	3.82	12.5	12.5	3.97	3.97	3.97	3.97	3.39	2.28	1.36
SJ1-101-A-105-F-500	50	10	487	10.5	3.95	14	14	3.99	3.99	3.99	3.18	1.89	0.83	

## DIRECT-EMBEDDED BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BURIAL DEPTH (FT)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
SJ1-101-D-060-E-200	20	10	92	6	3.62	5	2.94	2.94	2.94	2.94	2.35	1.59	0.96
SJ1-101-D-070-E-250	25	10	121	7	2.92	5	3.27	3.27	3.27	2.63	1.72	0.99	
SJ1-101-D-080-E-300	30	10	155	8	2.72	6	3.69	3.69	3.21	2.09	1.2		
SJ1-101-D-080-E-350	35	10	170	8	2.52	6	1.97	1.97	0.8				
SJ1-101-D-085-E-350	35	10	182	8.5	4.02	6	2.98	2.98	1.68	0.72			
SJ1-101-D-085-F-350	35	10	297	8.5	4.05	6	4.8	4.8	4.8	4.8	4.8	3.57	2.55
SJ1-101-D-090-E-400	40	10	210	9	3.82	7	2.42	1.62					
SJ1-101-D-090-F-400	40	10	341	9	3.82	7	3.97	3.97	3.97	3.97	3.39	2.28	1.36
SJ1-101-D-105-F-500	50	10	483	10.5	3.95	8	3.99	3.99	3.18	1.89	0.83		

## HIGH-BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
SJ1-101-H-067-E-200	20	10	121	6.7	4	15	15	3.5	2.89	2.33	1.83	1.4	1.02	
SJ1-101-H-067-E-250	25	10	141	6.7	4	15	15	2.65	2.65	1.66				
SJ1-101-H-081-E-300	30	10	178	8.1	4	15	15	2.82	2.64	1.39				
SJ1-101-H-081-E-350	35	10	202	8.1	4	15	15	2.14						
SJ1-101-H-081-F-350	35	10	255	8.1	4	15	15	3.16	2.55	1.99	1.51			
SJ1-101-H-094-E-400	40	10	240	9.4	4	15	15	1.79						
SJ1-101-H-094-F-400	40	10	325	9.4	4	15	15	3.08	2.46	1.91	1.43			
SJ1-101-H-105-F-500	50	10	467	10.5	4	17	17	4.16	4.16	3.5	1.64			

1. Variations from above sizes are available. Consult factory for allowable weight and EPA ratings for custom sizes.
2. Charts are for single arm configurations only. Consult factory for allowable weight and EPA ratings on twin arm arrangements.
3. Charted weights include the base, pole shaft, and luminaire mounting arm.
4. All multi-sided stainless steel poles with a mounting height of 35 feet or more are 16-sided.
5. Stainless steel structures with a round cross section must be finish painted with our Millerbond wet coat finish.
6. Stainless steel break-away High-Base option available. For a break-away High-Base, insert "BKB" as an option.
7. The "Base O.D." measurement for direct-embedded structures is taken at the ground line.

SJ1 -	-	-	-	-	-	-	-	-
Design	Arm Span	Base Style	Base Diameter	Wall Thickness	Mounting Height	Cross-Section	Finish	Options
	081 = 8' 101 = 10'	A = Anchor H = High D = Direct Embed	Base diameter is identified with one decimal place to identify diameter in inches. (e.g. 094 = 9.4")	E = 14 GA F = 12 GA	Mounting height is identified with one decimal place to identify height in feet. (e.g. 255=25.5')	R = Round H = 8-Sided W = 16-Sided	FR = Frost (Stainless Steel only) FP = Finish Paint	Insert Part Number for options, separated by "-"





# SB1 (BEAM ARM) CARBON STEEL

## ANCHOR BOLTS

Anchor bolts conform to ASTM F1554 Grade-55 standards. Bolts have an "L" bend at one end and a minimum of 12" galvanized threads on the other end. Two galvanized flat washers per ASTM F436 and two galvanized hexagonal nuts per ASTM A563 Grade DH are provided with each bolt.

## ANCHOR BASE

The base plate is fabricated from ASTM A36 carbon steel. The base is fabricated with slotted bolt holes to allow for a +/- 0.5" variance in listed nominal bolt circle size. The base plate telescopes the pole shaft and is circumferentially welded top and bottom.

## HIGH BASE

Each pole assembly is fashioned with a Millerbernd Manufacturing Company High Base. The base is fabricated from the same material as the pole shaft and stands 27 inches tall. The pole shaft is slip fitted and welded to the base.

## DIRECT-EMBEDDED BASE

Each pole assembly is fashioned with a direct embedded base. The base extends below the ground line and is fitted with a 1 inch coupling located 2' below the ground line for wire entrance. The direct embedded base is fashioned with an anti-rotation bearing strap on the bottom of the base.

## SHAFT

The pole shaft conforms to ASTM A1011 Grade 50 carbon steel standards.

## HANDHOLE

A reinforced handhole with cover, grounding lug, and hardware is provided with each pole assembly. Pole assemblies fabricated with a High-Base are provided with a flush mounted handhole with cover, grounding lug, and hardware.

## ARMS

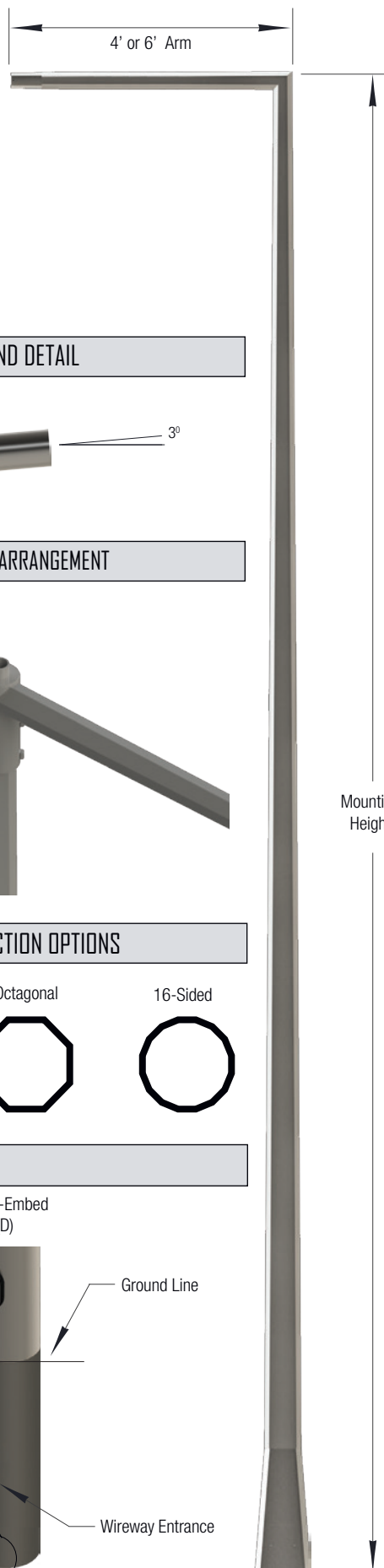
SB1 arms are fabricated from the same material as the pole shaft. SB1 arms are fitted with a 2.38" x 6" pipe adapter for luminaire mounting. Arms are cut with a 45° angle at the arm base and are circumferentially welded to a mating cut on the pole shaft.

## FINISHING

Carbon steel poles may be specified as hot-dip galvanized per ASTM A123 and/or finish painted with our standard Millerbond Wet Coat Finish.

## HARDWARE

All hardware and fasteners are supplied with each pole assembly. All structural fasteners are galvanized high-strength carbon steel.



ARM END DETAIL



TWIN ARM ARRANGEMENT

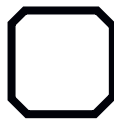


CROSS SECTION OPTIONS

Chamfered Square

Octagonal

16-Sided

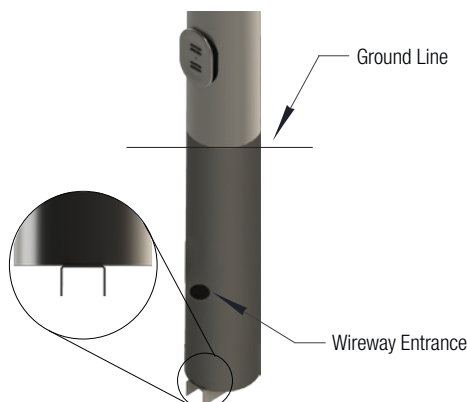
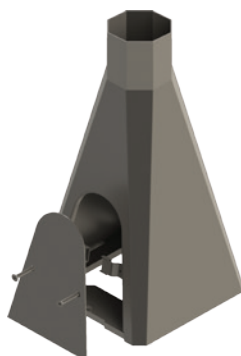
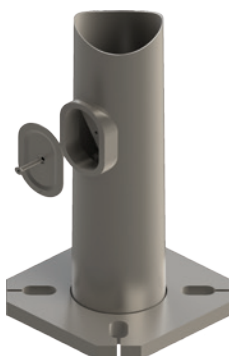


BASE OPTIONS

Anchor Base  
(A)

High-Base  
(H)

Direct-Embed  
(D)



**ANCHOR BASE**

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE +/- 0.5 (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
SB1-061-A-080-A-250	25	6	240	8	3.7	11	11	8.97	6.34	4.27	2.6	1.25		
SB1-061-A-080-A-300	30	6	275	8	3.7	11	11	5.25	2.95	1.14				
SB1-061-A-090-A-350	35	6	339	9	3.7	12	12	3.95	1.5					
SB1-061-A-100-A-400	40	6	409	10	3.7	13	13	2.49						

**DIRECT-EMBEDDED BASE**

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BURIAL DEPTH (FT)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
SB1-061-D-080-A-250	25	6	221	8	3.7	5	8.97	6.34	4.27	2.6	1.25		
SB1-061-D-080-A-300	30	6	257	8	3.7	6	5.25	2.95	1.14				
SB1-061-D-090-A-350	35	6	318	9	3.7	6	3.95	1.5					
SB1-061-D-100-A-400	40	6	386	10	3.7	7	2.49						

**HIGH-BASE**

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
SB1-061-H-081-A-250	25	6	238	8.1	3.7	11	12	10.62	7.88	5.72	3.98	2.57	1.4	
SB1-061-H-081-A-300	30	6	275	8.1	3.7	11	12	6.9	4.46	2.55	1.02			
SB1-061-H-089-A-350	35	6	356	8.9	3.7	12	14	5.17	2.67	0.72				
SB1-061-H-097-A-400	40	6	399	9.7	3.7	15	15	3.37	0.82					

1. Variations from above sizes are available. Consult factory for allowable weight and EPA ratings for custom sizes.
2. Charts are for single arm configurations only. Consult factory for allowable weight and EPA ratings on twin arm arrangements.
3. Charted weights include the base, pole shaft, and luminaire mounting arm.
4. The "Base O.D." measurement for direct-embedded structures is taken at the ground line.

SB1 -	-	-	-	-	-	-	-	-
Design	Arm Span	Base Style	Base Diameter	Wall Thickness	Mounting Height	Cross-Section	Finish	Options
	041 = 4' 061 = 6'	A = Anchor H = High D = Direct Embed	Base diameter is identified with one decimal place to identify diameter in inches. (e.g. 094 = 9.4")	A = 11 GA B = 7 GA C = 3/16" D = 1/4 "	Mounting height is identified with one decimal place to identify height in feet. (e.g. 255=25.5')	C = Chamfered Square H = 8-Sided W = 16-Sided	GV = Hot Dip-Galvanize FP = Finish Paint GP = Paint Over Galvanize	Insert Part Number for options, separated by "-"



# SBI (BEAM ARM) STAINLESS STEEL

## ANCHOR BOLTS

Anchor bolts conform to ASTM F1554 Grade-55 standards. Bolts have an "L" bend at one end and a minimum of 12" galvanized threads on the other end. Two galvanized flat washers per ASTM F436 and two galvanized hexagonal nuts per ASTM A563 Grade DH are provided with each bolt.

## ANCHOR BASE

The base plate is fabricated from ASTM A240 stainless steel. The base is fabricated with slotted bolt holes to allow for a +/- 0.5" variance in listed nominal bolt circle size. The base plate telescopes the pole shaft and is circumferentially welded top and bottom.

## HIGH BASE

Each pole assembly is fashioned with a Millerbernd Manufacturing Company High Base. The base is fabricated from the same material as the pole shaft and stands 27 inches tall. The pole shaft is slip fitted and welded to the base.

## DIRECT-EMBEDDED BASE

Each pole assembly is fashioned with a direct embedded base. The base extends below the ground line and is fitted with a 1 inch coupling located 2' below the ground line for wire entrance. The direct embedded base is fashioned with an anti-rotation bearing strap on the bottom of the base.

## SHAFT

The pole shaft conforms to ASTM A240 Grade 201LN carbon steel standards.

## HANDHOLE

A reinforced handhole with cover, grounding lug, and hardware is provided with each pole assembly. Pole assemblies fabricated with a High-Base are provided with a flush mounted handhole with cover, grounding lug, and hardware.

## ARMS

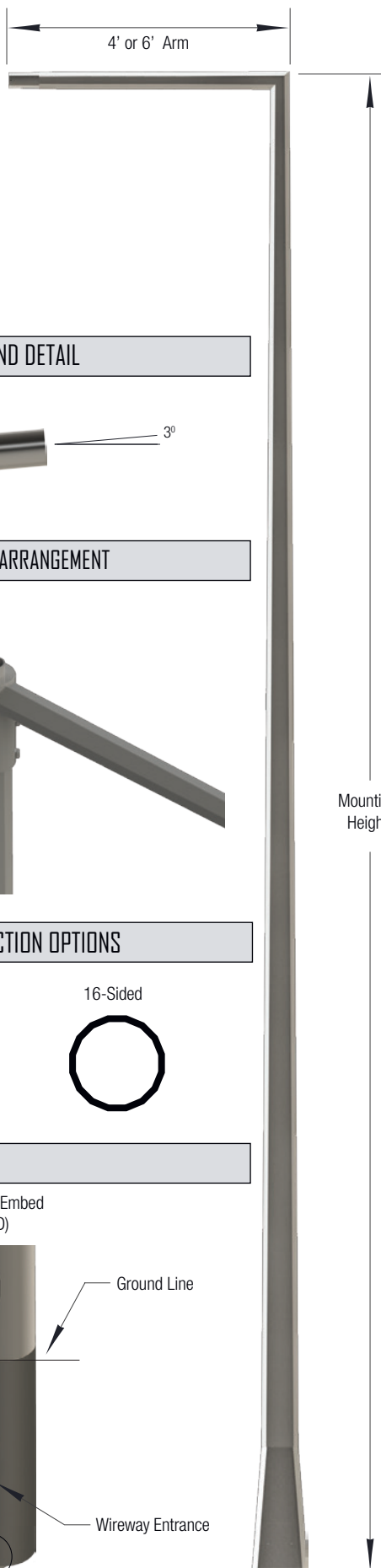
SB1 arms are fabricated from the same material as the pole shaft. SB1 arms are fitted with a 2.38" x 6" pipe adapter for luminaire mounting. Arms are cut with a 45° angle at the arm base and are circumferentially welded to a mating cut on the pole shaft.

## FINISHING

Carbon steel poles may be specified as hot-dip galvanized per ASTM A123 and/or finish painted with our standard Millerbond Wet Coat Finish.

## HARDWARE

All hardware and fasteners are supplied with each pole assembly. All structural fasteners are 18-8 stainless steel.



ARM END DETAIL



TWIN ARM ARRANGEMENT



CROSS SECTION OPTIONS

Octagonal

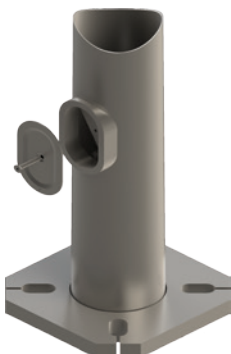


16-Sided

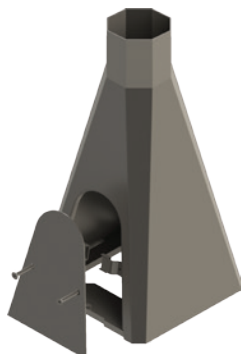


BASE OPTIONS

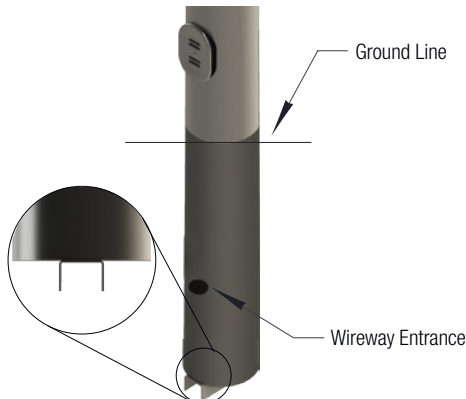
Anchor Base  
(A)



High-Base  
(H)



Direct-Embed  
(D)





## ANCHOR BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE +/- 0.5 (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
SB1-061-A-080-E-250	25	6	154	8	3.7	11	11	5.44	3.19	1.48				
SB1-061-A-080-E-300	30	6	175	8	3.7	11	11	2.49	0.64					
SB1-061-A-090-E-350	35	6	209	9	3.7	12	12	1.96						
SB1-061-A-100-F-400	40	6	355	10	3.7	13	13	8.27	4.7	2				

## DIRECT-EMBEDDED BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BURIAL DEPTH (FT)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
SB1-061-D-080-E-250	25	6	135	8	3.7	5	5.44	3.19	1.48				
SB1-061-D-080-E-300	30	6	156	8	3.7	6	2.49	0.64					
SB1-061-D-090-E-350	35	6	193	9	3.7	6	1.96						
SB1-061-D-100-F-400	40	6	352	10	3.7	7	8.27	4.7	2				

## HIGH-BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
SB1-061-H-081-E-250	25	6	147	8.1	3.7	11	12	7.47	4.97	3.05	1.55			
SB1-061-H-081-E-300	30	6	169	8.1	3.7	11	12	4.09	2.06	0.51				
SB1-061-H-089-E-350	35	6	203	8.9	3.7	12	14	3.48	1.3					
SB1-061-H-097-E-400	40	6	240	9.7	3.7	15	15	1.86						
SB1-061-H-097-F-400	40	6	350	9.7	3.7	15	15	9.44	6.39	3.65	1.52			

- Variations from above sizes are available. Consult factory for allowable weight and EPA ratings for custom sizes.
- Charts are for single arm configurations only. Consult factory for allowable weight and EPA ratings on twin arm arrangements.
- Charted weights include the base, pole shaft, and luminaire mounting arm.
- All multi-sided stainless steel poles with a mounting height of 35 feet or more are 16-sided.
- Stainless steel structures with a round cross section must be finish painted with our Millerbond wet coat finish.
- Stainless steel break-away High-Base option available. For a break-away High-Base, insert "BKB" as an option.
- The "Base O.D." measurement for direct-embedded structures is taken at the ground line.

SB1 -	-	-	-	-	-	-	-	-
Design	Arm Span	Base Style	Base Diameter	Wall Thickness	Mounting Height	Cross-Section	Finish	Options
	041 = 4' 061 = 6'	A = Anchor H = High D = Direct Embed	Base diameter is identified with one decimal place to identify diameter in inches. (e.g. 094 = 9.4")	E = 14 GA F = 12 GA	Mounting height is identified with one decimal place to identify height in feet. (e.g. 255=25.5')	H = 8-Sided W = 16-Sided	FR = Frost (Stainless Steel only) FP = Finish Paint	Insert Part Number for options, seperated by "-."





# SPI (PIPE ARM) CARBON STEEL

## ANCHOR BOLTS

Anchor bolts conform to ASTM F1554 Grade-55 standards. Bolts have an "L" bend at one end and a minimum of 12" galvanized threads on the other end. Two galvanized flat washers per ASTM F436 and two galvanized hexagonal nuts per ASTM A563 Grade DH are provided with each bolt.

## ANCHOR BASE

The base plate is fabricated from ASTM A36 carbon steel. The base is fabricated with slotted bolt holes to allow for a +/- 0.5" variance in listed nominal bolt circle size. The base plate telescopes the pole shaft and is circumferentially welded top and bottom.

## HIGH BASE

Each pole assembly is fashioned with a Millerbernd Manufacturing Company High Base. The base is fabricated from the same material as the pole shaft and stands 27 inches tall. The pole shaft is slip fitted and welded to the base.

## DIRECT-EMBEDDED BASE

Each pole assembly is fashioned with a direct embedded base. The base extends below the ground line and is fitted with a 1 inch coupling located 2' below the ground line for wire entrance. The direct embedded base is fashioned with an anti-rotation bearing strap on the bottom of the base.

## SHAFT

The pole shaft conforms to ASTM A1011 Grade 50 carbon steel standards.

## HANDHOLE

A reinforced handhole with cover, grounding lug, and hardware is provided with each pole assembly. Pole assemblies fabricated with a High-Base are provided with a flush mounted handhole with cover, grounding lug, and hardware.

## ARMS

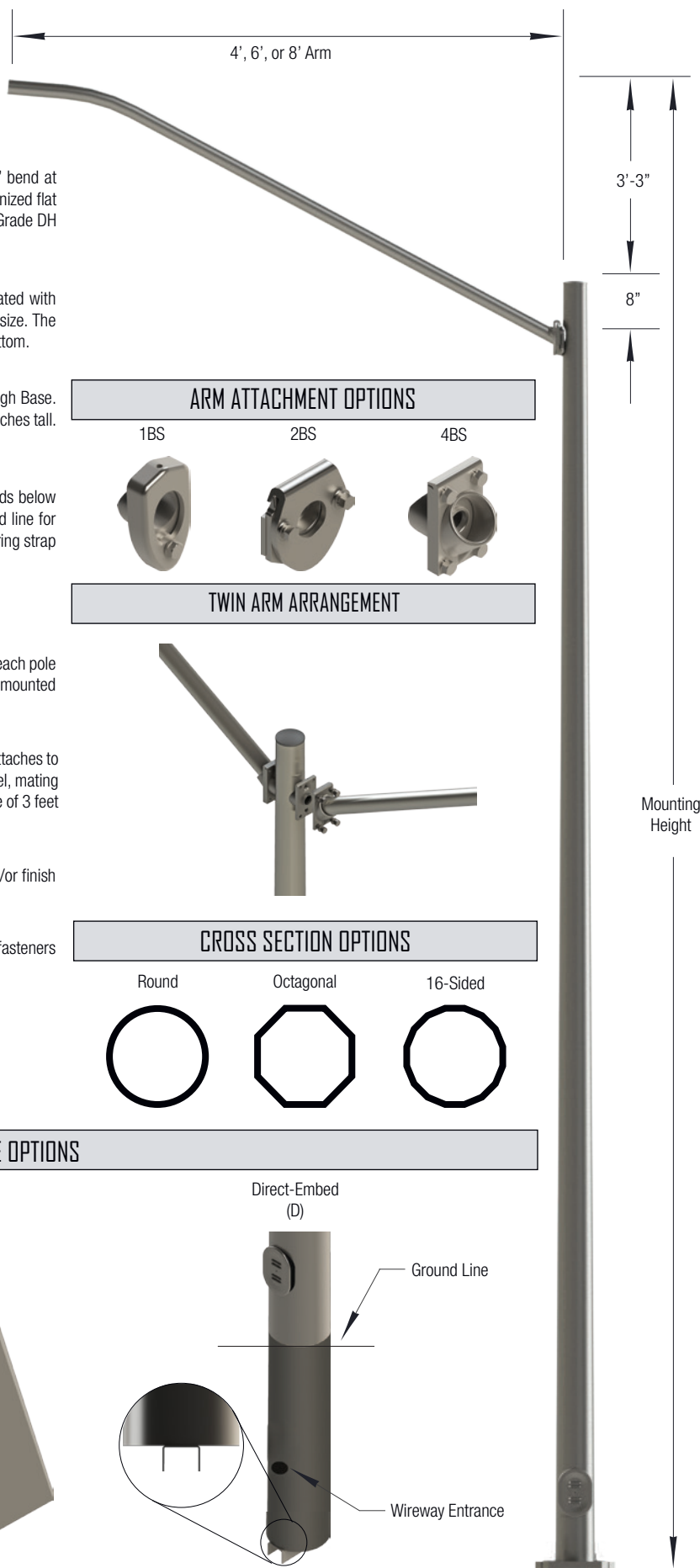
SP1 arms are fabricated from 2" (2.38" O.D.) schedule 40 pipe. Each SP1 arm attaches to the pole shaft with a cast steel, mating 4-bolt simplex bracket (optional cast steel, mating 1-bolt (1BS) or 2-bolt (2BS) simplex brackets are available. SP1 arms have a rise of 3 feet and 3 inches from the pole top.

## FINISHING

Carbon steel poles may be specified as hot-dip galvanized per ASTM A123 and/or finish painted with our standard Millerbond Wet Coat Finish.

## HARDWARE

All hardware and fasteners are supplied with each pole assembly. All structural fasteners are galvanized high-strength carbon steel.



### ARM ATTACHMENT OPTIONS

1BS

2BS

4BS

### TWIN ARM ARRANGEMENT

### CROSS SECTION OPTIONS

Round

Octagonal

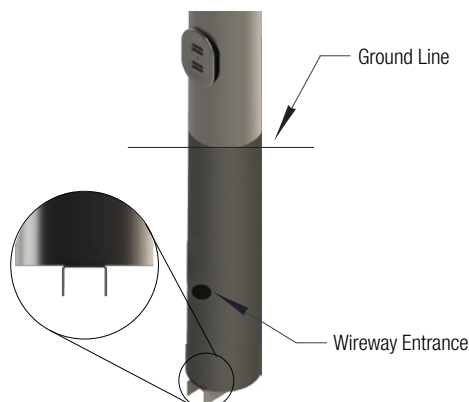
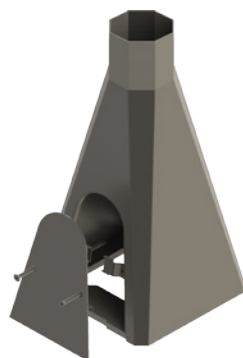
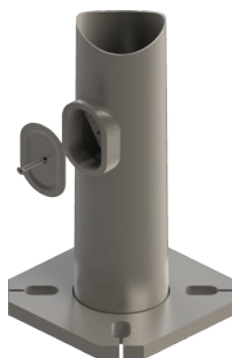
16-Sided

### BASE OPTIONS

Anchor Base  
(A)

High-Base  
(H)

Direct-Embed  
(D)





## ANCHOR BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE +/- 0.5 (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
SP1-081-A-060-A-200	20	8	157	6	3.62	9	9	5.85	5.2	4.58	3.96	3.41	2.94	2.52
SP1-081-A-070-A-250	25	8	205	7	3.92	10	10	5.71	5.04	4.4	3.8	3.26	2.79	2.39
SP1-081-A-080-A-300	30	8	264	8	4.22	11	11	5.6	4.92	4.26	3.67	3.14	2.69	2.28
SP1-081-A-080-A-350	35	8	294	8	3.52	11	11	4.96	4.81	4.15	3.56	3.04	2.58	2.19
SP1-081-A-085-A-350	35	8	320	8.5	4.02	11.5	11.5	5.49	4.81	4.15	3.56	3.04	2.58	2.19
SP1-081-A-090-A-400	40	8	374	9	3.82	12.5	12.5	5.41	4.71	4.06	3.45	2.94	2.5	2.11
SP1-081-A-100-A-500	50	8	480	10	3.45	13.5	13.5	4.17	4.17	3.89	3.31	2.74	1.81	1.03

## DIRECT-EMBEDDED BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BURIAL DEPTH (FT)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
SP1-081-D-060-A-200	20	8	124	6	3.62	5	5.85	5.2	4.58	3.96	3.41	2.94	2.52
SP1-081-D-070-A-250	25	8	172	7	3.92	5	5.71	5.04	4.4	3.8	3.26	2.79	2.39
SP1-081-D-080-A-300	30	8	229	8	4.22	6	5.6	4.92	4.26	3.67	3.14	2.69	2.28
SP1-081-D-080-A-350	35	8	253	8	3.52	6	4.96	4.81	4.15	3.56	3.04	2.58	2.19
SP1-081-D-085-A-350	35	8	273	8.5	4.02	6	5.49	4.81	4.15	3.56	3.04	2.58	2.19
SP1-081-D-090-A-400	40	8	320	9	3.82	7	5.41	4.71	4.06	3.46	2.94	2.5	2.11
SP1-081-D-100-A-500	50	8	432	10	3.45	8	4.17	4.17	3.89	3.31	2.74	1.81	1.03

## HIGH-BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
SP1-081-H-070-A-200	20	8	177	7	4	15	15	5.85	5.2	5.46	3.96	3.42	2.94	2.52
SP1-081-H-070-A-250	25	8	203	7	4	15	15	5.71	5.04	4.4	3.8	3.26	2.79	2.39
SP1-081-H-086-A-300	30	8	281	8.6	4	15	15	5.6	4.92	4.26	3.67	3.14	2.68	2.28
SP1-081-H-086-A-350	35	8	308	9.6	4	15	15	5.5	4.81	4.15	3.56	3.04	2.58	2.19
SP1-081-H-096-A-400	40	8	380	9.6	4	15	15	5.41	4.71	4.06	3.47	2.95	1.93	0.61
SP1-081-H-106-A-500	50	8	482	10.6	4	15	15	5.26	4.55	3.81	1.5			

1. Variations from above sizes are available. Consult factory for allowable weight and EPA ratings for custom sizes.
2. Charts are for single arm configurations only. Consult factory for allowable weight and EPA ratings on twin arm arrangements.
3. Charted weights include the base, pole shaft, and luminaire mounting arm.
4. Unless specified otherwise, luminaire mounting arms attach to the pole shaft with a 4-bolt simplex bracket. To specify a different bracket, insert the bracket part number under options.
5. The "Base O.D." measurement for direct-embedded structures is taken at the ground line.

SP1 -	-	-	-	-	-	-	-	-
Design	Arm Span	Base Style	Base Diameter	Wall Thickness	Mounting Height	Cross-Section	Finish	Options
	041 = 4' 061 = 6' 081 = 8'	A = Anchor H = High D = Direct Embed	Base diameter is identified with one decimal place to identify diameter in inches. (e.g. 094 = 9.4")	A = 11 GA B = 7 GA C = 3/16" D = 1/4 "	Mounting height is identified with one decimal place to identify height in feet. (e.g. 255=25.5')	R = Round H = 8-Sided W = 16-Sided	GV =Hot Dip-Galvanize FP = Finish Paint GP = Paint Over Galvanize	Insert Part Number for options, seperated by "-"



# SPI (PIPE ARM) STAINLESS STEEL

## ANCHOR BOLTS

Anchor bolts conform to ASTM F1554 Grade-55 standards. Bolts have an "L" bend at one end and a minimum of 12" galvanized threads on the other end. Two galvanized flat washers per ASTM F436 and two galvanized hexagonal nuts per ASTM A563 Grade DH are provided with each bolt.

## ANCHOR BASE

The base plate is fabricated from ASTM A240 stainless steel. The base is fabricated with slotted bolt holes to allow for a +/- 0.5" variance in listed nominal bolt circle size. The base plate telescopes the pole shaft and is circumferentially welded top and bottom.

## HIGH BASE

Each pole assembly is fashioned with a Millerbernd Manufacturing Company High Base. The base is fabricated from the same material as the pole shaft and stands 27 inches tall. The pole shaft is slip fitted and welded to the base.

## DIRECT-EMBEDDED BASE

Each pole assembly is fashioned with a direct embedded base. The base extends below the ground line and is fitted with a 1 inch coupling located 2' below the ground line for wire entrance. The direct embedded base is fashioned with an anti-rotation bearing strap on the bottom of the base.

## SHAFT

The pole shaft conforms to ASTM A240 Grade 201LN stainless steel standards.

## HANDHOLE

A reinforced handhole with cover, grounding lug, and hardware is provided with each pole assembly. Pole assemblies fabricated with a High-Base are provided with a flush mounted handhole with cover, grounding lug, and hardware.

## ARMS

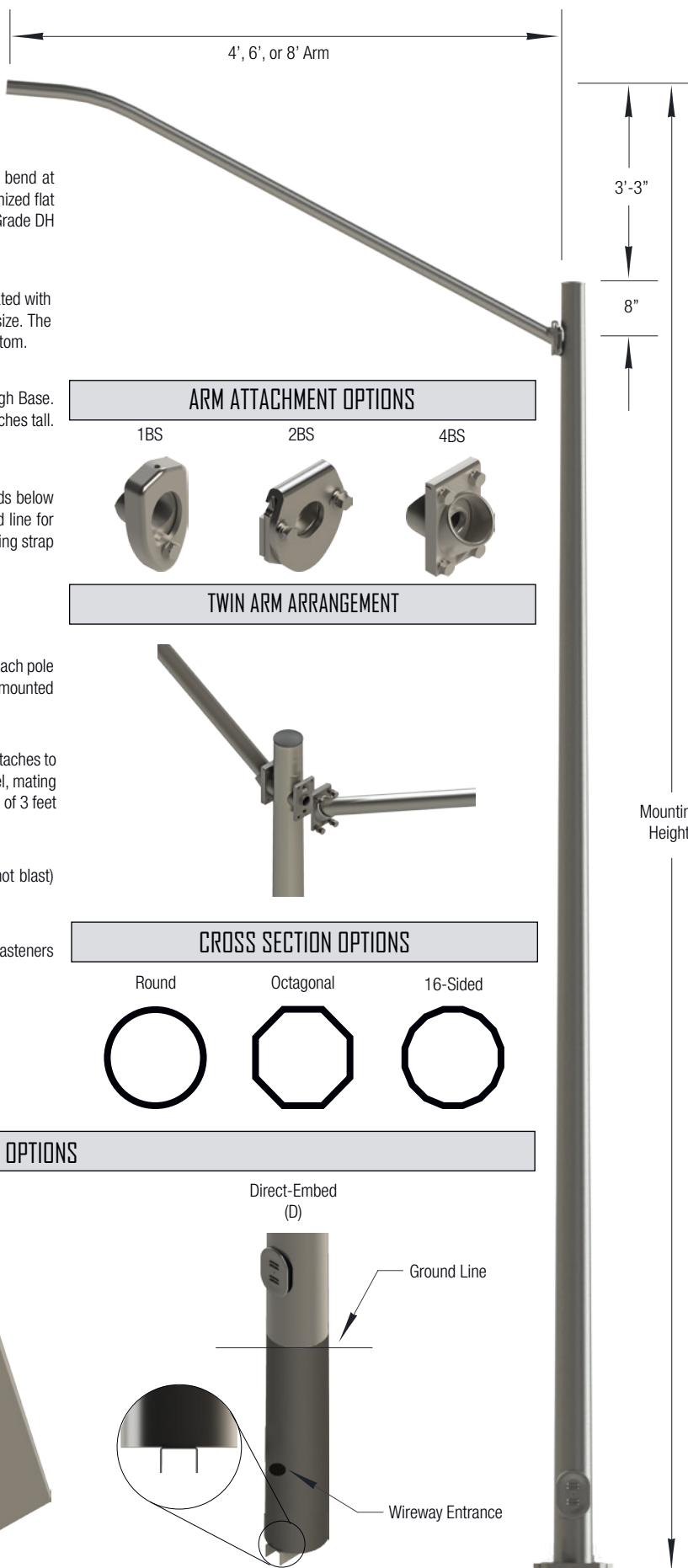
SP1 arms are fabricated from 2" (2.38" O.D.) schedule 40 pipe. Each SP1 arm attaches to the pole shaft with a cast steel, mating 4-bolt simplex bracket (optional cast steel, mating 1-bolt (1BS) or 2-bolt (2BS) simplex brackets are available. SP1 arms have a rise of 3 feet and 3 inches from the pole top.

## FINISHING

Stainless steel poles may be specified as frost (rust resistant stainless steel shot blast) finished or finish painted with our standard Millerbond Wet Coat Finish.

## HARDWARE

All hardware and fasteners are supplied with each pole assembly. All structural fasteners are 18-8 stainless steel.



### ARM ATTACHMENT OPTIONS

1BS

2BS

4BS

### TWIN ARM ARRANGEMENT

### CROSS SECTION OPTIONS

Round

Octagonal

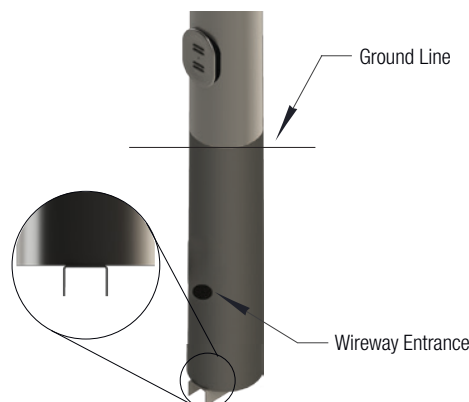
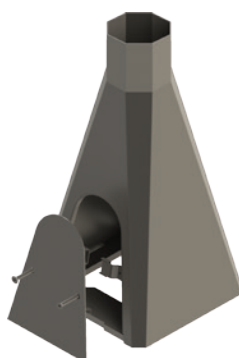
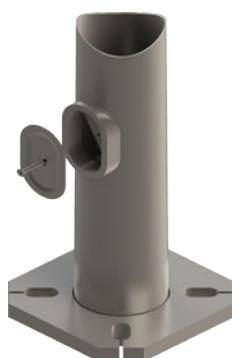
16-Sided

### BASE OPTIONS

Anchor Base  
(A)

High-Base  
(H)

Direct-Embed  
(D)





## ANCHOR BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE +/- 0.5 (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
SP1-081-A-060-E-200	20	8	107	6	3.62	9	9	3.2	2.79	2.4	2.04	1.71	1.42	1.16
SP1-081-A-070-E-250	25	8	136	7	3.92	10	10	3.11	2.7	2.3	1.94	1.61	1.33	1.08
SP1-081-A-080-E-300	30	8	173	8	4.22	11	11	3.04	2.62	2.22	1.86	1.54	1.26	1.02
SP1-081-A-080-E-350	35	8	194	8	3.52	11	11	2.84	2.55	2.01	1.1			
SP1-081-A-085-E-350	35	8	212	8.5	4.02	11.5	11.5	2.98	2.55	2.16	1.79	1.2	0.59	
SP1-081-A-085-F-350	35	8	288	8.5	4.02	11.5	11.5	2.98	2.55	2.16	1.79	1.48	1.2	0.96
SP1-081-A-090-E-400	40	8	247	9	3.82	12.5	12.5	2.92	2.5	1.61	0.75			
SP1-081-A-090-F-400	40	8	338	9	3.82	12.5	12.5	2.92	2.5	2.1	1.74	1.42	1.15	0.92
SP1-081-A-100-E-500	50	8	324	10	3.45	13.5	13.5	1.99						
SP1-081-A-100-F-500	50	8	445	10	3.45	13.5	13.5	2.83	2.4	2	1.64	1.33	1.07	0.58

## DIRECT-EMBEDDED BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BURIAL DEPTH (FT)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
SP1-081-D-060-E-200	20	8	84	6	3.62	5	3.2	2.79	2.4	2.04	1.71	1.42	1.16
SP1-081-D-070-E-250	25	8	113	7	3.92	5	3.11	2.7	2.3	1.94	1.61	1.33	1.08
SP1-081-D-080-E-300	30	8	148	8	4.22	6	3.04	2.62	2.22	1.86	1.54	1.26	1.02
SP1-081-D-080-E-350	35	8	162	8	3.52	6	2.84	2.55	2.01	1.1			
SP1-081-D-085-E-350	35	8	175	8.5	4.02	6	2.98	2.55	2.16	1.79	1.2	0.59	
SP1-081-D-085-F-350	35	8	298	8.5	4.02	6	2.98	2.55	2.16	1.79	1.48	1.2	0.96
SP1-081-D-090-E-400	40	8	203	9	3.82	7	2.92	2.5	1.61	0.75			
SP1-081-D-090-F-400	40	8	342	9	3.82	7	2.92	2.5	2.1	1.74	1.42	1.15	0.92
SP1-081-D-100-E-500	50	8	329	10	3.45	8	1.99						
SP1-081-D-100-F-500	50	8	453	10	3.45	8	2.83	2.4	2	1.64	1.33	1.07	0.58

## HIGH-BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
SP1-081-H-067-E-200	20	8	115	6.7	4	15	15	3.2	2.79	2.4	2.04	1.71	1.42	1.16
SP1-081-H-067-E-250	25	8	136	6.7	4	15	15	3.11	2.7	2.3	1.94	1.32	0.54	
SP1-081-H-081-E-300	30	8	174	8.1	4	15	15	3.04	2.62	2.22	1.86	0.8		
SP1-081-H-094-E-350	35	8	198	9.4	4	15	15	2.98	2.55	2.16	1.79	1.48	0.64	
SP1-081-H-094-F-350	35	8	218	9.4	4	15	15	2.98	2.55	2.16	1.79	1.48	1.2	0.96
SP1-081-H-094-E-400	40	8	237	9.4	4	15	15	2.92	2.5	1.57				
SP1-081-H-094-F-400	40	8	334	9.4	4	15	15	2.92	2.5	2.1	1.74	1.42	1.15	0.92
SP1-081-H-105-E-500	50	8	321	10.5	4	17	17	2.15						
SP1-081-H-105-F-500	50	8	445	10.5	4	17	17	2.83	2.4	2	1.64	1.33		

1. Variations from above sizes are available. Consult factory for allowable weight and EPA ratings for custom sizes.
2. Charts are for single arm configurations only. Consult factory for allowable weight and EPA ratings on twin arm arrangements.
3. Charted weights include the base, pole shaft, and luminaire mounting arm.
4. Unless specified otherwise, luminaire mounting arms attach to the pole shaft with a 4-bolt simplex bracket. To specify a different bracket, insert the bracket part number under options.
5. All multi-sided stainless steel poles with a mounting height of 35 feet or more are 16-sided.
6. Stainless steel structures with a round cross section must be finish painted with our Millerbond wet coat finish.
7. Stainless steel break-away High-Base option available. For a break-away High-Base, insert "BKB" as an option.
8. The "Base O.D." measurement for direct-embedded structures is taken at the ground line.

SP1 -	-	-	-	-	-	-	-	-	-
Design	Arm Span	Base Style	Base Diameter	Wall Thickness	Mounting Height	Cross-Section	Finish	Options	
	041 = 4' 061 = 6' 081 = 8'	A = Anchor H = High D = Direct Embed	Base diameter is identified with one decimal place to identify diameter in inches. (e.g. 094 = 9.4")	E = 14 GA F = 12 GA	Mounting height is identified with one decimal place to identify height in feet. (e.g. 255=25.5')	R = Round H = 8-Sided W = 16-Sided	FR = Frost (Stainless Steel only) FP = Finish Paint	Insert Part Number for options, separated by "-"	



# SP2 (PIPE ARM) CARBON STEEL

## ANCHOR BOLTS

Anchor bolts conform to ASTM F1554 Grade-55 standards. Bolts have an "L" bend at one end and a minimum of 12" galvanized threads on the other end. Two galvanized flat washers per ASTM F436 and two galvanized hexagonal nuts per ASTM A563 Grade DH are provided with each bolt.

## ANCHOR BASE

The base plate is fabricated from ASTM A36 carbon steel. The base is fabricated with slotted bolt holes to allow for a +/- 0.5" variance in listed nominal bolt circle size. The base plate telescopes the pole shaft and is circumferentially welded top and bottom.

## HIGH BASE

Each pole assembly is fashioned with a Millerbernd Manufacturing Company High Base. The base is fabricated from the same material as the pole shaft and stands 27 inches tall. The pole shaft is slip fitted and welded to the base.

## DIRECT-EMBEDDED BASE

Each pole assembly is fashioned with a direct embedded base. The base extends below the ground line and is fitted with a 1 inch coupling located 2' below the ground line for wire entrance. The direct embedded base is fashioned with an anti-rotation bearing strap on the bottom of the base.

## SHAFT

The pole shaft conforms to ASTM A1011 Grade 50 carbon steel standards.

## HANDHOLE

A reinforced handhole with cover, grounding lug, and hardware is provided with each pole assembly. Pole assemblies fabricated with a High-Base are provided with a flush mounted handhole with cover, grounding lug, and hardware.

## ARMS

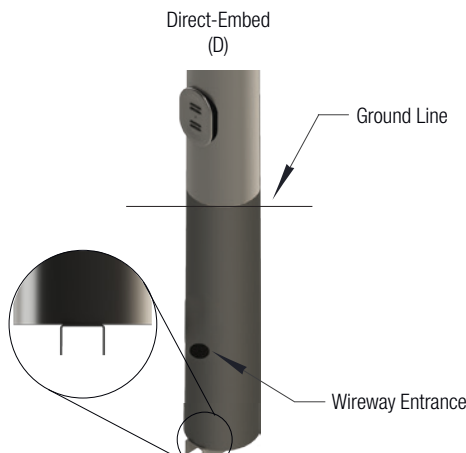
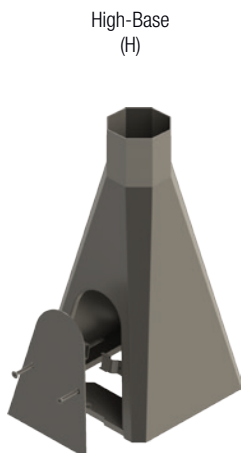
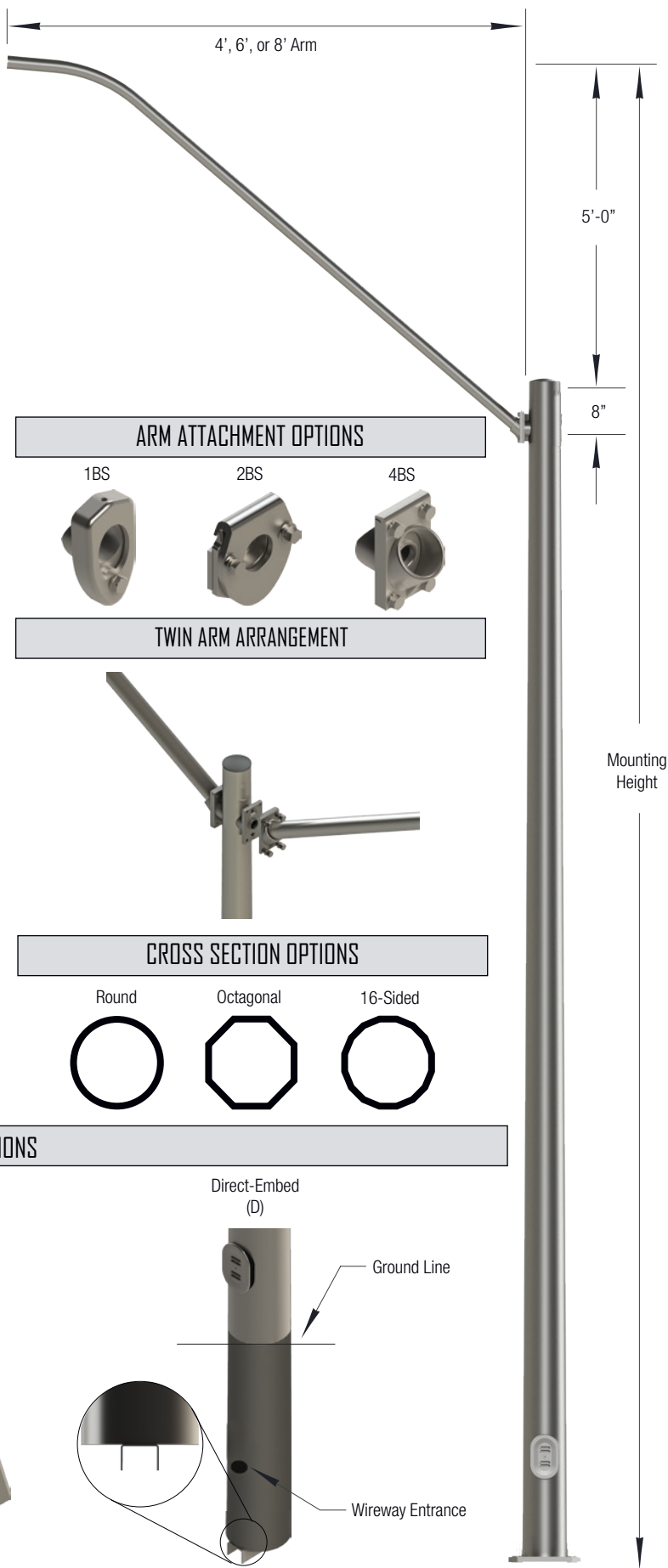
SP2 arms are fabricated from 2" (2.38" O.D.) schedule 40 pipe. Each SP2 arm attaches to the pole shaft with a cast steel, mating 4-bolt simplex bracket (optional cast steel, mating 1-bolt (1BS) or 2-bolt (2BS) simplex brackets are available. SP1 arms have a rise of 5 feet from the pole top.

## FINISHING

Carbon steel poles may be specified as hot-dip galvanized per ASTM A123 and/or finish painted with our standard Millerbond Wet Coat Finish.

## HARDWARE

All hardware and fasteners are supplied with each pole assembly. All structural fasteners are galvanized high-strength carbon steel.







## ANCHOR BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE +/- 0.5 (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
SP2-081-A-060-A-200	20	8	152	6	3.9	9	9	5.85	5.2	4.56	3.96	3.42	2.94	2.52
SP2-081-A-060-A-250	25	8	173	6	3.2	9	9	4.32	4.32	4.32	3.8	3.26	2.79	2.39
SP2-081-A-070-A-250	25	8	204	7	4.2	10	10	5.71	5.04	4.39	3.8	3.26	2.79	2.38
SP2-081-A-065-A-300	30	8	210	6.5	3	9.5	9.5	3.3	3.3	3.3	3.3	3.14	2.68	2.28
SP2-081-A-075-A-300	30	8	247	7.5	4	10.5	10.5	5.59	4.92	4.26	3.67	3.14	2.68	2.28
SP2-081-A-070-A-350	35	8	251	7	2.8	10.5	10.5	2.55	2.55	2.55	2.55	2.55	2.42	1.69
SP2-081-A-080-A-350	35	8	292	8	3.8	11	11	5.49	4.81	4.15	3.56	3.04	2.58	2.19
SP2-081-A-090-A-400	40	8	368	9	4.1	12.5	12.5	5.41	4.71	4.05	3.47	2.95	2.5	2.11
SP2-081-A-095-A-450	45	8	420	9.5	3.9	13	13	5.33	4.63	3.97	3.38	2.87	2.43	2.05
SP2-081-A-100-A-500	50	8	475	10	3.7	13.5	13.5	4.97	4.55	3.89	3.31	2.8	2.13	1.31

## DIRECT-EMBEDDED BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BURIAL DEPTH (FT)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	3.04MAX EPA 140 MPH	MAX EPA 150 MPH
SP2-081-D-060-A-200	20	8	118	6	3.9	5	5.85	5.2	4.56	3.96	3.42	2.94	2.52
SP2-081-D-060-A-250	25	8	140	6	3.2	5	4.32	4.32	4.32	3.8	3.26	2.79	2.39
SP2-081-D-070-A-250	25	8	165	7	4.2	5	5.71	5.04	4.39	3.8	3.26	2.79	2.38
SP2-081-D-065-A-300	30	8	173	6.5	3	6	3.3	3.3	3.3	3.3	3.14	2.68	2.28
SP2-081-D-075-A-300	30	8	205	7.5	4	6	5.59	4.92	4.26	3.67	3.14	2.68	2.28
SP2-081-D-070-A-350	35	8	209	7	2.8	6	2.55	2.55	2.55	2.55	2.55	2.42	1.69
SP2-081-D-080-A-350	35	8	247	8	3.8	6	5.49	4.81	4.15	3.56	3.04	2.58	2.19
SP2-081-D-090-A-400	40	8	313	9	4.1	7	5.41	4.71	4.05	3.47	2.95	2.5	2.11
SP2-081-D-095-A-450	45	8	362	9.5	3.9	7	5.33	4.63	3.97	3.38	2.87	2.43	2.05
SP2-081-D-100-A-500	50	8	450	10	3.7	8	4.97	4.55	3.89	3.31	2.8	2.13	1.31

## HIGH-BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
SP2-081-H-070-A-200	20	8	170	7	4	15	15	5.85	5.2	4.56	3.96	3.42	2.94	2.52
SP2-081-H-070-A-250	25	8	197	7	4	15	15	5.71	5.04	4.4	3.8	3.26	2.79	2.39
SP2-081-H-086-A-300	30	8	273	8.6	4	15	15	5.6	4.92	4.26	3.67	3.14	2.68	2.28
SP2-081-H-096-A-350	35	8	302	9.6	4	15	15	5.5	4.81	4.15	3.56	3.04	2.58	2.19
SP2-081-H-096-A-400	40	8	373	9.6	4	15	15	5.41	4.71	4.06	3.47	2.95	2.5	1.22
SP2-081-H-096-A-450	45	8	400	9.6	4	15	15	5.33	4.63	3.97	3.22	1.46		
SP2-081-H-106-A-500	50	8	444	10.6	4	15	15	5.26	4.55	3.89	2.17			

1. Variations from above sizes are available. Consult factory for allowable weight and EPA ratings for custom sizes.
2. Charts are for single arm configurations only. Consult factory for allowable weight and EPA ratings on twin arm arrangements.
3. Charted weights include the base, pole shaft, and luminaire mounting arm.
4. Unless specified otherwise, luminaire mounting arms attach to the pole shaft with a 4-bolt simplex bracket. To specify a different bracket, insert the bracket part number under options.
5. The "Base O.D." measurement for direct-embedded structures is taken at the ground line.

SP2 -	-	-	-	-	-	-	-	-
Design	Arm Span	Base Style	Base Diameter	Wall Thickness	Mounting Height	Cross-Section	Finish	Options
	041 = 4' 061 = 6' 081 = 8'	A = Anchor H = High D = Direct Embed	Base diameter is identified with one decimal place to identify diameter in inches. (e.g. 094 = 9.4")	A = 11 GA B = 7 GA C = 3/16" D = 1/4 "	Mounting height is identified with one decimal place to identify height in feet. (e.g. 255=25.5')	R = Round H = 8-Sided W = 16-Sided	GV =Hot Dip-Galvanize FP = Finish Paint GP = Paint Over Galvanize	Insert Part Number for options, seperated by "-"



# SP2 (PIPE ARM) STAINLESS STEEL

## ANCHOR BOLTS

Anchor bolts conform to ASTM F1554 Grade-55 standards. Bolts have an "L" bend at one end and a minimum of 12" galvanized threads on the other end. Two galvanized flat washers per ASTM F436 and two galvanized hexagonal nuts per ASTM A563 Grade DH are provided with each bolt.

## ANCHOR BASE

The base plate is fabricated from ASTM A240 stainless steel. The base is fabricated with slotted bolt holes to allow for a +/- 0.5" variance in listed nominal bolt circle size. The base plate telescopes the pole shaft and is circumferentially welded top and bottom.

## HIGH BASE

Each pole assembly is fashioned with a Millerbernd Manufacturing Company High Base. The base is fabricated from the same material as the pole shaft and stands 27 inches tall. The pole shaft is slip fitted and welded to the base.

## DIRECT-EMBEDDED BASE

Each pole assembly is fashioned with a direct embedded base. The base extends below the ground line and is fitted with a 1 inch coupling located 2' below the ground line for wire entrance. The direct embedded base is fashioned with an anti-rotation bearing strap on the bottom of the base.

## SHAFT

The pole shaft conforms to ASTM A240 Grade 201LN stainless steel standards.

## HANDHOLE

A reinforced handhole with cover, grounding lug, and hardware is provided with each pole assembly. Pole assemblies fabricated with a High-Base are provided with a flush mounted handhole with cover, grounding lug, and hardware.

## ARMS

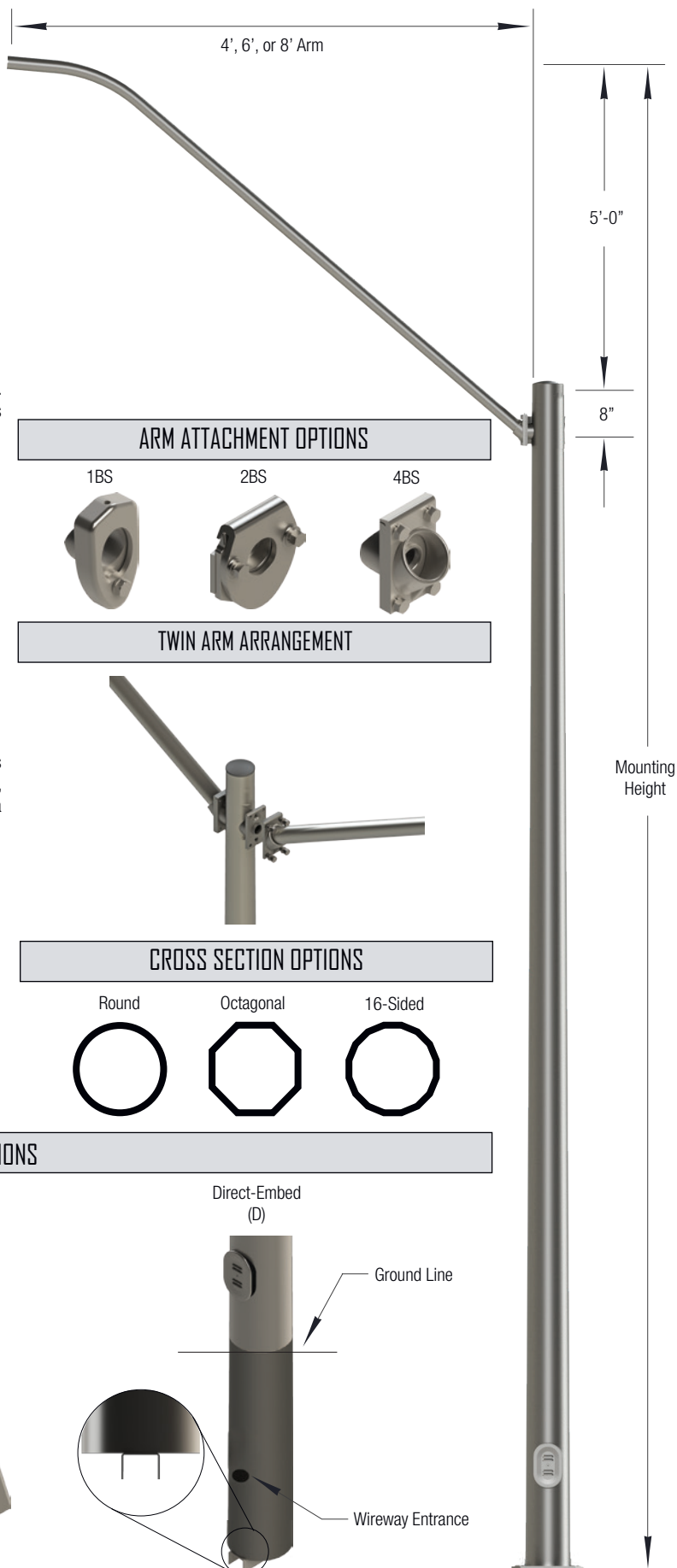
SP2 arms are fabricated from 2" (2.38" O.D.) schedule 40 pipe. Each SP2 arm attaches to the pole shaft with a cast steel, mating 4-bolt simplex bracket (optional cast steel, mating 1-bolt (1BS) or 2-bolt (2BS) simplex brackets are available. SP1 arms have a rise of 5 feet from the pole top.

## FINISHING

Stainless steel poles may be specified as frost (rust resistant stainless steel shot blast) finished or finish painted with our standard Millerbond Wet Coat Finish.

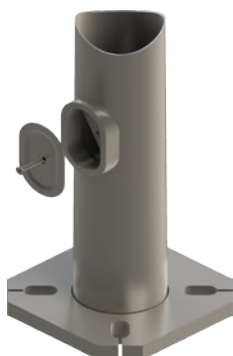
## HARDWARE

All hardware and fasteners are supplied with each pole assembly. All structural fasteners are 18-8 stainless steel.

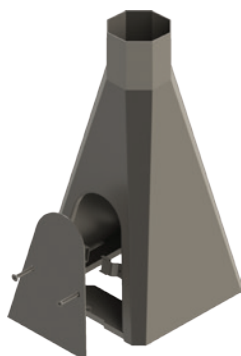


## BASE OPTIONS

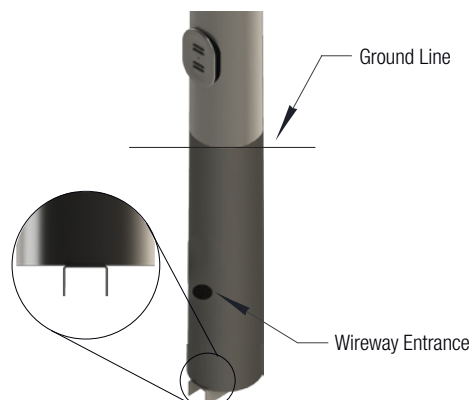
Anchor Base  
(A)



High-Base  
(H)



Direct-Embed  
(D)





## ANCHOR BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE +/- 0.5 (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
SP2-081-A-060-E-200	20	8	104	6	3.9	9	9	3.2	2.79	2.4	2.04	1.71	1.42	1.16
SP2-081-A-060-E-250	25	8	118	6	3.2	9	9	2.43	2.43	2.3	1.94	1.56	0.97	0.54
SP2-081-A-070-E-250	25	8	138	7	4.2	10	10	3.11	2.7	2.3	1.94	1.61	1.33	1.08
SP2-081-A-065-E-300	30	8	141	6.5	3	9.5	9.5	1.8	1.8	1.8	1.16			
SP2-081-A-075-E-300	30	8	165	7.5	4	10.5	10.5	3.08	2.62	2.22	1.86	1.54	1.26	0.78
SP2-081-A-080-E-350	35	8	194	8	3.8	11	11	2.98	2.55	2.16	1.48	0.81		
SP2-081-A-080-F-350	35	8	262	8	3.8	11	11	2.98	2.55	2.16	1.79	1.48	1.2	0.96
SP2-081-A-090-E-400	40	8	244	9	4.1	12.5	12.5	2.92	2.5	2.03	1.16			
SP2-081-A-090-F-400	40	8	332	9	4.1	12.5	12.5	2.92	2.5	2.1	1.74	1.42	1.15	0.92
SP2-081-A-100-E-500	50	8	323	10	3.7	13.5	13.5	2.37	0.83					
SP2-081-A-100-F-500	50	8	436	10	3.7	13.5	13.5	2.83	2.4	2	1.64	1.33	1.07	0.84

## STREET & AREA LIGHTING

## DIRECT-EMBEDDED BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BURIAL DEPTH (FT)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
SP2-081-D-060-E-200	20	8	81	6	3.9	5	3.2	2.79	2.4	2.04	1.71	1.42	1.16
SP2-081-D-060-E-250	25	8	95	6	3.2	5	2.43	2.43	2.3	1.94	1.56	0.97	0.54
SP2-081-D-070-E-250	25	8	110	7	4.2	5	3.11	2.7	2.3	1.94	1.61	1.33	1.08
SP2-081-D-065-E-300	30	8	115	6.5	3	6	1.8	1.8	1.8	1.16			
SP2-081-D-075-E-300	30	8	134	7.5	4	6	3.08	2.62	2.22	1.86	1.54	1.26	0.78
SP2-081-D-080-E-350	35	8	160	8	3.8	6	2.98	2.55	2.16	1.48	0.81		
SP2-081-D-080-F-350	35	8	274	8	3.8	6	2.98	2.55	2.16	1.79	1.48	1.2	0.96
SP2-081-D-090-E-400	40	8	200	9	4.1	7	2.92	2.5	2.03	1.16			
SP2-081-D-090-F-400	40	8	338	9	4.1	7	2.92	2.5	2.1	1.74	1.42	1.15	0.92
SP2-081-D-100-E-500	50	8	328	10	3.7	8	2.37	0.83					
SP2-081-D-100-F-500	50	8	441	10	3.7	8	2.83	2.4	2	1.64	1.33	1.07	0.84

## HIGH-BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
SP2-081-H-067-E-200	20	8	113	6.7	4	15	15	3.2	2.79	2.4	2.04	1.71	1.42	1.16
SP2-081-H-067-E-250	25	8	133	6.7	4	15	15	3.11	2.7	2.3	1.94	1.61	0.99	
SP2-081-H-081-E-300	30	8	171	8.1	4	15	15	3.04	2.62	2.22	1.86	1.32		
SP2-081-H-094-E-350	35	8	194	9.4	4	15	15	2.98	2.55	2.16	1.79	1.48	1.08	
SP2-081-H-094-F-350	35	8	283	9.4	4	15	15	2.98	2.55	2.16	1.79	1.48	1.2	0.96
SP2-081-H-094-E-400	40	8	232	9.4	4	15	15	2.92	2.5	2.08	0.87			
SP2-081-H-094-F-400	40	8	321	9.4	4	15	15	2.92	2.5	2.1	1.74	1.42	1.15	0.92
SP2-081-H-105-F-500	50	8	438	10.5	4	17	17	2.83	2.4	2	1.61	1.33	0.7	

1. Variations from above sizes are available. Consult factory for allowable weight and EPA ratings for custom sizes.
2. Charts are for single arm configurations only. Consult factory for allowable weight and EPA ratings on twin arm arrangements.
3. Charted weights include the base, pole shaft, and luminaire mounting arm.
4. Unless specified otherwise, luminaire mounting arms attach to the pole shaft with a 4-bolt simplex bracket. To specify a different bracket, insert the bracket part number under options.
5. All multi-sided stainless steel poles with a mounting height of 35 feet or more are 16-sided.
6. Stainless steel structures with a round cross section must be finish painted with our Millerbond wet coat finish.
7. Stainless steel break-away High-Base option available. For a break-away High-Base, insert "BKB" as an option.
8. The "Base O.D." measurement for direct-embedded structures is taken at the ground line.

SP2 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Design	Arm Span	Base Style	Base Diameter	Wall Thickness	Mounting Height	Cross-Section	Finish	Options						
	041 = 4' 061 = 6' 081 = 8'	A = Anchor H = High D = Direct Embed	Base diameter is identified with one decimal place to identify diameter in inches. (e.g. 094 = 9.4")	E = 14 GA F = 12 GA	Mounting height is identified with one decimal place to identify height in feet. (e.g. 255=25.5')	R = Round H = 8-Sided W = 16-Sided	FR = Frost (Stainless Steel only) FP = Finish Paint	Insert Part Number for options, separated by "-"						



# SP3 (PIPE ARM) CARBON STEEL

## ANCHOR BOLTS

Anchor bolts conform to ASTM F1554 Grade-55 standards. Bolts have an "L" bend at one end and a minimum of 12" galvanized threads on the other end. Two galvanized flat washers per ASTM F436 and two galvanized hexagonal nuts per ASTM A563 Grade DH are provided with each bolt.

## ANCHOR BASE

The base plate is fabricated from ASTM A36 carbon steel. The base is fabricated with slotted bolt holes to allow for a +/- 0.5" variance in listed nominal bolt circle size. The base plate telescopes the pole shaft and is circumferentially welded top and bottom.

## HIGH BASE

Each pole assembly is fashioned with a Millerbernd Manufacturing Company High Base. The base is fabricated from the same material as the pole shaft and stands 27 inches tall. The pole shaft is slip fitted and welded to the base.

## DIRECT-EMBEDDED BASE

Each pole assembly is fashioned with a direct embedded base. The base extends below the ground line and is fitted with a 1 inch coupling located 2' below the ground line for wire entrance.

## SHAFT

The pole shaft conforms to ASTM A1011 Grade 50 carbon steel standards.

## HANDHOLE

A reinforced handhole with cover, grounding lug, and hardware is provided with each pole assembly. Pole assemblies fabricated with a High-Base are provided with a flush mounted handhole with cover, grounding lug, and hardware.

## ARMS

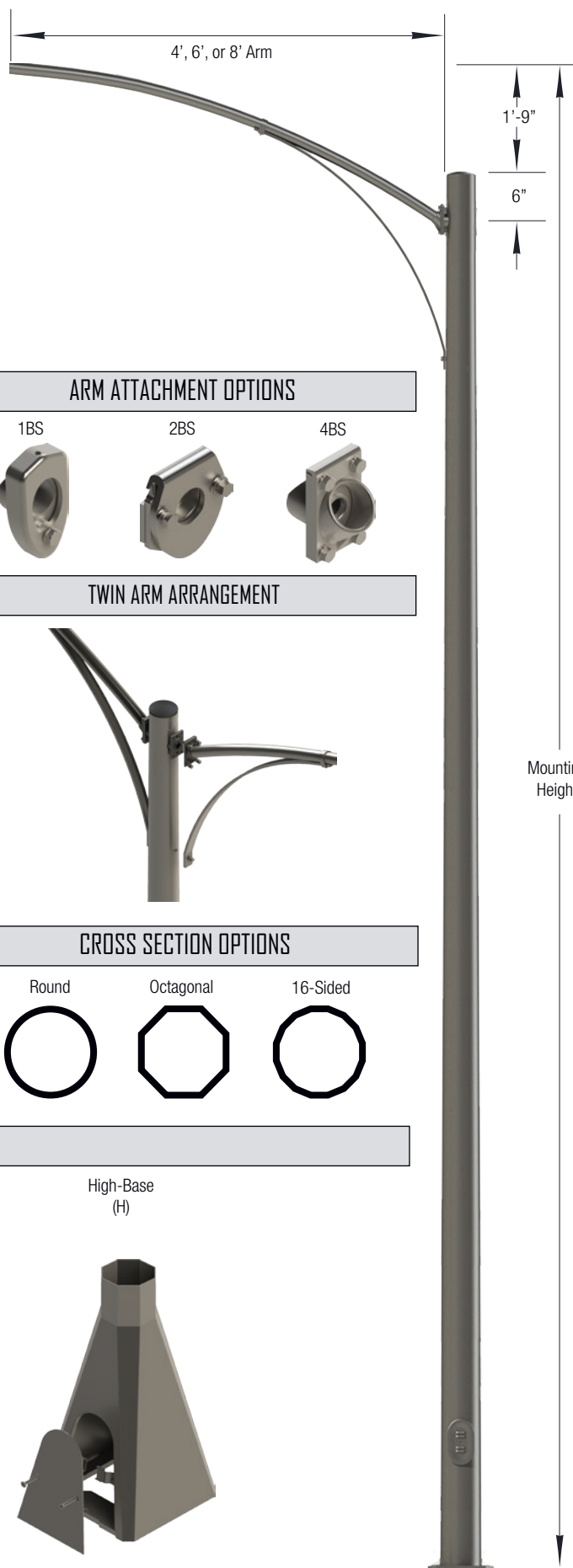
SP3 arms are fabricated from 2" (2.38" O.D.) schedule 40 pipe. Each SP3 arm attaches to the pole shaft with a cast steel, mating 4-bolt simplex bracket (optional cast steel, mating 1-bolt (1BS) or 2-bolt (2BS) simplex brackets are available. SP3 arms have a rise of 1 foot from the pole top.

## FINISHING

Carbon steel poles may be specified as hot-dip galvanized per ASTM A123 and/or finish painted with our standard Millerbond Wet Coat Finish.

## HARDWARE

All hardware and fasteners are supplied with each pole assembly. All structural fasteners are galvanized high-strength carbon steel.



### ARM ATTACHMENT OPTIONS

1BS

2BS

4BS

### TWIN ARM ARRANGEMENT

### CROSS SECTION OPTIONS

Round

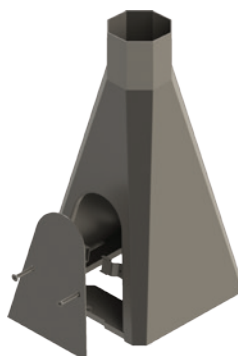
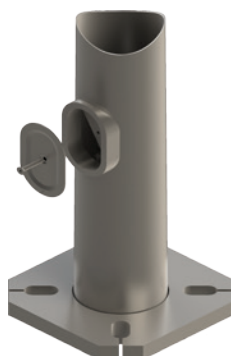
Octagonal

16-Sided

### BASE OPTIONS

Anchor Base  
(A)

High-Base  
(H)





## ANCHOR BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE +/- 0.5 (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
SP3-081-A-068-A-200	20	8	185	6.8	3.95	10	10	5.85	5.2	4.56	3.96	3.42	2.94	2.52
SP3-081-A-070-A-250	25	8	216	7	3.5	10	10	5.71	5.04	4.4	3.8	3.26	2.79	2.39
SP3-081-A-080-A-300	30	8	279	8	3.8	11	11	5.6	4.92	4.26	3.67	3.14	2.68	2.28
SP3-081-A-085-A-350	35	8	326	8.5	3.6	11.5	11.5	5.5	4.81	4.15	3.56	3.04	2.58	2.19
SP3-081-A-095-A-400	40	8	404	9.5	3.9	12.5	12.5	5.41	4.71	4.06	3.47	2.95	2.5	2.11
SP3-081-A-105-A-500	50	8	515	10.5	3.5	13.5	13.5	5.21	4.55	3.89	3.31	2.61	1.66	0.86

## HIGH-BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
SP3-081-H-070-A-200	20	8	184	7	4	15	15	5.85	5.2	4.56	3.96	3.42	2.94	2.52
SP3-081-H-070-A-250	25	8	208	7	4	15	15	5.71	5.04	4.4	3.8	3.26	2.79	2.39
SP3-081-H-086-A-300	30	8	289	8.6	4	15	15	5.6	4.92	4.26	3.67	3.14	2.38	2.28
SP3-081-H-096-A-350	35	8	314	9.6	4	15	15	5.5	4.81	4.15	3.56	3.04	2.58	2.19
SP3-081-H-096-A-400	40	8	387	9.6	4	15	15	5.41	4.71	4.06	3.47	2.95	1.46	
SP3-081-H-106-A-500	50	8	491	10.6	4	15	15	5.26	4.55	3.3	0.99			

1. Variations from above sizes are available. Consult factory for allowable weight and EPA ratings for custom sizes.
2. Charts are for single arm configurations only. Consult factory for allowable weight and EPA ratings on twin arm arrangements.
3. Charted weights include the base, pole shaft, and luminaire mounting arm.
4. Unless specified otherwise, luminaire mounting arms attach to the pole shaft with a 4-bolt simplex bracket. To specify a different bracket, insert the bracket part number under options.
5. The "Base O.D." measurement for direct-embedded structures is taken at the ground line.

SP3 -	-	-	-	-	-	-	-	-
Design	Arm Span	Base Style	Base Diameter	Wall Thickness	Mounting Height	Cross-Section	Finish	Options
	041 = 4' 061 = 6' 081 = 8'	A = Anchor H = High	Base diameter is identified with one decimal place to identify diameter in inches. (e.g. 094 = 9.4")	A = 11 GA B = 7 GA C = 3/16" D = 1/4 "	Mounting height is identified with one decimal place to identify height in feet. (e.g. 255=25.5')	R = Round H = 8-Sided W = 16-Sided	GV =Hot Dip-Galvanize FP = Finish Paint GP = Paint Over Galvanize	Insert Part Number for options, seperated by "-"





# SP3 (PIPE ARM) STAINLESS STEEL

## ANCHOR BOLTS

Anchor bolts conform to ASTM F1554 Grade-55 standards. Bolts have an "L" bend at one end and a minimum of 12" galvanized threads on the other end. Two galvanized flat washers per ASTM F436 and two galvanized hexagonal nuts per ASTM A563 Grade DH are provided with each bolt.

## ANCHOR BASE

The base plate is fabricated from ASTM A240 stainless steel. The base is fabricated with slotted bolt holes to allow for a +/- 0.5" variance in listed nominal bolt circle size. The base plate telescopes the pole shaft and is circumferentially welded top and bottom.

## HIGH BASE

Each pole assembly is fashioned with a Millerbernd Manufacturing Company High Base. The base is fabricated from the same material as the pole shaft and stands 27 inches tall. The pole shaft is slip fitted and welded to the base.

## DIRECT-EMBEDDED BASE

Each pole assembly is fashioned with a direct embedded base. The base extends below the ground line and is fitted with a 1 inch coupling located 2' below the ground line for wire entrance.

## SHAFT

The pole shaft conforms to ASTM A240 Grade 201LN stainless steel standards.

## HANDHOLE

A reinforced handhole with cover, grounding lug, and hardware is provided with each pole assembly. Pole assemblies fabricated with a High-Base are provided with a flush mounted handhole with cover, grounding lug, and hardware.

## ARMS

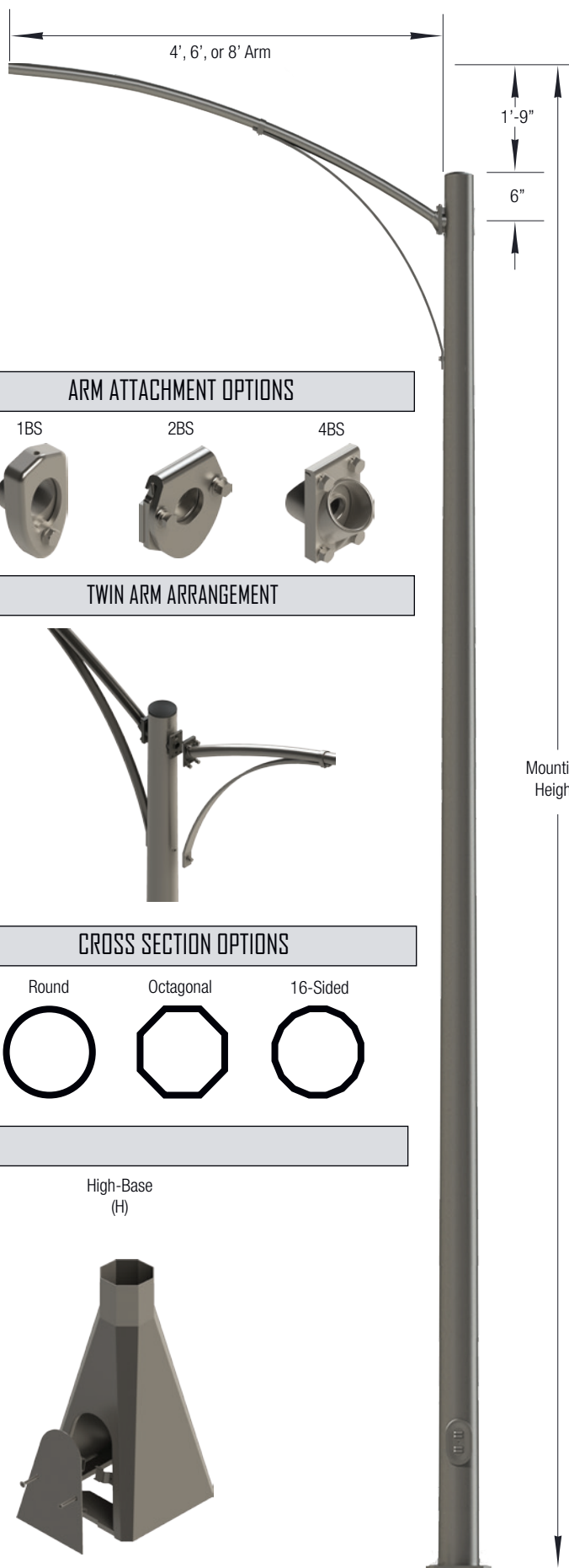
SP3 arms are fabricated from 2" (2.38" O.D.) schedule 40 pipe. Each SP3 arm attaches to the pole shaft with a cast steel, mating 4-bolt simplex bracket (optional cast steel, mating 1-bolt (1BS) or 2-bolt (2BS) simplex brackets are available. SP3 arms have a rise of 1 foot from the pole top.

## FINISHING

Stainless steel poles may be specified as frost (rust resistant stainless steel shot blast) finished or finish painted with our standard Millerbond Wet Coat Finish.

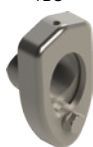
## HARDWARE

All hardware and fasteners are supplied with each pole assembly. All structural fasteners are 18-8 stainless steel.



### ARM ATTACHMENT OPTIONS

1BS



2BS



4BS



### TWIN ARM ARRANGEMENT



### CROSS SECTION OPTIONS

Round



Octagonal

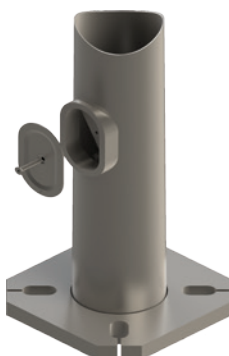


16-Sided

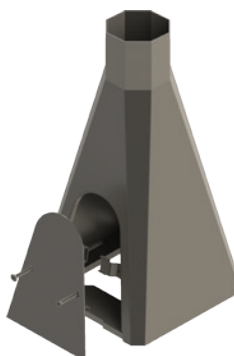


### BASE OPTIONS

Anchor Base  
(A)



High-Base  
(H)





## ANCHOR BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE +/- 0.5 (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
SP3-081-A-068-E-200	20	8	126	6.8	3.95	10	10	3.2	2.79	2.4	2.04	1.71	1.42	1.16
SP3-081-A-070-E-250	25	8	145	7	3.5	10	10	3.11	2.7	2.3	1.94	1.61	1.33	1.08
SP3-081-A-080-E-300	30	8	185	8	3.8	11	11	3.04	2.62	2.22	1.86	1.54	1.26	0.94
SP3-081-A-085-E-350	35	8	215	8.5	3.6	11.5	11.5	2.98	2.55	2.16	1.66	0.96		
SP3-081-A-085-F-350	35	8	295	8.5	3.6	11.5	11.5	2.98	2.55	2.16	1.79	1.48	1.2	0.96
SP3-081-A-095-E-400	40	8	265	9.5	3.9	12.5	12.5	2.92	2.5	2.1	1.29	0.56		
SP3-081-A-095-F-400	40	8	366	9.5	3.9	12.5	12.5	2.92	2.5	2.1	1.74	1.42	1.15	0.92
SP3-081-A-105-E-500	50	8	335	10.5	3.5	13.5	13.5	2.51	0.9					
SP3-081-A-105-F-500	50	8	468	10.5	3.5	13.5	13.5	2.83	2.4	2	1.64	1.33	1.07	0.84

## HIGH-BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
SP3-081-H-067-E-200	20	8	119	6.7	4	15	15	3.2	2.79	2.4	2.04	1.71	1.42	1.16
SP3-081-H-067-E-250	25	8	139	6.7	4	15	15	3.11	2.7	2.3	1.93	0.97		
SP3-081-H-081-E-300	30	8	178	8.1	4	15	15	3.04	2.62	2.22	1.51			
SP3-081-H-094-E-350	35	8	201	9.4	4	15	15	2.98	2.55	2.16	1.79	1.19		
SP3-081-H-094-F-350	35	8	305	9.4	4	15	15	2.98	2.55	2.16	1.79	1.48	1.2	0.96
SP3-081-H-094-E-400	40	8	240	9.4	4	15	15	2.92	2.78	1.2				
SP3-081-H-094-F-400	40	8	343	9.4	4	15	15	2.92	2.5	2.1	1.74	1.42	1.15	0.92
SP3-081-H-105-E-500	50	8	310	10.5	4	17	17	1.71						
SP3-081-H-105-F-500	50	8	451	10.5	4	17	17	2.83	2.4	2	1.64	1.03		

1. Variations from above sizes are available. Consult factory for allowable weight and EPA ratings for custom sizes.
2. Charts are for single arm configurations only. Consult factory for allowable weight and EPA ratings on twin arm arrangements.
3. Charted weights include the base, pole shaft, and luminaire mounting arm.
4. Unless specified otherwise, luminaire mounting arms attach to the pole shaft with a 4-bolt simplex bracket. To specify a different bracket, insert the bracket part number under options.
5. All multi-sided stainless steel poles with a mounting height of 35 feet or more are 16-sided.
6. Stainless steel structures with a round cross section must be finish painted with our Millerbond wet coat finish.
7. Stainless steel break-away High-Base option available. For a break-away High-Base, insert "BKB" as an option.
8. The "Base O.D." measurement for direct-embedded structures is taken at the ground line.

SP3 -	-	-	-	-	-	-	-	-
Design	Arm Span	Base Style	Base Diameter	Wall Thickness	Mounting Height	Cross-Section	Finish	Options
	041 = 4' 061 = 6' 081 = 8'	A = Anchor H = High	Base diameter is identified with one decimal place to identify diameter in inches. (e.g. 094 = 9.4")	E = 14 GA F = 12 GA	Mounting height is identified with one decimal place to identify height in feet. (e.g. 255=25.5')	R = Round H = 8-Sided W = 16-Sided	FR = Frost (Stainless Steel only) FP = Finish Paint	Insert Part Number for options, separated by "-"



## ST1 (TRUSS ARM) CARBON STEEL

### ANCHOR BOLTS

Anchor bolts conform to ASTM F1554 Grade-55 standards. Bolts have an "L" bend at one end and a minimum of 12" galvanized threads on the other end. Two galvanized flat washers per ASTM F436 and two galvanized hexagonal nuts per ASTM A563 Grade DH are provided with each bolt.

### ANCHOR BASE

The base plate is fabricated from ASTM A36 carbon steel. The base is fabricated with slotted bolt holes to allow for a +/- 0.5" variance in listed nominal bolt circle size. The base plate telescopes the pole shaft and is circumferentially welded top and bottom.

### HIGH BASE

Each pole assembly is fashioned with a Millerbernd Manufacturing Company High Base. The base is fabricated from the same material as the pole shaft and stands 27 inches tall. The pole shaft is slip fitted and welded to the base.

### SHAFT

The pole shaft conforms to ASTM A1011 Grade 50 carbon steel standards.

### HANDHOLE

A reinforced handhole with cover, grounding lug, and hardware is provided with each pole assembly. Pole assemblies fabricated with a High-Base are provided with a flush mounted handhole with cover, grounding lug, and hardware.

### ARMS

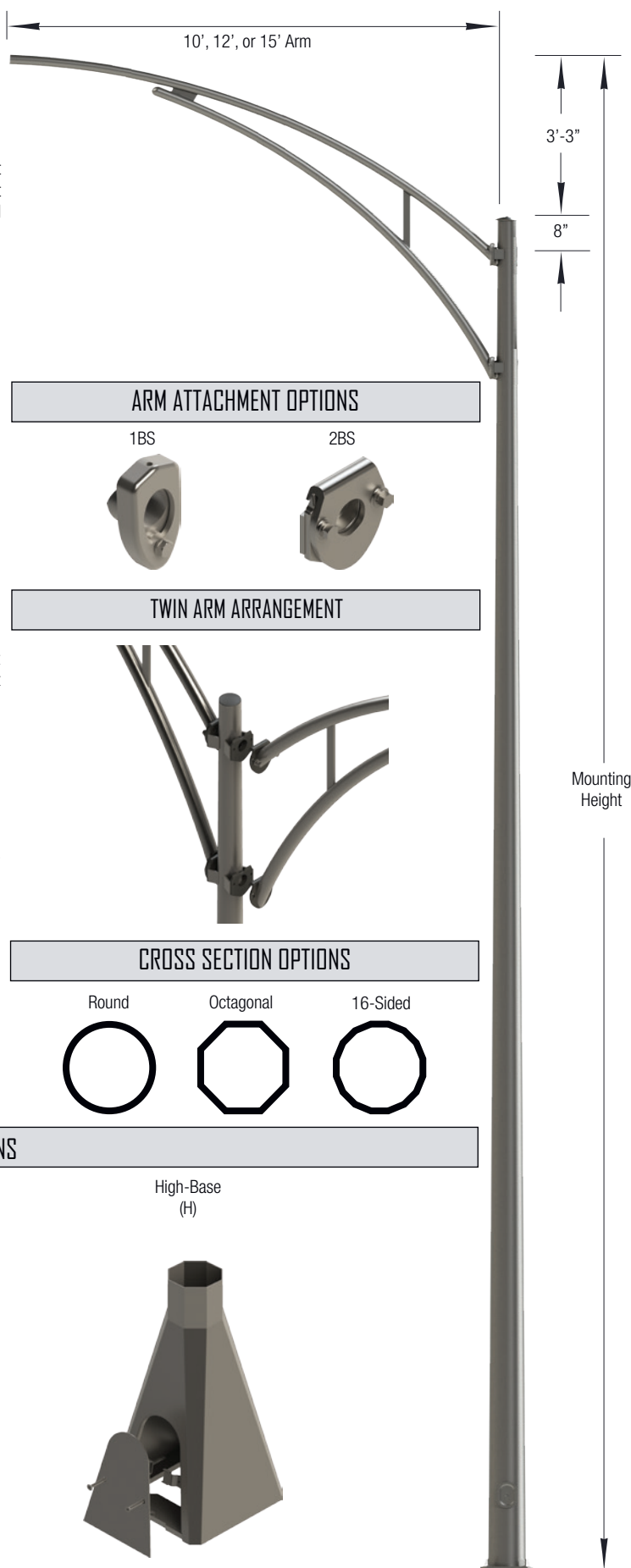
ST1 arms are fabricated from 2" (2.38" O.D.) schedule 40 pipe with a supporting brace fabricated from ASTM A36 carbon steel plate. Each ST1 arm attaches to the pole shaft with a cast steel, mating 2-bolt simplex bracket (an optional cast steel, mating 1-bolt (1BS) simplex bracket is available. ST1 arms have a rise of 3 feet and 3 inches from the pole top and have a gradual, consistent upsweep throughout the entirety of the arm.

### FINISHING

Carbon steel poles may be specified as hot-dip galvanized per ASTM A123 and/or finish painted with our standard Millerbond Wet Coat Finish.

### HARDWARE

All hardware and fasteners are supplied with each pole assembly. All structural fasteners are galvanized high-strength carbon steel.





## ANCHOR BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE +/- 0.5 (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
ST1-151-A-075-A-250	25	15	279	7	3.96	10	10	2.67	2.67	2.04	1.49	1.01	0.6	
ST1-151-A-075-A-300	30	15	322	7.5	3.76	10.5	10.5	1.87	1.87	1.87	1.37	0.9	0.5	
ST1-151-A-080-A-300	30	15	342	8	4.26	11	11	3.13	2.54	1.91	1.37	0.9	0.5	
ST1-151-A-080-A-350	35	15	366	8	3.56	11	11	1.28	1.28	1.28	1.28	0.81		
ST1-151-A-085-A-350	35	15	389	8.5	4.06	11.5	11.5	2.37	2.37	1.81	1.27	0.81		
ST1-151-A-090-A-350	35	15	416	9	4.56	12.5	12.5	3.12	2.43	1.81	1.27	0.81		
ST1-151-A-090-A-400	40	15	443	9	3.86	12.5	12.5	1.77	1.77	1.72	1.19	0.73		
ST1-151-A-095-A-400	40	15	470	9.5	4.39	13	13	2.91	2.34	1.72	1.19	0.73		
ST1-151-A-105-A-500	50	15	582	10.5	3.95	14	14	1.78	1.78	1.57	1.05			

## HIGH-BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
ST1-151-H-070-A-250	25	15	226	7	4	15	15	2.64	2.64	2.04	1.49	1.01	0.6	
ST1-151-H-086-A-300	30	15	304	8.6	4	15	15	2.87	2.54	1.91	1.37	0.9	0.5	
ST1-151-H-096-A-350	35	15	331	9.6	4	15	15	2.69	2.43	1.81	1.27	0.81		
ST1-151-H-096-A-400	40	15	403	9.6	4	15	15	2.05	2.05	1.72	1.19	0.54		
ST1-151-H-106-A-500	50	15	549	10.6	4	15	15	1.6	1.6	0.69				

1. Variations from above sizes are available. Consult factory for allowable weight and EPA ratings for custom sizes.
2. Charts are for single arm configurations only. Consult factory for allowable weight and EPA ratings on twin arm arrangements.
3. Charted weights include the base, pole shaft, and luminaire mounting arm.
4. Unless specified otherwise, luminaire mounting arms attach to the pole shaft with a 4-bolt simplex bracket. To specify a different bracket, insert the bracket part number under options.
5. The "Base O.D." measurement for direct-embedded structures is taken at the ground line.

ST1 -	-	-	-	-	-	-	-	-
Design	Arm Span	Base Style	Base Diameter	Wall Thickness	Mounting Height	Cross-Section	Finish	Options
	101 = 10' 121 = 12' 151 = 15'	A = Anchor H = High	Base diameter is identified with one decimal place to identify diameter in inches. (e.g. 094 = 9.4")	A = 11 GA B = 7 GA C = 3/16" D = 1/4 "	Mounting height is identified with one decimal place to identify height in feet. (e.g. 255=25.5')	R = Round H = 8-Sided W = 16-Sided	GV = Hot Dip-Galvanize FP = Finish Paint GP = Paint Over Galvanize	Insert Part Number for options, separated by "-"



## ST1 (TRUSS ARM) STAINLESS STEEL

### ANCHOR BOLTS

Anchor bolts conform to ASTM F1554 Grade-55 standards. Bolts have an "L" bend at one end and a minimum of 12" galvanized threads on the other end. Two galvanized flat washers per ASTM F436 and two galvanized hexagonal nuts per ASTM A563 Grade DH are provided with each bolt.

### ANCHOR BASE

The base plate is fabricated from ASTM A240 stainless steel. The base is fabricated with slotted bolt holes to allow for a +/- 0.5" variance in listed nominal bolt circle size. The base plate telescopes the pole shaft and is circumferentially welded top and bottom.

### HIGH BASE

Each pole assembly is fashioned with a Millerbernd Manufacturing Company High Base. The base is fabricated from the same material as the pole shaft and stands 27 inches tall. The pole shaft is slip fitted and welded to the base.

### SHAFT

The pole shaft conforms to ASTM A240 Grade 201LN stainless steel standards.

### HANDHOLE

A reinforced handhole with cover, grounding lug, and hardware is provided with each pole assembly. Pole assemblies fabricated with a High-Base are provided with a flush mounted handhole with cover, grounding lug, and hardware.

### ARMS

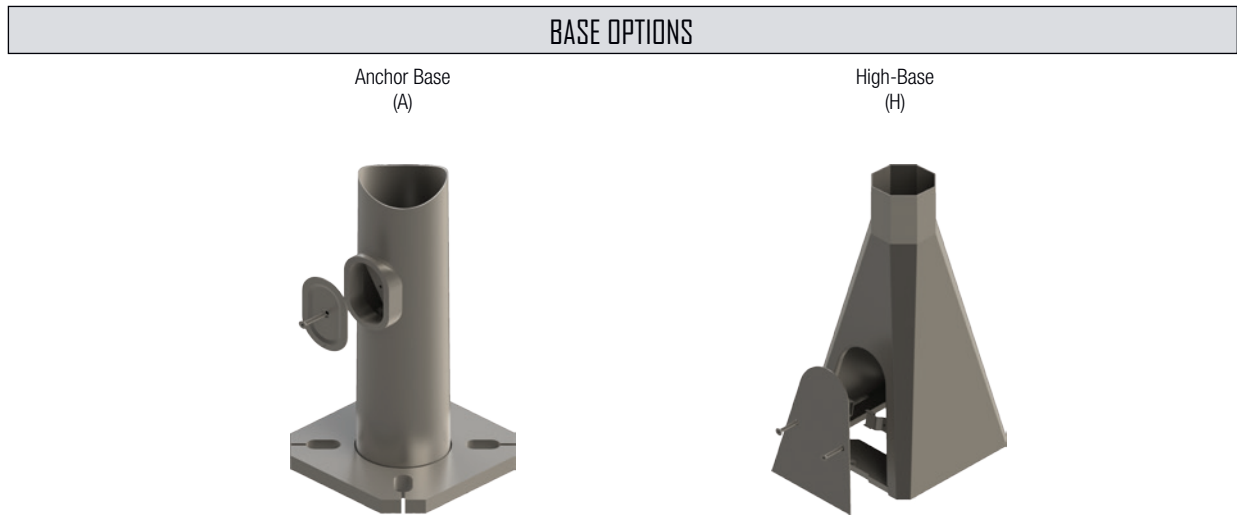
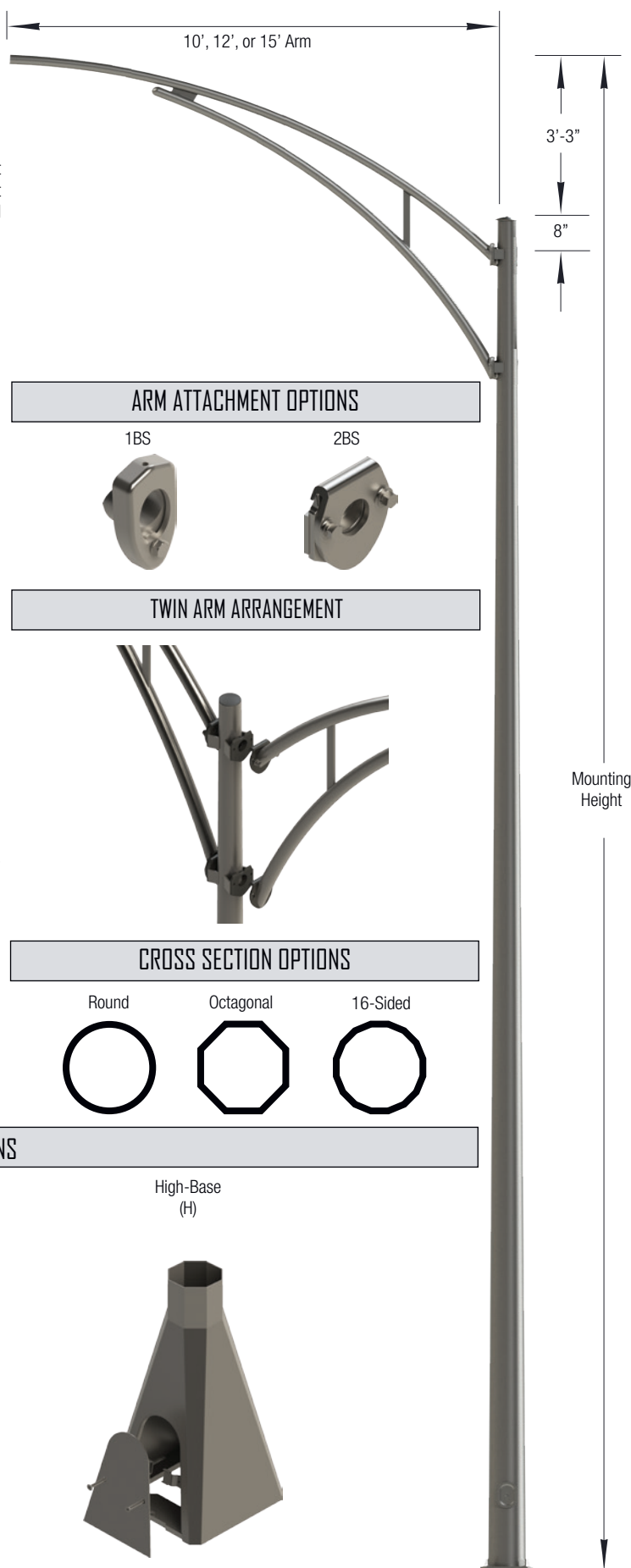
ST1 arms are fabricated from 2" (2.38" O.D.) schedule 40 pipe with a supporting brace fabricated from ASTM A240 carbon steel plate. Each ST1 arm attaches to the pole shaft with a cast steel, mating 2-bolt simplex bracket (an optional cast steel, mating 1-bolt (1BS) simplex bracket is available. ST1 arms have a rise of 3 feet and 3 inches from the pole top and have a gradual, consistent upsweep throughout the entirety of the arm.

### FINISHING

Stainless steel poles may be specified as frost (rust resistant stainless steel shot blast) finished or finish painted with our standard Millerbond Wet Coat Finish.

### HARDWARE

All hardware and fasteners are supplied with each pole assembly. All structural fasteners are 18-8 stainless steel.







## ANCHOR BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE +/- 0.5 (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
ST1-101-A-070-E-250	25	10	170	7	3.96	10	10	2.86	2.68	2.11	1.62	0.99		
ST1-101-A-075-E-300	30	10	197	7.5	3.76	10.5	10.5	3.29	2.68	2.11	1.62	1.19	0.83	
ST1-101-A-080-E-300	30	10	210	8	4.26	11	11	3.18	2.56	2	1.31			
ST1-101-A-080-E-350	35	10	225	8	3.56	11	11	1.56	1.28					
ST1-101-A-085-E-350	35	10	240	8.5	4.06	11.5	11.5	2.57	2.23	0.86				
ST1-101-A-090-E-350	35	10	259	9	4.56	12.5	12.5	3.09	2.47	1.91	0.79			
ST1-101-A-090-F-350	35	10	342	9	4.56	12.5	12.5	3.09	2.47	1.91	1.43	1.01	0.67	
ST1-101-A-090-E-400	40	10	275	9	3.86	12.5	12.5	2.01	0.76					
ST1-101-A-095-E-400	40	10	293	9.5	4.36	13	13	3	1.74					
ST1-101-A-095-F-400	40	10	391	9.5	4.36	13	13	3	2.38	1.86	1.35	0.95	0.6	
ST1-101-A-105-F-500	50	10	526	10.5	3.95	14	14	2.31	2.24	1.7	1.24			

## HIGH-BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
ST1-101-H-067-E-250	25	10	149	6.7	4	15	15	2.98	2.68	2.11	1.61	0.63		
ST1-101-H-081-E-300	30	10	187	8.1	4	15	15	3.16	2.56	2	1.43			
ST1-101-H-094-E-350	35	10	210	9.4	4	15	15	3.09	2.47	1.91	0.77			
ST1-101-H-094-F-350	35	10	321	9.4	4	15	15	3.09	2.47	1.91	1.43	1.01	0.67	
ST1-101-H-094-E-400	40	10	248	9.4	4	15	15	2.52	1.24					
ST1-101-H-094-F-400	40	10	359	9.4	4	15	15	3	2.38	1.83	1.35	0.95	0.6	
ST1-101-H-105-F-500	50	10	482	10.5	4	17	17	2.87	2.24	1.7	0.79			

1. Variations from above sizes are available. Consult factory for allowable weight and EPA ratings for custom sizes.
2. Charts are for single arm configurations only. Consult factory for allowable weight and EPA ratings on twin arm arrangements.
3. Charted weights include the base, pole shaft, and luminaire mounting arm.
4. Unless specified otherwise, luminaire mounting arms attach to the pole shaft with a 4-bolt simplex bracket. To specify a different bracket, insert the bracket part number under options.
5. All multi-sided stainless steel poles with a mounting height of 35 feet or more are 16-sided.
6. Stainless steel structures with a round cross section must be finish painted with our Millerbond wet coat finish.
7. Stainless steel break-away High-Base option available. For a break-away High-Base, insert "BKB" as an option.
8. The "Base O.D." measurement for direct-embedded structures is taken at the ground line.

ST1 -	-	-	-	-	-	-	-	-
Design	Arm Span	Base Style	Base Diameter	Wall Thickness	Mounting Height	Cross-Section	Finish	Options
	101 = 10'	A = Anchor H = High	Base diameter is identified with one decimal place to identify diameter in inches. (e.g. 094 = 9.4")	E = 14 GA F = 12 GA	Mounting height is identified with one decimal place to identify height in feet. (e.g. 255=25.5')	R = Round H = 8-Sided W = 16-Sided	FR = Frost (Stainless Steel only) FP = Finish Paint	Insert Part Number for options, separated by "-"



## ST2 (TRUSS ARM) CARBON STEEL

### ANCHOR BOLTS

Anchor bolts conform to ASTM F1554 Grade-55 standards. Bolts have an "L" bend at one end and a minimum of 12" galvanized threads on the other end. Two galvanized flat washers per ASTM F436 and two galvanized hexagonal nuts per ASTM A563 Grade DH are provided with each bolt.

### ANCHOR BASE

The base plate is fabricated from ASTM A36 carbon steel. The base is fabricated with slotted bolt holes to allow for a +/- 0.5" variance in listed nominal bolt circle size. The base plate telescopes the pole shaft and is circumferentially welded top and bottom.

### HIGH BASE

Each pole assembly is fashioned with a Millerbernd Manufacturing Company High Base. The base is fabricated from the same material as the pole shaft and stands 27 inches tall. The pole shaft is slip fitted and welded to the base.

### SHAFT

The pole shaft conforms to ASTM A1011 Grade 50 carbon steel standards.

### HANDHOLE

A reinforced handhole with cover, grounding lug, and hardware is provided with each pole assembly. Pole assemblies fabricated with a High-Base are provided with a flush mounted handhole with cover, grounding lug, and hardware.

### ARMS

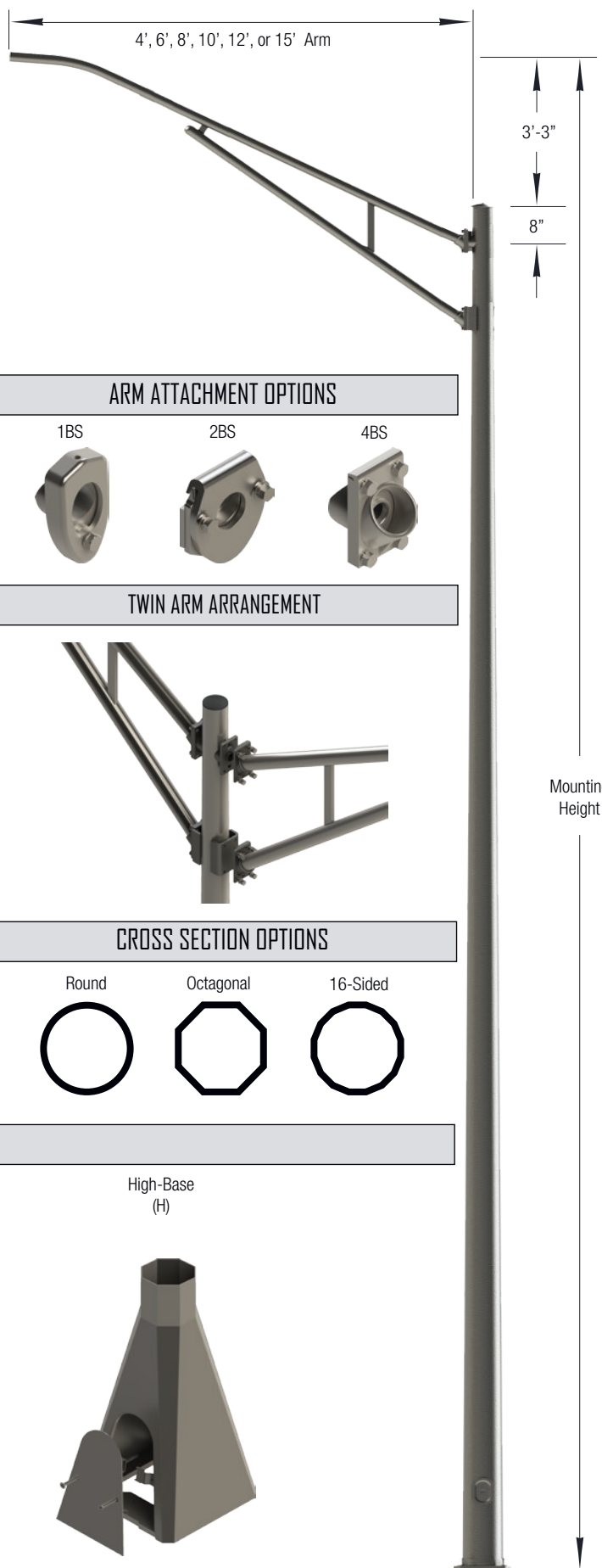
ST2 arms are fabricated from 2" (2.38" O.D.) schedule 40 pipe with a supporting brace fabricated from ASTM A36 carbon steel plate. Each ST2 arm attaches to the pole shaft with a cast steel, mating 4-bolt simplex bracket (optional cast steel, mating 1-bolt (1BS) or 2-bolt (2BS) simplex brackets are available. ST2 arms have a rise of 3 feet and 3 inches from the pole top.

### FINISHING

Carbon steel poles may be specified as hot-dip galvanized per ASTM A123 and/or finish painted with our standard Millerbond Wet Coat Finish.

### HARDWARE

All hardware and fasteners are supplied with each pole assembly. All structural fasteners are galvanized high-strength carbon steel.





## ANCHOR BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE +/- 0.5 (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
ST2-081-A-070-A-250	25	8	233	7	3.96	10	10	7.35	7.35	6.71	5.72	4.86	4.12	3.49
ST2-081-A-075-A-300	30	8	276	7.5	3.76	10.5	10.5	5.84	5.84	5.84	5.51	4.66	3.94	3.33
ST2-081-A-080-A-300	30	8	296	8	4.26	11	11	8.22	7.6	6.48	5.51	4.66	3.94	3.33
ST2-081-A-080-A-350	35	8	320	8	3.56	11	11	4.73	4.73	4.73	4.73	4.5	3.4	2.43
ST2-081-A-085-A-350	35	8	343	8.5	4.06	11.5	11.5	6.78	6.78	6.3	5.33	4.5	3.79	3.2
ST2-081-A-090-A-350	35	8	370	9	4.56	12.5	12.5	8.63	7.41	6.3	5.33	4.5	3.79	3.2
ST2-081-A-090-A-400	40	8	397	9	3.86	12.5	12.5	5.65	5.65	5.65	5.18	4.36	3.61	2.53
ST2-081-A-095-A-400	40	8	424	9.5	4.36	13	13	7.8	7.24	6.14	5.18	4.36	3.67	3.08
ST2-081-A-100-A-500	50	8	502	10	3.45	13.5	13.5	3.94	3.94	3.94	2.79	1.58	0.64	
ST2-151-A-070-A-250	25	15	279	7	3.96	10	10	2.67	2.67	2.04	1.49	1.01	0.6	
ST2-151-A-075-A-300	30	15	322	7.5	3.76	10.5	10.5	1.87	1.87	1.87	1.37	0.9	0.5	
ST2-151-A-080-A-300	30	15	342	8	4.26	11	11	3.13	2.54	1.91	1.37	0.9	0.5	
ST2-151-A-080-A-350	35	15	366	8	3.56	11	11	1.28	1.25	1.28	1.28	0.81		
ST2-151-A-085-A-350	35	15	389	8.5	4.06	11.5	11.5	2.37	2.37	1.81	1.27	0.81		
ST2-151-A-090-A-350	35	15	416	9	4.56	12.5	12.5	3.12	2.43	1.81	1.27	0.81		
ST2-151-A-090-A-400	40	15	443	9	3.86	12.5	12.5	1.77	1.77	1.72	1.19	0.73		
ST2-151-A-095-A-400	40	15	470	9.5	4.36	13	13	2.91	2.34	1.72	1.19	0.73		
ST2-151-A-105-A-500	50	15	582	10.5	3.95	14	14	1.78	1.78	1.57	1.05			

## HIGH-BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
ST2-081-H-070-A-250	25	8	226	7	4	15	15	7.29	7.29	6.71	5.72	4.86	4.07	2.88
ST2-081-H-086-A-300	30	8	304	8.6	4	15	15	7.72	7.6	6.48	5.51	4.66	3.94	3.31
ST2-081-H-096-A-350	35	8	331	9.6	4	15	15	7.38	7.38	6.3	5.33	4.5	3.83	2.29
ST2-081-H-096-A-400	40	8	403	9.6	4	15	15	6.18	6.18	6.14	4.49	2.48	0.86	
ST2-081-H-106-A-500	50	8	480	10.6	4	15	15	5.35	5.35	2.7				
ST2-151-H-070-A-250	25	15	272	7	4	15	15	2.64	2.64	2.04	1.49	1.01	0.6	
ST2-151-H-086-A-300	30	15	350	8.6	4	15	15	2.87	2.54	1.91	1.37	0.9	0.5	
ST1-151-H-086-A-350	35	15	377	9.6	4	15	15	2.69	2.43	1.81	1.27	0.81		
ST1-151-H-096-A-400	40	15	449	9.6	4	15	15	2.05	2.05	1.72	1.19	0.54		
ST1-151-H-106-A-500	50	15	558	10.6	4	15	15	1.6	1.6	0.69				

1. Variations from above sizes are available. Consult factory for allowable weight and EPA ratings for custom sizes.
2. Charts are for single arm configurations only. Consult factory for allowable weight and EPA ratings on twin arm arrangements.
3. Charted weights include the base, pole shaft, and luminaire mounting arm.
4. Unless specified otherwise, luminaire mounting arms attach to the pole shaft with a 4-bolt simplex bracket. To specify a different bracket, insert the bracket part number under options.
5. The "Base O.D." measurement for direct-embedded structures is taken at the ground line.

ST2 -	-	-	-	-	-	-	-	-
Design	Arm Span	Base Style	Base Diameter	Wall Thickness	Mounting Height	Cross-Section	Finish	Options
	041 = 4' 061 = 6' 081 = 8' 101 = 10' 121 = 12' 151 = 15'	A = Anchor H = High	Base diameter is identified with one decimal place to identify diameter in inches. (e.g. 094 = 9.4")	A = 11 GA B = 7 GA C = 3/16" D = 1/4 "	Mounting height is identified with one decimal place to identify height in feet. (e.g. 255=25.5')	R = Round H = 8-Sided W = 16-Sided	GV =Hot Dip-Galvanize FP = Finish Paint GP = Paint Over Galvanize	Insert Part Number for options, separated by "-"



## ST2 (TRUSS ARM) STAINLESS STEEL

### ANCHOR BOLTS

Anchor bolts conform to ASTM F1554 Grade-55 standards. Bolts have an "L" bend at one end and a minimum of 12" galvanized threads on the other end. Two galvanized flat washers per ASTM F436 and two galvanized hexagonal nuts per ASTM A563 Grade DH are provided with each bolt.

### ANCHOR BASE

The base plate is fabricated from ASTM A240 stainless steel. The base is fabricated with slotted bolt holes to allow for a +/- 0.5" variance in listed nominal bolt circle size. The base plate telescopes the pole shaft and is circumferentially welded top and bottom.

### HIGH BASE

Each pole assembly is fashioned with a Millerbernd Manufacturing Company High Base. The base is fabricated from the same material as the pole shaft and stands 27 inches tall. The pole shaft is slip fitted and welded to the base.

### SHAFT

The pole shaft conforms to ASTM A240 Grade 201LN stainless steel standards.

### HANDHOLE

A reinforced handhole with cover, grounding lug, and hardware is provided with each pole assembly. Pole assemblies fabricated with a High-Base are provided with a flush mounted handhole with cover, grounding lug, and hardware.

### ARMS

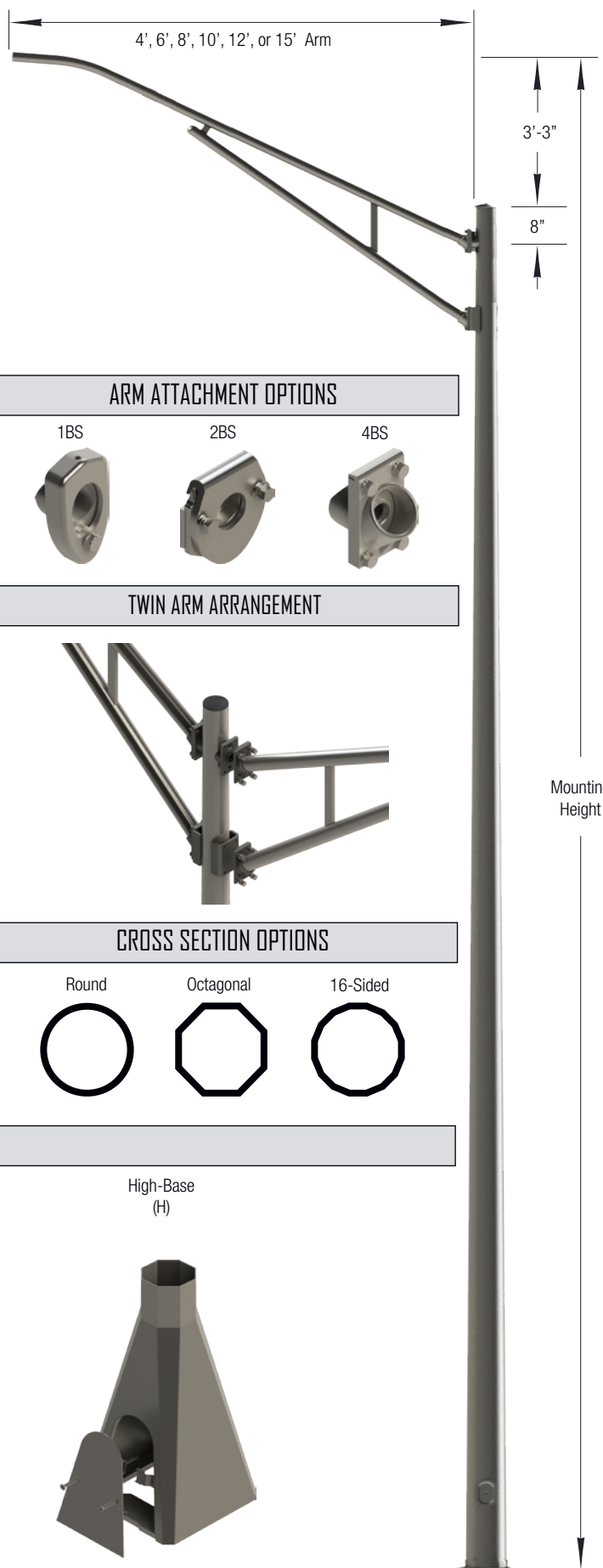
ST2 arms are fabricated from 2" (2.38" O.D.) schedule 40 pipe with a supporting brace fabricated from ASTM A201L stainless steel plate. Each ST2 arm attaches to the pole shaft with a cast steel, mating 4-bolt simplex bracket (optional cast steel, mating 1-bolt (1BS) or 2-bolt (2BS) simplex brackets are available. ST2 arms have a rise of 3 feet and 3 inches from the pole top.

### FINISHING

Stainless steel poles may be specified as frost (rust resistant stainless steel shot blast) finished or finish painted with our standard Millerbond Wet Coat Finish.

### HARDWARE

All hardware and fasteners are supplied with each pole assembly. All structural fasteners are 18-8 stainless steel.





## ANCHOR BASE

## STREET & AREA LIGHTING

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE +/- 0.5 (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
ST2-081-A-070-E-250	25	8	158	7	3.96	10	10	4.22	4.19	4.01	2.8	1.88	1.14	0.54
ST2-081-A-075-E-300	30	8	184	7.5	3.76	10.5	10.5	3.3	3.3	2.29	1.24			
ST2-081-A-080-E-300	30	8	198	8	4.26	11	11	4.75	4.05	3.36	2.22	1.32	0.6	
ST2-081-A-085-E-350	35	8	228	8.5	4.06	11.5	11.5	3.86	3.16	1.77	0.81			
ST2-081-A-090-E-350	35	8	247	9	4.56	12.5	12.5	4.68	3.94	2.84	1.71	0.81		
ST2-081-A-090-F-350	35	8	330	9	4.56	12.5	12.5	4.68	3.94	3.26	2.68	2.17	1.75	1.39
ST2-081-A-090-E-400	40	8	263	9	3.86	12.5	12.5	3.17	1.69					
ST2-081-A-095-E-400	40	8	281	9.5	4.36	13	13	4.49	2.67	1.38				
ST2-081-A-095-F-400	40	8	378	9.5	4.36	13	13	4.58	3.84	3.17	2.58	2.09	1.67	1.32
ST2-081-A-100-F-500	50	8	468	10	3.45	13.5	13.5	3.55	3.55	3.01	2.18	1.02		
ST2-101-A-070-E-250	25	10	170	7	3.96	10	10	2.86	2.68	2.11	1.62	0.99		
ST2-101-A-075-E-300	30	10	197	7.5	3.76	10.5	10.5	3.29	2.68	2.11	1.62	1.19	0.83	
ST2-101-A-080-E-300	30	10	210	8	4.26	11	11	3.18	2.56	2	1.31			
ST2-101-A-085-E-350	35	10	240	8.5	4.06	11.5	11.5	2.57	2.23	0.86				
ST2-101-A-090-E-350	35	10	259	9	4.56	12.5	12.5	3.09	2.47	1.91	0.79			
ST2-101-A-090-F-350	35	10	342	9	4.56	12.5	12.5	3.09	2.47	1.91	1.43	1.01	0.67	
ST2-101-A-090-E-400	40	10	275	9	3.86	12.5	12.5	2.01	0.76					
ST2-101-A-095-E-400	40	10	293	9.5	4.36	13	13	3	1.74					
ST2-101-A-095-F-400	40	10	391	9.5	4.36	13	13	3	2.38	1.86	1.35	0.95	0.6	
ST2-101-A-105-F-500	50	10	473	10.5	3.95	14	14	2.31	2.24	1.7	1.24			

## HIGH-BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
ST2-081-H-067-E-250	25	8	149	6.7	4	15	15	3.88	3.88	2.58	1.38			
ST2-081-H-081-E-300	30	8	187	8.1	4	15	15	4.09	3.95	2.31	0.94			
ST2-081-H-094-E-350	35	8	210	9.4	4	15	15	4.59	3.94	3.07	1.61			
ST2-081-H-094-F-350	35	8	316	9.4	4	15	15	4.68	3.94	3.26	2.68	2.17	1.75	1.39
ST2-081-H-094-E-400	40	8	248	9.4	4	15	15	3.8	2.11	0.5				
ST2-081-H-094-F-400	40	8	354	9.4	4	15	15	4.58	3.84	3.17	2.58	2.09	1.67	0.84
ST2-081-H-105-F-500	50	8	468	10.5	4	17	17	4.42	3.67	3.01	1.69			
ST2-101-H-067-E-250	25	10	162	6.7	4	15	15	2.98	2.68	2.11	1.61	0.63		
ST2-101-H-081-E-300	30	10	199	8.1	4	15	15	3.16	2.56	2	1.43			
ST2-101-H-094-E-350	35	10	223	9.4	4	15	15	3.09	2.47	1.91	0.77			
ST2-101-H-094-F-350	35	10	334	9.4	4	15	15	3.09	2.47	1.91	1.43	1.01	0.67	
ST2-101-H-094-E-400	40	10	261	9.4	4	15	15	2.52	1.24					
ST2-101-H-094-F-400	40	10	372	9.4	4	15	15	3	2.38	1.83	1.35	0.95	0.6	
ST2-101-H-105-F-500	50	10	482	10.5	4	17	17	2.87	2.24	1.7	0.79			

1. Variations from above sizes are available. Consult factory for allowable weight and EPA ratings for custom sizes.
2. Charts are for single arm configurations only. Consult factory for allowable weight and EPA ratings on twin arm arrangements.
3. Charted weights include the base, pole shaft, and luminaire mounting arm.
4. Unless specified otherwise, luminaire mounting arms attach to the pole shaft with a 4-bolt simplex bracket. To specify a different bracket, insert the bracket part number under options.
5. All multi-sided stainless steel poles with a mounting height of 35 feet or more are 16-sided.
6. Stainless steel structures with a round cross section must be finish painted with our Millerbond wet coat finish.
7. Stainless steel break-away High-Base option available. For a break-away High-Base, insert "BKB" as an option.
8. The "Base O.D." measurement for direct-embedded structures is taken at the ground line.

ST2 -	-	-	-	-	-	-	-	-
Design	Arm Span	Base Style	Base Diameter	Wall Thickness	Mounting Height	Cross-Section	Finish	Options
	041 = 4' 061 = 6' 081 = 8' 101 = 10'	A = Anchor H = High D = Direct Embed	Base diameter is identified with one decimal place to identify diameter in inches. (e.g. 094 = 9.4")	E = 14 GA F = 12 GA	Mounting height is identified with one decimal place to identify height in feet. (e.g. 255=25.5')	R = Round H = 8-Sided W = 16-Sided	FR = Frost (Stainless Steel only) FP = Finish Paint	Insert Part Number for options, seperated by "-"





# ST3 (TRUSS ARM) CARBON STEEL

## ANCHOR BOLTS

Anchor bolts conform to ASTM F1554 Grade-55 standards. Bolts have an "L" bend at one end and a minimum of 12" galvanized threads on the other end. Two galvanized flat washers per ASTM F436 and two galvanized hexagonal nuts per ASTM A563 Grade DH are provided with each bolt.

## ANCHOR BASE

The base plate is fabricated from ASTM A36 carbon steel. The base is fabricated with slotted bolt holes to allow for a +/- 0.5" variance in listed nominal bolt circle size. The base plate telescopes the pole shaft and is circumferentially welded top and bottom.

## HIGH BASE

Each pole assembly is fashioned with a Millerbernd Manufacturing Company High Base. The base is fabricated from the same material as the pole shaft and stands 27 inches tall. The pole shaft is slip fitted and welded to the base.

## SHAFT

The pole shaft conforms to ASTM A1011 Grade 50 carbon steel standards.

## HANDHOLE

A reinforced handhole with cover, grounding lug, and hardware is provided with each pole assembly. Pole assemblies fabricated with a High-Base are provided with a flush mounted handhole with cover, grounding lug, and hardware.

## ARMS

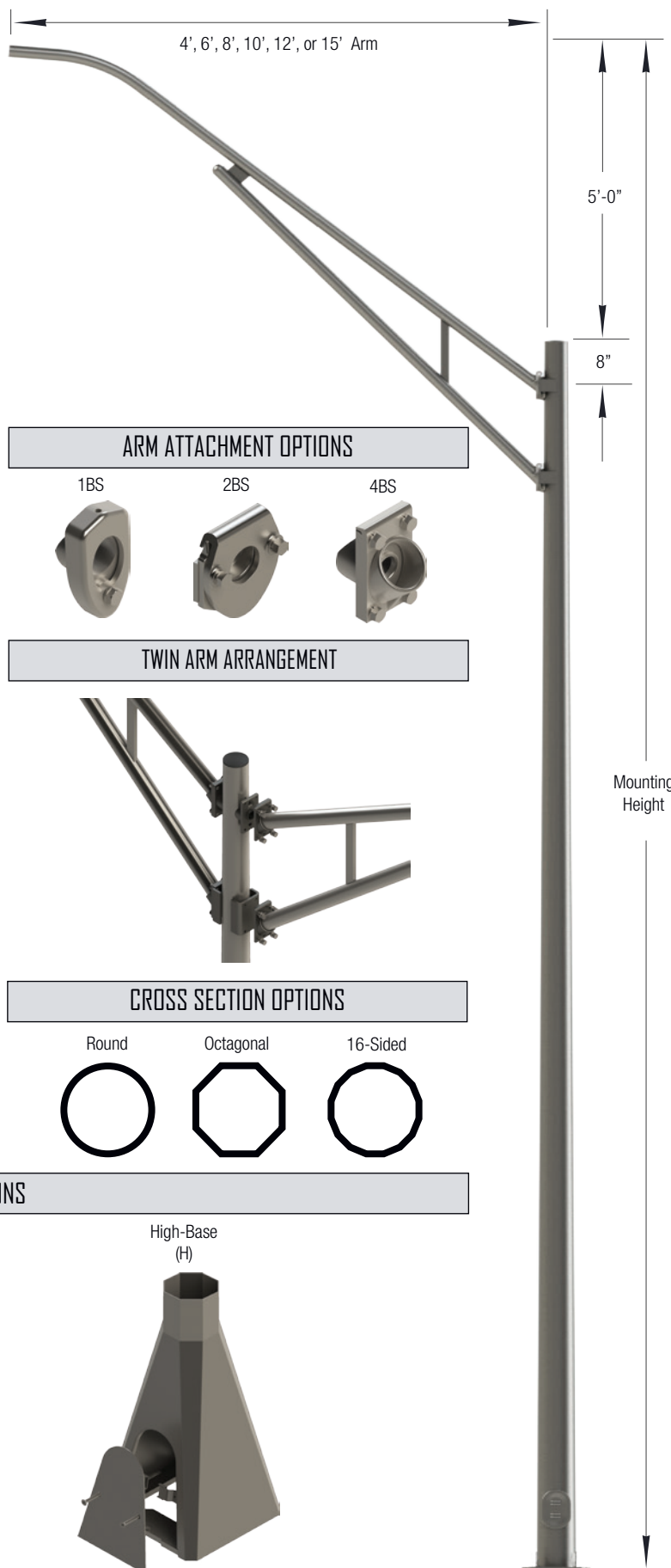
ST3 arms are fabricated from 2" (2.38" O.D.) schedule 40 pipe with a supporting brace fabricated from ASTM A36 carbon steel plate. Each ST3 arm attaches to the pole shaft with a cast steel, mating 4-bolt simplex bracket (optional cast steel, mating 1-bolt (1BS) or 2-bolt (2BS) simplex brackets are available. ST3 arms have a rise of 5 feet from the pole top.

## FINISHING

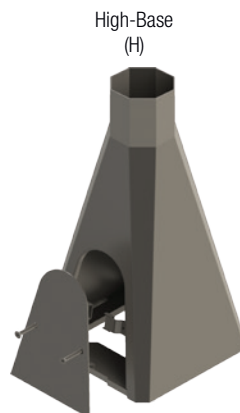
Carbon steel poles may be specified as hot-dip galvanized per ASTM A123 and/or finish painted with our standard Millerbond Wet Coat Finish.

## HARDWARE

All hardware and fasteners are supplied with each pole assembly. All structural fasteners are galvanized high-strength carbon steel.



## BASE OPTIONS





## ANCHOR BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE +/- 0.5 (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
ST3-081-A-065-A-250	25	8	217	6.5	3.7	9.5	9.5	6.18	6.18	6.18	5.51	4.65	3.91	3.28
ST3-081-A-070-A-250	25	8	232	7	4.2	10	10	8.84	7.63	6.51	5.51	4.65	3.91	3.28
ST3-081-A-070-A-300	30	8	256	7	3.5	10	10	4.77	4.77	4.77	4.77	4.45	3.32	2.39
ST3-081-A-075-A-300	30	8	275	7.5	4	10.5	10.5	6.99	6.99	6.28	5.3	4.45	3.73	3.12
ST3-081-A-080-A-350	35	8	301	8	3.8	11	11	5.64	5.64	5.64	5.12	4.29	3.54	2.53
ST3-081-A-085-A-350	35	8	342	8.5	4.3	11.5	11.5	7.93	7.21	6.1	5.12	4.29	3.58	2.98
ST3-081-A-085-A-400	40	8	312	8.5	3.6	11.5	11.5	4.61	4.61	4.61	4.61	3.63	2.5	1.56
ST3-081-A-090-A-400	40	8	326	9	4.1	12	12	6.61	6.61	5.93	4.97	4.15	3.43	2.39
ST3-081-A-100-A-500	50	8	503	10	3.7	13.5	13.5	4.65	4.65	4.55	2.95	1.74	0.75	
ST3-151-A-065-A-250	25	15	256	6.5	3.7	9.5	9.5	2.13	2.13	1.9	1.33	0.85		
ST3-151-A-070-A-250	25	15	271	7	4.2	10	10	3.25	2.54	1.9	1.33	0.85		
ST3-151-A-070-A-300	30	15	295	7	3.5	10	10	1.38	1.38	1.38	1.21	0.74		
ST3-151-A-075-A-300	30	15	314	7.5	4	10.5	10.5	2.56	2.41	1.77	1.21	0.74		
ST3-151-A-080-A-350	35	15	359	8	3.8	11	11	1.85	1.85	1.67	1.11	0.65		
ST3-151-A-085-A-350	35	15	381	8.5	4.3	11.5	11.5	3.02	2.3	1.67	1.11	0.65		
ST3-151-A-090-A-400	40	15	431	9	4.1	12	12	2.36	2.21	1.58	1.03	0.57		
ST3-151-A-100-A-500	50	15	542	10	3.7	13.5	13.5	1.32	1.32	1.32	0.8			

## HIGH-BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
ST3-081-H-070-A-250	25	8	225	7	4	15	15	7.94	7.63	6.51	5.51	4.65	3.91	3.2
ST3-081-H-086-A-300	30	8	301	8.6	4	15	15	8.23	7.4	6.28	5.3	4.45	3.73	3.12
ST3-081-H-096-A-350	35	8	330	9.6	4	15	15	7.75	7.21	6.1	5.12	4.29	3.58	2.71
ST3-081-H-096-A-400	40	8	339	9.6	4	15	15	6.41	6.41	5.93	4.71			
ST3-081-H-106-A-500	50	8	472	10.6	4	15	15	5.45	5.45	3.16	0.84			
ST3-151-H-070-A-250	25	15	264	7	4	15	15	3.08	2.54	1.9	1.33	0.85		
ST3-151-H-086-A-300	30	15	340	8.6	4	15	15	3.12	2.41	1.77	1.21	0.74		
ST3-151-H-096-A-350	35	15	369	9.6	4	15	15	2.97	2.3	1.67	1.11	0.65		
ST3-151-H-096-A-400	40	15	438	9.6	4	15	15	2.26	2.21	1.58	1.03	0.57		
ST3-151-H-106-A-500	50	15	554	10.6	4	15	15	1.74	1.74	1.15				

1. Variations from above sizes are available. Consult factory for allowable weight and EPA ratings for custom sizes.
2. Charts are for single arm configurations only. Consult factory for allowable weight and EPA ratings on twin arm arrangements.
3. Charted weights include the base, pole shaft, and luminaire mounting arm.
4. Unless specified otherwise, luminaire mounting arms attach to the pole shaft with a 4-bolt simplex bracket. To specify a different bracket, insert the bracket part number under options.
5. The "Base O.D." measurement for direct-embedded structures is taken at the ground line.

ST3 -	-	-	-	-	-	-	-	-
Design	Arm Span	Base Style	Base Diameter	Wall Thickness	Mounting Height	Cross-Section	Finish	Options
	041 = 4' 061 = 6' 081 = 8' 101 = 10' 121 = 12' 151 = 15'	A = Anchor H = High	Base diameter is identified with one decimal place to identify diameter in inches. (e.g. 094 = 9.4")	A = 11 GA B = 7 GA C = 3/16" D = 1/4 "	Mounting height is identified with one decimal place to identify height in feet. (e.g. 255=25.5')	R = Round H = 8-Sided W = 16-Sided	GV =Hot Dip-Galvanize FP = Finish Paint GP = Paint Over Galvanize	Insert Part Number for options, separated by "-"



# ST3 (TRUSS ARM) STAINLESS STEEL

## ANCHOR BOLTS

Anchor bolts conform to ASTM F1554 Grade-55 standards. Bolts have an "L" bend at one end and a minimum of 12" galvanized threads on the other end. Two galvanized flat washers per ASTM F436 and two galvanized hexagonal nuts per ASTM A563 Grade DH are provided with each bolt.

## ANCHOR BASE

The base plate is fabricated from ASTM A240 stainless steel. The base is fabricated with slotted bolt holes to allow for a +/- 0.5" variance in listed nominal bolt circle size. The base plate telescopes the pole shaft and is circumferentially welded top and bottom.

## HIGH BASE

Each pole assembly is fashioned with a Millerbernd Manufacturing Company High Base. The base is fabricated from the same material as the pole shaft and stands 27 inches tall. The pole shaft is slip fitted and welded to the base.

## SHAFT

The pole shaft conforms to ASTM A240 Grade 201LN stainless steel standards.

## HANDHOLE

A reinforced handhole with cover, grounding lug, and hardware is provided with each pole assembly. Pole assemblies fabricated with a High-Base are provided with a flush mounted handhole with cover, grounding lug, and hardware.

## ARMS

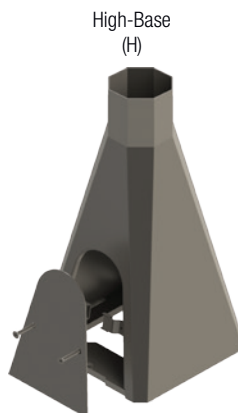
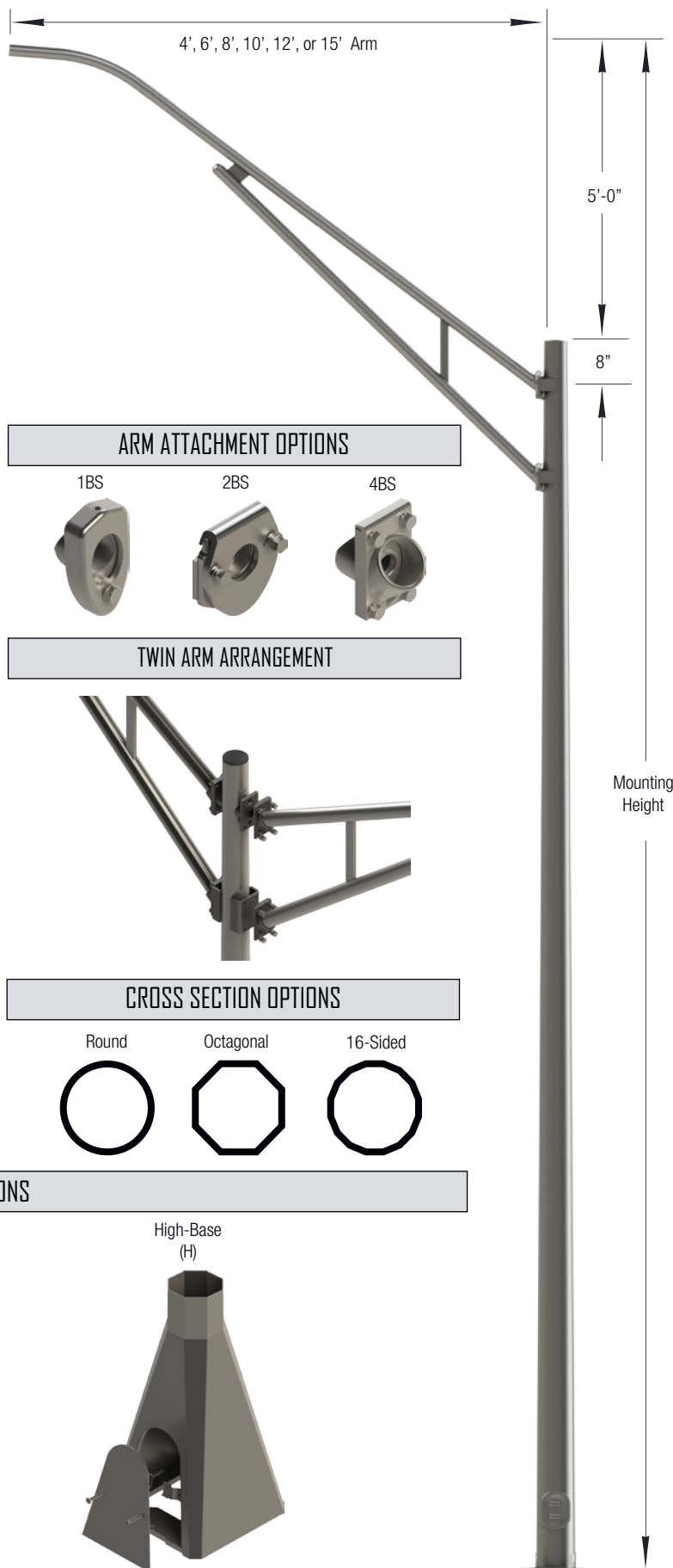
ST3 arms are fabricated from 2" (2.38" O.D.) schedule 40 pipe with a supporting brace fabricated from ASTM A240 stainless steel plate. Each ST3 arm attaches to the pole shaft with a cast steel, mating 4-bolt simplex bracket (optional cast steel, mating 1-bolt (1BS) or 2-bolt (2BS) simplex brackets are available. ST3 arms have a rise of 5 feet from the pole top.

## FINISHING

Stainless steel poles may be specified as frost (rust resistant stainless steel shot blast) finished or finish painted with our standard Millerbond Wet Coat Finish.

## HARDWARE

All hardware and fasteners are supplied with each pole assembly. All structural fasteners are 18-8 stainless steel.





## ANCHOR BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE +/- 0.5 (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
ST3-081-A-065-E-250	25	8	147	6.5	3.7	9.5	9.5	3.45	3.45	3.12	1.99	1.15		
ST3-081-A-070-E-250	25	8	158	7	4.2	10	10	4.73	3.99	3.31	3.02	2.05	1.28	0.64
ST3-081-A-070-E-300	30	8	172	7	3.5	10	10	2.58	2.58	1.58	0.58			
ST3-081-A-075-E-300	30	8	185	7.5	4	10.5	10.5	3.94	3.85	2.51	1.46	0.65		
ST3-081-A-080-E-350	35	8	213	8	3.8	11	11	3.11	2.4	1.08				
ST3-081-A-085-E-350	35	8	228	8.5	4.3	11.5	11.5	4.49	3.42	2.04	1.01			
ST3-081-A-085-F-350	35	8	301	8.5	4.3	11.5	11.5	4.49	3.74	3.06	2.47	1.96	1.53	1.17
ST3-081-A-090-E-400	40	8	246	9	4.1	12	12	3.7	1.92	0.66				
ST3-081-A-090-F-400	40	8	327	9	4.1	12	12	4.39	3.64	2.96	2.38	1.88	1.46	1.1
ST3-081-A-100-F-500	50	8	447	10	3.7	13.5	13.5	4.18	3.47	2.8	2.23	1.19		
ST3-101-A-065-E-250	25	10	153	6.5	3.7	9.5	9.5	2.43	2.43	2.19	1.56	0.74		
ST3-101-A-070-E-250	25	10	164	7	4.2	10	10	3.36	2.75	2.19	1.7	1.28	0.86	
ST3-101-A-070-E-300	30	10	178	7	3.5	10	10	1.73	1.73	1.14				
ST3-101-A-075-E-300	30	10	191	7.5	4	10.5	10.5	2.82	2.64	2.06	1.02			
ST3-101-A-080-E-350	35	10	219	8	3.8	11	11	2.15	1.94	0.63				
ST3-101-A-085-E-350	35	10	234	8.5	4.3	11.5	11.5	3.16	2.55	1.58	0.57			
ST3-101-A-085-F-350	35	10	308	8.5	4.3	11.5	11.5	3.16	2.55	1.99	1.51	1.1	0.75	
ST3-101-A-090-E-400	40	10	287	9	4.1	12	12	2.46	1.46					
ST3-101-A-090-F-400	40	10	374	9	4.1	12	12	3.08	2.46	1.91	1.43	1.03	0.69	
ST3-101-A-100-F-500	50	10	478	10	3.7	13.5	13.5	2.94	2.32	1.78	1.31	0.72		

## HIGH-BASE

PART#	MOUNTING HEIGHT (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
ST3-081-H-067-E-250	25	8	148	6.7	4	15	15	4.2	3.99	2.88	1.68	0.71		
ST3-081-H-081-E-300	30	8	184	8.1	4	15	15	4.32	3.85	2.56	1.28			
ST3-081-H-094-E-350	35	8	207	9.4	4	15	15	4.49	3.74	3.06	1.9	0.76		
ST3-081-H-094-F-350	35	8	311	9.4	4	15	15	4.49	3.74	3.06	2.47	1.96	1.53	1.17
ST3-081-H-094-E-400	40	8	256	9.4	4	15	15	3.9	2.45	0.81				
ST3-081-H-094-F-400	40	8	339	9.4	4	15	15	4.39	3.64	2.96	2.38	1.88	1.46	1.06
ST3-081-H-105-F-500	50	8	461	10.5	4	17	17	4.22	3.47	2.8	1.99	0.51		
ST3-101-H-067-E-250	25	10	154	6.7	4	15	15	3.02	2.75	2.19	1.29			
ST3-101-H-081-E-300	30	10	190	8.1	4	15	15	3.12	2.64	2.08	0.89			
ST3-101-H-094-E-350	35	10	214	9.4	4	15	15	3.16	2.55	1.99	1.49			
ST3-101-H-094-F-350	35	10	320	9.4	4	15	15	3.16	2.55	1.99	1.51	1.1	0.75	
ST3-101-H-094-E-400	40	10	265	9.4	4	15	15	2.78	2.02					
ST3-101-H-094-F-400	40	10	348	9.4	4	15	15	3.08	2.46	1.91	1.43	1.03	0.69	
ST3-101-H-105-F-500	50	10	470	10.5	4	17	17	2.94	2.32	1.78	1.31			

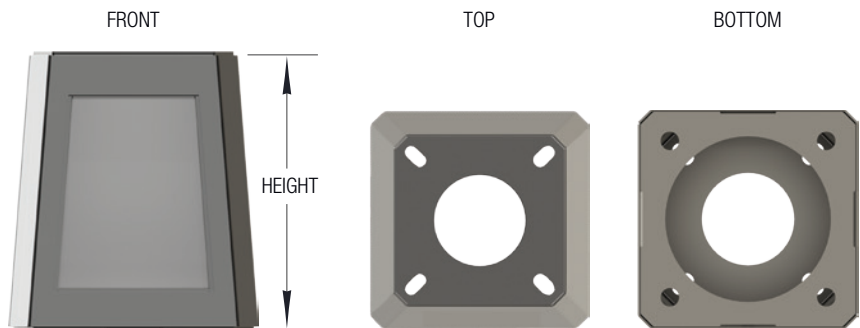
1. Variations from above sizes are available. Consult factory for allowable weight and EPA ratings for custom sizes.
2. Charts are for single arm configurations only. Consult factory for allowable weight and EPA ratings on twin arm arrangements.
3. Charted weights include the base, pole shaft, and luminaire mounting arm.
4. Unless specified otherwise, luminaire mounting arms attach to the pole shaft with a 4-bolt simplex bracket. To specify a different bracket, insert the bracket part number under options.
5. All multi-sided stainless steel poles with a mounting height of 35 feet or more are 16-sided.
6. Stainless steel structures with a round cross section must be finish painted with our Millerbond wet coat finish.
7. Stainless steel break-away High-Base option available. For a break-away High-Base, insert "BKB" as an option.
8. The "Base O.D." measurement for direct-embedded structures is taken at the ground line.

ST3 -	-	-	-	-	-	-	-	-
Design	Arm Span	Base Style	Base Diameter	Wall Thickness	Mounting Height	Cross-Section	Finish	Options
	041 = 4' 061 = 6' 081 = 8' 101 = 10'	A = Anchor H = High	Base diameter is identified with one decimal place to identify diameter in inches. (e.g. 094 = 9.4")	E = 14 GA F = 12 GA	Mounting height is identified with one decimal place to identify height in feet. (e.g. 255=25.5')	R = Round H = 8-Sided W = 16-Sided	FR = Frost (Stainless Steel only) FP = Finish Paint	Insert Part Number for options, separated by "-"



# TRANSFORMER BASE

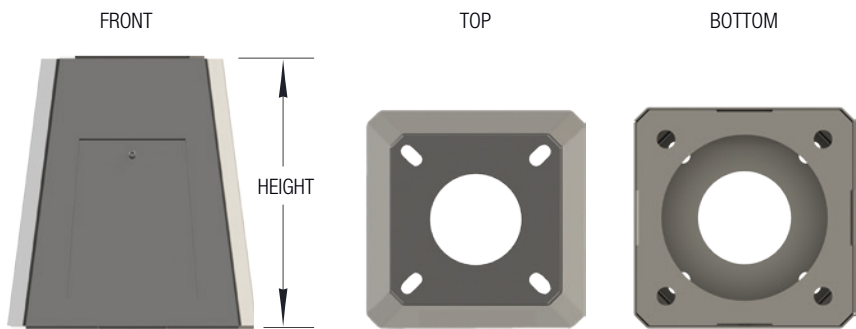
## STEEL TRANSFORMER BASE



PART #	POLE HEIGHT (FT)	BOTTOM B.C. (IN)	HEIGHT (IN)
ST1	25	15	20
ST2	30	15	20
ST3	35	15	20
ST4	40	17	20

Top plate fabricated with 2.25" slots to allow for 9.5" - 12" variable bolt circles.

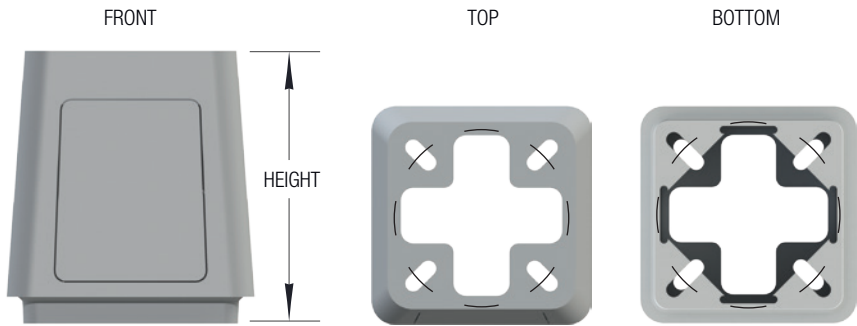
## STAINLESS STEEL TRANSFORMER BASE



PART #	POLE HEIGHT (FT)	BOTTOM B.C. (IN)	HEIGHT (IN)
SS1	25	15	20
SS2	30	15	20
SS3	35	15	20
SS4	40	17	20

Top plate fabricated with 2.25" slots to allow for 9.5" - 12" variable bolt circles.

## ALUMINUM TRANSFORMER BASE

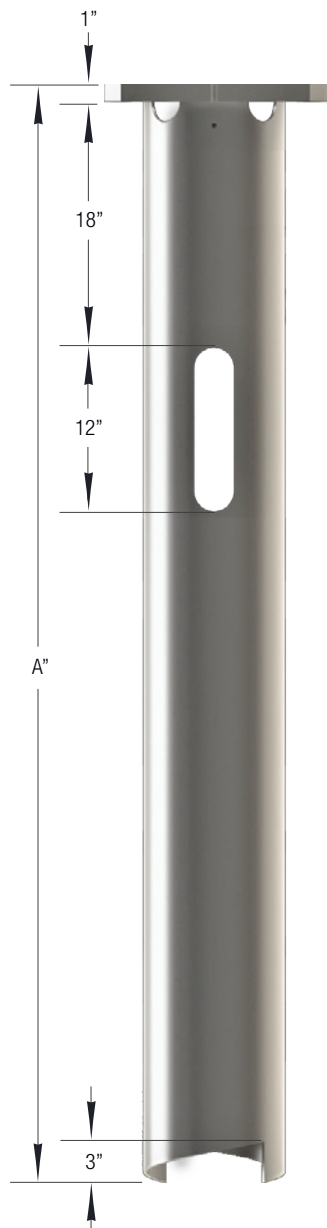
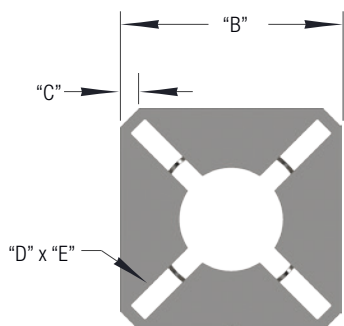


PART #	BOTTOM B.C. (IN)	TOP B.C. (IN)	HEIGHT (IN)
TB1	13 - 15	10.5 - 13.5	17
TB2	10 - 12	10 - 12	17
TB3	15 - 17.25	13 - 15.125	17
TB5	14.5 - 16.25	14.5 - 15.25	9
TB6	10 - 12.75	10.5 - 12	9

1. Aluminum Transformer Bases are an AASHTO approved breakaway device.
2. Consult factory regarding proposed application, load requirements, and installation methods, before installation.  
Failure can result from misapplication and improper installation.



# SCREW-IN BASES



## ANCHOR BOLTS

Anchor bolts conform to ASTM A325 standards. Bolts come fashioned with one hexagonal nut and two flat washers. Anchor bolts shall be hot-dip galvanized per ASTM A153.

## BASE PLATE

The base plate is fabricated from ASTM A36 carbon steel. The base is fabricated with slotted bolt holes to allow for a varying bolt circle size. The base plate is welded to the base shaft on the top and bottom.

## SHAFT

See table for pipe size and material.

## WIREWAY ACCESS

The base shall be fabricated with two 2.5" x 12" slots spaced 180° apart to allow for wireway access. Wireways shall be aligned with the location notch cut into the base plate.

## FINISHING

Screw-in anchor bases shall be hot-dip galvanized per ASTM A153.

## INSTALLATION

Screw-in anchor bases are to be installed using a standard digger derrick with a conventional kelly bar.

PART #	WEIGHT (LBS)	"A" (IN)	"B" (IN)	"C" (IN)	"D" (IN)	"E" (IN)	SHAFT O.D. (IN)	SHAFT PIPE MATERIAL	BOLT CIRCLE (IN)	MAX TORQUE (FT LBS)
SB46	95	48	12	1.25	0.875	2.625	6.625	SCH. 20	9.5 X 10.5	10,000
SB66	125	60	12	1.5	1.125	4.25	6.625	SCH. 40	9.5 X 10.5	10,000
SB68	163	60	16	2.125	1.125	4.125	8.625	SCH. 20	11 X 17	15,000
SB88	207	84	16	2.125	1.125	4.25	8.625	SCH. 20	11 X 17	15,000

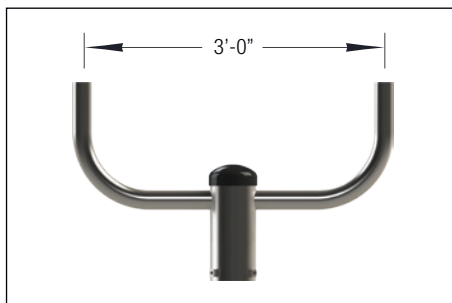
\* Consult factory for maximum allowable pole size and EPA.



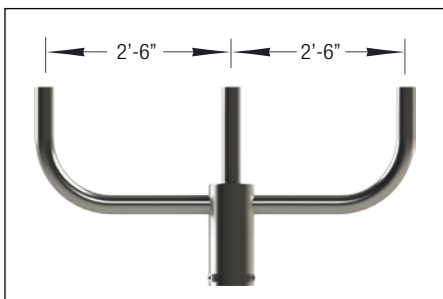


# BULLHORN ADAPTERS

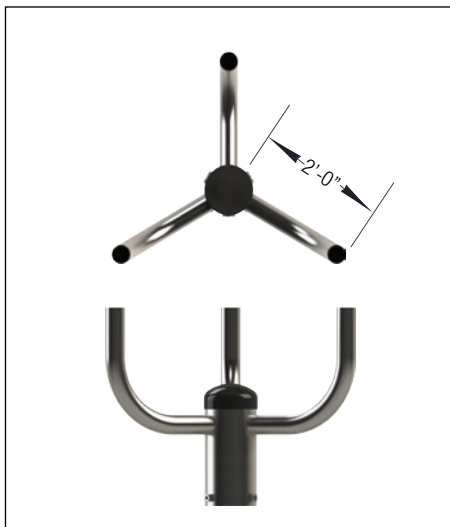
**BR28**



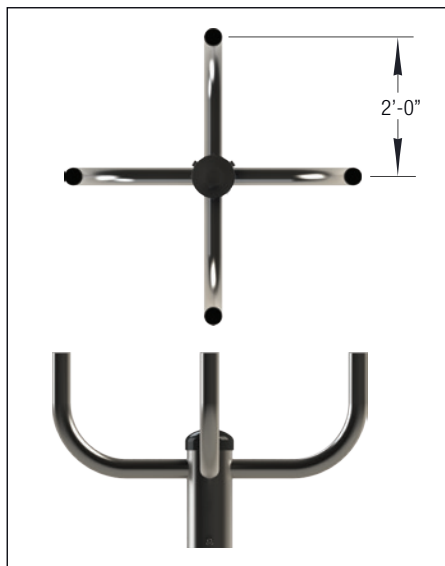
**BR38**



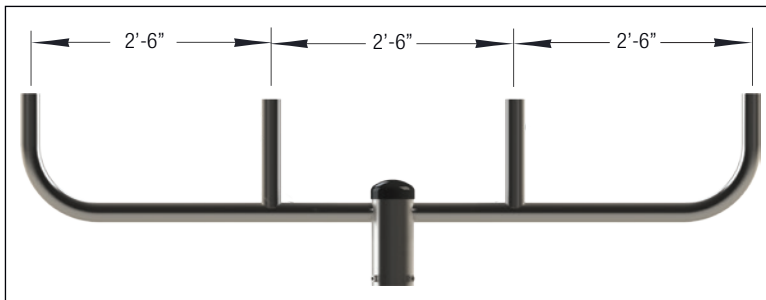
**BR32**



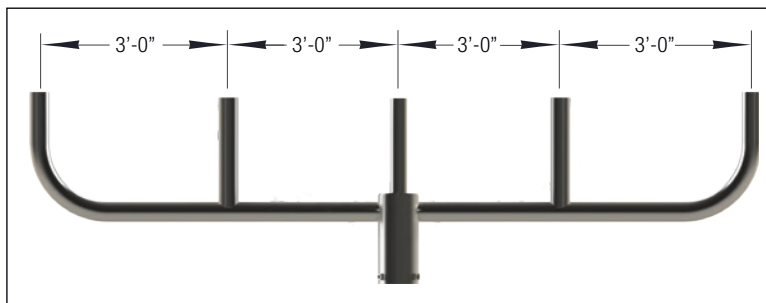
**BR49**



**BR48**



**BR58**

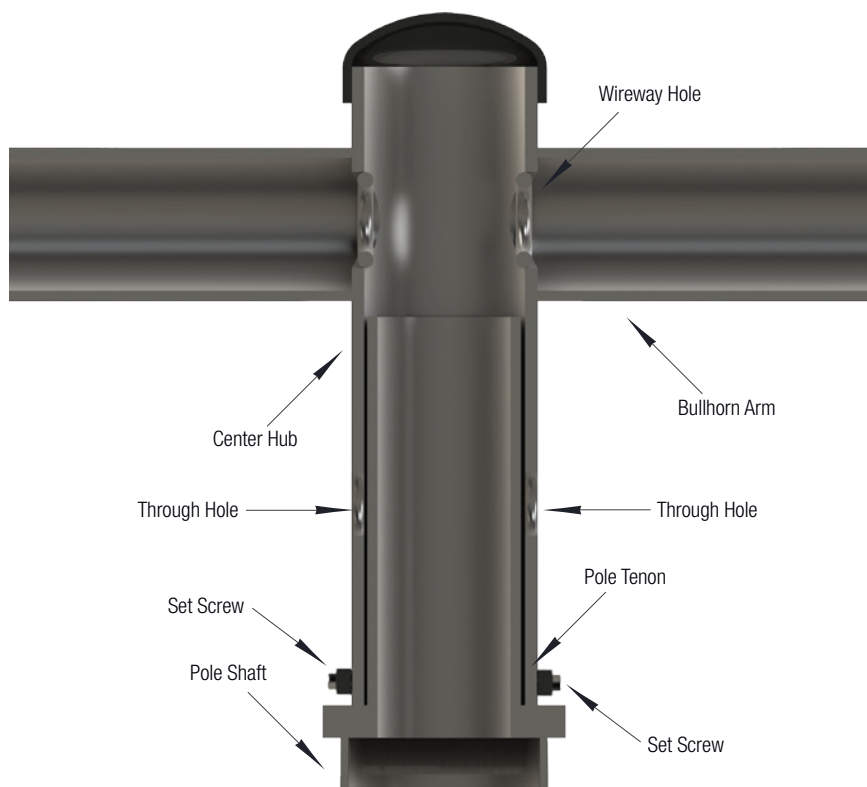




PART #	NO. FIXTURES	ORIENTATION	BULLHORN WEIGHT	BULLHORN EPA*
BR28	2	180°	15.99	1.36
BR32	3	120°	36.26	0.96
BR38	3	180°	32.63	1.74
BR49	4	90°	46.39	1.5
BR48	4	180°	45.81	1.3
BR58	5	180°	46.04	1.7

\*Total EPA of both the arm and fixture must be less than maximum allowable EPA of the structure.

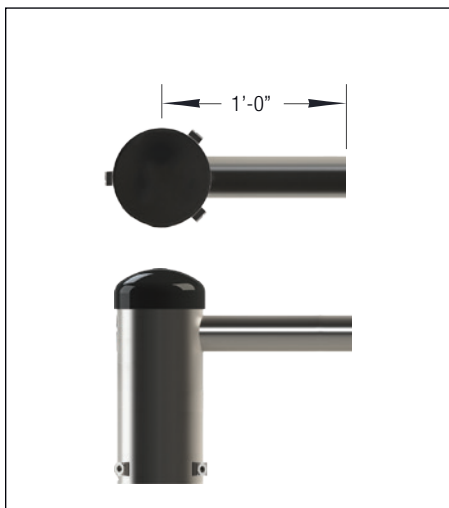
\*\*All bullhorn adapter arms rise 1 foot above the pole top.



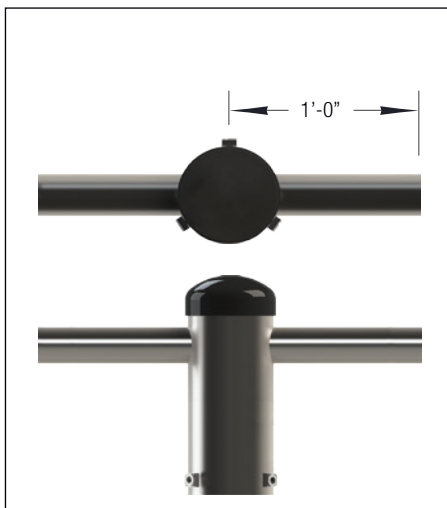


# SPOKE ARMS

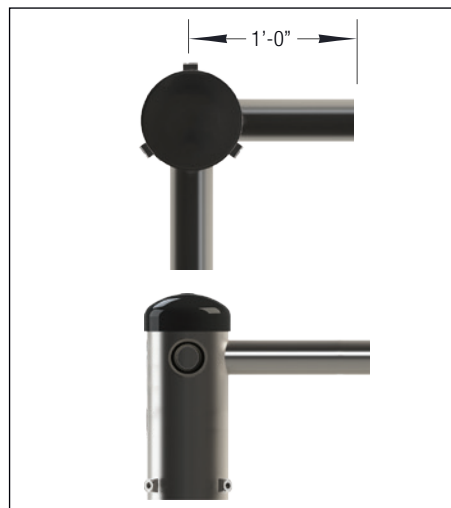
SR19



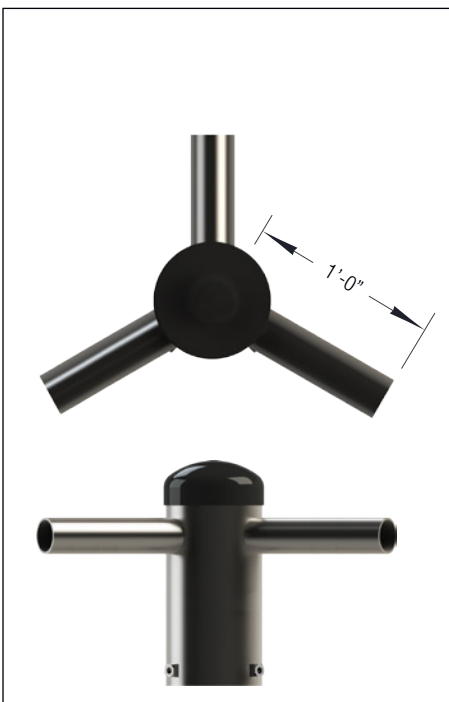
SR28



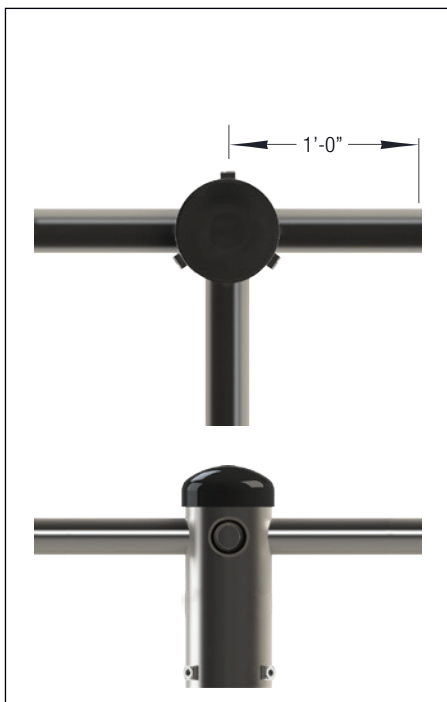
SR29



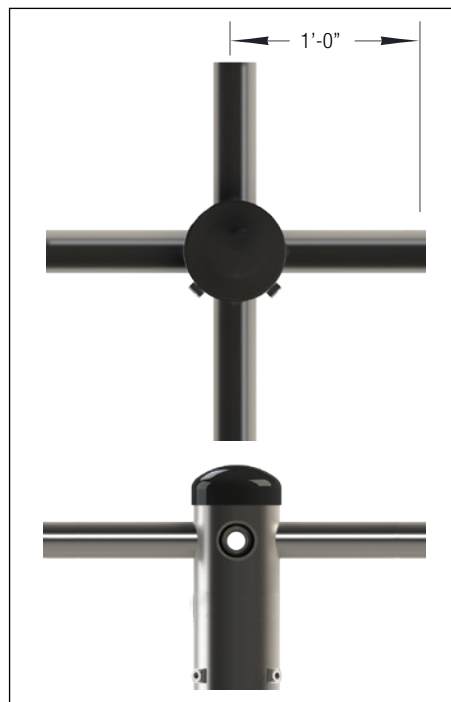
SR32



SR39



SR49



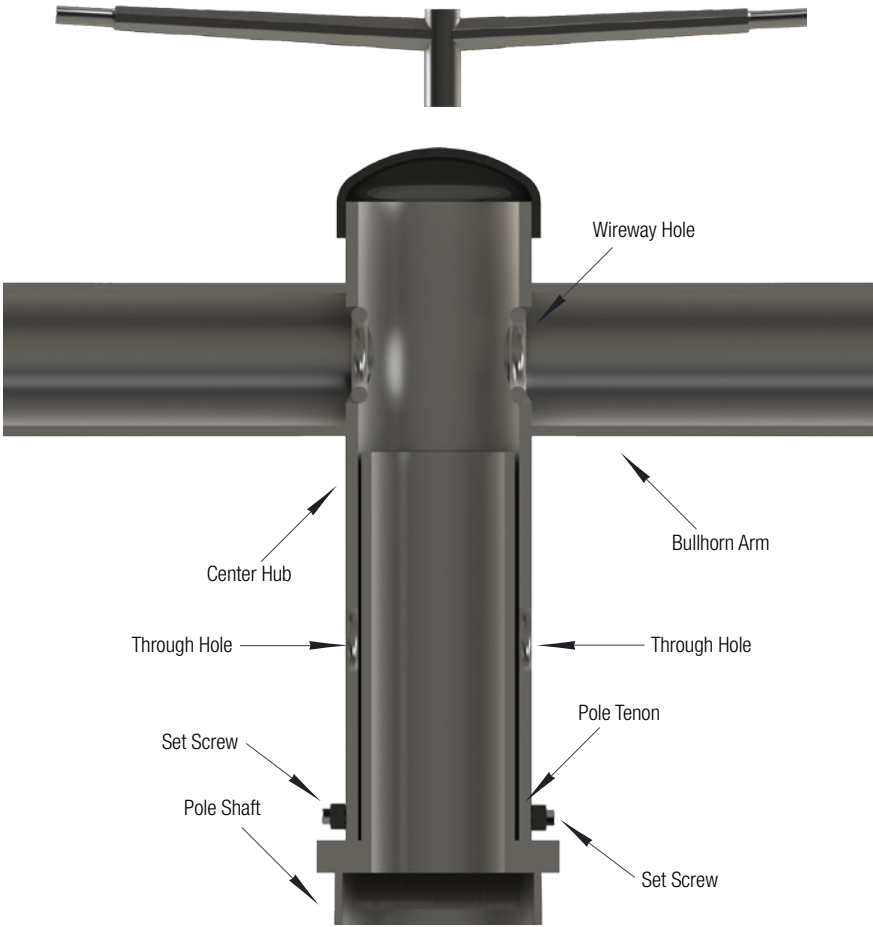


PART #	NO. FIXTURES	ORIENTATION	ARM WEIGHT (LBS)	ARM EPA*
SR19	1	N/A	11.41	0.44
SR28	2	180°	29.41	1.44
SR29	2	90°	29.41	0.84
SR39	3	90°	40.21	1.44
SR32	3	120°	40.21	0.86
SR49	4	90°	51.01	1.44

\*Total EPA of both the arm and fixture must be less than maximum allowable EPA of the lighting structure.

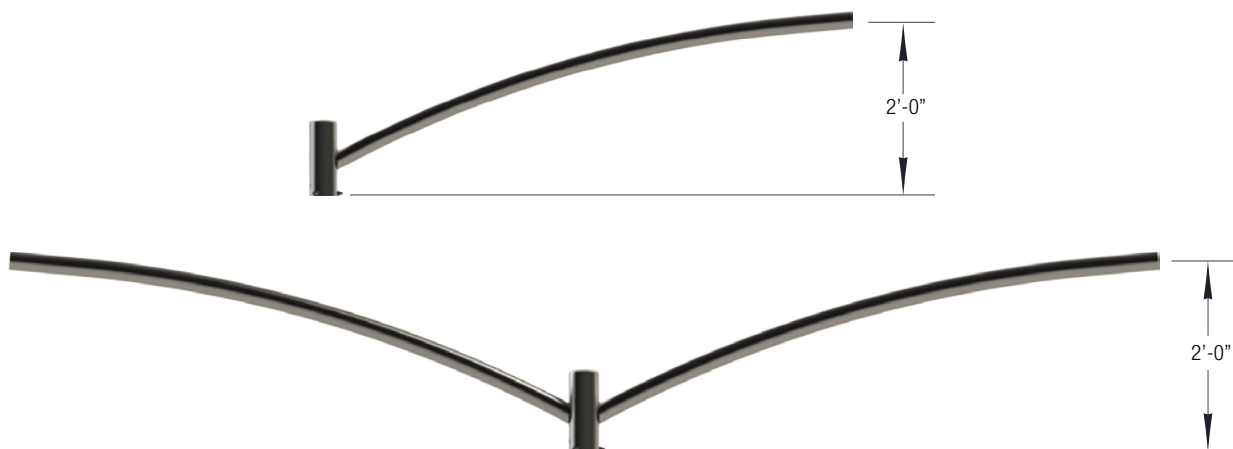
\*\* Octagonal spoke arms available upon request. Consult factory for weight and EPA.

**Octagonal Option\*\* (Consult Factory)**





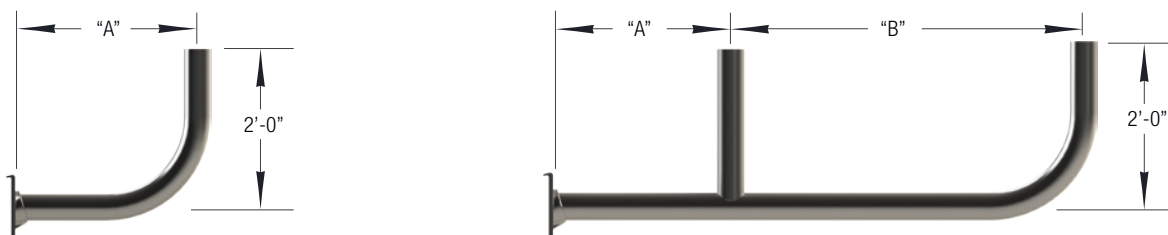
## UPSWEEEP ARMS



PART #	NO. MOUNTING LOCATIONS	ORIENTATION	ARM SPAN (FT)	ARM WEIGHT	ARM EPA
UP104	1	N/A	4	21.92	1.07
UP106	1	N/A	6	29.12	1.47
UP108	1	N/A	8	36.32	1.87
UP294	2	90°	4	37.52	1.3
UP296	2	90°	6	51.92	1.7
UP298	2	90°	8	66.32	2.1
UP284	2	180°	4	37.52	1.94
UP286	2	180°	6	51.92	2.74
UP288	2	180°	8	66.32	3.54

\*Total EPA of both the arm and fixture must be less than maximum allowable EPA of the lighting structure.

## SIDE MOUNT ARMS



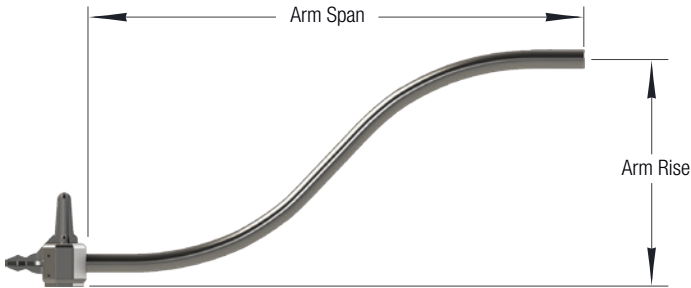
PART #	NO. MOUNTING LOCATIONS	"A" (IN)	"B" (IN)	ARM WEIGHT	ARM EPA
SM120	1	12	N/A	8.78	0.37
SM140	1	24	N/A	12.38	0.57
SM222	2	12	12	15.91	0.78
SM224	2	12	24	19.51	0.98
SM244	2	24	24	23.11	1.18

\*Total EPA of both the arm and fixture must be less than maximum allowable EPA of the lighting structure.



## DECORATIVE ARMS

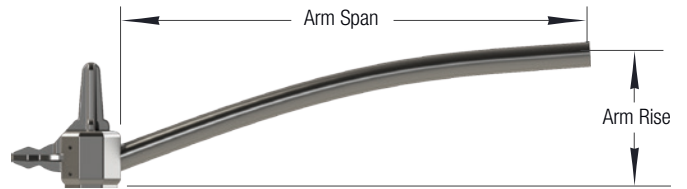
**BEMIDJI ARM**



PART #	ARM SPAN (FT)	ARM RISE (IN)	ARM WEIGHT (IN)	ARM EPA (FT)
BA4	4	18	24	1.29
BA6	6	28.5	32.25	1.74
BA8	8	34.5	38.9	2.11
BA9	9	34.5	41.9	2.28
BA0	10	34.5	45.5	2.47
BA2	12	42	50.9	2.77

\*Total EPA of both the arm and fixture must be less than maximum allowable EPA of the lighting structure.

**FAIRFAX ARM**



PART #	ARM SPAN (FT)	ARM RISE (IN)	ARM WEIGHT (IN)	ARM EPA (FT)
FA4	4	10	21.5	1.15
FA6	6	17	28.7	1.55
FA8	8	22	35.9	1.94

\*Total EPA of both the arm and fixture must be less than maximum allowable EPA of the lighting structure.

## SCROLL BRACES

**SCROLL BRACE PART # DS2**



**SCROLL BRACE PART # DS1**

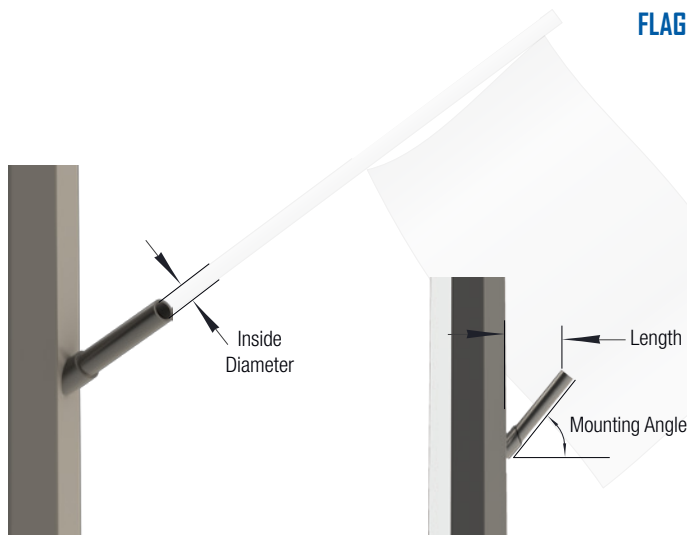






# FLAG HOLDERS

FLAG HOLDER



Part #	Mounting Angle (degrees)	Coupling Size (in)	Length (in)	Inside Diameter (in)
FL1	30	0.75	6	0.824
FL2	30	1	6	1.049
FL3	45	0.75	6	0.824
FL4	45	1	6	1.049
FL5	30	1	9	1.049

\* Flag provided by others

# BANNER BRACKETS

SCREW-IN BANNER BRACKET PART # SBB



BANNER SAVER PRO BREAKAWAY BRACKET PART # BSP

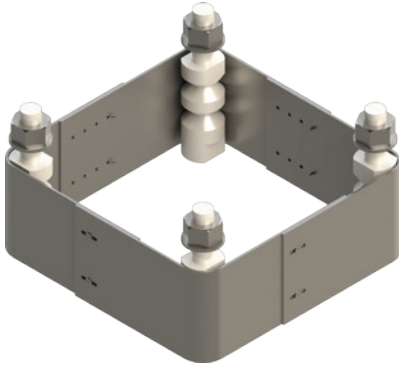


\* Banners provided by others

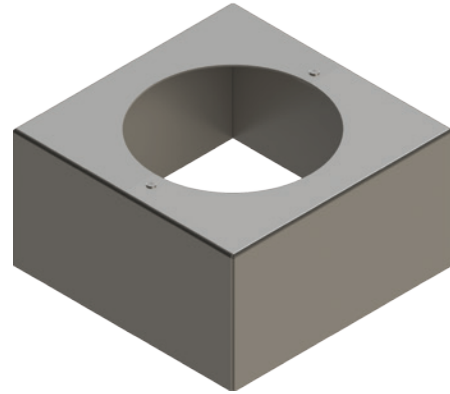


# COVERS, FESTOONS, AND COUPLINGS

BREAKAWAY BASE COUPLINGS PART # BKC



BASE COVER PART # BC1



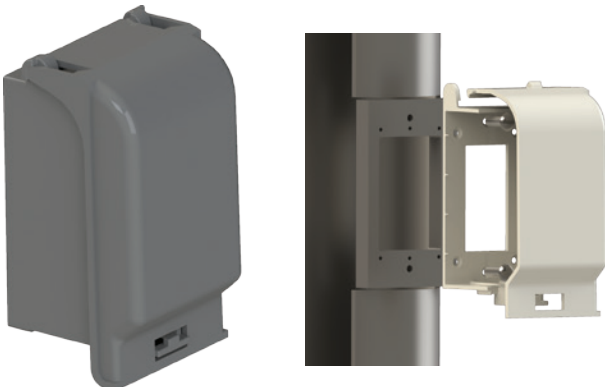
PLASTIC NUT COVER PART # NC1



METAL NUT COVER PART # NC2



FESTOON MOUNT PART # GFB (WITH OUTLET PART # GFI)



0.5", 0.75", OR 1" COUPLING  
0.5" (C50), 0.75" (C75), 1" (C10)













