

CATALOG #: _____

Type: _____

PROJECT: _____

FEATURES

- One-piece aluminum construction provides durability and resists corrosion
- An assortment of finishes are available to complement the architectural elements of any outdoor space
- Available in heights up to 50'

SPECIFICATIONS

- SHAFT** – Spun from seamless 6000 series aluminum alloy.
- POLE TOP** – Pole top plate and tenon provided for top mount luminaire. Removable pole cap provided for poles receiving drilling patterns for side-mount luminaire arm assemblies.
- HANDHOLE** – Covered handhole with hardware and grounding provision provided.
- FINISH** – Polyester powder coat bonded to pretreated metal, meets AAMA 2604 specifications for outdoor durability.
- ANCHOR BOLTS** – Anchor bolts conform to ASTM F1554 Grade 55, galvanized a minimum of 12" on the threaded end.
- MOUNTING** – Anchor base cast from 356 aluminum alloy. The completed assembly is heat-treated to a T6 temper. Aluminum nut covers included with each anchor base unless otherwise specified.

ORDERING EXAMPLE: RTA - 080 - 0300 - 0400 - 125 - TM238 - DBR - AB - OPTIONS

ORDERING INFO

SERIES	HEIGHT	TOP DIAMETER	SHAFT BASE DIAMETER	WALL THICKNESS	FIXTURE MOUNTING ^[1]
RTA	Specify according to chart. See page 3 for LOAD AND DIMENSIONAL DATA.				POLE TOP MOUNT
	080 7'-8" ^[9]	0300 3.00" ^[13]	0400 4.00" ^[17]	125 0.125" ^[24]	TM238 2-3/8" x 4" Round tenon
	100 9'-8" ^[10]	0400 4.00" ^[14]	0500 5.00" ^[18]	156 0.156" ^[25]	TM278 2-7/8" x 4" Round tenon
	120 11'-8" ^[11]	0450 4.50" ^[15]	0600 6.00" ^[19]	188 0.188" ^[26]	TM3 3" x 4" Round tenon
	140 13'-8" ^[12]	0600 6.00" ^[16]	0700 7.00" ^[20]	250 0.250" ^[27]	TC Custom Round Tenon ^[2]
	160 15'-8" ^[13]		0800 8.00" ^[21]		
	180 17'-8" ^[14]		0900 9.00" ^[22]		
	200 19'-8" ^[15]		1000 10.00" ^[23]		
	230 22'-8" ^[16]				
	250 24'-8" ^[17]				
	280 27'-8" ^[18]				
	300 29'-8" ^[19]				
	330 32'-8" ^[20]				
	350 34'-8" ^[21]				
	370 36'-8" ^[22]				
	390 38'-8" ^[23]				
	480 47'-8" ^[11]				
	500 49'-8" ^[12]				

DRILLED SIDE MOUNT	
SM/S	Single 0° ^[3]
SM/D90	Double 90° ^[4]
SM/D180	Double 180° ^[5]
SM/T90	Triple 90° ^[6]
SM/T120	Triple 120° ^[7]
SM/Q90	Quad 90° ^[8]

FINISH ^[28]

BLK	Black ^[30]
DBR	Medium bronze
DBZ	Dark bronze
GRAY	Standard gray
GRN	Green ^[31]
SLV	Satin aluminum ^[32]
WHT	White ^[33]
RAL#_____	Specify custom color

ANCHOR BOLTS

AB	Anchor bolts ^[34]
LAB	Less anchor bolts
PAB	Pre-shipped Anchor Bolts ^[35]

OPTIONS ^[29]

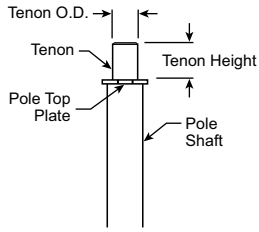
FS	Festoon box only ^[36]
SBC	Spun aluminum base cover
VB1	Vibration damper ^[37]
VB2	Vibration damper ^[38]
VB3	Vibration damper ^[39]
VB4	Vibration damper ^[40]
VB5	Vibration damper ^[41]

NOTES

- Designed for pole top tenon or drilled side mount. See page 2 for MOUNTING DETAILS.
- Must specify tenon diameter and height, consult factory.
- Located at 0°.
- Located at 0° and 90°.
- Located at 0° and 180°.
- Located at 0°, 90°, and 180°.
- Located at 0°, 120°, and 240°.
- Located at 0°, 90°, 180°, and 270°.
- 125 wall thickness only.
- 125 wall thickness only.
- 250 wall thickness only.
- 250 wall thickness only.
- Up to 200 height only.
- 160 to 300 heights only.
- 230 to 390 heights only.
- 280 to 500 heights only.
- Up to 160 height only.
- 100 to 200 heights only.
- 160 to 250 heights only.
- 180 to 300 heights only.
- 230 to 390 heights only.
- 280 to 500 heights only.
- Up to 200 height only.
- 120 to 390 heights only.
- 120 to 390 heights only.
- 280 to 500 heights only.
- See page 2 for FINISH OPTIONS.
- Factory-installed vibration damper included in select configurations. See page 3 for LOAD AND DIMENSIONAL DATA.
- RAL #9004.
- RAL #6005.
- RAL #9006.
- RAL #9003.
- Four L-bolts provided with two hex nuts and two flat washers each, shipped with pole.
- Four L-bolts provided with two hex nuts and two flat washers each.
- Casting only. Outlet, cover and hardware by others.
- Factory-installed.
- Field-installed, 100 to 200 heights.
- Field-installed, 230 to 300 heights.
- Field-installed, 330 to 390 heights.
- Field-installed, 480 and 500 heights.

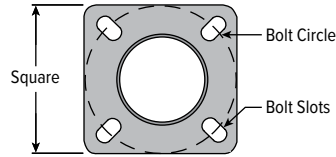
MOUNTING DETAILS

POLE TOP MOUNT TYPICAL TENON



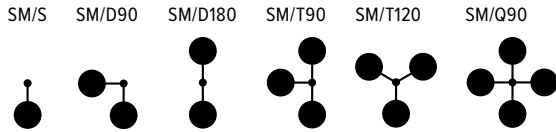
ANCHORAGE DATA

ANCHOR BASE

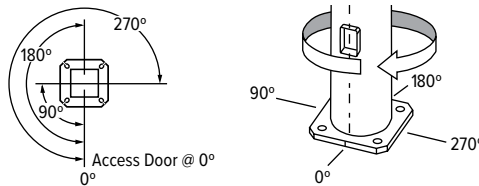


POLE		ANCHOR BASE				ANCHOR BOLTS		
BASE O.D.	WALL THK.	BOLT CIRCLE		SQ.	THK.	DIA. X LENGTH X HOOK	PROJECTION	±
		DIA.	±					
4"	1/8"	7-1/2"	3/4"	8-15/16"	5/8"	3/4" x 17" x 3"	3-1/4"	N/A
	1/8"	8-5/8"	7/8"	9-5/8"	5/8"	3/4" x 17" x 3"	3-1/4"	N/A
5"	5/32"	8-5/8"	7/8"	9-5/8"	5/8"	3/4" x 17" x 3"	3-1/4"	N/A
	3/16"	8-5/8"	7/8"	9-5/8"	5/8"	3/4" x 17" x 3"	3-1/4"	N/A
6"	5/32"	9-1/2"	3/4"	10-5/16"	5/8"	3/4" x 17" x 3"	3-1/2"	N/A
	3/16"	9-1/2"	3/4"	10-5/16"	5/8"	3/4" x 17" x 3"	3-1/2"	N/A
7"	5/32"	10-9/16"	7/16"	11-1/4"	3/4"	1" x 36" x 4"	4-1/8"	N/A
	5/32"	11-5/8"	3/8"	12-1/16"	3/4"	1" x 36" x 4"	4-1/8"	N/A
8"	3/16"	11-5/8"	3/8"	12-1/16"	3/4"	1" x 36" x 4"	4-1/8"	N/A
	1/4"	11-5/8"	3/8"	12-1/16"	3/4"	1" x 36" x 4"	4-1/8"	N/A
9"	5/32"	13-1/4"	3/4"	12-1/2"	1-1/4"	1" x 36" x 4"	4-1/8"	N/A
	3/16"	13-1/4"	3/4"	12-1/2"	1-1/4"	1" x 36" x 4"	4-1/8"	N/A
10"	3/16"	14-1/4"	3/4"	13-3/16"	1-1/4"	1" x 36" x 4"	4-3/4"	N/A
	1/4"	14-1/2"	1/2"	14"	1-1/4"	1-1/4" x 42" x 6"	5-1/4"	N/A

DRILLED SIDE MOUNT OPTIONS



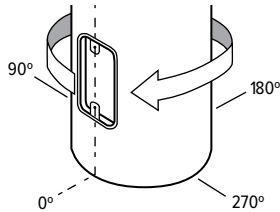
RADIAL INDEX



The Radial Index references how parts are oriented around the shaft. A degree measurement is used from a base point. The standard base point of reference is the access door. Degrees are measured in a clockwise motion as viewed from the top of the shaft.

OPTION DETAILS

ALUMINUM FESTOON BOX



NOTE: The festoon box is located above the access door at 0°.

FINISH OPTIONS



For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require two sample swatches, minimum 1" square.

LOAD AND DIMENSIONAL DATA

NOM. MTG. HEIGHT (FT)	CATALOG NUMBER	POLE DIMENSIONS					MAXIMUM LUMINAIRE WT. (LBS)	MAX EPA (SQ FT) ¹				
		POLE HEIGHT	TOP O.D.	BASE O.D.	WALL THK.	STRUC. WT (LBS)		70 MPH	80 MPH	90 MPH	100 MPH	110 MPH
8	RTA-080-0300-0400-125	7'-8"	3.00	4.00	0.125	17	75	11.3	8.5	6.5	5.1	4.1
	RTA-100-0300-0400-125		3.00	4.00	0.125	20	75	8.7	6.4	4.8	3.7	2.9
10	RTA-100-0300-0500-125	9'-8"	3.00	5.00	0.125	24	75	16.4	12.3	9.5	7.5	6.1
	RTA-120-0300-0400-125		3.00	4.00	0.125	23	75	6.7	4.8	3.5	2.6	1.9
12	RTA-120-0300-0500-125	11'-8"	3.00	5.00	0.125	26	75	13.3	9.8	7.4	5.8	4.6
	RTA-120-0300-0500-156		3.00	5.00	0.156	31	75	16.6	12.4	9.5	7.4	6.0
	RTA-120-0300-0500-188		3.00	5.00	0.188	36	100	19.9	14.8	11.4	9.0	7.3
	RTA-140-0300-0400-125		3.00	4.00	0.125	27	75	5.2	3.5	2.4	1.6	1.1
14	RTA-140-0300-0500-125	13'-8"	3.00	5.00	0.125	31	75	10.8	7.8	5.8	4.4	3.4
	RTA-140-0300-0500-156		3.00	5.00	0.156	37	75	13.7	10.0	7.5	5.8	4.6
	RTA-140-0300-0500-188		3.00	5.00	0.188	43	100	16.4	12.1	9.2	7.2	5.7
	RTA-160-0300-0400-125		3.00	4.00	0.125	30	75	3.8	2.4	1.5	0.8	0.4
16	RTA-160-0300-0500-125	15'-8"	3.00	5.00	0.125	35	75	8.5	6.0	4.3	3.2	2.4
	RTA-160-0300-0500-156		3.00	5.00	0.156	42	75	10.9	7.8	5.8	4.4	3.4
	RTA-160-0300-0500-188		3.00	5.00	0.188	50	100	13.2	9.6	7.2	5.5	4.3
	RTA-160-0400-0600-156		4.00	6.00	0.156	53	100	18.8	14.0	10.7	8.5	6.9
	RTA-160-0400-0600-188		4.00	6.00	0.188	62	100	22.9	17.1	13.2	10.5	8.6
	RTA-180-0300-0500-125		3.00	5.00	0.125	40	100	6.5	4.4	3.1	2.2	1.5
18	RTA-180-0300-0500-156	17'-8"	3.00	5.00	0.156	48	100	8.6	6.0	4.3	3.2	2.4
	RTA-180-0300-0500-188		3.00	5.00	0.188	56	100	10.7	7.6	5.6	4.2	3.2
	RTA-180-0400-0600-156		4.00	6.00	0.156	59	100	15.4	11.3	8.6	6.8	5.5
	RTA-180-0400-0600-188		4.00	6.00	0.188	70	100	18.9	14.0	10.7	8.5	6.9
	RTA-180-0400-0700-156		4.00	7.00	0.156	66	150	24.2	17.9	13.8	10.9	8.9
	RTA-200-0300-0500-125		3.00	5.00	0.125	42	100	5.1	3.3	2.1	1.3	0.8
20	RTA-200-0300-0500-156	19'-8"	3.00	5.00	0.156	51	100	7.0	4.7	3.2	2.2	1.5
	RTA-200-0300-0500-188		3.00	5.00	0.188	60	100	8.8	6.1	4.3	3.1	2.3
	RTA-200-0400-0600-156		4.00	6.00	0.156	63	100	12.7	9.1	6.8	5.3	4.2
	RTA-200-0400-0600-188		4.00	6.00	0.188	74	100	15.8	11.4	8.6	6.8	5.4
	RTA-200-0400-0700-156		4.00	7.00	0.156	73	150	20.5	15.1	11.5	9.0	7.3
	RTA-230-0400-0600-156		4.00	6.00	0.156	68	100	9.5	6.5	4.6	3.4	2.7
23	RTA-230-0400-0600-188	22'-8"	4.00	6.00	0.188	80	100	12.1	8.5	6.2	4.7	3.7
	RTA-230-0400-0700-156		4.00	7.00	0.156	77	150	16.0	11.5	8.6	6.6	5.3
	RTA-230-0450-0800-156		4.50	8.00	0.156	87	150	22.4	16.5	12.7	10.0	8.1
	RTA-230-0450-0800-188		4.50	8.00	0.188	102	150	27.7	20.6	15.9	12.6	10.2
	RTA-230-0450-0900-156		4.50	9.00	0.156	97	150	29.9	22.3	17.3	13.7	11.1
	RTA-250-0400-0600-156 ²		4.00	6.00	0.156	74	100	7.8	5.1	3.5	2.5	1.9
25	RTA-250-0400-0600-188	24'-8"	4.00	6.00	0.188	88	100	10.0	6.9	4.8	3.6	2.8
	RTA-250-0400-0700-156		4.00	7.00	0.156	85	150	13.6	9.6	7.0	5.3	4.2
	RTA-250-0450-0800-156		4.50	8.00	0.156	96	150	19.4	14.2	10.8	8.5	6.8
	RTA-250-0450-0800-188		4.50	8.00	0.188	113	150	24.2	17.8	13.7	10.8	8.7
	RTA-250-0450-0900-156		4.50	9.00	0.156	107	150	26.2	19.4	15.0	11.8	9.5
	RTA-280-0400-0700-156 ²		4.00	7.00	0.156	92	150	10.5	7.1	5.0	3.7	2.8
28	RTA-280-0450-0800-156	27'-8"	4.50	8.00	0.156	105	150	15.5	11.1	8.3	6.5	5.1
	RTA-280-0450-0800-188		4.50	8.00	0.188	124	150	19.6	14.3	10.8	8.5	6.8
	RTA-280-0450-0800-250		4.50	8.00	0.250	161	150	27.4	20.2	15.5	12.3	9.9
	RTA-280-0450-0900-156		4.50	9.00	0.156	116	150	21.4	15.7	12.0	9.4	7.5
	RTA-280-0450-0900-188		4.50	9.00	0.188	137	150	26.8	19.8	15.2	12.0	9.7
	RTA-280-0600-1000-188		6.00	10.00	0.188	161	200	34.5	26.0	20.2	16.0	12.9
	RTA-280-0600-1000-250		6.00	10.00	0.250	217	300	46.6	35.3	27.5	22.0	17.8
	RTA-300-0400-0700-156 ²		4.00	7.00	0.156	99	150	8.8	5.7	3.8	2.7	2.0
30	RTA-300-0450-0800-156 ²	29'-8"	4.50	8.00	0.156	113	150	13.3	9.3	6.9	5.3	4.1
	RTA-300-0450-0800-188		4.50	8.00	0.188	134	150	17.1	12.2	9.2	7.1	5.6
	RTA-300-0450-0900-156 ²		4.50	9.00	0.156	127	150	18.8	13.6	10.3	8.0	6.3
	RTA-300-0450-0900-188		4.50	9.00	0.188	149	150	23.7	17.4	13.3	10.4	8.3
	RTA-300-0450-0800-250		4.50	8.00	0.250	174	150	24.2	17.7	13.6	10.7	8.6
	RTA-300-0600-1000-188		6.00	10.00	0.188	175	200	30.9	23.2	17.9	14.1	11.3
	RTA-300-0600-1000-250		6.00	10.00	0.250	235	300	41.9	31.7	24.6	19.6	15.8

NOM. MTG. HEIGHT (FT)	CATALOG NUMBER	POLE DIMENSIONS					MAXIMUM LUMINAIRE WT. (LBS)	MAX EPA (SQ FT) ¹				
		POLE HEIGHT	TOP O.D.	BASE O.D.	WALL THK.	STRUC. WT (LBS)		70 MPH	80 MPH	90 MPH	100 MPH	110 MPH
33	RTA-330-0450-0800-156 ²	32'-8"	4.50	8.00	0.156	124	150	10.4	7.1	5.1	3.8	2.9
	RTA-330-0450-0800-188		4.50	8.00	0.188	147	150	13.8	9.7	7.1	5.5	4.2
	RTA-330-0450-0900-156 ²		4.50	9.00	0.156	138	150	15.3	10.9	8.1	6.2	4.8
	RTA-330-0450-0900-188		4.50	9.00	0.188	163	150	19.7	14.2	10.7	8.4	6.6
	RTA-330-0450-0800-250		4.50	8.00	0.250	190	150	20.1	14.5	11.0	8.6	6.8
	RTA-330-0600-1000-188		6.00	10.00	0.188	191	200	26.0	19.4	14.9	11.7	9.2
	RTA-330-0600-1000-250		6.00	10.00	0.250	257	300	35.8	26.9	20.8	16.4	13.1
35	RTA-350-0450-0800-156 ²	34'-8"	4.50	8.00	0.156	133	150	8.8	5.7	4.0	2.9	2.1
	RTA-350-0450-0800-188		4.50	8.00	0.188	158	150	11.9	8.2	6.0	4.5	3.4
	RTA-350-0450-0900-156 ²		4.50	9.00	0.156	148	150	13.4	9.4	6.9	5.2	3.9
	RTA-350-0450-0900-188		4.50	9.00	0.188	175	150	17.4	12.5	9.3	7.2	5.6
	RTA-350-0450-0800-250		4.50	8.00	0.250	205	150	17.8	12.7	9.5	7.3	5.8
	RTA-350-0600-1000-188		6.00	10.00	0.188	205	200	23.3	17.3	13.2	10.2	8.0
	RTA-350-0600-1000-250		6.00	10.00	0.250	275	300	32.3	24.2	18.7	14.6	11.6
37	RTA-370-0450-0800-188	36'-8"	4.50	8.00	0.188	168	150	10.2	6.9	4.9	3.6	2.6
	RTA-370-0450-0900-156 ²		4.50	9.00	0.156	158	150	11.6	8.0	5.7	4.2	3.1
	RTA-370-0450-0900-188		4.50	9.00	0.188	187	150	15.3	10.8	8.0	6.1	4.6
	RTA-370-0450-0800-250		4.50	8.00	0.250	219	150	15.6	11.0	8.2	6.2	4.8
	RTA-370-0600-1000-188		6.00	10.00	0.188	218	200	20.8	15.4	11.6	8.9	6.8
	RTA-370-0600-1000-250		6.00	10.00	0.250	292	300	29.2	21.8	16.7	13.0	10.2
	RTA-390-0450-0800-188 ²		38'-8"	4.50	8.00	0.188	179	150	8.6	5.6	3.9	2.8
RTA-390-0450-0900-156 ²	4.50	9.00		0.156	168	150	9.9	6.7	4.7	3.3	2.3	
RTA-390-0450-0900-188 ²	4.50	9.00		0.188	200	150	13.5	9.4	6.8	5.1	3.8	
RTA-390-0450-0800-250	4.50	8.00		0.250	233	150	13.7	9.5	6.9	5.2	4.0	
RTA-390-0600-1000-188	6.00	10.00		0.188	232	200	18.6	13.6	10.2	7.7	5.8	
RTA-390-0600-1000-250	6.00	10.00		0.250	311	300	26.4	19.6	14.9	11.5	9.0	
48	RTA-480-0600-1000-250 ²	47'-8"	6.00	10.00	0.250	360	300	15.6	11.2	8.3	6.1	4.5
50	RTA-500-0600-1000-250 ²	49'-8"	6.00	10.00	0.250	378	300	13.8	9.9	7.2	5.2	3.7

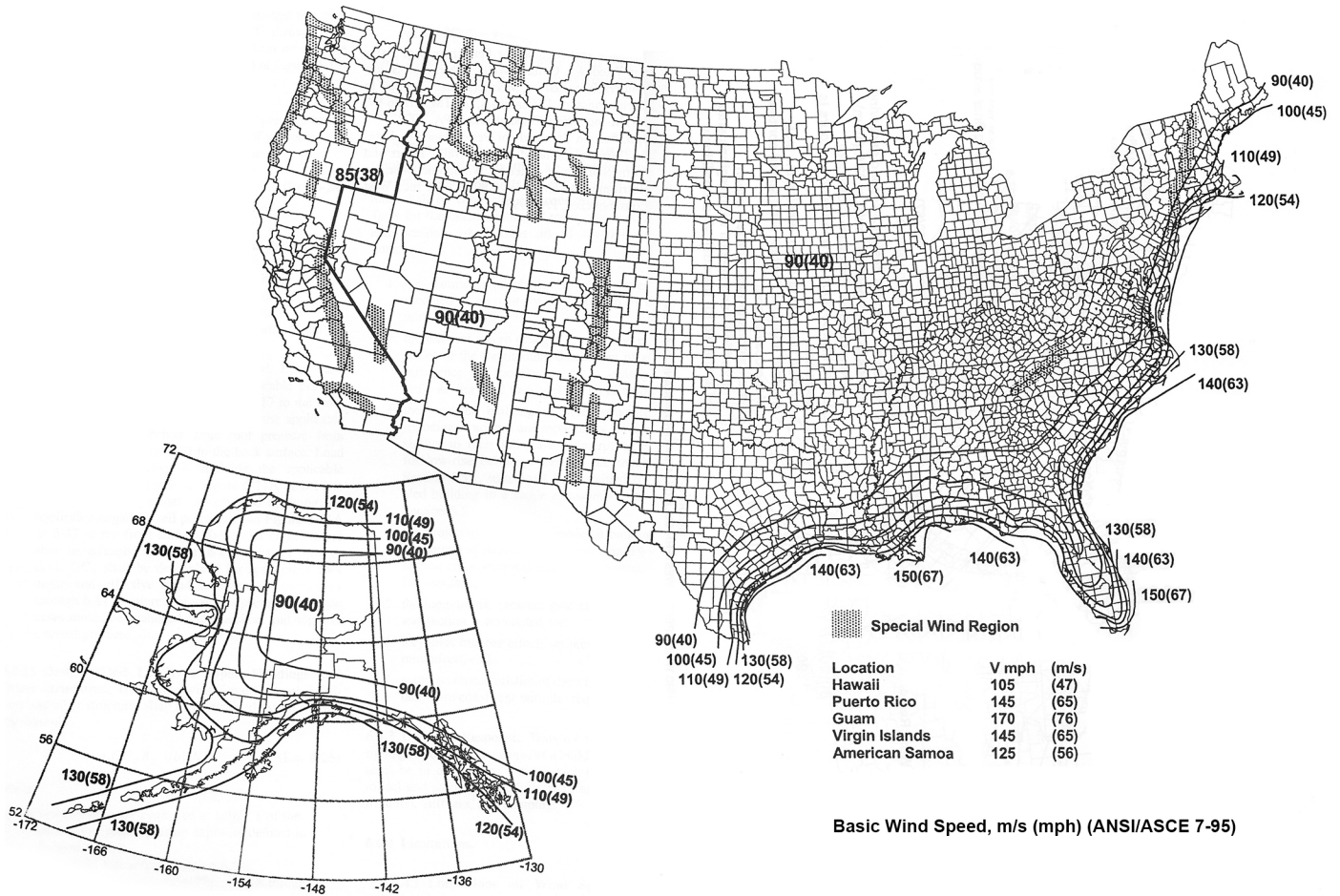
¹ Effective Projected Area (EPA) calculations are based on a 1.3 Gust Factor. Variations from sizes listed above available upon inquiry. Satisfactory performance of lighting poles is dependent upon the pole being properly attached to a supporting foundation of adequate design. H.E. Williams, Inc. does not offer recommendations for foundations. See page 5 for WIND MAP.

² Pole includes factory-installed vibration damper.

- Pole installations in various parts of the country perform satisfactorily; however, in select locations destructive vibration can occur. H.E. Williams, Inc. is not responsible for vibration induced fatigue damage.
- H.E. Williams, Inc. warrants this product to be free from defects in materials and workmanship. Any defective part returned within one year from the date of delivery of the goods will be repaired or replaced without charge, F.O.B. factory.
- This warranty specifically excludes fatigue or similar phenomena resulting from induced vibration, harmonic oscillation or resonance associated with movement of air currents around the product.

- The above warranties are given in lieu of all other warranties express or implied, including without limitation, the warranty of merchantability and the warranty of suitability for a particular purpose. It is expressly stated that H.E. Williams, Inc. assumes no liability for consequential or liquidated damages arising out of a breach of the sale, including any warranties arising therefrom, and buyer's remedy shall be limited to repair or replacement of defective parts as described above.
- Any action for the breach under a sale including any warranties arising therefrom must be commenced within one year after the cause of action accrues.

WIND MAP



The Effective Projected Area (EPA) standards shown in the Load and Dimensional Data Tables on the specification sheets are designed to withstand dead loads and theoretical dynamic loads developed by variable wind speeds, as charted, with an appropriate wind gust factor under the following conditions:

- Values are nominal design 3-second gust wind speeds in miles per hour (m/s) at 33 ft (10 m) above ground for Exposure C category.

- Linear Interpolation between wind contours is permitted.
- Islands and coastal areas outside the last contour shall use the last wind speed contour of the coastal area.
- Mountainous terrain, gorges, ocean promontories, and special wind regions shall be examined for unusual wind conditions.
- This map is intended as a general guide. Check you local area for unique wind conditions.

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