EVOLVE

RSAE Series Poles

Round | Straight | Aluminum

Project Name _____

Date _____ Type _____

Notes _____

APPLICATIONS

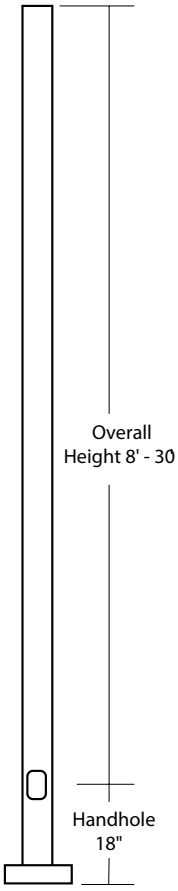
Lighting installations for side and top mounting of luminaires with effective projected area (EPA) not exceeding maximum allowable loading of the specified pole in its installed geographic location.

CONSTRUCTION

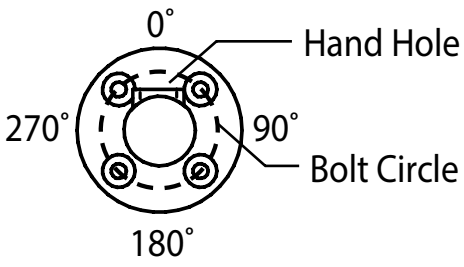
Shaft:	One-piece straight aluminum with round cross section; Extruded shafts of 6061-T6 aluminum in 1/8", 3/16", or 1/4" thickness. Base plate of 356 cast aluminum
Bolt Covers:	Four (4) individual bolt covers provided, painted to match pole and base finish
Base Cover:	2-Piece base cover supplied with 3" diameter poles
Pole Cap:	Pole shaft supplied with removable cover when applicable; Tenon and post-top configurations also available
Hand Hole:	Rectangular 3x5 aluminum hand hole frame (2.38" x 4.38" opening); Mounting provisions for grounding lug located behind gasketed cover
Anchor Bolt:	Four galvanized anchor bolts provided per pole with minimum yield of 55,000 psi (ASTM F1554). Galvanized hardware with two washers and two nuts per bolt for leveling

FINISH

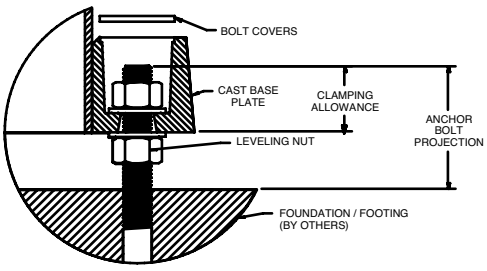
- Durable thermoset polyester powder coat paint finish with nominal 3.0 mil thickness
- Powder paint finish coat available in three standard colors; Custom colors available; RAL number preferable



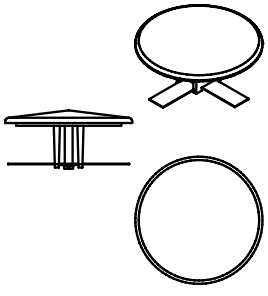
TOP VIEW



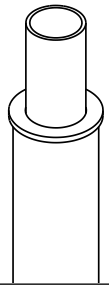
BASE DETAIL



POLE CAP



TENON



EVOLVE

RSAE Series Poles

Round | Straight | Aluminum

Ordering Information

Project Name _____

Date _____ Type _____

Notes _____

Example: RSAE16-40A-2-E1-DKBZ-VM2

RSAE _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ **E1** _ _ _ _ _ _ _ _ _ _

SERIES	HEIGHT	SHAFT	THICKNESS
RSAE = Evolve Round Straight Aluminum Pole	**10**=10 ft.	**40**=4" Round	**A**=0.125"
			B=.188"
	12=12 ft.	**40**=4" Round	**A**=0.125"
			B=.188"
			C=.25"
		50=5" Round	**B**=.188"
	14=14 ft.	**40**=4" Round	**A**=0.125"
			B=.188"
			C=.25"
		50=5" Round	**B**=.188"
	16=16 ft.	**40**=4" Round	**A**=0.125"
			B=.188"
			C=.25"
		50=5" Round	**B**=.188"
		60=6" Round	**A**=0.125"
	18=18 ft.	**40**=4" Round	**A**=0.125"
			B=.188"
			C=.25"
		50=5" Round	**B**=.188"
		60=6" Round	**A**=0.125"
			C=.25"
	20=20 ft.	**40**=4" Round	**A**=0.125"
			B=.188"
			C=.25"
		50=5" Round	**B**=.188"
		60=6" Round	**A**=0.125"
			C=.25"
	25=25 ft.	**50**=5" Round	**B**=.188"
		60=6" Round	**A**=0.125"
			C=.25"
	30=30 ft.	**60**=6" Round	**C**=.25"

MOUNTING	POLE DRILLING	FINISH	OPTIONS
1 [2] = Single arm mount	**E1** = Evolve Round Pole	**DKBZ** = Dark Bronze	**GFI**[1] = 20 Amp GFCI Receptacle and Cover
2 [2] = Two fixtures at 180˚	**UDP01**[3] = 3/8in HDW range 1.69 - 2.24	**BLCK** = Black	**EHH**[1] = Extra Handhole
2L = Two fixtures at 90˚	**UDP02**[3] = 1/2in HDW range 1.69 - 2.24	**GRAY** = Gray	**C05**[1] = 0.5" Coupling
3T = Three fixtures at 90˚	**UDP03**[3] = 3/8in HDW range 2.25 - 2.99	** Contact factory for custom color options*	**C07**[1] = 0.75" Coupling
3Y = Three fixtures at 120˚	**UDP04**[3] = 1/2in HDW range 2.25 - 2.99		**C20**[1] = 2" Coupling
4 [2] = Four fixtures at 90˚	**UDP05**[3] = 3/8in HDW range 3.00 - 3.75		**VM2** = 2nd mode vibration damper
TA = Tenon (2.375" OD)	**UDP06**[3] = 9/16in HDW range 3.00 - 3.75		**LAB** = Less Anchor Bolts
TB = Tenon (2.875" OD)	**UDP07**[3] = 3/8in HDW range 3.76 - 4.49		
OT = Open Top (includes pole cap)	**UDP08**[3] = 9/16in HDW range 3.76 - 4.49		
	UDP09[3] = 3/8in HDW range 4.50 - 5.49		
	UDP10[3] = 9/16in HDW range 4.50 - 5.49		
	UDP11[3] = 3/8in HDW range 5.50 - 6.00		
	UDP12[3] = 9/16in HDW range 5.50 - 6.00		

NOTES:
1. Specify option location using MOUNTING ORIENTATION logic shown on this page.
2. Single digit numbers are allowed in ordering information.
3. UDP allows mounting of most popular fixtures on the market.

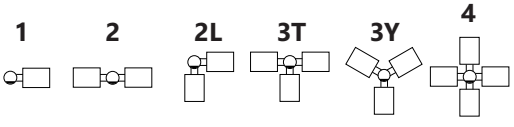
ACCESSORIES - ORDER SEPARATELY

CATALOG NUMBER	DESCRIPTION
VM2SXX*	2nd mode vibration damper

*** XX** = 08 for 8', 12 for 12', 15 for 16', 20 for 20', and 24' for 24'

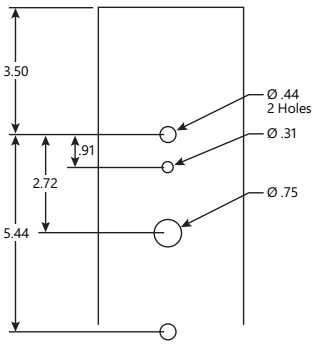
MOUNTING ORIENTATION

Denotes handhole location

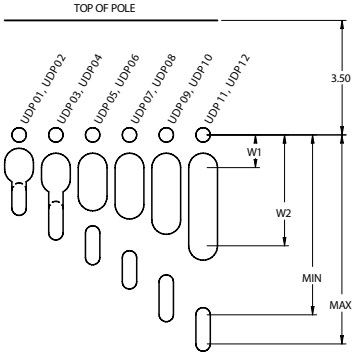


DRILL PATTERNS

E1



UNIVERSAL DRILL PATTERN (UDP)



TWO BOLT MOUNTING WITH CENTER WIREWAY						
MOUNTING HARDWARE	Universal Mounting Patterns					
3/8" OR LESS	UDP01	UDP03	UDP05	UDP07	UDP09	UDP11
7/16" TO 1/2"	UDP02	UDP04	UDP06	UDP08	UDP10	UDP12
"MIN" ATTACHMENT DIMENSION	1.69	2.25	3.00	3.76	4.50	5.50
"MAX" ATTACHMENT DIMENSION	2.24	2.99	3.75	4.49	5.49	6.00
W1 (Wireway min)	0.85	1.00	1.00	1.00	1.00	1.00
W2 (Wireway max)	1.05	1.36	1.88	2.13	2.60	3.00

EVOLVE

RSAE Series Poles

Round | Straight | Aluminum

Ordering Information

Project Name _____

Date _____ Type _____

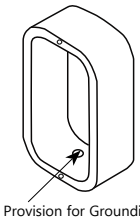
Notes _____

CATALOG NUMBER	HEIGHT		NOMINAL SHAFT DIMENSIONS	WALL THICKNESS	BOLT CIRCLE (SUGGESTED)	BOLT SQUARE (RANGE)	BASE PLATE DIAMETER	ANCHOR BOLT SIZE	BOLT PROJECTION	POLE WEIGHT
	FEET	METERS								
RSAE10-40A	10	3.0	4" round	0.125"	6.75"	4.77"	9.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	27
RSAE12-40A	12	3.7	4" round	0.125"	6.75"	4.77"	9.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	31
RSAE14-40A	14	4.3	4" round	0.125"	6.75"	4.77"	9.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	36
RSAE16-40A	16	4.9	4" round	0.125"	6.75"	4.77"	9.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	40
RSAE18-40A	18	5.5	4" round	0.125"	6.75"	4.77"	9.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	45
RSAE20-40A	20	6.1	4" round	0.125"	6.75"	4.77"	9.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	50
RSAE10-40B	10	3.0	4" round	0.188"	6.75"	4.77"	9.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	38
RSAE12-40B	12	3.7	4" round	0.188"	6.75"	4.77"	9.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	44
RSAE14-40B	14	4.3	4" round	0.188"	6.75"	4.77"	9.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	51
RSAE16-40B	16	4.9	4" round	0.188"	6.75"	4.77"	9.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	58
RSAE18-40B	18	5.5	4" round	0.188"	6.75"	4.77"	9.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	65
RSAE20-40B	20	6.1	4" round	0.188"	6.75"	4.77"	9.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	71
RSAE12-40C	12	3.7	4" round	.25"	6.75"	4.77"	9.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	57
RSAE14-40C	14	4.3	4" round	.25"	6.75"	4.77"	9.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	66
RSAE16-40C	16	4.9	4" round	.25"	6.75"	4.77"	9.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	75
RSAE18-40C	18	5.5	4" round	.25"	6.75"	4.77"	9.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	83
RSAE20-40C	20	6.1	4" round	.25"	6.75"	4.77"	9.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	92
RSAE12-50B	12	3.7	5" round	0.188"	7.75"	5.48"	10.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	56
RSAE14-50B	14	4.3	5" round	0.188"	7.75"	5.48"	10.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	64
RSAE16-50B	16	4.9	5" round	0.188"	7.75"	5.48"	10.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	73
RSAE18-50B	18	5.5	5" round	0.188"	7.75"	5.48"	10.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	81
RSAE20-50B	20	6.1	5" round	0.188"	7.75"	5.48"	10.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	90
RSAE25-50B	25	7.6	5" round	0.188"	7.75"	5.48"	10.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	111
RSAE16-60A	16	4.9	6" round	0.125"	8.75"	6.19"	11.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	60
RSAE18-60A	18	5.5	6" round	0.125"	8.75"	6.19"	11.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	67
RSAE20-60A	20	6.1	6" round	0.125"	8.75"	6.19"	11.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	74
RSAE25-60A	25	7.6	6" round	0.125"	8.75"	6.19"	11.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	91
RSAE18-60C	18	5.5	6" round	.25"	8.75"	6.19"	11.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	127
RSAE20-60C	20	6.1	6" round	.25"	8.75"	6.19"	11.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	140
RSAE25-60C	25	7.6	6" round	.25"	8.75"	6.19"	11.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	174
RSAE30-60C	30	9.1	6" round	.25"	8.75"	6.19"	11.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	208

NOTES:

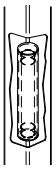
1. Factory supplied template must be used when setting anchor bolts. Current will deny any claim for incorrect anchorage placement resulting from failure to use factory supplied template and anchor bolts.

EHH EXTRA HANDHOLE



C05 - C07 - C20 - COUPLING

VM2 - VIBRATION DAMPER 2ND MODE



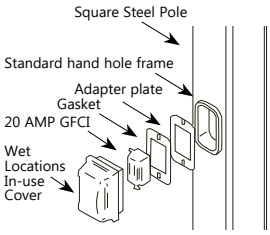
Factory installed, internal damper designed to alter pole resonance to reduce movement and material fatigue caused by 2nd mode vibration.

VM2SXX - VIBRATION DAMPER 2ND MODE

VM2S08 – 8'
VM2S12 – 12'
VM2S16 – 16'
VM2S20 – 20'
VM2S24 – 24'

Field installed, internal damper designed to alter pole resonance to reduce movement and material fatigue caused by 2nd mode vibration.

GFI – 20 AMP GFCI RECEPTACLE & COVER



OPTION ORIENTATION

Follow the logic below when ordering location specific options. For each option, include its orientation (in degrees) and its height (in feet).
Example: Option C07 should be ordered as: RSAE20-40A-TA-E1-DBT-CO7-0-15 (.5" coupling on the handhole/arm side of pole, 15 feet up from the pole base) 1' spacing required between option. Consult factory for other configurations.

EVOLVE

RSAE Series Poles

Round | Straight | Aluminum

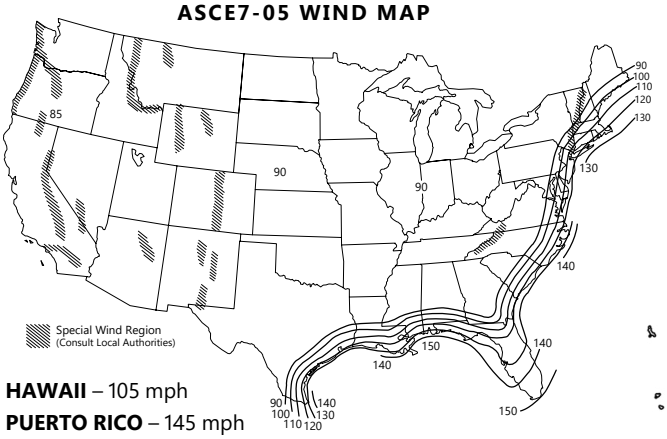
EPA Load Rating - Wind Maps

Project Name _____

Date _____ Type _____

Notes _____

ASCE7-05 WIND MAP

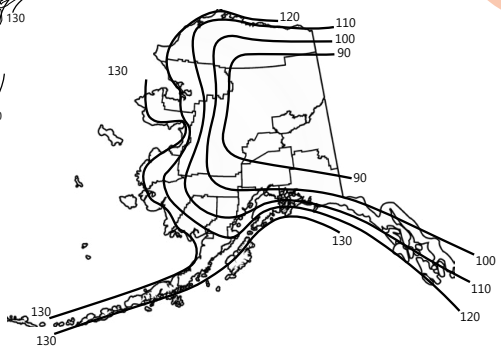


HAWAII – 105 mph

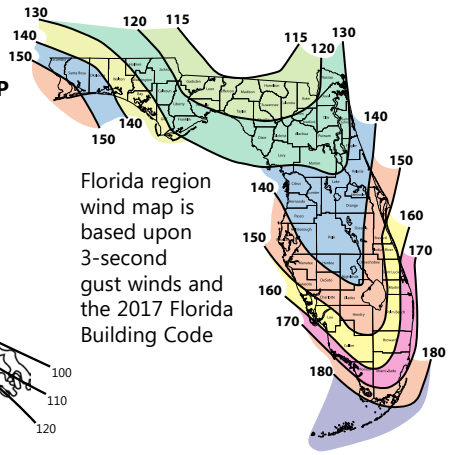
PUERTO RICO – 145 mph

*Printed with permission from ASCE

ALASKA REGION WIND MAP



FLORIDA REGION WIND MAP



Florida region wind map is based upon 3-second gust winds and the 2017 Florida Building Code

ASCE 7-05 wind map EPA Load Rating - 3 second gust wind speeds (Use for all locations except Florida)										
Catalog Number	**85**	**90**	**100**	**105**	**110**	**120**	**130**	**140**	**145**	**150**
RSAE10-40A	9.0	7.9	6.2	5.5	4.8	3.9	3.2	2.7	2.5	2.3
RSAE12-40A	6.8	5.9	4.5	3.9	3.4	2.6	2.1	1.7	1.6	1.4
RSAE14-40A	5.1	4.4	3.1	2.6	2.2	1.6	1.2	0.9	0.8	0.7
RSAE16-40A	3.8	3.2	2.1	1.6	1.3	0.7	0.5	NR	NR	NR
RSAE18-40A	2.7	2.1	1.2	0.8	NR	NR	NR	NR	NR	NR
RSAE20-40A	1.7	1.2	NR	NR	NR	NR	NR	NR	NR	NR
RSAE10-40B	13.7	12.1	9.6	8.6	7.7	6.3	5.3	4.5	4.2	3.9
RSAE12-40B	10.7	9.4	7.3	6.5	5.7	4.6	3.8	3.2	3.0	2.7
RSAE14-40B	8.4	7.3	5.6	4.9	4.2	3.3	2.7	2.2	2.0	1.9
RSAE16-40B	6.6	5.8	4.2	3.6	3.0	2.2	1.8	1.4	1.3	1.1
RSAE18-40B	5.1	4.3	3.0	2.4	2.0	1.3	1.0	0.7	0.6	0.5
RSAE20-40B	3.8	3.1	2.0	1.5	1.1	0.5	NR	NR	NR	NR
RSAE12-40C	14.1	12.5	9.9	8.8	7.9	6.4	5.4	4.6	4.2	3.9
RSAE14-40C	11.3	9.9	7.7	6.8	6.0	4.8	4.0	3.4	3.1	2.9
RSAE16-40C	9.1	7.9	6.0	5.3	4.6	3.5	2.9	2.4	2.2	2.0
RSAE18-40C	7.3	6.3	4.6	3.9	3.3	2.4	1.9	1.6	1.4	1.2
RSAE20-40C	5.7	4.8	3.4	2.8	2.3	1.5	1.1	0.8	0.7	0.6
RSAE12-50B	18.1	16.0	12.9	11.7	10.6	8.9	7.5	6.4	5.9	5.5
RSAE14-50B	14.6	12.8	10.2	9.2	8.4	7.0	5.8	5.0	4.6	4.3
RSAE16-50B	11.9	10.3	8.1	7.3	6.6	5.4	4.5	3.8	3.5	3.3
RSAE18-50B	9.5	8.2	6.3	5.7	5.1	4.2	3.4	2.8	2.6	2.4
RSAE20-50B	7.5	6.4	4.8	4.3	3.8	3.0	2.4	2.0	1.8	1.6
RSAE25-50B	3.8	2.9	1.9	1.6	1.3	0.9	0.6	NR	NR	NR
RSAE16-60A	11.9	10.6	8.4	7.6	6.9	5.7	4.7	4.0	3.7	3.4
RSAE18-60A	9.5	8.4	6.7	6.0	5.4	4.4	3.6	3.0	2.8	2.5
RSAE20-60A	7.5	6.5	5.1	4.6	4.1	3.3	2.7	2.2	2.0	1.8
RSAE25-60A	3.6	3.1	2.2	1.9	1.6	1.1	0.8	0.5	NR	NR
RSAE18-60C	21.4	19.1	15.5	14.0	12.0	9.9	8.3	7.0	6.5	6.0
RSAE20-60C	17.9	15.9	12.8	11.6	10.5	8.1	6.8	5.7	5.2	4.8
RSAE25-60C	11.4	10.1	8.0	7.2	6.5	4.8	3.9	3.2	2.9	2.6
RSAE30-60C	6.9	6.0	4.6	4.1	3.6	2.4	1.8	1.4	1.2	1.1

Florida Building Code 2017 EPA Load Rating - 3 second gust wind speeds (Use for Florida only)								
Catalog Number	**115**	**120**	**130**	**140**	**150**	**160**	**170**	**180**
RSAE10-40A	6.4	5.8	4.7	3.8	3.1	2.5	2.4	2.3
RSAE12-40A	4.6	4.1	3.2	2.4	1.8	1.7	1.6	1.5
RSAE14-40A	3.2	2.8	2.0	1.4	0.9	NR	NR	NR
RSAE16-40A	2.1	1.7	1.0	0.5	NR	NR	NR	NR
RSAE18-40A	1.1	0.8	NR	NR	NR	NR	NR	NR
RSAE20-40A	NR	NR	NR	NR	NR	NR	NR	NR
RSAE10-40B	10.1	9.1	7.6	6.3	5.3	4.4	4.2	3.9
RSAE12-40B	7.6	6.9	5.6	4.5	3.7	2.9	2.8	2.7
RSAE14-40B	5.8	5.1	4.0	3.1	2.4	1.8	1.6	1.4
RSAE16-40B	4.3	3.7	2.7	2.0	1.3	0.8	0.5	NR
RSAE18-40B	3.0	2.5	1.7	1.0	NR	NR	NR	NR
RSAE20-40B	1.9	1.5	0.7	NR	NR	NR	NR	NR
RSAE12-40C	10.3	9.3	7.7	6.4	5.3	4.4	4.2	4.0
RSAE14-40C	8.0	7.2	5.8	4.7	3.8	3.0	2.8	2.6
RSAE16-40C	6.2	5.5	4.3	3.3	2.5	1.9	1.7	1.5
RSAE18-40C	4.6	4.0	3.0	2.1	1.5	0.9	0.7	0.5
RSAE20-40C	3.3	2.8	1.9	1.2	0.6	NR	NR	NR
RSAE12-50B	13.2	12.0	9.9	9.4	8.0	6.8	5.9	5.1
RSAE14-50B	10.4	9.3	7.5	7.0	6.3	5.3	4.5	3.8
RSAE16-50B	8.0	7.1	5.6	5.3	4.9	4.0	3.3	2.7
RSAE18-50B	6.1	5.3	3.9	3.6	3.3	3.0	2.3	1.8
RSAE20-50B	4.4	3.7	2.9	2.8	2.7	2.1	1.5	1.1
RSAE25-50B	1.3	0.7	1.0	0.5	NR	NR	NR	NR
RSAE16-60A	9.3	8.4	6.8	5.5	4.5	3.7	2.9	2.3
RSAE18-60A	7.4	6.6	5.3	4.2	3.3	2.5	1.9	1.4
RSAE20-60A	5.9	5.2	4.0	3.0	2.2	1.6	1.0	0.6
RSAE25-60A	3.0	2.4	1.5	0.8	0.2	NR	NR	NR
RSAE18-60C	16.5	15.0	12.4	10.4	8.7	7.4	6.2	5.2
RSAE20-60C	13.8	12.5	10.3	8.5	7.0	5.8	4.8	4.0
RSAE25-60C	9.0	8.0	6.3	4.9	3.8	2.9	2.1	1.5
RSAE30-60C	5.6	4.8	3.5	2.4	1.5	0.8	NR	NR

Project Name _____

Date _____ Type _____

Notes _____

NOTES

Wind-speed Website disclaimer:

Current has no connection to the linked website and makes no representations as to its accuracy. While the information presented on this third-party website provides a useful starting point for analyzing wind conditions, Current has not verified any of the information on this third party website and assumes no responsibility or liability for its accuracy. The material presented in the windspeed website should not be used or relied upon for any specific application without competent examination and verification of its accuracy, suitability and applicability by engineers or other licensed professionals. Current Inc. does not intend that the use of this information replace the sound judgment of such competent professionals, having experience and knowledge in the field of practice, nor to substitute for the standard of care required of such professionals in interpreting and applying the results of the windspeed report provided by this website. Users of the information from this third party website assume all liability arising from such use. Use of the output of these referenced websites do not imply approval by the governing building code bodies responsible for building code approval and interpretation for the building site described by latitude/longitude location in the windspeed report. **http://windspeed.atcouncil.org**

1. Allowable EPA, to determine max pole loading weight, multiply allowable EPA by 30 lbs.
2. The tables for allowable pole EPA are based on the ASCE 7-05 Wind Map or the Florida Region Wind Map for the 2010 Florida Building Code. The Wind Maps are intended only as a general guide and cannot be used in conjunction with other maps. Always consult local authorities to determine maximum wind velocities, gusting and unique wind conditions for each specific application
3. Allowable pole EPA for jobsite wind conditions must be equal to or greater than the total EPA for fixtures, arms, and accessories to be assembled to the pole. Responsibility lies with the specifier for correct pole selection. Installation of poles without luminaires or attachment of any unauthorized accessories to poles is discouraged and shall void the manufacturer's warranty
4. Wind speeds and listed EPAs are for ground mounted installations. Poles mounted on structures (such as bridges and buildings) must consider vibration and coefficient of height factors beyond this general guide; Consult local and federal standards
5. Wind Induced Vibration brought on by steady, unidirectional winds and other unpredictable aerodynamic forces are not included in wind velocity ratings. Consult Current's Pole Vibration Application Guide for environmental risk factors and design considerations: http://images.salsify.com/image/upload/s--Uk0Lfj10--/bf7prkg0aey64uqoipso
6. Extreme Wind Events like, Hurricanes, Typhoons, Cyclones, or Tornadoes may expose poles to flying debris, wind shear or other detrimental effects not included in wind velocity ratings

Due to our continued efforts to improve our products, product specifications are subject to change without notice.

Unwrap poles immediately upon receipt to avoid condensation build up and possible corrosion.

Note: There will be a weld witness mark on the side of the pole with the Factory installed VM2.