EVOLVE

RSSE Series Poles

Round | Straight | Steel

Project Name _____

Date _____ Type _____

Notes _____

APPLICATIONS

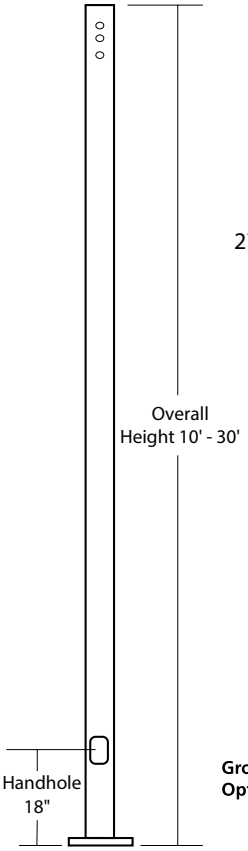
Lighting installations for side and top mounting of luminaires with effective projected area (EPA) not exceeding maximum allowable loading of the specified pole in its installed geographic location.

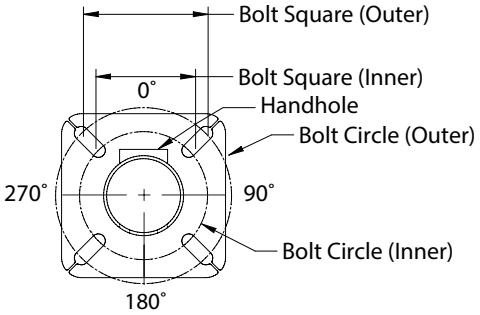
CONSTRUCTION

Shaft:	One-piece straight steel with round cross section, Minimum yield of 46,000 psi (ASTM-A500, Grade C); Longitudinal weld seam to appear flush in shaft wall; Steel base plate with axial bolt circle slots welded flush to pole shaft having minimum yield of 36,000 psi (ASTM A36)
Base Cover:	Two-piece square aluminum base cover included standard
Pole Cap:	Pole shaft supplied with removable cover when applicable; Tenon and post-top configurations also available
Hand Hole:	Rectangular 3x5 steel hand hole frame (2.38" x 4.38" opening); Mounting provisions for grounding lug located behind gasketed cover
Anchor Bolts:	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

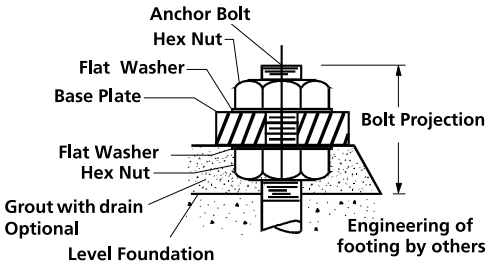
FINISH

- Durable thermoset polyester powder coat paint finish with nominal 3.0 mil thickness
- Powder paint prime applied over "white metal" steel substrate cleaned via mechanical shot blast method
- Decorative finish coat available in multiple standard colors; Custom colors available; RAL number preferable

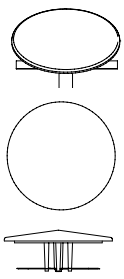




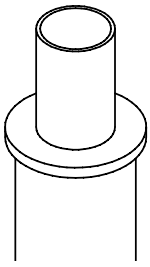
BASE DETAIL



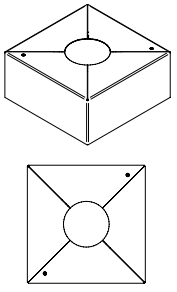
POLE CAP



TENON



BASE COVER



EVOLVE

RSSE Series Poles

Round | Straight | Steel

Ordering Information

Project Name _____

Date _____ Type _____

Notes _____

Example: RSSE20-40A-2-E1-DKBZ-UL

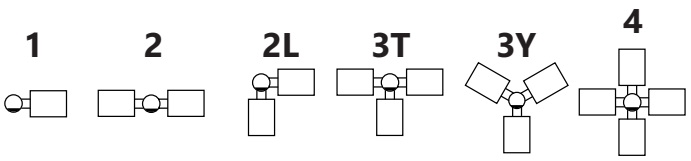
RSSE _ _ _ _ _ _ _ _ _ _ _ _ **E1** _ _ _ _ _ _ _

SERIES	HEIGHT	SHAFT	THICKNESS	MOUNTING	POLE DRILLING	FINISH	OPTIONS
RSSE = Evolve Round Straight Steel Pole	**10**=10 ft.	**40**=4" Round	**A**=0.125"	**1** = Single arm mount	**E1** = Evolve Round Pole	**DKBZ** = Dark Bronze	**GFI**[1] = 20 Amp GFCI Receptacle and Cover
			B=.188"	**2** = Two fixtures at 180˚	**UDP01**[2] = 3/8in HDW range 1.69 - 2.24	**BLCK** = Black	**EHH**[1] = Extra Handhole
		50=5" Round	**B**=.188"	**2L** = Two fixtures at 90˚		**GRAY** = Gray	**C05**[1] = 0.5" Coupling
	12=12 ft.	**40**=4" Round	**A**=0.125"	**3T** = Three fixtures at 90˚	**UDP02**[2] = 1/2in HDW range 1.69 - 2.24	** Contact factory for custom color options*	**C07**[1] = 0.75" Coupling
			B=.188"	**3Y** = Three fixtures at 120˚			**C20**[1] = 2" Coupling
		50=5" Round	**B**=.188"	**4** = Four fixtures at 90˚	**UDP03**[2] = 3/8in HDW range 2.25 - 2.99		**MPB**[1] = Mid-pole Luminaire Bracket
	14=14 ft.	**40**=4" Round	**A**=0.125"	**TA** = Tenon (2.375" OD)	**UDP04**[2] = 1/2in HDW range 2.25 - 2.99		**VM2** = 2nd mode vibration damper
			B=.188"	**TB** = Tenon (2.875" OD)			**LAB** = Less Anchor Bolts
		50=5" Round	**B**=.188"	**TC** = Tenon (3.5" OD)	**UDP05**[2] = 3/8in HDW range 3.00 - 3.75		**UL** = UL Certified
	16=16 ft.	**40**=4" Round	**A**=0.125"	**OT** = No drilling (includes pole cap)	**UDP06**[2] = 9/16in HDW range 3.00 - 3.75		**RBC** = Round Base Cover
			B=.188"				
		50=5" Round	**B**=.188"		**UDP07**[2] = 3/8in HDW range 3.76 - 4.49		
	18=18 ft.	**40**=4" Round	**A**=0.125"		**UDP08**[2] = 9/16in HDW range 3.76 - 4.49		
			B=.188"				
		50=5" Round	**B**=.188"		**UDP09**[2] = 3/8in HDW range 4.50 - 5.49		
	20=20 ft.	**40**=4" Round	**A**=0.125"		**UDP10**[2] = 9/16in HDW range 4.50 - 5.49		
			B=.188"				
		50=5" Round	**B**=.188"		**UDP11**[2] = 3/8in HDW range 5.50 - 6.00		
		60=6" Round	**C**=.25"				
	25=25 ft.	**50**=5" Round	**B**=.188"		**UDP12**[2] = 9/16in HDW range 5.50 - 6.00		
		60=6" Round	**C**=.25"				
	30=30 ft.	**60**=6" Round	**C**=.25"				

NOTES:
1. Removable tenon used in conjunction with side arm mounting. First specify desired arm.
2. UDP allows mounting of most popular fixtures on the market.

MOUNTING ORIENTATION

Denotes handhole location



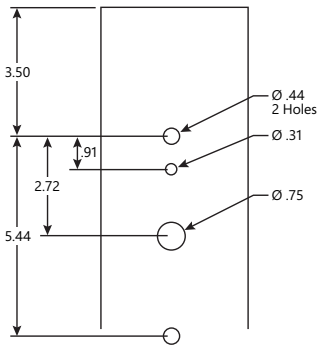
ACCESSORIES- ORDER SEPARATELY

CATALOG NUMBER	DESCRIPTION
VM2SXX*	2nd mode vibration damper

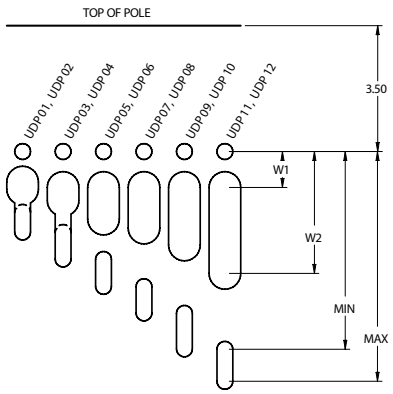
*** XX** = 08 for 8', 12 for 12', 15 for 16', 20 for 20', and 24' for 24'

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

RSSE Series Poles

Round | Straight | Steel

Ordering Information

Project Name _____

Date _____ Type _____

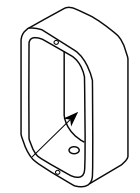
Notes _____

CATALOG NUMBER	HEIGHT		NOMINAL SHAFT DIMENSIONS	WALL THICKNESS	BOLT CIRCLE (SUGGESTED)	BOLT CIRCLE (RANGE)	BOLT SQUARE (RANGE)	BASE PLATE SQUARE	BASE PLATE THICKNESS	ANCHOR BOLT SIZE	BOLT PROJECTION	POLE WEIGHT
	FEET	METERS										
RSSE10-40A	10	3.0	4″ round	0.125″	9″	7.5″–10″	5.30″–7.07″	9″	0.75	3/4″x30″x3″	3.5″	52
RSSE12-40A	12	3.7	4″ round	0.125″	9″	7.5″–10″	5.30″–7.07″	9″	0.75	3/4″x30″x3″	3.5″	62
RSSE14-40A	14	4.3	4″ round	0.125″	9″	7.5″–10″	5.30″–7.07″	9″	0.75	3/4″x30″x3″	3.5″	72
RSSE16-40A	16	4.9	4″ round	0.125″	9″	7.5″–10″	5.30″–7.07″	9″	0.75	3/4″x30″x3″	3.5″	83
RSSE18-40A	18	5.5	4″ round	0.125″	9″	7.5″–10″	5.30″–7.07″	9″	0.75	3/4″x30″x3″	3.5″	93
RSSE20-40A	20	6.1	4″ round	0.125″	9″	7.5″–10″	5.30″–7.07″	9″	0.75	3/4″x30″x3″	3.5″	103
RSSE10-40B	10	3.0	4″ round	0.188″	9″	7.5″–10″	5.30″–7.07″	9″	0.75	3/4″x30″x3″	3.5″	77
RSSE12-40B	12	3.7	4″ round	0.188″	9″	7.5″–10″	5.30″–7.07″	9″	0.75	3/4″x30″x3″	3.5″	92
RSSE14-40B	14	4.3	4″ round	0.188″	9″	7.5″–10″	5.30″–7.07″	9″	0.75	3/4″x30″x3″	3.5″	107
RSSE16-40B	16	4.9	4″ round	0.188″	9″	7.5″–10″	5.30″–7.07″	9″	0.75	3/4″x30″x3″	3.5″	122
RSSE18-40B	18	5.5	4″ round	0.188″	9″	7.5″–10″	5.30″–7.07″	9″	0.75	3/4″x30″x3″	3.5″	138
RSSE20-40B	20	6.1	4″ round	0.188″	9″	7.5″–10″	5.30″–7.07″	9″	0.75	3/4″x30″x3″	3.5″	153
RSSE10-50B	10	3.0	5″ round	0.188″	11″	8.0″–11″	5.66″–7.78″	10.25″	1.0	1″x36″x4″	4.5″	97
RSSE12-50B	12	3.7	5″ round	0.188″	11″	8.0″–11″	5.66″–7.78″	10.25″	1.0	1″x36″x4″	4.5″	116
RSSE14-50B	14	4.3	5″ round	0.188″	11″	8.0″–11″	5.66″–7.78″	10.25″	1.0	1″x36″x4″	4.5″	135
RSSE16-50B	16	4.9	5″ round	0.188″	11″	8.0″–11″	5.66″–7.78″	10.25″	1.0	1″x36″x4″	4.5″	155
RSSE18-50B	18	5.5	5″ round	0.188″	11″	8.0″–11″	5.66″–7.78″	10.25″	1.0	1″x36″x4″	4.5″	174
RSSE20-50B	20	6.1	5″ round	0.188″	11″	8.0″–11″	5.66″–7.78″	10.25″	1.0	1″x36″x4″	4.5″	193
RSSE25-50B	25	7.6	5″ round	0.188″	11″	8.0″–11″	5.66″–7.78″	10.25″	1.0	1″x36″x4″	4.5″	242
RSSE20-60C	20	6.1	6″ round	0.250″	11″	9.0″–11″	6.36″–7.78″	10.25″	1.0	1″x36″x4″	4.5″	307
RSSE25-60C	25	7.6	6″ round	0.250″	11″	9.0″–11″	6.36″–7.78″	10.25″	1.0	1″x36″x4″	4.5″	384
RSSE30-60C	30	9.1	6″ round	0.250″	11″	9.0″–11″	6.36″–7.78″	10.25″	1.0	1″x36″x4″	4.5″	461

NOTES:

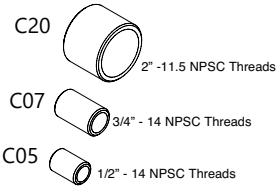
1. Factory supplied template must be used when setting anchor bolts. Current will deny any claim for incorrect anchorage placement resulting from failure to use factory supplied template and anchor bolts.

EHH EXTRA HANDHOLE

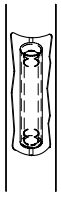


Provision for Grounding

C05 - C07 - C20 - COUPLING



VM2 - VIBRATION DAMPER 2ND MODE



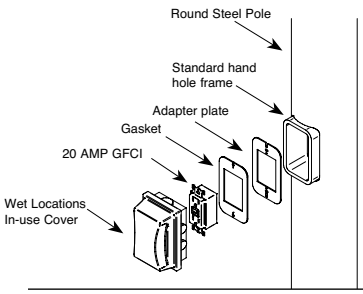
Factory installed, internal damper designed to alter pole resonance to reduce movement and material fatigue caused by 2nd mode vibration.

VM2SXX - VIBRATION DAMPER 2ND MODE

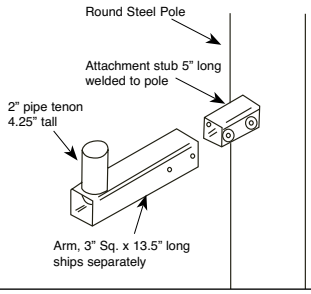
VM2S08 – 8'
VM2S12 – 12'
VM2S16 – 16'
VM2S20 – 20'
VM2S24 – 24'

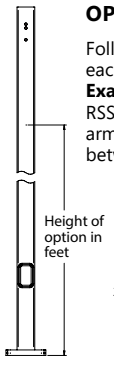
Field installed, internal damper designed to alter pole resonance to reduce movement and material fatigue caused by 2nd mode vibration.

GFI – 20 AMP GFCI RECEPTACLE & COVER



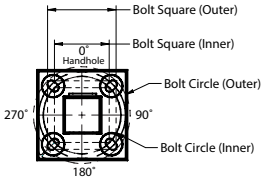
MPB - MID POLE BRACKET





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:
RSSE20-40A-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

RSSE Series Poles

Round | Straight | Steel

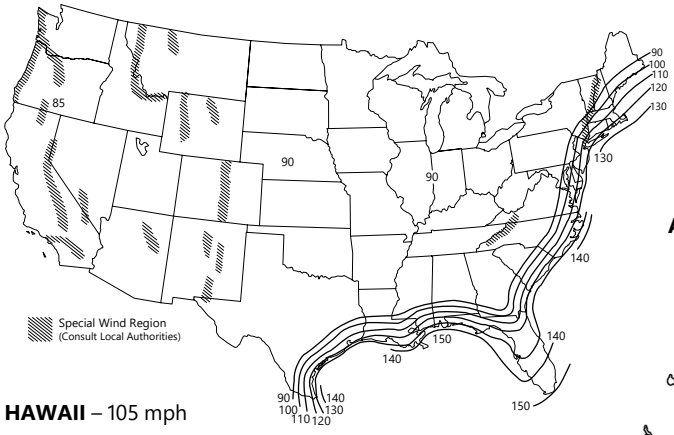
EPA Load Rating - Wind Maps

Project Name _____

Date _____ Type _____

Notes _____

ASCE7-05 WIND MAP

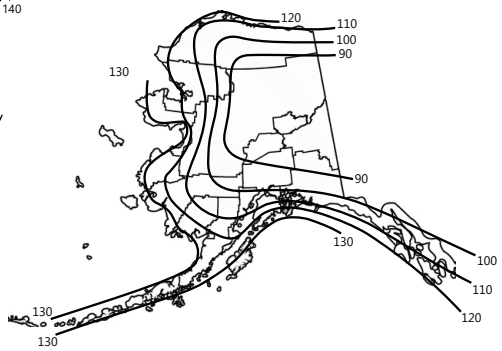


HAWAII – 105 mph

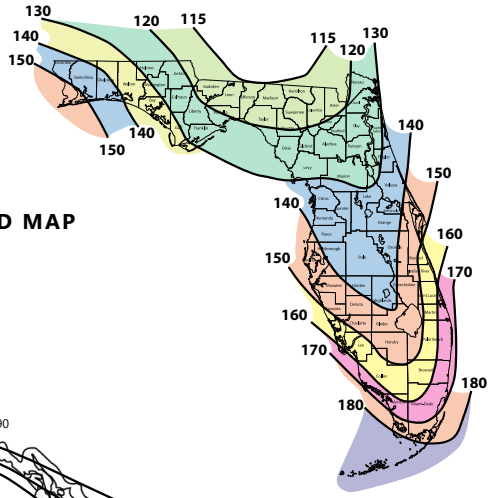
PUERTO RICO – 145 mph

*Printed with permission from ASCE

ALASKA REGION WIND MAP



FLORIDA REGION WIND MAP



Florida region wind map above 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**	**145**
RSSE10-40A	21.0	18.7	15.0	12.2	10.1	13.5	6.8
RSSE12-40A	16.8	14.8	11.8	9.5	7.7	10.5	5.1
RSSE14-40A	13.6	12.0	9.4	7.4	5.9	8.3	3.9
RSSE16-40A	11.1	9.7	7.5	5.8	4.6	6.6	2.9
RSSE18-40A	9.0	7.8	5.8	4.4	3.3	5.1	2.0
RSSE20-40A	7.2	6.2	4.5	3.1	2.2	3.8	1.2
RSSE10-40B	25.0	25.0	22.4	18.4	15.3	20.2	10.4
RSSE12-40B	25.0	22.3	17.9	14.5	12.0	16.1	8.1
RSSE14-40B	20.6	18.3	14.6	11.7	9.6	13.0	6.4
RSSE16-40B	17.2	15.2	12.0	9.5	7.7	10.7	5.1
RSSE18-40B	14.3	12.6	9.8	7.6	6.1	8.6	3.9
RSSE20-40B	11.8	10.3	7.9	6.0	4.7	6.9	2.9
RSSE10-50B	25.0	25.0	25.0	25.0	25.0	25.0	17.7
RSSE12-50B	25.0	25.0	25.0	24.8	20.8	25.0	14.3
RSSE14-50B	25.0	25.0	24.7	20.5	17.2	22.4	11.7
RSSE16-50B	25.0	25.0	20.7	17.1	14.3	18.8	9.7
RSSE18-50B	24.5	21.6	17.3	14.3	11.9	15.7	8.0
RSSE20-50B	20.6	18.1	14.4	11.8	9.8	13.0	6.5
RSSE25-50B	13.6	11.7	9.1	7.3	6.0	8.1	3.8
RSSE20-60C	25.0	25.0	25.0	25.0	21.5	25.0	14.8
RSSE25-60C	25.0	25.0	21.9	18.0	15.0	19.8	10.1
RSSE30-60C	21.8	19.4	15.6	12.7	10.6	14.1	6.9

Florida Building Code 2017 EPA Load Rating - 3 second gust wind speeds								
Catalog Number	**115**	**120**	**130**	**140**	**150**	**160**	**170**	**180**
RSSE10-40A	25.0	23.5	20.0	17.0	14.5	12.5	11.0	10.0
RSSE12-40A	21.0	19.0	16.0	13.5	11.5	90.5	9.0	8.0
RSSE14-40A	17.5	15.7	13.0	10.8	9.0	7.5	7.0	6.5
RSSE16-40A	14.2	13.0	10.5	8.5	7.0	5.8	5.0	4.5
RSSE18-40A	11.6	10.4	8.2	6.8	5.4	4.4	4.0	3.6
RSSE20-40A	9.5	8.4	6.5	5.2	4.0	3.0	2.8	2.5
RSSE10-40B	25.0	25.0	25.0	22.0	19.0	16.5	15.2	13.4
RSSE12-40B	25.0	25.0	20.8	17.6	15.1	13.0	12.0	10.6
RSSE14-40B	22.5	20.4	17.2	14.4	12.2	10.4	10.0	8.8
RSSE16-40B	18.9	17.0	14.1	11.7	9.8	8.2	7.5	7.0
RSSE18-40B	15.6	14.1	11.5	9.4	7.7	6.4	6.0	5.7
RSSE20-40B	13.0	11.6	9.3	7.5	6.0	4.8	4.0	3.5
RSSE10-50B	25.0	25.0	25.0	25.0	25.0	23.6	20.8	18.4
RSSE12-50B	25.0	25.0	25.0	25.0	22.2	19.3	16.8	14.8
RSSE14-50B	25.0	25.0	23.9	21.5	18.4	15.9	13.8	12.1
RSSE16-50B	25.0	23.8	19.6	18.0	15.4	13.2	11.4	9.9
RSSE18-50B	21.8	19.6	16.1	15.1	12.8	10.8	9.3	8.0
RSSE20-50B	18.2	16.4	14.1	12.7	10.7	9.0	7.7	6.5
RSSE25-50B	11.7	10.2	9.4	8.4	6.8	5.6	4.5	3.7
RSSE20-60C	25.0	25.0	25.0	22.1	18.8	16.1	13.9	12.0
RSSE25-60C	24.7	22.4	18.4	15.3	12.8	10.8	9.1	7.6
RSSE30-60C	18.2	16.3	13.2	10.7	8.7	7.0	5.7	4.5

Project Name _____
Date _____ Type _____
Notes _____

NOTES

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.