



Project Name _____

Date _____ Type _____

Notes _____

APPLICATIONS

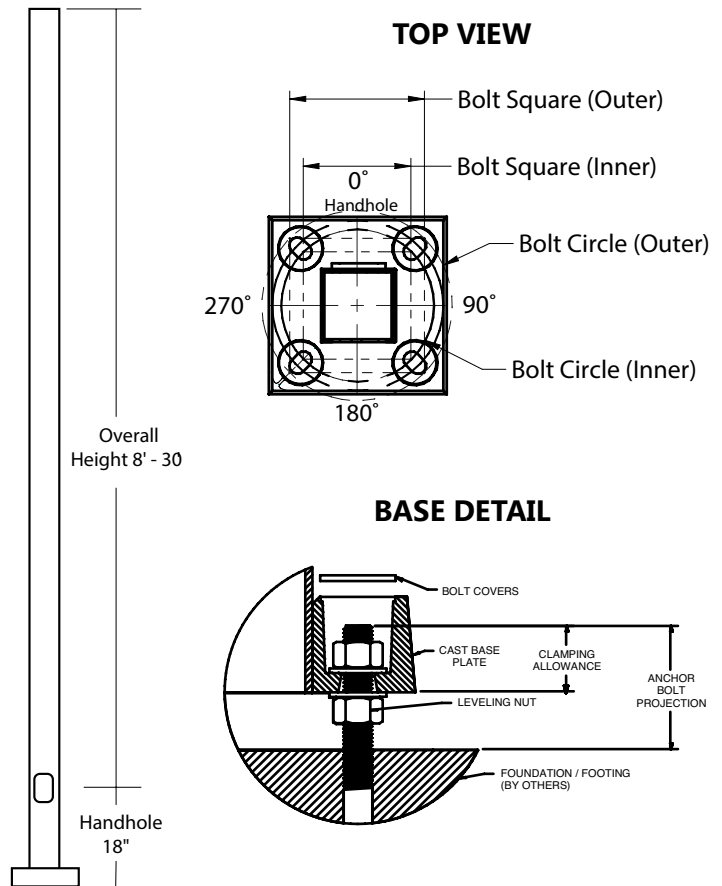
Lighting installations for side and top mounting of luminaires with effective projected area (EPA) not exceeding maximum allowable loading of the specified pole in its installed geographic location.

CONSTRUCTION

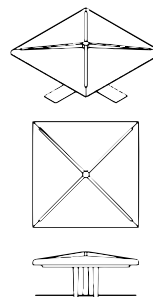
Shaft:	One-piece straight aluminum with square cross section, flat sides and minimum radius on all corners; Extruded shafts of 6061-T6 aluminum in 1/8", 3/16", or 1/4" thickness. Base plate of 356 cast aluminum
Base Cover:	Four (4) individual bolt covers provided, painted to match pole and base finish
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 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
Anchor Bolt Part Numbers:	<ul style="list-style-type: none"> • 3/4 x 30 x 3 — TAB-30-M38 • 1 x 36 x 4 — TAB-36-M38

FINISH

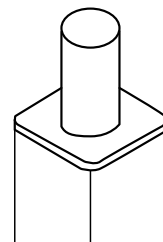
- Durable thermoset polyester powder coat paint finish with nominal 3.0 mil thickness
- Powder paint finish coat available in three standard colors; Custom colors available; RAL number preferable



POLE CAP



TENON



Example: SSAE25-40A-E2-DKBZ-VM2

SSAE

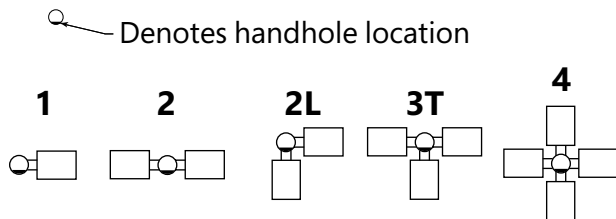
E2

SERIES	HEIGHT	SHAFT	THICKNESS	MOUNTING	POLE DRILLING	FINISH	OPTIONS
SSAE = Evolve Square Straight Aluminum Pole	8=8 ft.	40=4" Square	A=0.125"	1 = Single arm mount 2 = Two fixtures at 180° 2L = Two fixtures at 90° 3T = Three fixtures at 90° 4 = Four fixtures at 90° TA³ = Tenon (2.375" OD) TB³ = Tenon (2.875" OD) OT = Open Top (includes pole cap)	E2 = Evolve Square Pole UDP01⁴ = 3/8in HDW range 1.69 - 2.24 UDP02⁴ = 1/2in HDW range 1.69 - 2.24 UDP03⁴ = 3/8in HDW range 2.25 - 2.99 UDP04⁴ = 1/2in HDW range 2.25 - 2.99 UDP05⁴ = 3/8in HDW range 3.00 - 3.75 UDP06⁴ = 9/16in HDW range 3.00 - 3.75 UDP07⁴ = 3/8in HDW range 3.76 - 4.49 UDP08⁴ = 9/16in HDW range 3.76 - 4.49 UDP09⁴ = 3/8in HDW range 4.50 - 5.49 UDP10⁴ = 9/16in HDW range 4.50 - 5.49 UDP11⁴ = 3/8in HDW range 5.50 - 6.00 UDP12⁴ = 9/16in HDW range 5.50 - 6.00	DKBZ = Dark Bronze BLCK = Black GRAY = Gray <i>* Contact factory for custom color options</i>	GFI¹ = 20 Amp GFCI Receptacle and Cover EHH¹ = Extra Handhole C05¹ = 0.5" Coupling C07¹ = 0.75" Coupling C20¹ = 2" Coupling VM1² = Mode vibration damper VM2⁵ = 2nd mode vibration damper LAB = Less Anchor Bolts
	10=10 ft.	40=4" Square	A=0.125"				
	12=12 ft.	40=4" Square	A=0.125"				
	14=14 ft.	40=4" Square	A=0.125"				
	16=16 ft.	40=4" Square	A=0.125" B=.188"				
		60=6" Square	B=.188" C=.25"				
	18=18 ft.	40=4" Square	A=0.125" B=.188"				
		60=6" Square	B=.188" C=.25"				
	20=20 ft.	40=4" Square	A=0.125" B=.188"				
		60=6" Square	B=.188" C=.25"				
	25=25 ft.	50=5" Square	B=.188"				
		60=6" Square	B=.188" C=.25"				
	30=30 ft.	50=5" Square	B=.188"				
		60=6" Square	B=.188" C=.25"				

NOTES:

- Specify option location using MOUNTING ORIENTATION logic shown on this page.
- VM1 recommended on poles 20' and taller with EPA of less than 1. Field installed.
- Not available with VM1 - Mode Vibration Damper.
- UDP allows mounting of most popular fixtures on the market.
- Factory Installed.

MOUNTING ORIENTATION

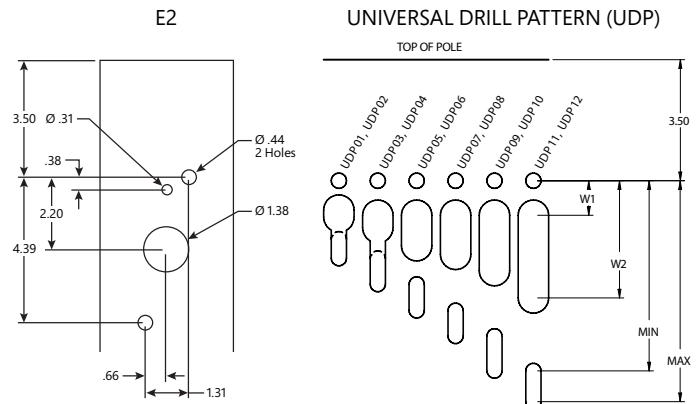


ACCESSORIES- ORDER SEPARATELY

CATALOG NUMBER	DESCRIPTION
VM1 ²	1st mode vibration damper
VM2SXX*	2nd mode vibration damper

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

DRILL PATTERNS



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	

CATALOG NUMBER	HEIGHT		NOMINAL SHAFT DIMENSIONS	WALL THICKNESS	BOLT CIRCLE (SUGGESTED)	BOLT CIRCLE (RANGE)	BOLT SQUARE (RANGE)	BASE PLATE SQUARE	ANCHOR BOLT SIZE	BOLT PROJECTION	POLE WEIGHT
	FEET	METERS									
SSAE08-40A	8	2.4	4" square	0.125"	8.5"	8.5"-9.5"	6.01"-6.72"	9.88" x 2"	3/4"x30"x3"	3"	32
SSAE10-40A	10	3.0	4" square	0.125"	8.5"	8.5"-9.5"	6.01"-6.72"	9.88" x 2"	3/4"x30"x3"	3"	37
SSAE12-40A	12	3.7	4" square	0.125"	8.5"	8.5"-9.5"	6.01"-6.72"	9.88" x 2"	3/4"x30"x3"	3"	42
SSAE14-40A	14	4.3	4" square	0.125"	8.5"	8.5"-9.5"	6.01"-6.72"	9.88" x 2"	3/4"x30"x3"	3"	47
SSAE16-40A	16	4.9	4" square	0.125"	8.5"	8.5"-9.5"	6.01"-6.72"	9.88" x 2"	3/4"x30"x3"	3"	52
SSAE18-40A	18	5.5	4" square	0.125"	8.5"	8.5"-9.5"	6.01"-6.72"	9.88" x 2"	3/4"x30"x3"	3"	57
SSAE20-40A	20	6.1	4" square	0.125"	8.5"	8.5"-9.5"	6.01"-6.72"	9.88" x 2"	3/4"x30"x3"	3"	62

SSAE16-40B	16	4.9	4" square	.188"	8.5"	8.5"-9.5"	6.01"-6.72"	9.88" x 2"	3/4"x30"x3"	3"	74
SSAE18-40B	18	5.5	4" square	.188"	8.5"	8.5"-9.5"	6.01"-6.72"	9.88" x 2"	3/4"x30"x3"	3"	80
SSAE20-40B	20	6.1	4" square	.188"	8.5"	8.5"-9.5"	6.01"-6.72"	9.88" x 2"	3/4"x30"x3"	3"	85

SSAE18-50B	18	5.5	5" square	.188"	10.5"	10.50"-11.50"	7.42"-8.13"	11.25" x 2.5"	3/4"x30"x3"	3.5"	91
SSAE20-50B	20	6.1	5" square	.188"	10.5"	10.50"-11.50"	7.42"-8.13"	11.25" x 2.5"	3/4"x30"x3"	3.5"	107
SSAE25-50B	25	7.6	5" square	.188"	10.5"	10.50"-11.50"	7.42"-8.13"	11.25" x 2.5"	3/4"x30"x3"	3.5"	130

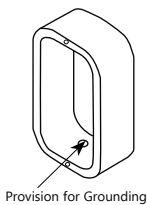
SSAE16-60B	16	4.9	6" square	.188"	12"	12.0"-13.0"	8.49"-9.19"	12.75"-2.75"	1"x36"x4"	3.75"	105
SSAE18-60B	18	5.5	6" square	.188"	12"	12.0"-13.0"	8.49"-9.19"	12.75"-2.75"	1"x36"x4"	3.75"	130
SSAE20-60B	20	6.1	6" square	.188"	12"	12.0"-13.0"	8.49"-9.19"	12.75"-2.75"	1"x36"x4"	3.75"	155
SSAE25-60B	25	7.6	6" square	.188"	12"	12.0"-13.0"	8.49"-9.19"	12.75"-2.75"	1"x36"x4"	3.75"	180
SSAE30-60B	30	9.1	6" square	.188"	12"	12.0"-13.0"	8.49"-9.19"	12.75"-2.75"	1"x36"x4"	3.75"	210

SSAE16-60C	16	4.9	6" square	.250"	12"	12.0"-13.0"	8.49"-9.19"	12.75"-2.75"	1"x36"x4"	3.75"	121
SSAE18-60C	18	5.5	6" square	.250"	12"	12.0"-13.0"	8.49"-9.19"	12.75"-2.75"	1"x36"x4"	3.75"	144
SSAE20-60C	20	6.1	6" square	.250"	12"	12.0"-13.0"	8.49"-9.19"	12.75"-2.75"	1"x36"x4"	3.75"	166
SSAE25-60C	25	7.6	6" square	.250"	12"	12.0"-13.0"	8.49"-9.19"	12.75"-2.75"	1"x36"x4"	3.75"	224
SSAE30-60C	30	9.1	6" square	.250"	12"	12.0"-13.0"	8.49"-9.19"	12.75"-2.75"	1"x36"x4"	3.75"	258

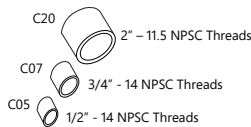
NOTES:

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.

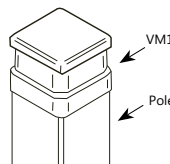
EHH EXTRA HANDHOLE



C05 - C07 - C20 - COUPLING



VM1 - VIBRATION DAMPER 1ST MODE



Field Installed Pole Top damper designed to reduce pole top deflection or sway. VM1 is recommended for pole systems 20' and taller with a total EPA of 1.0 or less.

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.

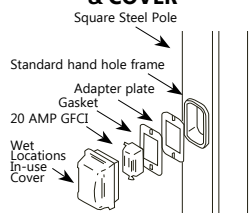
VM2SXX - VIBRATION DAMPER 2ND MODE



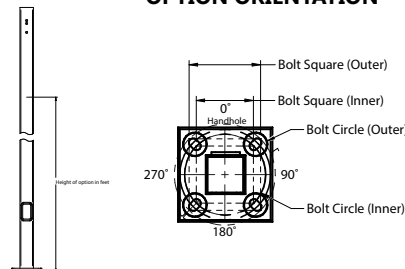
- VM2S08 - 8'
- VM2S12 - 12'
- VM2S16 - 16'
- VM2S20 - 20'
- VM2S24 - 24'

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



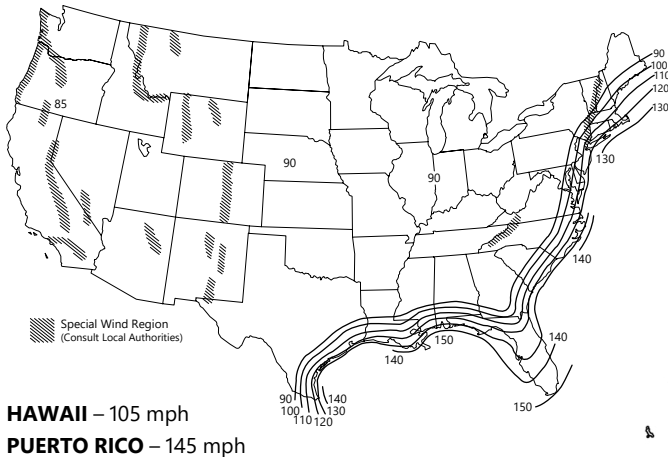
OPTION ORIENTATION



Follow the logic below when ordering location specific options. For each option, include its orientation (in degrees) and its height (in feet).

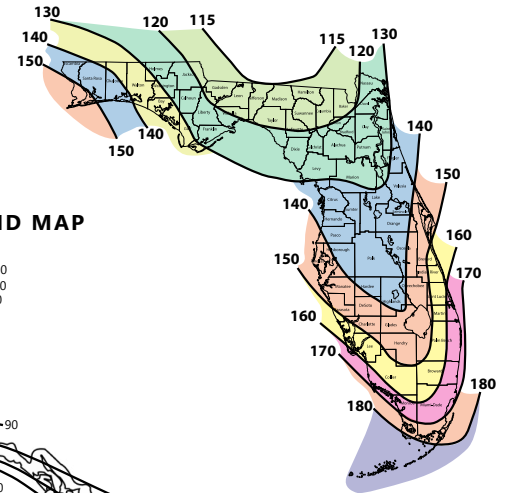
Example:
Option C07 should be ordered as: SSAE20-40A-TA-E2-DBT-C07-0-15 (5" coupling on the handhole/arm side of pole, 15 feet up from the pole base) 1' spacing required between option. Consult factory for other configurations.

ASCE7-05 WIND MAP



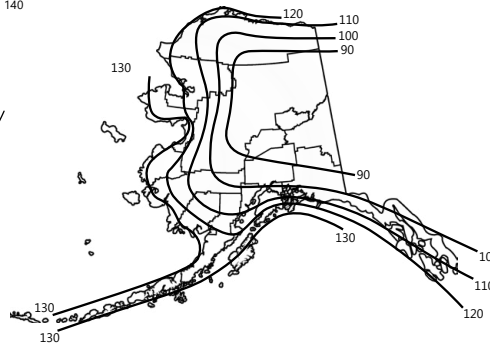
*Printed with permission from ASCE

FLORIDA REGION WIND MAP



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

ALASKA REGION WIND MAP



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
SSAE08-40A	17.3	15.2	12.0	10.7	9.6	7.7	6.2	5.0	4.5	4.0
SSAE10-40A	12.6	11.0	8.4	7.4	6.5	4.9	3.7	2.8	2.4	2.0
SSAE12-40A	9.3	7.9	5.8	4.9	4.2	2.9	1.9	1.1	0.8	0.5
SSAE14-40A	6.7	5.6	3.8	3.0	2.4	1.3	NR	NR	NR	NR
SSAE16-40A	4.7	3.7	2.1	1.4	0.9	NR	NR	NR	NR	NR
SSAE18-40A	2.9	2.1	0.6	NR	NR	NR	NR	NR	NR	NR
SSAE20-40A	1.4	0.6	NR	NR	NR	NR	NR	NR	NR	NR

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
SSAE08-40A	14.8	13.4	11.0	9.1	7.6	6.3	5.3	4.4
SSAE10-40A	10.9	9.8	7.9	6.3	5.1	4.1	3.2	2.5
SSAE12-40A	7.9	7.0	5.4	4.1	3.0	2.2	1.5	0.9
SSAE14-40A	5.6	4.8	3.4	2.3	1.4	0.6	NR	NR
SSAE16-40A	3.6	2.9	1.7	0.7	NR	NR	NR	NR
SSAE18-40A	1.8	1.2	NR	NR	NR	NR	NR	NR
SSAE20-40A	NR	NR	NR	NR	NR	NR	NR	NR

SSAE16-40B	9.2	7.7	5.4	4.5	3.7	2.3	1.2	NR	NR	NR
SSAE18-40B	6.8	5.6	3.6	2.7	2.0	0.8	NR	NR	NR	NR
SSAE20-40B	4.8	3.7	1.9	1.2	0.6	NR	NR	NR	NR	NR

SSAE16-40B	7.7	6.7	4.9	3.5	2.4	1.5	0.7	NR
SSAE18-40B	5.4	4.5	3.0	1.8	0.8	NR	NR	NR
SSAE20-40B	3.5	2.7	1.3	NR	NR	NR	NR	NR

SSAE18-50B	12.9	10.9	7.6	6.3	5.1	3.2	1.7	0.5	NR	NR
SSAE20-50B	9.8	8.1	5.2	4.0	3.0	1.3	NR	NR	NR	NR
SSAE25-50B	4.0	2.7	0.5	NR	NR	NR	NR	NR	NR	NR

SSAE18-50B	10.6	9.2	6.8	4.9	3.3	2.0	1.0	NR
SSAE20-50B	7.8	6.5	4.4	2.7	1.3	NR	NR	NR
SSAE25-50B	2.2	1.2	NR	NR	NR	NR	NR	NR

SSAE16-60B	25.0	22.3	16.9	14.7	12.7	9.6	7.0	5.0	4.2	3.4
SSAE18-60B	20.7	17.7	13.0	11.0	9.3	6.5	4.3	2.6	1.8	1.1
SSAE20-60B	16.4	13.8	9.6	7.9	6.4	3.9	2.0	NR	NR	NR
SSAE25-60B	8.3	6.3	3.1	1.8	0.7	NR	NR	NR	NR	NR
SSAE30-60B	2.5	0.8	NR	NR	NR	NR	NR	NR	NR	NR

SSAE20-60B	25.0	25.0	25.0	21.9	17.8	14.5	11.7	9.4
SSAE25-60B	23.8	20.9	16.1	12.3	9.2	6.6	4.5	2.8
SSAE30-60B	14.6	12.3	8.4	5.3	2.8	0.8	NR	NR
SSAE35-60B	7.5	5.6	2.4	NR	NR	NR	NR	NR
SSAE40-60B	1.8	NR	NR	NR	NR	NR	NR	NR

SSAE16-60C	25.0	25.0	24.5	21.5	19.0	14.9	11.6	9.0	7.9	6.8
SSAE18-60C	25.0	25.0	19.5	17.1	14.9	11.2	8.3	6.0	5.1	4.2
SSAE20-60C	24.2	20.9	15.4	13.2	11.2	8.0	5.5	3.5	2.6	1.8
SSAE25-60C	14.2	11.6	7.5	5.8	4.3	1.9	NR	NR	NR	NR
SSAE30-60C	7.1	5.0	1.7	NR	NR	NR	NR	NR	NR	NR

SSAE16-60C	25.0	25.0	22.8	18.6	15.2	12.5	10.1	8.2
SSAE18-60C	25.0	22.5	18.0	14.3	11.3	9.0	7.0	5.3
SSAE20-60C	20.4	18.0	14.0	10.8	8.2	6.0	4.3	2.8
SSAE25-60C	11.2	9.3	6.2	3.8	1.8	NR	NR	NR
SSAE30-60C	4.3	2.9	NR	NR	NR	NR	NR	NR

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.