



Date: _____ Catalog: No: _____

Prepared By: _____ Project: _____

UNIVERSAL REPLACEMENT SQUARE STRAIGHT STEEL POLES

Unite is proud to offer a wide range of electro-welded ASTM-A500 Grade C steel poles. All of Unite's poles designed and manufactured in the USA and available to ship in as little as 5 days from our convenient location in the midwest.



ORDERING INFORMATION

Example: UP4SQ - B5 - S11G - 10 - S - BRZ

Pole Series	Mounting	Material	Height	Mounting CFG	Finish	Options
UP4SQU 4"x" Sq Straight	BOM Bolt-On-Mount	S11G 11 Ga Steel	8'	S Single/Parallel	BRZ Bronze	GA Galvanized
UP5SQU 5"x" Sq Straight	B5 5" Traditional Drilling Pattern	(4 and 5 SQ only)	10'	D180 Double	BLK Black	Anchor Bolts
UP6SQU 6"x" Sq Straight	B3 3" Reduced Drilling Pattern	S07G 07 Ga Steel	12'	D90 Double	PLP Bronze	SF Single Flood
	B2 2" Reduced Drilling Pattern		13'	TN90 Double	WHT White	DF Double Flood
	T Tenon Mount		14'	T90 Triple	SVG Satin Verde	DGP DuraGrip®Plus
	I No Mounting Holes		15'	TN120 Triple	Green	LAB Less Anchor Bolts
	Use with:		16'	Q90 Quad	GPT Graphite	CRXX Conduit Raceway
	BKA 4ISF & BKA 5ISF		17'	QN90 Quad	MSV Metallic Silver	
	BKA X4ISF & BKA X5ISF		17' 6"	N Tenon Mount (standard tenon size is 2-3/8" O.D)		
			18'			
			20'			
			22'			
			22' 6"			
			23'			
			24'			
			25'			
			26'			
			27'			
			28'			
			30'			
			32'			
			35'			
			39'			

Footnotes

BOM - See pole selection guide for patterns and fixture matches.

T - See pole selection guide for tenon and fixture/bracket matches.

I - See Area Light Brackets - 3" Reduced Drill Pattern and Area Light Brackets - 5" Traditional Drill Pattern spec sheets. Restriction, Consult Pole Selection Chart.

SF and DF - Standard SF and DF pole preparations are located 3/4 of the height of the pole from the base, except on 20' poles. Maximum height for SF and DF pole preparations on 20' poles is 13' from the base.

CR - CR selection must indicate required height and side of pole mounting location. Mounting template required at time of order.

Optional Accessory Information

Please contact Unite Ltg for specific part numbers for accessories as options vary greatly dependant upon choices made above. Unite will be pleased to provide detail on all accessories ordered.

Description

4BC - 4" Square Base Cover

5BC - 5" Square Base Cover

6BC - 6" Square Base Cover

ER2 - Weatherproof Duplex Receptacle

GFI - Ground Fault Circuit Receptacle

MH5 - Mounting Hole Plugs for use with 5" traditional drill pattern (3 set of 3 plugs)

MH3 - Mounting Hole Plugs for use with 3" traditional drill pattern (3 set of 3 plugs)

MH2 - Mounting Hole Plugs for use with 2" traditional drill pattern (3 set of 3 plugs)

Description

Vibration Damper - 4" Square Pole (bolt-on mount only)

Vibration Damper - 5" Square Pole (bolt-on mount only)

Vibration Damper - 6" Square Pole (bolt-on mount only)

ABKIT - Standard Anchor Bolt Kit

GABKIT - Galvanized Anchor Bolt Kit

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FEATURES & SPECIFICATIONS

Pole Shaft

- Straight poles are 4", 5", or 6" squares
- Pole shaft is electro-welded ASTM-A500
- Grade C steel tubing with a minimum yield strength of 50,000 psi.
- On Tenon Mount steel poles, tenon is 2-3/8" O.D. high-strength pipe.
- Tenon is 4-3/4" in length.

Hand Hole

- Standard hand-hole location is 12" above pole base. Two-piece square base cover is optional.
- Poles 22' and above have a 3" x 6" reinforced hand-hole. Shorter poles have a 2" x 4" non-reinforced hand-hole.

Base

- Pole base is ASTM-A36 hot-rolled steel plate with a minimum yield strength of 36,000 psi.
- Two-piece square base cover is optional.

Anchor Bolts

- Poles are available with anchor bolt featuring zinc-plated double nuts and washers. Galvanized anchor bolts are also available. Poles 22' and above have a 3" x 6" reinforced hand-hole. Shorter poles have a 2" x 4" non-reinforced hand-hole.
- Anchor bolts conform to ASTM F 1554-07 a Grade 55 with a minimum yield strength of 55,000 psi.

Ground Lug

- Ground lug is standard.

Duplex Receptacle

- Weatherproof duplex receptacle is optional.

Ground Fault Circuit Interrupter

- Self-testing Ground fault circuit interrupter is optional.

Pole Vibration Damper

- A pole vibration damper is recommended in open terrain areas of the country where low steady state winds are common.
- Non-tapered poles and lightly loaded poles are more susceptible to destructive vibration if a damper is not installed.

Finishes

- Every pole is provided with a 5-year limited warranty: Poles 22' and above have a 3" x 6" reinforced hand-hole. Shorter poles have a 2" x 4" non-reinforced hand-hole.

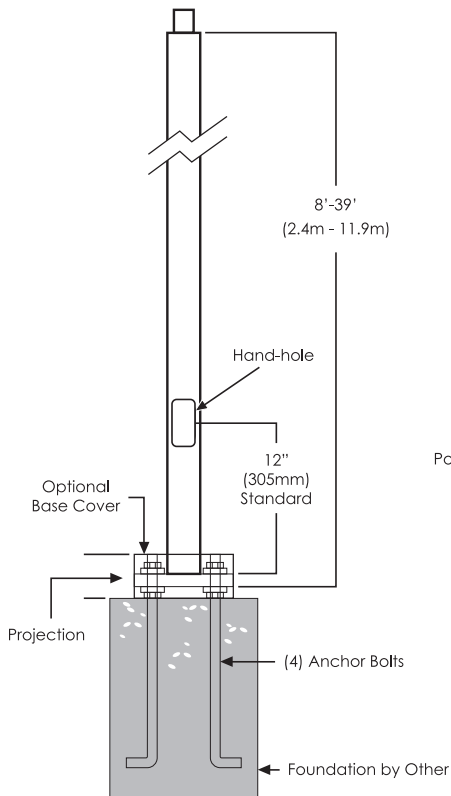
Determining The Luminaire/Pole Combination For Your Application:

- Select luminaire from luminaire ordering information
- Select bracket configuration if required
- Determine EPA value from luminaire/bracket EPA chart
- Select pole height
- Select MPH to match wind speed in the application area (See wind-speed maps).
- Confirm pole EPA equal to or exceeding value of luminaire/bracket EPA
- Consult factory for special wind load requirements and banner brackets

PRODUCT DIMENSIONS

SQT –

N= 2-3/8" (60mm) O.D. x 4-3/4" (121mm) Tenon



SF –

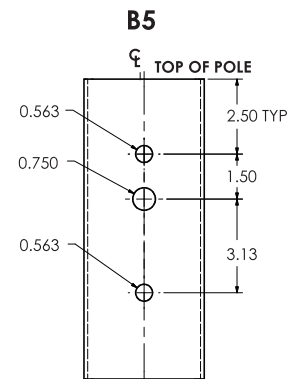
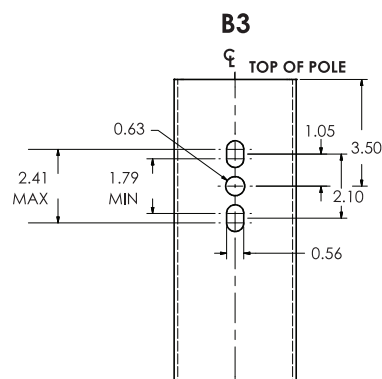
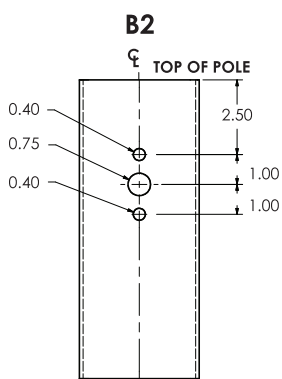
Single Flood Pole Preparation



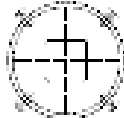
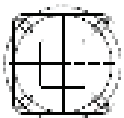
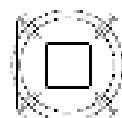
SHIPPING WEIGHTS

4"(102mm) sq. 11 Ga is approximately	7.50 lbs/ft
4"(102mm) sq. 07 Ga is approximately	11.00 lbs/ft
5"(127mm) sq. 11 Ga is approximately	9.00 lbs/ft
5"(127mm) sq. 07 Ga is approximately	12.50 lbs/ft
6"(152mm) sq. 07 Ga is approximately	15.40 lbs/ft
Anchor Bolts (3/4" x 30") (19mm x 762mm)	15 lbs.(7kg)/set
Anchor Bolts (1" x 36") (25mm x 914mm)	30 lbs.(7kg)/set

Bolt-On Mount 2-Bolt Pattern



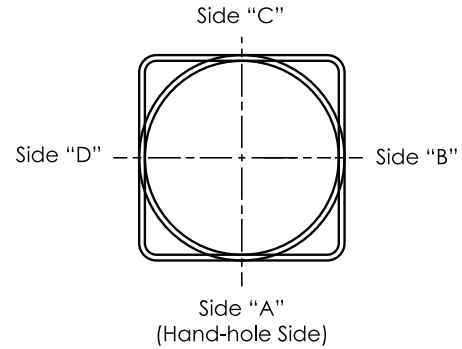
BOLT CIRCLE

	4" (102mm) square 10-1/2" (267mm) sq. 	6" (127mm) square 11-1/8" (283mm) sq. 	6" (127mm) square 11-3/4" (298mm) sq. 	6" (152mm) square 12-1/2" (318mm) sq. 
Bolt Circle Designator	E	F	G	H
Bolt Circle	Slotted 11"-12" (279mm-305mm)	Slotted 11"-13" (279mm-330mm)	Slotted 11"-13" (279mm-330mm)	Slotted 11"-14" (279mm-356mm)
Anchor Bolt Spc.	3/4" x 30" (19mm x 762mm)	3/4" x 30" (19mm x 762mm)	1" x 30" (25mm x 762mm)	1" x 30" (25mm x 762mm)
Anchor Bolt Projection	3-1/4" (83mm)	3-1/4" (83mm)	4" (102mm)	4" (102mm)
Base Plate Opening for Walkway Entry	4-1/8" (103mm)	5-1/8" (133mm)	5-1/8" (133mm)	6-1/8" (159mm)
Base Plate Dimensions	10-1/2" sq. x 3/4" thick (267mm x 19mm)	11-1/8" sq. x 3/4" thick (283mm x 19mm)	11-3/4" sq. x 1" thick (298mm x 25mm)	12-1/2" sq. x 1-1/8" thick (318mm x 29mm)
Pole Gauge	11	11	1	7

Note: Base plate illustrations may change without notice. Do not use for setting anchor bolts. Consult factory for the appropriate anchor bolt template.

DRILLING LOCATIONS

Sides	A	B	C	D
Hand-hole	X			
Single	X			
D180		X		X
D90	X			X
DN90 ¹				
T90	X	X		X
TN120 ²				
Q90	X	X	X	X
QN90 ³				
Single FBO	X			
Double FBO		X		X



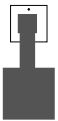
- Two locations will be 45° to the left and right of Side A
- Other two locations will be 120° to the left and right of Side A
- Two locations will be 45° to the left and right of Side A and two

Consult Unitepoles for custom variations.

Standard SF and DF pole preparations are located 3/4 of the height of the pole from the base, except on 20' poles.

Maximum height for SF and DF pole preparations on 20' poles is

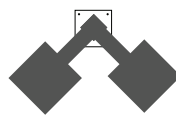
FIXTURE CONFIGURATIONS



Single



D90



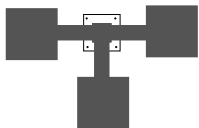
DN90



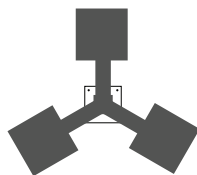
DN180



Parallel



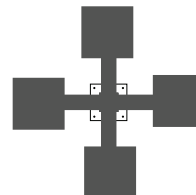
T90



TN120



QN90



Q90

WIND SPEEDS

EPA INFORMATION

All Unitepoles are guaranteed to meet the EPA requirements listed. Unitepoles is not responsible if a pole order has a lower EPA rating than the indicated wind-loading zone where the pole will be located.

CAUTION:

This guarantee does not apply if the pole/bracket/fixture combination is used to support any other items such as flags, pennants, or signs, which would add stress to the pole. Unitepoles cannot accept responsibility for harm or damage caused in these situations.

NOTE:

Pole calculations include a 1.3 gust factor over steady wind velocity. Example: poles designed to withstand 80 MPH steady wind will withstand gusts to 104 MPH. EPAs are for locations 100 miles away from hurricane ocean lines. Consult Unitepoles for other areas.

Note: Hurricane ocean lines are the Atlantic and Gulf of Mexico coastal areas. For applications in Florida or Canada, consult factory.

Pole	Height (ft)	Wind (mph)	EPA (ft)	WIND SPEED		WIND									
				Direction	Wind (ft)	Wind (ft)	100 MPH	105 MPH	110 MPH	115 MPH	120 MPH	125 MPH	130 MPH	135 MPH	140 MPH
Unitepole 10	10	11	6	10'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 12	12	11	6	12'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 14	14	11	6	14'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 16	16	11	6	16'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 18	18	11	6	18'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 20	20	11	6	20'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 22	22	11	6	22'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 24	24	11	6	24'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 26	26	11	6	26'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 28	28	11	6	28'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 30	30	11	6	30'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 32	32	11	6	32'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 34	34	11	6	34'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 36	36	11	6	36'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 38	38	11	6	38'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 40	40	11	6	40'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 42	42	11	6	42'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 44	44	11	6	44'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 46	46	11	6	46'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 48	48	11	6	48'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 50	50	11	6	50'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 52	52	11	6	52'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 54	54	11	6	54'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 56	56	11	6	56'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 58	58	11	6	58'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 60	60	11	6	60'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 62	62	11	6	62'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 64	64	11	6	64'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 66	66	11	6	66'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 68	68	11	6	68'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 70	70	11	6	70'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 72	72	11	6	72'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 74	74	11	6	74'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 76	76	11	6	76'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 78	78	11	6	78'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 80	80	11	6	80'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 82	82	11	6	82'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 84	84	11	6	84'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 86	86	11	6	86'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 88	88	11	6	88'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 90	90	11	6	90'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 92	92	11	6	92'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 94	94	11	6	94'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 96	96	11	6	96'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 98	98	11	6	98'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 100	100	11	6	100'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 102	102	11	6	102'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 104	104	11	6	104'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 106	106	11	6	106'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 108	108	11	6	108'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 110	110	11	6	110'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 112	112	11	6	112'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 114	114	11	6	114'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 116	116	11	6	116'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 118	118	11	6	118'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 120	120	11	6	120'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 122	122	11	6	122'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 124	124	11	6	124'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 126	126	11	6	126'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 128	128	11	6	128'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 130	130	11	6	130'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 132	132	11	6	132'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 134	134	11	6	134'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 136	136	11	6	136'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 138	138	11	6	138'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 140	140	11	6	140'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 142	142	11	6	142'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 144	144	11	6	144'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 146	146	11	6	146'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 148	148	11	6	148'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 150	150	11	6	150'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 152	152	11	6	152'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 154	154	11	6	154'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 156	156	11	6	156'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 158	158	11	6	158'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 160	160	11	6	160'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 162	162	11	6	162'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 164	164	11	6	164'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 166	166	11	6	166'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 168	168	11	6	168'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Unitepole 170	170	11	6	170'	2.6	2.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0</

WIND SPEEDS

[illegible]

[illegible]