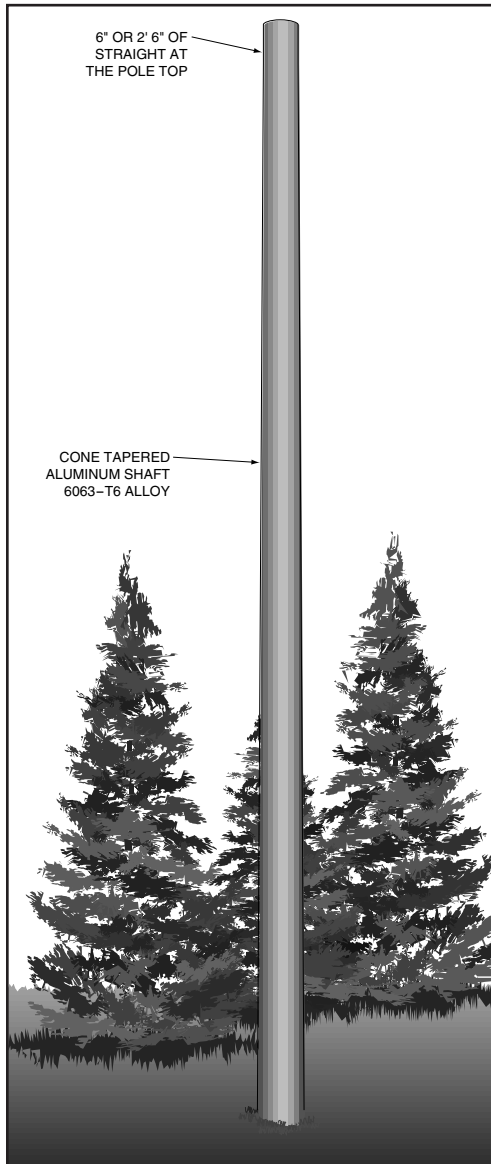


# 8' TO 30' ROUND TAPERED EMBEDDED (DIRECT BURIAL) POLES



- 8' to 30' mounting heights.
- Tenons, brackets, and arms designed for single or multiple luminaire mounting.
- Luminaires may be mounted on tenons, brackets or shaft may be drilled to manufacturer's mounting specifications.

## SPECIFICATIONS

All aluminum alloys shall comply with metallurgical and mechanical properties set forth in the Aluminum Association Standards.

**Shaft:** The shaft shall be spun tapered from all new seamless 6063 alloy aluminum tubing and shall be heat treated to produce a T6 temper. Each shaft shall have a minimum of 6" straight length at the top. Top straight section serves as a slipfitter for a luminaire or for the hub of the appropriate Valmont bracket or tapered arm. Alternatively, the straight section may be drilled for mounting luminaires. The shaft shall be cone tapered to the base diameter. All Valmont shafts shall be polished with fine grain aluminum oxide cloths, resulting in a high quality circumferential satin brushed finish. After finishing, each pole shall be wrapped for protection in shipment.

**Direct Embedment:** Unless otherwise specified, the length of the embedded section of a 4" diameter shaft shall be 3', 5" and 6" shall be 4', 7" and 8" shall be 5'. A 1-1/2" diameter grommetted wire inlet hole located 1' 6" below grade shall be included. The embedded section of the pole shall be coated inside and outside with zinc rich paint.

**Special Finishes:** Natural anodize, duranodic, or painted finishes may be specified as an addition to the satin brushed finish, if required. All aluminum parts and accessories shall receive a finish similar to that specified.

**Ground Lug:** Each pole shall include a 5/16"-18 tapped provision for ground connector.

**Handhole:** Available as an option.

**Anti-Rotation Device:** Available as an option.

## CATALOG LOGIC

Feet and Inches	Top Diameter	Base Diameter	Wall Thickness	Shape of Shaft	Base or Mounting	Fixture Mounting	Finishes	Options
				T	E			

Feet & Inches*	Diameter*	Wall Thickness*	Shape of Shaft	Base or Mounting	Fixture Mounting	Finishes	Options
0708 - 8'	TOP DIAMETER IN INCHES	THICKNESS IN 32NDS OF AN INCH	T - Tapered Round	E - Embedded	D1 - 1@90° D2 - 2@180° D3 - 3@120° D4 - 4@90° D5 - 2@90° D6 - 3@90° P2 - 2-3/8" x 4 Tenon P9 - Other Tenon (Please Specify)	POLYESTER POWDER DBL - Black DCG - Charcoal Gray DMB - Med Bronze DSB - Steel Blue DTG - Dark Green SC - Special Color (Please Specify) ANODIZED 204 - Clear Natural 312 - Med Bronze* 335 - Black*	DBR - Bright Red DDB - Dark Bronze DNA - Natural Alum DSS - Sandstone DWH - White 311 - Light Bronze* 313 - Dark Bronze* * Duranodic Anodize BRUSHED SBF - Satin Brushed Finish
0908 - 10'	30 - 3"	4 - 4/32" or 0.125" Wall					
1108 - 12'	40 - 4"	5 - 5/32" or 0.156" Wall					
1308 - 14'	45 - 4-1/2"	6 - 6/32" or 0.188" Wall					
1508 - 16'	BASE DIAMETER* IN INCHES						
1708 - 18'	40 - 4"						
1908 - 20'	50 - 5"						
2408 - 25'	60 - 6"						
2908 - 30'	70 - 7" 80 - 8"						

\* For available Base Diameter, Wall Thickness and Length Combinations, see Dimensional Load Data Table that follows.

Customer Approval:

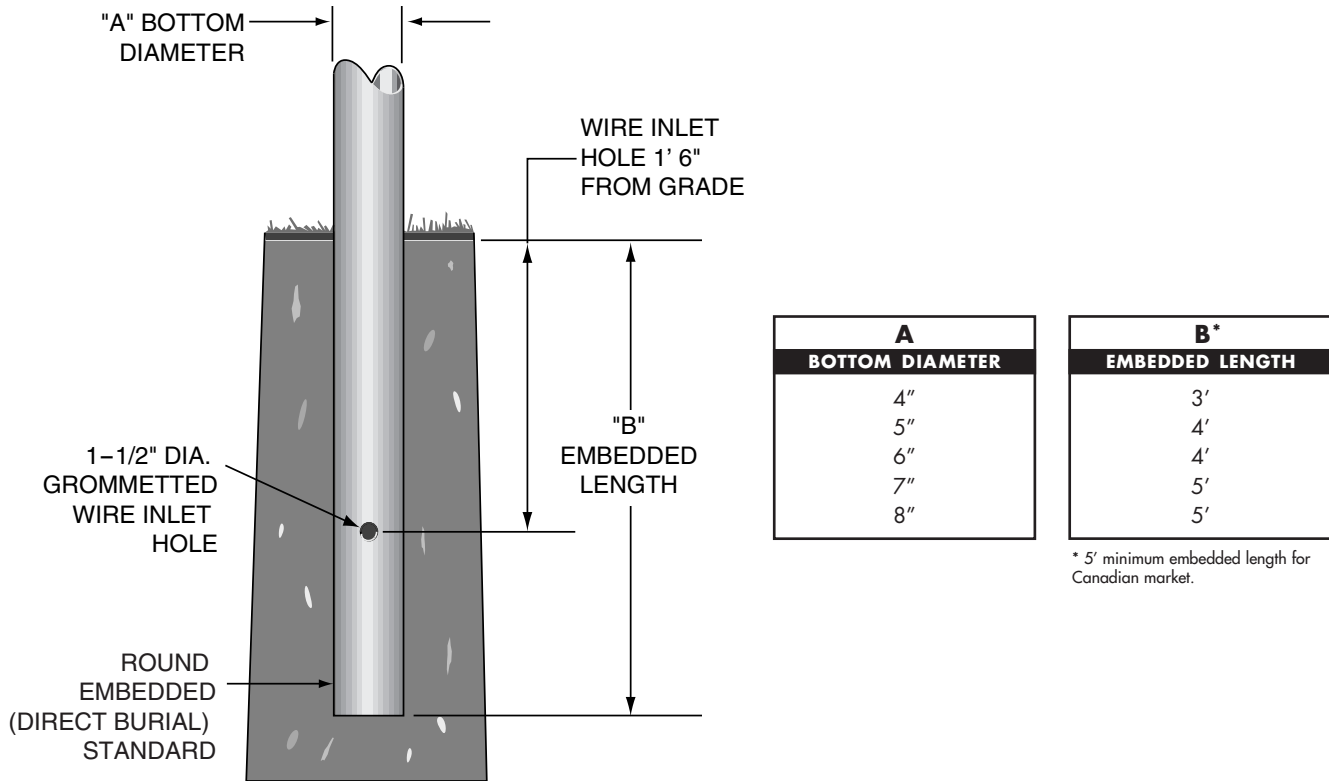
signature

date

Job Name: _____	Quote: _____
Client Name: _____	
Created By: _____	Date: _____

# 8' TO 30' ROUND TAPERED EMBEDDED (DIRECT BURIAL) POLES

## ANCHOR BASE AND BOLT DETAIL



## DIMENSIONAL AND LOAD DATA

TYPICAL WEIGHT AND ALLOWABLE SIZE OF LUMINAIRES*							DIMENSIONS OF POLES					
NOMINAL MOUNTING HEIGHT	TYPICAL LUMINAIRE WEIGHT (LBS.)	EFFECTIVE PROJECTED AREA IN SQUARE FEET AT:					EXPOSED HEIGHT	OVERALL SHAFT LENGTH	TOP	BASE	WALL	MODEL NUMBER**
		70 MPH	80 MPH	90 MPH	100 MPH	110 MPH						
8'	75	19.1	14.4	11.1	8.8	7.1	7'8"	10'8"	3"	4"	.125"	0708-30404TE
10'	75	14.3	10.6	8.1	6.3	5.0	9'8"	12'8"	3"	4"	.125"	0908-30404TE
12'	75	11.0	8.0	6.0	4.5	3.5	11'8"	14'8"	3"	4"	.125"	1108-30404TE
12'	75	18.5	13.8	10.5	8.3	6.6	11'8"	15'8"	3"	5"	.125"	1108-30504TE
14'	75	8.5	6.0	4.4	3.2	2.4	13'8"	16'8"	3"	4"	.125"	1308-30404TE
14'	75	14.8	10.8	8.2	6.3	5.0	13'8"	17'8"	3"	5"	.125"	1308-30504TE
16'	75	7.1	5.0	3.5	2.4	1.7	15'8"	18'8"	3"	4"	.125"	1508-30404TE
16'	75	12.0	8.6	6.4	4.8	3.8	15'8"	19'8"	3"	5"	.125"	1508-30504TE
16'	75	15.3	11.1	8.4	6.5	5.1	15'8"	19'8"	3"	5"	.156"	1508-30505TE
18'	75	9.7	6.7	4.9	3.6	2.7	17'8"	21'8"	3"	5"	.125"	1708-30504TE
18'	150	12.2	8.7	6.4	4.9	3.8	17'8"	21'8"	3"	5"	.156"	1708-30505TE
18'	150	19.1	14.1	10.8	8.5	6.9	17'8"	21'8"	4"	6"	.156"	1708-40605TE
20'	75	8.2	5.5	3.8	2.6	1.9	19'8"	23'8"	3"	5"	.125"	1908-30504TE
20'	75	10.4	7.2	5.1	3.7	2.8	19'8"	23'8"	3"	5"	.156"	1908-30505TE
25'	150	10.5	7.1	5.1	3.8	2.9	24'8"	28'8"	4"	6"	.156"	2408-40605TE
25'	150	13.5	9.4	6.9	5.3	4.2	24'8"	28'8"	4"	6"	.188"	2408-40606TE
30'	150	11.1	7.5	5.3	4.0	3.0	29'8"	34'8"	4"	7"	.156"	2908-40705TE
30'	150	16.7	12.0	9.1	7.0	5.5	29'8"	34'8"	4.5"	8"	.156"	2908-45805TE

\* EPA calculations are based on a 1.3 Gust Factor. Variations from sizes listed above, available upon inquiry at the factory. Satisfactory performance of lighting poles is dependent upon the pole being properly attached to a supporting foundation of adequate design. Valmont does not design or offer recommendations for foundations.  
\*\* Model number does not include mounting options or finish designation.

SPC7073 08/07 www.valmontstructures.com carries the most current spec. information and supersedes these guidelines.