

|                                         |                                      |
|-----------------------------------------|--------------------------------------|
| Job Name: _____                         | Client Name: _____                   |
| Job Location - City: _____ State: _____ | Created By: _____ Date: _____        |
| Product: _____ Quote: _____             | Customer Approval: _____ Date: _____ |

## SPECIFICATIONS

**Pole** - The pole shaft is spun from seamless alloy aluminum.

**Pole Top** - A pole top tenon is provided for top mount luminaire and/or bracket. A removable pole cap is available for poles receiving drilling patterns for side-mount luminaire arm assemblies.

**Handhole** - A covered handhole with hardware and grounding provision are provided.

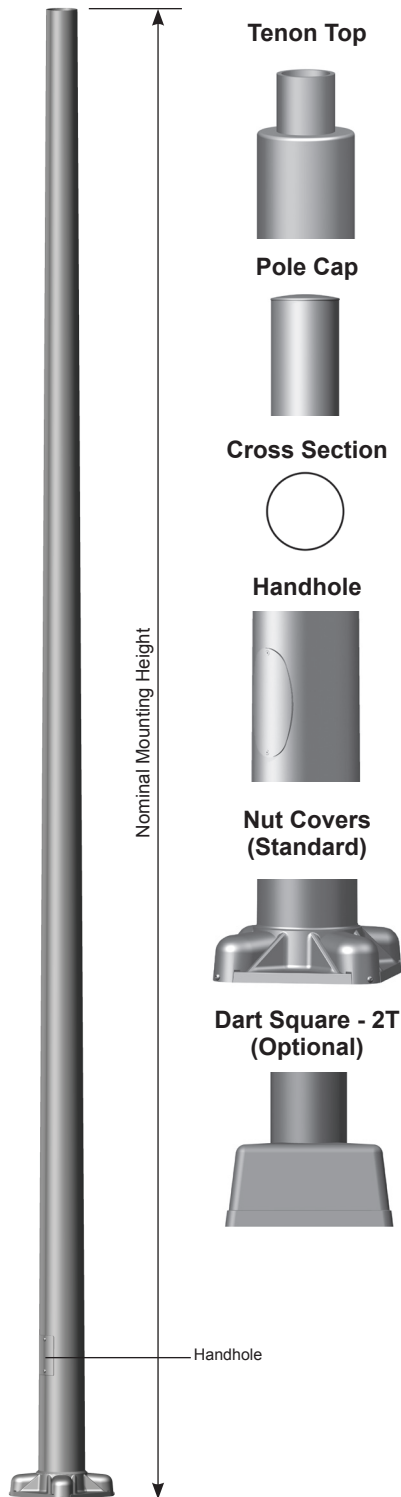
**Base Cover** - Optional Dart Square-2T cast and decorative base covers available as special order.

**Anchor Base** - The anchor base is cast from 356 alloy aluminum. The completed assembly is heat-treated to a T6 temper. Aluminum nut covers are included with anchor base unless otherwise specified.

**Anchor Bolts** - Anchor bolts conform to ASTM F1554 Grade 55 and are provided with two hex nuts and two flat washers. Bolts have an "L" bend on one end and are galvanized a minimum of 12" on the threaded end.

**Finish** - The standard finish for the pole assembly and components is satin brushed, natural anodize, duranodic or polyester powder applied coating in accordance with Valmont's Specifications. Additional finish options available upon request.

**Design Criteria** - Please reference Design Criteria Specification for appropriate design conditions.



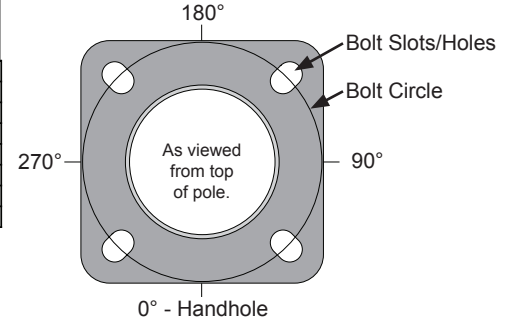
# 28' to 33' ROUND TAPERED ALUMINUM 4-Bolt Anchor Base

|                                         |                                      |
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## ANCHORAGE DATA

| POLE         |               | BASE PLATE  |        |             |          | ANCHOR BOLTS             |                 |          |
|--------------|---------------|-------------|--------|-------------|----------|--------------------------|-----------------|----------|
| BASE OD (IN) | WALL THK (IN) | BOLT CIRCLE |        | SQUARE (IN) | THK (IN) | DIA X LENGTH X HOOK (in) | PROJECTION (IN) | +/- (IN) |
|              |               | DIA (IN)    | ± (IN) |             |          |                          |                 |          |
| 7.00         | 0.156         | 10.56       | 0.43   | 11.26       | 0.750    | 1.00 x 36.00 x 4.00      | 4.13            | N/A      |
| 8.00         | 0.156         | 11.63       | 0.37   | 12.05       | 0.750    | 1.00 x 36.00 x 4.00      | 4.13            | N/A      |
| 8.00         | 0.188         | 11.63       | 0.37   | 12.05       | 0.750    | 1.00 x 36.00 x 4.00      | 4.13            | N/A      |
| 8.00         | 0.250         | 11.63       | 0.37   | 12.05       | 0.750    | 1.00 x 36.00 x 4.00      | 4.13            | N/A      |
| 9.00         | 0.156         | 13.25       | 0.75   | 12.48       | 1.250    | 1.00 x 36.00 x 4.00      | 4.13            | N/A      |
| 9.00         | 0.188         | 13.25       | 0.75   | 12.48       | 1.250    | 1.00 x 36.00 x 4.00      | 4.13            | N/A      |
| 10.00        | 0.188         | 14.25       | 0.75   | 13.19       | 1.250    | 1.00 x 36.00 x 4.00      | 4.75            | N/A      |
| 10.00        | 0.250         | 14.50       | 0.50   | 14.00       | 1.250    | 1.25 x 42.00 x 6.00      | 5.25            | N/A      |

Anchor Base Detail



## LOAD AND DIMENSIONAL DATA

| DESIGN INFORMATION            |                                    |                        |                                    |                        |                                    |                        |                                    |                        |                                    |                        | POLE DIMENSIONS |                    |                   |                     |                                           |                 |
|-------------------------------|------------------------------------|------------------------|------------------------------------|------------------------|------------------------------------|------------------------|------------------------------------|------------------------|------------------------------------|------------------------|-----------------|--------------------|-------------------|---------------------|-------------------------------------------|-----------------|
| NOMINAL<br>MOUNTING<br>HEIGHT | 70 MPH<br>w/1.3 GUST               |                        | 80 MPH<br>w/1.3 GUST               |                        | 90 MPH<br>w/1.3 GUST               |                        | 100 MPH<br>w/1.3 GUST              |                        | 110 MPH<br>w/1.3 GUST              |                        | POLE<br>HEIGHT  | BASE<br>OD<br>(IN) | TOP<br>OD<br>(IN) | WALL<br>THK<br>(IN) | STRUCTURE<br>WEIGHT <sup>2</sup><br>(LBS) | MODEL<br>NUMBER |
|                               | MAX<br>EPA <sup>1</sup><br>(SQ FT) | MAX<br>WEIGHT<br>(LBS) | MAX<br>EPA <sup>1</sup><br>(SQ FT) | MAX<br>WEIGHT<br>(LBS) | MAX<br>EPA <sup>1</sup><br>(SQ FT) | MAX<br>WEIGHT<br>(LBS) | MAX<br>EPA <sup>1</sup><br>(SQ FT) | MAX<br>WEIGHT<br>(LBS) | MAX<br>EPA <sup>1</sup><br>(SQ FT) | MAX<br>WEIGHT<br>(LBS) |                 |                    |                   |                     |                                           |                 |
| 28'-0"                        | 10.5                               | 150                    | 7.1                                | 150                    | 5.0                                | 150                    | 3.7                                | 150                    | 2.8                                | 150                    | 27'-8"          | 7.00               | 4.00              | 0.156               | 92                                        | +270840705T4    |
|                               | 15.5                               | 150                    | 11.1                               | 150                    | 8.3                                | 150                    | 6.5                                | 150                    | 5.1                                | 150                    | 27'-8"          | 8.00               | 4.50              | 0.156               | 105                                       | 270845805T4     |
|                               | 19.6                               | 150                    | 14.3                               | 150                    | 10.8                               | 150                    | 8.5                                | 150                    | 6.8                                | 150                    | 27'-8"          | 8.00               | 4.50              | 0.188               | 124                                       | 270845806T4     |
|                               | 27.4                               | 150                    | 20.2                               | 150                    | 15.5                               | 150                    | 12.3                               | 150                    | 9.9                                | 150                    | 27'-8"          | 8.00               | 4.50              | 0.250               | 161                                       | 270845808T4     |
|                               | 21.4                               | 150                    | 15.7                               | 150                    | 12.0                               | 150                    | 9.4                                | 150                    | 7.5                                | 150                    | 27'-8"          | 9.00               | 4.50              | 0.156               | 116                                       | 270845905T4     |
|                               | 26.8                               | 150                    | 19.8                               | 150                    | 15.2                               | 150                    | 12.0                               | 150                    | 9.7                                | 150                    | 27'-8"          | 9.00               | 4.50              | 0.188               | 137                                       | 270845906T4     |
|                               | 34.5                               | 200                    | 26.0                               | 200                    | 20.2                               | 200                    | 16.0                               | 200                    | 12.9                               | 200                    | 27'-8"          | 10.00              | 6.00              | 0.188               | 161                                       | 270860106T4     |
|                               | 46.6                               | 300                    | 35.3                               | 300                    | 27.5                               | 300                    | 22.0                               | 300                    | 17.8                               | 300                    | 27'-8"          | 10.00              | 6.00              | 0.250               | 217                                       | 270860108T4     |
| 30'-0"                        | 8.8                                | 150                    | 5.7                                | 150                    | 3.8                                | 150                    | 2.7                                | 150                    | 2.0                                | 150                    | 29'-8"          | 7.00               | 4.00              | 0.156               | 99                                        | +290840705T4    |
|                               | 13.3                               | 150                    | 9.3                                | 150                    | 6.9                                | 150                    | 5.3                                | 150                    | 4.1                                | 150                    | 29'-8"          | 8.00               | 4.50              | 0.156               | 113                                       | +290845805T4    |
|                               | 17.1                               | 150                    | 12.2                               | 150                    | 9.2                                | 150                    | 7.1                                | 150                    | 5.6                                | 150                    | 29'-8"          | 8.00               | 4.50              | 0.188               | 134                                       | 290845806T4     |
|                               | 18.8                               | 150                    | 13.6                               | 150                    | 10.3                               | 150                    | 8.0                                | 150                    | 6.3                                | 150                    | 29'-8"          | 9.00               | 4.50              | 0.156               | 127                                       | +290845905T4    |
|                               | 23.7                               | 150                    | 17.4                               | 150                    | 13.3                               | 150                    | 10.4                               | 150                    | 8.3                                | 150                    | 29'-8"          | 9.00               | 4.50              | 0.188               | 149                                       | 290845906T4     |
|                               | 24.2                               | 150                    | 17.7                               | 150                    | 13.6                               | 150                    | 10.7                               | 150                    | 8.6                                | 150                    | 29'-8"          | 8.00               | 4.50              | 0.250               | 174                                       | 290845808T4     |
|                               | 30.9                               | 200                    | 23.2                               | 200                    | 17.9                               | 200                    | 14.1                               | 200                    | 11.3                               | 200                    | 29'-8"          | 10.00              | 6.00              | 0.188               | 175                                       | 290860106T4     |
|                               | 41.9                               | 300                    | 31.7                               | 300                    | 24.6                               | 300                    | 19.6                               | 300                    | 15.8                               | 300                    | 29'-8"          | 10.00              | 6.00              | 0.250               | 235                                       | 290860108T4     |
| 33'-0"                        | 10.4                               | 150                    | 7.1                                | 150                    | 5.1                                | 150                    | 3.8                                | 150                    | 2.9                                | 150                    | 32'-8"          | 8.00               | 4.50              | 0.156               | 124                                       | +320845805T4    |
|                               | 13.8                               | 150                    | 9.7                                | 150                    | 7.1                                | 150                    | 5.5                                | 150                    | 4.2                                | 150                    | 32'-8"          | 8.00               | 4.50              | 0.188               | 147                                       | 320845806T4     |
|                               | 15.3                               | 150                    | 10.9                               | 150                    | 8.1                                | 150                    | 6.2                                | 150                    | 4.8                                | 150                    | 32'-8"          | 9.00               | 4.50              | 0.156               | 138                                       | +320845905T4    |
|                               | 19.7                               | 150                    | 14.2                               | 150                    | 10.7                               | 150                    | 8.4                                | 150                    | 6.6                                | 150                    | 32'-8"          | 9.00               | 4.50              | 0.188               | 163                                       | 320845906T4     |
|                               | 20.1                               | 150                    | 14.5                               | 150                    | 11.0                               | 150                    | 8.6                                | 150                    | 6.8                                | 150                    | 32'-8"          | 8.00               | 4.50              | 0.250               | 190                                       | 320845808T4     |
|                               | 26.0                               | 200                    | 19.4                               | 200                    | 14.9                               | 200                    | 11.7                               | 200                    | 9.2                                | 200                    | 32'-8"          | 10.00              | 6.00              | 0.188               | 191                                       | 320860106T4     |
|                               | 35.8                               | 300                    | 26.9                               | 300                    | 20.8                               | 300                    | 16.4                               | 300                    | 13.1                               | 300                    | 32'-8"          | 10.00              | 6.00              | 0.250               | 257                                       | 320860108T4     |

- EPA represents the Effective Projected Area of each luminaire. Designs are limited to top mount or side-mount luminaires. Variations from sizes above are available upon inquiry at the factory. Satisfactory performance of poles is dependent upon the pole being properly attached to a supporting foundation of adequate design.
  - Structure weight is a nominal value which includes the pole shaft and base plate.
- + Pole includes factory installed vibration damper.

## PRODUCT ORDERING CODES

| CROSS SECTION | MODEL NUMBER                                                                                                                                                                                                                                                                                                                                                | FIXTURE MOUNTING                                                                                                                                                                                                                                                                                                                                                                                    | COLOR                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                    | OPTIONS                                                                   |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| R             |                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                    |                                                                           |
| R = Round     | +270840705T4<br>270845805T4<br>270845806T4<br>270845808T4<br>270845905T4<br>270845906T4<br>270860106T4<br>270860108T4<br>+290840705T4<br>+290845805T4<br>290845806T4<br>+290845905T4<br>290845906T4<br>290845808T4<br>290860106T4<br>290860108T4<br>+320845805T4<br>320845806T4<br>+320845905T4<br>320845906T4<br>320845808T4<br>320860106T4<br>320860108T4 | <b>Drill Mounting</b><br>D1 = 1 Luminaire<br>D2 = 2 @ 180°<br>D3 = 3 @ 120°<br>D4 = 4 @ 90°<br>D5 = 2 @ 90°<br>D6 = 3 @ 90°<br><br><b>Tenon Mounting</b><br>P2 = 2.38" OD x 4.00"<br>P3 = 3.50" OD x 6.00"<br>P4 = 4.00" OD x 6.00"<br>P5 = 2.88" OD x 4.00"<br>P7 = 2.38" OD x 5.00"<br>PQ = 2.38" OD x 12.00"<br>PD = 3.00" OD x 3.00"<br>-- = Plain Top<br>P9 = Other Tenon<br>(Contact Factory) | <b>Polyester Powder</b><br>DWH = White<br>DSS = Sandstone<br>BR = Burgundy<br>HG = Hunter Green<br>DNA = Natural Aluminum<br>DCG = Charcoal Gray<br>DMB = Medium Bronze<br>SBN = Sanded Brown<br>DNB = New Dark Bronze<br>DDB = Dark Bronze<br>SBK = Sanded Black<br>DBL = Black<br>DSB = Steel Blue<br>DTG = Dark Green<br>DBR = Red<br>SC = Special Color<br>(Contact Factory) | <b>Anodized</b><br>204 = Clear Natural<br>311 = Light Bronze*<br>312 = Medium Bronze*<br>313 = Dark Bronze*<br>335 = Black*<br><br>*Duranodic Anodize<br><br><b>Brushed</b><br>SBF = Satin Brushed | See Accessories at<br>valmontstructures.com<br>(Please Specify with Code) |