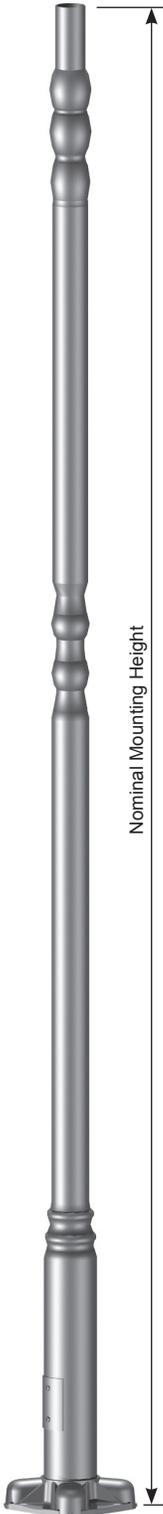


| | |
|---|--------------------------------------|
| Job Name: _____ | Client Name: _____ |
| Job Location - City: _____ State: _____ | Created By: _____ Date: _____ |
| Product: _____ Quote: _____ | Customer Approval: _____ Date: _____ |

SPECIFICATIONS



Tenon Top



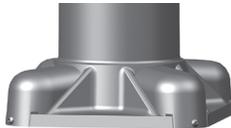
Cross Section



Access Door



Nut Covers



Pole - The digitally controlled pole shaft is spun from seamless 6063 alloy aluminum. Custom shapes are available upon request.

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

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

Base Cover - Optional 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 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.

ROUND TAPERED ALUMINUM-SHAPES Bentley



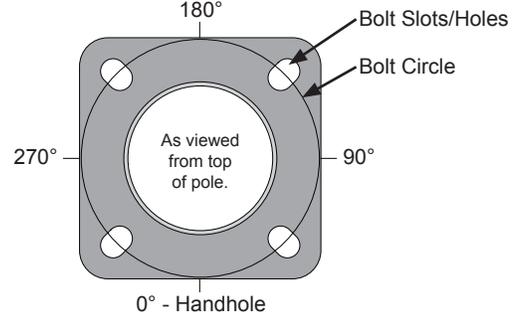
STRUCTURES

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

ANCHORAGE DATA

| STRUCTURAL BASE | | | | ANCHOR BOLTS | | |
|-----------------|--------|-------------|----------|--------------------------|-----------------|--------|
| BOLT CIRCLE | | SQUARE (IN) | THK (IN) | DIA x LENGTH x HOOK (IN) | PROJECTION (IN) | ± (IN) |
| DIA (IN) | ± (IN) | | | | | |
| 8.63 | 0.88 | 9.61 | 0.625 | 0.75 x 17.00 x 3.00 | 3.25 | N/A |

Anchor Base Detail



LOAD AND DIMENSIONAL DATA

| NOMINAL MOUNTING HEIGHT | DESIGN INFORMATION | | | | | | | | | | POLE DIMENSIONS | | | | MODEL NUMBER |
|-------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------|-------------|---------------|-------------------------------------|--------------|
| | 70 MPH w/1.3 GUST | | 80 MPH w/1.3 GUST | | 90 MPH w/1.3 GUST | | 100 MPH w/1.3 GUST | | 110 MPH w/1.3 GUST | | BASE OD (IN) | TOP OD (IN) | WALL THK (IN) | STRUCTURE WEIGHT ² (LBS) | |
| | MAX EPA ¹ (SQ.FT) | MAX WEIGHT ¹ (LBS) | MAX EPA ¹ (SQ.FT) | MAX WEIGHT ¹ (LBS) | MAX EPA ¹ (SQ.FT) | MAX WEIGHT ¹ (LBS) | MAX EPA ¹ (SQ.FT) | MAX WEIGHT ¹ (LBS) | MAX EPA ¹ (SQ.FT) | MAX WEIGHT ¹ (LBS) | | | | | |
| 7'-8" | 17.6 | 150 | 13.4 | 150 | 10.6 | 150 | 8.4 | 150 | 6.9 | 150 | 5.00 | 2.88 | 0.125 | 25 | 070829504H4B |
| | 25.3 | 150 | 19.3 | 150 | 15.2 | 150 | 12.2 | 150 | 10.0 | 150 | 5.00 | 2.88 | 0.188 | 32 | 070829506H4B |
| 9'-8" | 14.5 | 150 | 10.9 | 150 | 8.6 | 150 | 6.8 | 150 | 5.5 | 150 | 5.00 | 2.88 | 0.125 | 29 | 090829504H4B |
| | 20.8 | 150 | 15.9 | 150 | 12.5 | 150 | 10.0 | 150 | 8.2 | 150 | 5.00 | 2.88 | 0.188 | 38 | 090829506H4B |
| 11'-8" | 12.1 | 150 | 9.2 | 150 | 7.1 | 150 | 5.6 | 150 | 4.5 | 150 | 5.00 | 2.88 | 0.125 | 32 | 110829504H4B |
| | 17.5 | 150 | 13.3 | 150 | 10.4 | 150 | 8.4 | 150 | 6.7 | 150 | 5.00 | 2.88 | 0.188 | 43 | 110829506H4B |
| 13'-8" | 10.0 | 150 | 7.3 | 150 | 5.4 | 150 | 4.1 | 150 | 3.2 | 150 | 5.00 | 2.88 | 0.125 | 36 | 130829504H4B |
| | 15.1 | 150 | 11.3 | 150 | 8.7 | 150 | 6.7 | 150 | 5.3 | 150 | 5.00 | 2.88 | 0.188 | 48 | 130829506H4B |
| 15'-8" | 7.8 | 150 | 5.5 | 150 | 4.0 | 150 | 2.9 | 150 | 2.1 | 150 | 5.00 | 2.88 | 0.125 | 39 | 150829504H4B |
| | 12.2 | 150 | 9.1 | 150 | 6.7 | 150 | 5.2 | 150 | 4.0 | 150 | 5.00 | 2.88 | 0.188 | 53 | 150829506H4B |
| 17'-8" | 6.0 | 150 | 4.1 | 150 | 2.8 | 150 | 1.9 | 150 | 1.2 | 150 | 5.00 | 2.88 | 0.125 | 43 | 170829504H4B |
| | 9.6 | 150 | 7.1 | 150 | 5.2 | 150 | 3.8 | 150 | 2.8 | 150 | 5.00 | 2.88 | 0.188 | 57 | 170829506H4B |

1. Maximum EPA (Effective Projected Area) and weight values are based on top mounted luminaires and/or brackets having a centroid 3'-0" above and 2'-0" eccentric to the pole top at Nominal Mounting Height. 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.
2. Structure Weight is a nominal value which includes the pole shaft and structural base.

PRODUCT ORDERING CODES

| DESIGN SERIES | CROSS SECTION | MODEL NUMBER | FIXTURE MOUNTING | COLOR | OPTIONS |
|---------------|---------------|--|---|---|---|
| 7E01A | R | | | | |
| | R=Round | 070829504H4B 070829506H4B 090829504H4B 090829506H4B 110829504H4B 110829506H4B 130829504H4B 130829506H4B 150829504H4B 150829506H4B 170829504H4B 170829506H4B | Tenon Mounting P2 = 2.38" OD x 4.00" P7 = 2.38" OD x 5.00" PQ = 2.38" OD x 12.00" PD = 3.00" OD x 3.00" -- = Plain Top P9 = Other Tenon (Contact Factory) | DWH = White DSS = Sandstone BR = Burgundy HG = Hunter Green DNA = Natural Aluminum DCG = Charcoal Gray DMB = Medium Bronze SBN = Sanded Brown DNB = New Dark Bronze DDB = Dark Bronze SBK = Sanded Black DBL = Black DSB = Steel Blue DTG = Dark Green DBR = Red SC = Special Color (Contact Factory) | See Accessories at valmontstructures.com (Please Specify) |

SPC7301 12/10 valmontstructures.com carries the most current spec information and supersedes these guidelines.