BEACON PRODUCTS

SHO4 (formerly AP-89)
Structural 4" Pole

Project Information

Name / Location: _____

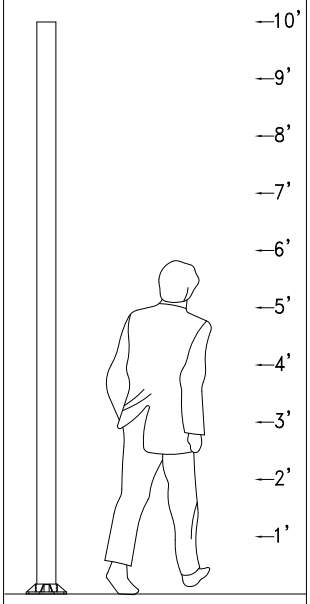
Type / Quantity: _____ / _____

Sold to: _____

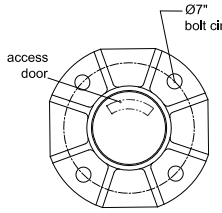
PO#: _____

Approvals

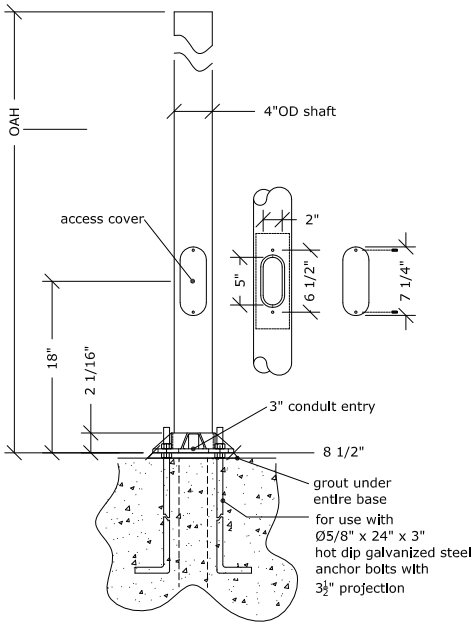
Perspective



Anchor Bolt Pattern



Base Details



Specifications

Construction:
All cast aluminum parts shall be low copper alloy A356. All extruded aluminum parts shall be alloy 6061-T6. Base shall be monolithic.

Anchor Bolts:
3/4"X24"X3" anchor bolts, double hex nuts and flat washers shall be hot dipped galvanized steel. A bolt circle template shall be provided.

Direct Burial Extension:
Direct burial extension length shall be at least 20% of overall pole height. Consult factory for recommendations.

Vibration Dampeners:
Vibration dampener pads shall be provided when required by customer or deemed necessary by Beacon Products.

EPA (Effective Projected Area):
EPA is defined as (Surface Area x Drag Factor). Allowable Pole, Luminaire Arm, Luminaire and Accessory EPAs are derived from the most current published AASHTO standard (American Association of State Highway and Transportation Officials), currently AASHTO 2001. Customer assumes all responsibility for selecting the appropriate pole for installation. Luminaire Arm, Luminaire and Accessory EPA must be equal to or less than allowable EPA of pole. Consult a professional engineer for compliance with local codes and standards.

Fasteners:
All fasteners shall be stainless steel. When tamper resistant fasteners are required, spanner HD (snake eye) style shall be provided (special tool required, available at additional cost).

Finish:
Finish shall be Beacote III polyester powerdercoat electrostatically applied and thermocured. Poles shall be subjected to iron phosphate chemical pre-treament prior to painting by immersion process.

Ordering Example:

SHO4 / S / 12 / 4M / OT / GFI-IU@9' / BB

Accessories, additional pole tops & other options:
Consult Pole Accessories and Options selection guide for more information

SHO4 / / / / / / /

Profile
- ☐ S Smooth
- ☐ F Fluted

Height
- ☐ 10 10'
- ☐ 12 12'
- ☐ 14 14'
- ☐ 16 16'
- ☐ 18 18'

Shaft Ø
- ☐ 4 4"

Wall
- ☐ G .125"
- ☐ M .188"
- ☐ P .226" (S)

Pole Top
- ☐ OT open
- ☐ TN 3"x3" tenon
- ☐ ARC acorn finial
- ☐ BAL ball finial

Options
- ☐ DBE direct burial extension
- ☐ GFI-IU GFI w/ in-use cover [1]
- ☐ GFI-NU GFI w/ standard cover [1]

1 - Specify Location (example GFI-IU @ 9.5')

Finish
- ☐ BB black
- ☐ BZ bronze
- ☐ BG green
- ☐ BW white
- ☐ BY gray
- ☐ RAL RAL-
- ☐ OTHER

Consult factory for premium and verde finishes. Custom colors available.

Available EPA index

Catalog Number	Wall Thickness	Nominal Height	AASHTO 2001 Wind Zones (mph) 90	100	110	120	130	140	150	Weight (lbs)
SHO4/S/10/4G	.125"	10'	7.3	5.5	4.3	3.3	2.8	2.3	1.9	48
SHO4/S/12/4G	.125"	12'	5.5	4.0	3.0	2.2	1.8	1.4	1.2	52
SHO4/S/14/4M	.188"	14'	6.6	5.0	3.7	2.9	2.3	1.9	1.6	68
SHO4/S/14/4P	.226"	14'	7.4	5.6	4.3	3.3	2.7	2.3	1.9	75
SHO4/S/16/4M	.188"	16'	5.1	3.6	2.6	1.8	1.5	1.1	0.9	73
SHO4/S/16/4P	.226"	16'	5.8	4.2	3.1	0.0	0.0	0.0	1.2	81
SHO4/S/18/4P	.226"	18'	4.3	3.0	2.0	1.3	1.0	0.7	0.5	88
SHO4/F/10/4G	.125"	10'	6.3	4.8	3.6	2.7	2.0	1.5	1.0	50
SHO4/F/12/4M	.188"	12'	6.5	4.9	3.7	2.8	2.0	1.6	1.1	57
SHO4/F/14/4M	.188"	14'	4.9	3.5	2.5	1.7	1.1	0.7	0.3	71
SHO4/F/16/4M	.188"	16'	3.5	2.3	1.5	0.8	0.3	0.0	0.0	78

Caution:
Consult factory for stuctural approval prior to attaching banners or other appendages. Warranty void if pole is cut, welded, drilled or otherwise modifed outside Beacon factory.

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