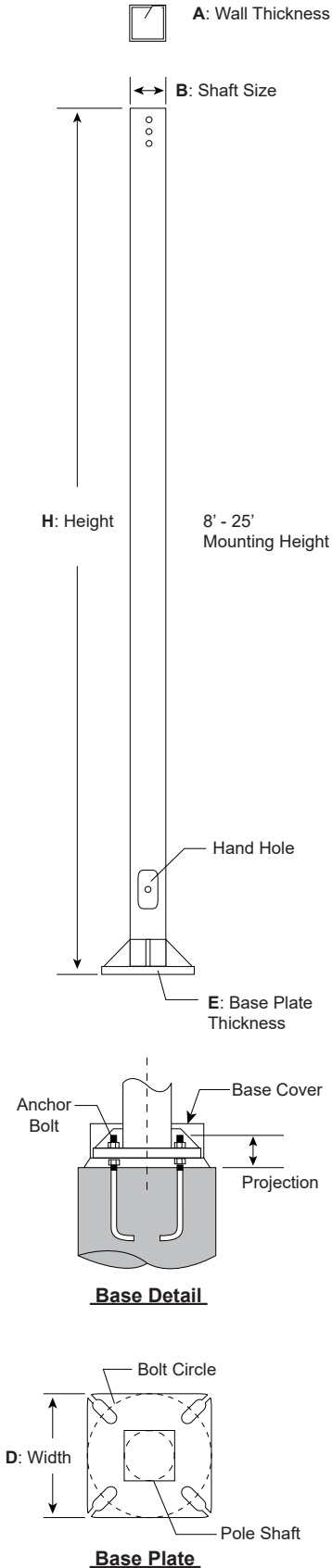


# SSA

## SQUARE STRAIGHT ALUMINUM



**DESIGN:**

The standards as shown in this section are design to withstand dead loads and theoretical dynamic loads developed by variable wind speeds as charted with an appropriate gust factor under the following conditions: The luminaire(s) and/or mounting bracket(s) center of gravity is assumed to be located at the pole top for all designs. For purposes of design, effective projected area (EPA) is considered to be the product of the actual projected area and the drag coefficient. The listed weights include luminaire(s) and/or mounting bracket(s). The wind velocities are based on 10 mph increments from 80 mph through 100 mph. Standards to be located in areas of known abnormal conditions require special consideration. For example: coastal areas, airports and areas of special winds such as the Chinook type along the eastern slope of the Rocky Mountains.

**POLE SHAFT:**

The pole shall be a one section design fabricated from standard 11 gauge (0.125"), 7 gauge (0.188") or 3 gauge (0.250") aluminum. The shaft will be extruded from all new 6063 series alloy aluminum tubing. Heat treated to produce a T6 Temper. Shafts shall be supplied with a top closure when the shafts are to be drilled for side mounting of luminaires.

**HAND HOLE:**

The reinforcing hand hole rim consists of a nominal 3" x 5" rectangular shaped tubing material. It is provided with a cover plate, attachment bar and machine screw.

**GROUNDING:**

Shaft is furnished with ground bolt located inside pole on wall opposite hand hole and a ground bolt will be welded.

**ANCHOR BOLTS:**

Anchor bolts are hot dipped galvanized in accordance to ASTM-A-153. Anchor bolts are fabricated from hot rolled steel bar with a minimum yield strength of 55,000 psi. Four anchor bolts are provided per pole. Each anchor bolt is furnished with two hex nuts and two flat washers and one lock washer.

**ANCHOR BASE PLATE:**

The anchor base is cast from A356 alloy aluminum, heat treated to a T6 condition. The base telescopes the pole shaft and is circumferentially welded top and bottom.

**POLE BASE COVER:**

The base cover is fabricated from hot-rolled carbon steel. The covers are two piece assemblies secured together with two fasteners. (Square base cover is standard and Round cover is optional)

**POLE TOP:**

All poles come with a removable polymer pole cap installed. Optional to add pole top tenons.

**FINISH:**

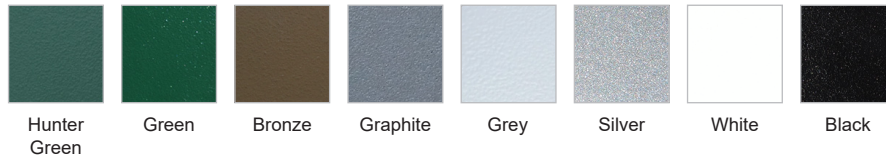
All pole, mounting brackets and platforms shall be polished with fine grain aluminum oxide cloths, primer, factory painted and polyester powder coated.

EPA (ft<sup>2</sup>) with 1.3 gust

MOD Number	Wall	Shaft Size	HT.	Base Plate		Bolt Circle	Anchor Bolts	EPA 100 MPH	MAX WT.
	A	B	H	D	E				
SSA-11-408	.125"	4" OD.	8'	* Contact factory.				12.4	100#
SSA-11-410			10'					8.4	
SSA-11-412			12'					5.6	
SSA-11-414			14'					3.5	
SSA-11-416			16'					2.0	
SSA-7-416	.188"	4" OD.	16'					4.6	200#
SSA-7-418			18'					3.1	125#
SSA-7-420			20'					1.6	125#
SSA-11-512	.125"	5" OD.	12'					6.8	150#
SSA-11-514			14'					5.3	100#
SSA-11-516			16'	3.7	100#				
SSA-7-518	.188"	5" OD.	18'	6.7	200#				
SSA-7-520			20'	4.1	200#				
SSA-7-620	.188"	6" OD.	20'	7.0	250#				
SSA-7-625			25'	2.2	200#				
SSA-5-620	.250"	6" OD.	20'	12.9	250#				
SSA-5-625			25'	5.9	250#				

# SSA

SQUARE STRAIGHT ALUMINUM



**OPTIONS:**

AT: 2-3/8"OD x 4" Tenon  
BT: 2-7/8"OD x 4" Tenon  
CT: 3"OD x 4" Tenon  
BC: Base Cover  
DR: Duplex Receptacle  
GFI: Ground Fault Inter

**FINISH:**

HGR: Hunter Green <sup>1</sup>  
GN: Green <sup>1</sup>  
BZ: Bronze <sup>1</sup>  
GRP: Graphite <sup>1</sup>  
GR: Grey <sup>1</sup>  
SV: Silver <sup>1</sup>  
WT: White <sup>1</sup>  
BK: Black <sup>1</sup>  
CC: Custom Color <sup>2</sup>

**ORDER GUIDE :**

MODEL	OPTION	FINISH
SSA-7-520	BC	BZ

**NOTES:**

- 1. Standard finish, free of charge.
- 2. Non-standard finish with extra charge, please contact factory for more information.