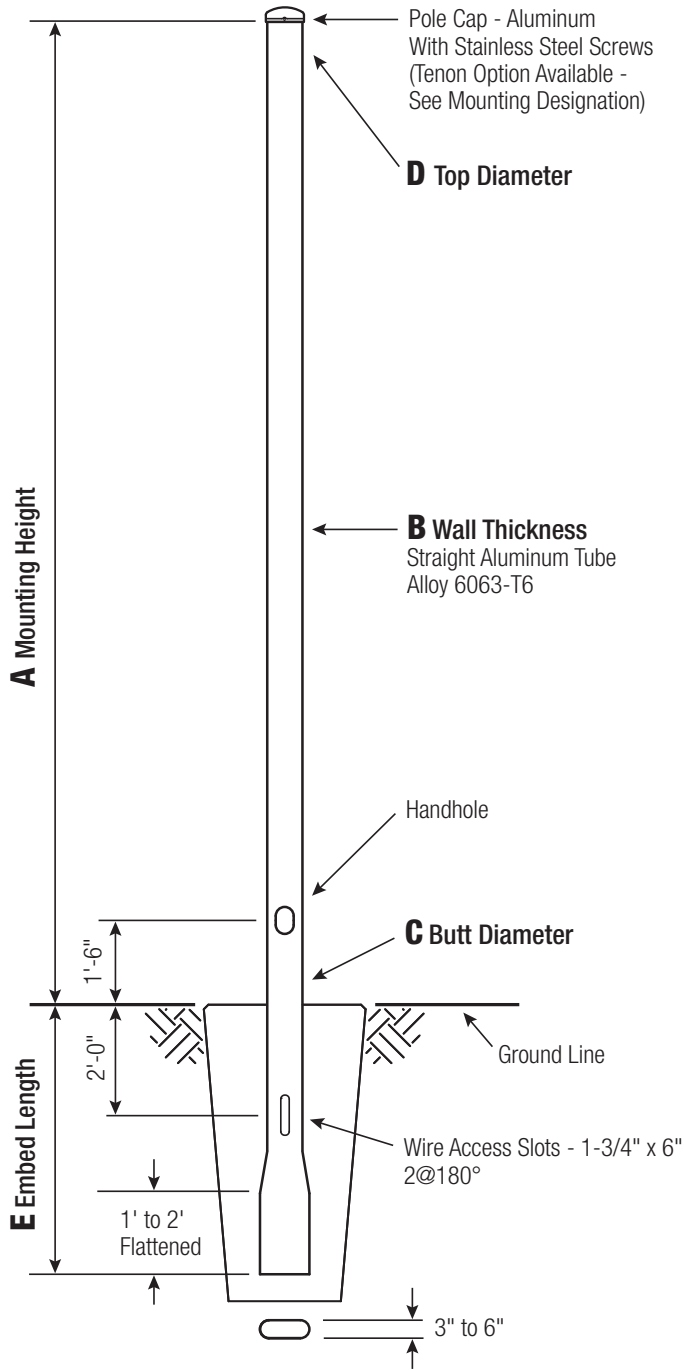


# NHL-RSA

## Round Straight Aluminum Pole No Arm — Direct Buried



Satin Aluminum or Powder Coated Finish per Customer Specification.

C BUTT DIA.	D TOP DIA.	E EMBED
4	4	3'
5	5	3'
6	6	4'
7	7	5'
8	8	5'
9	9	6'
10	10	6'

C and D Dimensions in Inches

### Pole

The pole shaft will be constructed of seamless extruded tube of 6063 Aluminum Alloy per the requirements of ASTM B221. The shaft assembly shall be full-length heat treated to produce a T6 temper.

### Handhole

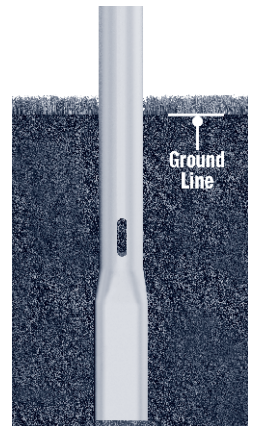
**4"-5" Butt Diameter** - 2-1/2" x 5" Handhole with curved Lap Style Aluminum Door and two (2) SS Self-Tapping Attaching Screws. A Grounding Provision is provided as part of the handhole.

**6" Butt Diameter** - Reinforced, 3" x 5" curved Cast Aluminum Frame (Alloy 356-T6) with Aluminum Door and two (2) SS Hex Head Screws. A Grounding Provision incorporating a 3/8" diameter hole is provided opposite the Handhole.

**7"+ Butt Diameters** - Reinforced, 4" x 6" curved Cast Aluminum Frame (Alloy 356-T6) with Aluminum Door and two (2) SS Hex Head Screws. Reinforced Frame will contain a tapped 3/8"-16NC Grounding Provision.

### Embed Detail

Direct Buried Pole bottom section on 6"+ butt diameter poles will be partially flattened into an anti-rotational, oval cross section. Wire access will be provided 24" below ground line. Soil conditions vary by site. Foundation requirements should be determined by a qualified Structural Engineer with knowledge of jobsite soil conditions.



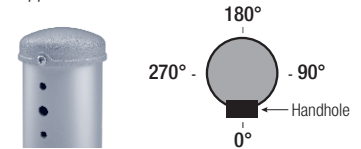
### Vibration Damper

When determined necessary by the factory, a Vibration Damper will be factory-installed inside the pole shaft. Customer specification of the damper is available.

### Mounting Designation

#### Side Drill Mount

For Side Drill Mount applications specify luminaire type, quantity and orientation. A luminaire drilling template must be supplied at time of order.



#### Tenon Mount

For Tenon Mount applications specify both Tenon diameter (2.375", 2.875", 3.5", etc.) and length (3", 4", etc.).

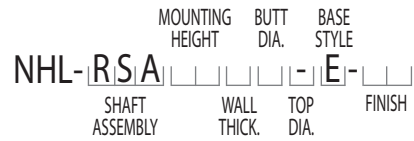


**WARNING:** Do not install light pole without luminaire.

A Mtg. Hgt.	B WALL THICKNESS	C BUTT DIAMETER	TOTAL Lum. WEIGHT	MAXIMUM EPA					NHL CATALOG NUMBER
				90	100	110	120	130	
08	0.125"	4	100	11.4	9.0	8.3	6.8	5.6	RSA08B4-E-**
10	0.125"	4	100	8.1	6.2	5.7	4.6	3.7	RSA10B4-E-**
10	0.125"	5	100	15.8	12.4	11.6	9.6	8.2	RSA10B5-E-**
12	0.125"	4	70	6.0	4.4	4.0	3.1	2.3	RSA12B4-E-**
12	0.125"	5	100	12.0	9.3	8.6	7.2	6.0	RSA12B5-E-**
12	0.156"	5	100	15.4	12.0	11.2	9.2	7.8	RSA12C5-E-**
12	0.188"	5	100	18.6	14.6	13.6	11.2	9.5	RSA12D5-E-**
14	0.125"	4	40	4.4	3.1	2.7	1.9	1.3	RSA14B4-E-**
14	0.125"	5	100	9.2	7.0	6.4	5.2	4.4	RSA14B5-E-**
14	0.156"	5	100	12.0	9.2	8.5	7.0	5.8	RSA14C5-E-**
14	0.188"	5	100	14.8	11.4	10.6	8.8	7.4	RSA14D5-E-**
16	0.125"	4	40	3.1	2.0	1.7	0.9	-	RSA16B4-E-**
16	0.125"	5	100	7.1	5.1	4.7	3.8	3.1	RSA16B5-E-**
16	0.156"	5	100	9.4	7.0	6.5	5.3	4.4	RSA16C5-E-**
16	0.188"	5	100	11.8	9.0	8.2	6.8	5.6	RSA16D5-E-**
16	0.156"	6	100	22.8	18.2	17.0	14.0	11.8	RSA16C6-E-**
16	0.188"	6	100	25.8	20.6	19.2	16.0	13.4	RSA16D6-E-**
18	0.125"	5	60	5.4	3.6	3.3	2.6	2.0	RSA18B5-E-**
18	0.156"	5	100	7.2	5.2	4.8	3.8	3.1	RSA18C5-E-**
18	0.188"	5	100	9.2	6.8	6.2	5.1	4.2	RSA18D5-E-**
18	0.188"	6	100	21.6	17.2	16.0	13.2	11.2	RSA18D6-E-**
20	0.125"	5	40	3.8	2.3	2.1	1.5	1.1	RSA20B5-E-**
20	0.156"	5	60	5.6	3.7	3.4	2.6	2.1	RSA20C5-E-**
20	0.188"	5	95	7.2	5.0	4.6	3.7	2.9	RSA20D5-E-**
20	0.125"	6	100	11.6	9.2	8.4	6.9	5.7	RSA20B6-E-**
20	0.156"	6	100	15.6	12.4	11.4	9.4	7.8	RSA20C6-E-**
20	0.188"	6	100	18.0	14.4	13.2	11.0	9.2	RSA20D6-E-**
20	0.156"	7	100	23.8	19.0	17.6	14.6	12.2	RSA20C7-E-**
20	0.188"	7	100	26.6	21.2	19.8	16.4	13.8	RSA20D7-E-**
20	0.156"	8	100	33.2	26.6	24.6	20.6	17.4	RSA20C8-E-**
20	0.188"	8	100	36.4	29.4	27.2	22.8	19.2	RSA20D8-E-**
25	0.156"	6	100	9.4	7.2	6.8	5.4	4.4	RSA25C6-E-**
25	0.188"	6	100	11.6	9.0	8.4	6.8	5.4	RSA25D6-E-**
25	0.156"	7	100	15.8	12.4	11.6	9.4	7.8	RSA25C7-E-**
25	0.188"	7	100	18.2	14.4	13.4	11.0	9.2	RSA25D7-E-**
25	0.156"	8	100	23.0	18.4	17.0	14.0	11.8	RSA25C8-E-**
25	0.188"	8	100	25.8	20.6	19.2	15.8	13.2	RSA25D8-E-**
25	0.219"	8	100	25.8	20.6	19.2	15.8	13.2	RSA25E8-E-**
25	0.250"	8	100	25.8	20.6	19.2	15.8	13.2	RSA25F8-E-**
30	0.188"	6	40	7.0	5.2	4.8	3.8	2.8	RSA30D6-E-**
30	0.156"	7	100	10.4	8.0	7.4	5.8	4.8	RSA30C7-E-**
30	0.188"	7	100	12.4	9.6	9.0	7.2	5.8	RSA30D7-E-**
30	0.156"	8	100	16.2	12.8	11.8	9.6	8.0	RSA30C8-E-**
30	0.188"	8	100	18.6	14.6	13.6	11.2	9.2	RSA30D8-E-**
30	0.219"	8	100	18.6	14.6	13.6	11.2	9.2	RSA30E8-E-**
30	0.250"	8	100	18.6	14.6	13.6	11.2	9.2	RSA30F8-E-**
30	0.188"	9	100	25.6	20.4	18.8	15.4	12.4	RSA30D9-E-**
30	0.250"	9	100	25.6	20.4	18.8	15.4	12.4	RSA30F9-E-**
30	0.188"	10	100	33.4	26.6	24.4	19.8	16.0	RSA30D1-E-**
35	0.156"	8	100	11.2	8.6	7.8	6.3	5.1	RSA35C8-E-**
35	0.188"	8	100	13.4	10.4	9.6	7.6	6.2	RSA35D8-E-**
35	0.219"	8	100	13.4	10.4	9.6	7.6	6.2	RSA35E8-E-**
35	0.250"	8	100	13.4	10.4	9.6	7.6	6.2	RSA35F8-E-**
35	0.188"	9	100	19.2	15.0	14.0	11.2	8.8	RSA35D9-E-**
35	0.250"	9	100	19.2	15.0	14.0	11.2	8.8	RSA35F9-E-**
35	0.188"	10	100	25.6	20.4	18.6	14.6	11.6	RSA35D1-E-**
35	0.219"	10	100	25.6	20.4	18.6	14.6	11.6	RSA35E1-E-**
35	0.250"	10	100	25.6	20.4	18.6	14.6	11.6	RSA35F1-E-**
35	0.312"	10	100	25.6	20.4	18.6	14.6	11.6	RSA35G1-E-**
40	0.188"	8	100	9.2	7.0	6.4	5.0	4.0	RSA40D8-E-**
40	0.219"	8	100	9.2	7.0	6.4	5.0	4.0	RSA40E8-E-**
40	0.250"	8	100	9.2	7.0	6.4	5.0	4.0	RSA40F8-E-**
40	0.188"	9	100	14.2	11.0	10.2	8.0	6.0	RSA40D9-E-**
40	0.250"	9	100	14.2	11.0	10.2	8.0	6.0	RSA40F9-E-**
40	0.188"	10	100	19.8	15.6	14.0	10.8	8.2	RSA40D1-E-**
40	0.219"	10	100	19.8	15.6	14.0	10.8	8.2	RSA40E1-E-**
40	0.250"	10	100	19.8	15.6	14.0	10.8	8.2	RSA40F1-E-**
40	0.312"	10	100	19.8	15.6	14.0	10.8	8.2	RSA40G1-E-**

**Catalog Number System**

The catalog number for NHL poles utilizes the following identification system.



**Catalog Number Example -**

**NHL-RSA 30 D 8 - E - 01**  
*Round Straight Aluminum, 30' Mounting Height, .188" Wall Thickness, 8" Butt Diameter, No Taper, Direct Buried, Satin Aluminum Finish.*

**Wall Thickness**

- B = .125"
- C = .156"
- D = .188"
- E = .219"
- F = .250"
- G = .312"

**Butt Diameter**

- 4 = 4"
- 5 = 5"
- 6 = 6"
- 7 = 7"
- 8 = 8"
- 9 = 9"
- 1 = 10"

**Top Diameter**

- = No Taper

**Base Style**

- E = Direct Buried

**Finish**

- 01 = Satin Aluminum
- BA = Black Powder Coat
- BH = White Powder Coat
- BM = Dark Bronze Powder Coat
- BV = Dark Green Powder Coat
- GC = Gray Powder Coat
- \*\* = Specify Finish

**EPA Notes:**

Effective Projected Area (EPA) in square feet. EPA's calculated using wind velocity (mph) indicated in accordance with 2009 AASHTO LTS-5 using a 25 year design life. Maximum EPA is based on the luminaire weight shown. Increased luminaire weight may reduce the maximum EPA. If weight is exceeded, or if other design life or code is required, please consult the factory.