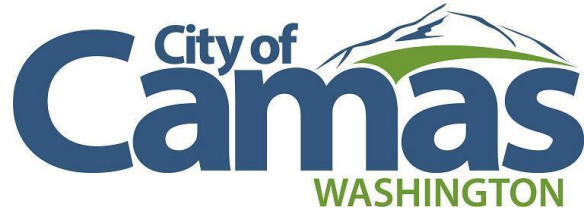


## **Gateway Corridor Street Lighting Details**



## **Street Lighting Gateway Corridors (Cobra)**

**Cobra Luminaire - Autobahn Series ATBS P60 MVOLT R3 BK P7 PCL1**

**Gateway Corridor Pole & Mast Arm – See Detail LS1**

**Gateway Corridor Pole Foundation – See Detail LS2**

**Gateway Corridor Pole Grounding – See Detail LS3**



Consistent with LEED® goals  
& Green Globes™ criteria  
for light pollution reduction



# Autobahn Series ATBS

## Roadway & Security Lighting

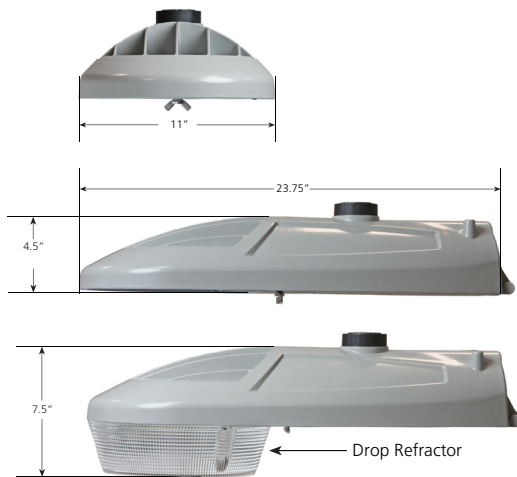
### PRODUCT OVERVIEW



#### Applications:

Residential streets  
Parking lots  
General security lighting

#### DIMENSIONS



Effective Projected Area (EPA) The EPA for the ATBS is 0.3 sq. ft.,  
Approx. Wt. = 12 lbs. (5 kg)

#### STANDARDS

DesignLights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC Premium qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.

Color temperatures of  $\leq 3000\text{K}$  must be specified for International Dark-Sky Association certification.

Rated for  $-40^{\circ}\text{C}$  to  $40^{\circ}\text{C}$  ambient

CSA Certified to U.S. and Canadian standards

Complies with ANSI: C136.2, C136.10, C136.14, C136.31, C136.15, C136.37

**GOVERNMENT PROCUREMENT** — BAA — Buy America(n) Act: Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA — Build America Buy America: Product with the BAA option also qualifies as produced in the United States under the definitions of the Build America, Buy America Act.

Please refer to [www.acuitybrands.com/buy-american](http://www.acuitybrands.com/buy-american) for additional information.

**Note:** Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

#### Features:

##### OPTICAL

**Same Light:** Performance is comparable to 100W – 200W HPS and up to 175W Mercury Vapor roadway and security lighting luminaires.

**White Light:** Correlated color temperature - 4000K, 70 CRI minimum, 3000K, 70 CRI minimum or optional 5000K, 70 CRI minimum.

IP66 rated borosilicate glass optics ensure longevity and minimize dirt depreciation. Unique IP66 rated LED light engines provide 0% uplight and restrict backlight to within sidewalk depth, providing optimal application coverage and optimal pole spacing.

Available distributions are Type II, III, and V roadway distributions. When used with the optional acrylic refractor the unit provides approximately 10% uplight and increased vertical foot-candles

##### ELECTRICAL

**Expected Life:** LED light engines are rated  $>100,000$  hours at  $25^{\circ}\text{C}$ , L70. Electronic driver has an expected life of 100,000 hours at a  $25^{\circ}\text{C}$  ambient.

**Lower Energy:** Saves an expected 40-60% over comparable HID luminaires.

Standard surge protection is 20kV/10kA "Extreme Level" per ANSI C136.2. An optional MOV pack provides 10kV/5kA "Enhanced Level".

Luminaire ships with a 0-10v dimmable driver. Luminaire is continuous and step dimming capable via AO option or controls installed on P7 photocontrol receptacle option.

##### MECHANICAL

Includes standard AEL lineman-friendly features such as tool-less entry, 3 station terminal block and quick disconnects. Bubble level located inside the electrical compartment for easy leveling at installation.

Rugged die-cast aluminum housing and door are polyester powder-coated for durability and corrosion resistance. Rigorous five-stage pre-treating and painting process yields a finish that achieves a scribe creepage rating of 8 (per ASTM D1654) after over 5000 hours exposure to salt fog chamber (operated per ASTM B117).

Mast arm mount is adjustable for arms from 1-1/4" to 2" (1-5/8" to 2-3/8" O.D.) diameter. The 2 – bolt clamping mechanism provides 3G vibration rating per ANSI C136.31.

The Wildlife shield is cast into the housing (not a separate piece).

##### CONTROLS

NEMA 3 pin photocontrol receptacle is standard, with the Acuity designed ANSI standard 7 pin receptacles optionally available.

Premium solid state locking-style photocontrol – PCSS (10 year rated life) Extreme long life solid state locking-style photocontrol – PCL1 (20 year rated life)

Optional onboard Adjustable Output module allows the light output and input wattage to be modified to meet site specific requirements, and also can allow a single fixture to be flexibly applied in many different applications.

# Autobahn Series ATBS

## Roadway & Security Lighting

### ORDERING INFORMATION

Series	Performance Packages	Voltage	Optics
<b>ATBS</b> Autobahn LED Roadway & Security	<b>P10</b> 5,500 lumens <b>P20</b> 6,800 lumens <b>P30</b> 8,300 lumens <b>P40</b> 9,400 lumens <b>P50</b> 10,800 lumens <b>P60<sup>4</sup></b> 11,850 lumens	<b>MVOLT</b> Multi-volt, 120-277V <b>347</b> 347V <b>480</b> 480V	<b>R2</b> Roadway Type II <b>R3</b> Roadway Type III <b>R5</b> Roadway Type V <b>D3</b> Type III, Drop Refractor included <b>D5</b> Type V, Drop Refractor included
Options			
<b>Color Temperature (CCT)</b> <b>(Blank)</b> 4000K CCT, 70 CRI Min. <b>27K<sup>2</sup></b> 2700K CCT, 70 CRI Min. <b>3K</b> 3000K CCT, 70 CRI Min. <b>5K</b> 5000K CCT, 70 CRI Min.  <b>Paint</b> <b>Blank</b> Gray (Standard) <b>BK</b> Black <b>WH</b> White <b>BZ</b> Bronze	<b>Controls</b> <b>(Blank)</b> 3 Pin NEMA Photocontrol Receptacle <b>NR<sup>1</sup></b> No Photocontrol Receptacle <b>P7</b> 7 Pin Photocontrol Receptacle (dimmable driver included) <b>PCSS<sup>1,4</sup></b> DTL DSS Photocontrol <b>PCL1<sup>1</sup></b> DTL DLL Photocontrol 120-277V <b>AO</b> Field Adjustable Output <b>SH</b> Shorting Cap	<b>Accessories</b> <b>ATBSREF</b> Drop Refractor for field installation <b>ATBSHSS</b> House Side Shield for field installation <b>ATBSLTS</b> Light Trespass Shield for field installation <b>ATBS LOUVER KIT</b> Louver Kit for field installation <b>ATBSVR-XX</b> Visual Comfort Refractor and painted skirt for field installation	
<b>Surge Protection</b> <b>Blank</b> Standard 20kV/10kA SPD <b>MP</b> MOV Pack 10kV/5kA	<b>Packages</b> <b>(Blank)</b> Standard Pack <b>JP</b> Job Pack (54/pallet)	<b>Universal Arms (steel)</b> <b>UMR XX</b> 8" Horizontal Arm for Round Pole, Painted to match Fixture (XX - Paint Color) <b>UMS XX</b> 8" Horizontal Arm for Square Pole, Painted to match Fixture (XX - Paint Color) <b>UMR GALV</b> 8" Horizontal Arm for Round Pole, Galvanized <b>UMS GALV</b> 8" Horizontal Arm for Square Pole, Galvanized	
<b>Misc.</b> <b>HS</b> House Side Shield <b>NL</b> NEMA Label <b>XL</b> Not CSA Certified <b>VR<sup>3</sup></b> Visual Comfort Optic <b>BAA</b> Buy America(n) Act and/or Build America Buy America Qualified	<b>Install Packages</b> <b>PKGS</b> DTL DSS Photocontrol <b>PKGL</b> DTL DLL Photocontrol Packages ship with selected photocontrol, 24", 1 1/4" diameter arm, 5' of prewire and mounting hardware		

#### Notes

- Not available with Install Packages.
- Requires RFD.
- Not available with D3 or D5 option.
- Not available with 347V and 480V supply voltage options.



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# Autobahn Series ATBS

## Roadway & Security Lighting

### PERFORMANCE PACKAGE

#### ATBS

Performance Package	Distribution	Input Watts	3K (3000K CCT, 70 CRI)					4K/5K (4000K/5000K CCT, 70 CRI)					LLD @ 25°C		
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	50k Hours	75k Hours	100k Hours
P10	R2	40	5,360	134	1	0	2	5,577	139	1	0	2	0.92	0.89	0.85
	R3		5,287	132	1	0	1	5,524	138	1	0	1			
	R5		5,576	139	3	0	1	5,758	144	3	0	1			
	D3		4,963	124	1	3	3	5,163	129	1	3	3			
	D5		5,372	134	2	3	3	5,590	140	2	3	3			
P20	R2	50	6,707	134	1	0	2	6,809	136	1	0	2	0.92	0.89	0.85
	R3		6,687	134	2	0	2	6,760	135	2	0	2			
	R5		6,926	139	3	0	1	7,108	142	3	0	1			
	D3		6,496	130	2	3	4	6,244	125	1	3	4			
	D5		7,032	141	3	4	4	7,317	146	3	4	4			
P30	R2	60	8,092	135	2	0	2	8,067	134	1	0	1	0.92	0.89	0.85
	R3		7,971	133	2	0	2	8,328	139	2	0	2			
	R5		8,470	141	3	0	2	8,760	146	3	0	2			
	D3		7,491	125	2	3	4	7,795	130	2	3	4			
	D5		8,110	135	3	4	4	8,438	141	3	4	4			
P40	R2	70	9,138	131	2	0	2	9,533	136	2	0	2	0.92	0.89	0.85
	R3		9,136	131	2	0	2	9,355	134	2	0	2			
	R5		9,868	141	3	0	2	9,710	139	3	0	2			
	D3		8,460	121	2	3	4	8,802	126	2	3	5			
	D5		9,158	131	3	4	5	9,529	136	3	4	5			
P50	R2	82	10,628	130	2	0	3	10,829	132	2	0	3	0.92	0.89	0.85
	R3		10,624	130	2	0	2	10,826	132	2	0	2			
	R5		11,450	140	4	0	2	11,181	136	4	0	2			
	D3		10,143	124	2	4	5	10,553	129	2	4	5			
	D5		10,651	130	3	4	5	11,082	135	3	4	5			
P60	R2	92	11,050	120	2	0	3	11,848	129	2	0	3	0.92	0.89	0.85
	R3		10,911	119	2	0	2	11,862	129	2	0	2			
	R5		12,199	133	4	0	2	12,756	139	4	0	2			
	D3		10,230	111	2	4	5	10,644	116	2	4	5			
	D5		11,074	120	3	4	5	11,523	125	3	4	5			

#### ATBS with VR

Performance Package	Distribution	Input Watts	3K (3000K CCT, 70 CRI)					4K/5K (4000K/5000K CCT, 70 CRI)					LLD @ 25°C		
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	50k Hours	75k Hours	100k Hours
P10	R2 with VR	40	4,450	111	1	0	1	4,561	114	1	0	1	0.92	0.89	0.85
	R3 with VR		4,273	107	1	0	1	4,605	115	1	0	1			
	R5 with VR		4,539	113	2	0	1	4,679	117	2	0	1			
P20	R2 with VR	50	5,491	110	1	0	1	5,550	111	1	0	1	0.92	0.89	0.85
	R3 with VR		5,379	108	1	0	1	5,582	112	2	0	1			
	R5 with VR		5,647	113	2	0	1	5,692	114	2	0	1			
P30	R2 with VR	60	6,479	108	2	0	1	6,530	109	2	0	1	0.92	0.89	0.85
	R3 with VR		6,400	107	2	0	1	6,564	109	2	0	1			
	R5 with VR		6,703	112	3	0	1	6,693	112	2	0	1			
P40	R2 with VR	70	7,307	104	2	0	1	7,561	108	2	0	1	0.92	0.89	0.85
	R3 with VR		7,347	105	2	0	1	7,638	109	2	0	1			
	R5 with VR		7,693	110	3	0	1	7,749	111	3	0	1			
P50	R2 with VR	82	8,552	104	2	0	2	8,711	106	2	0	2	0.92	0.89	0.85
	R3 with VR		8,494	104	2	0	1	8,814	107	2	0	1			
	R5 with VR		8,895	108	3	0	1	8,911	109	3	0	1			
P60	R2 with VR	92	8,989	98	2	0	2	9,815	107	2	0	2	0.92	0.89	0.85
	R3 with VR		8,899	97	2	0	1	9,857	107	2	0	2			
	R5 with VR		9,309	101	3	0	1	10,256	111	3	0	1			

**Note:** Individual fixture performance may vary. Specifications subject to change without notice.



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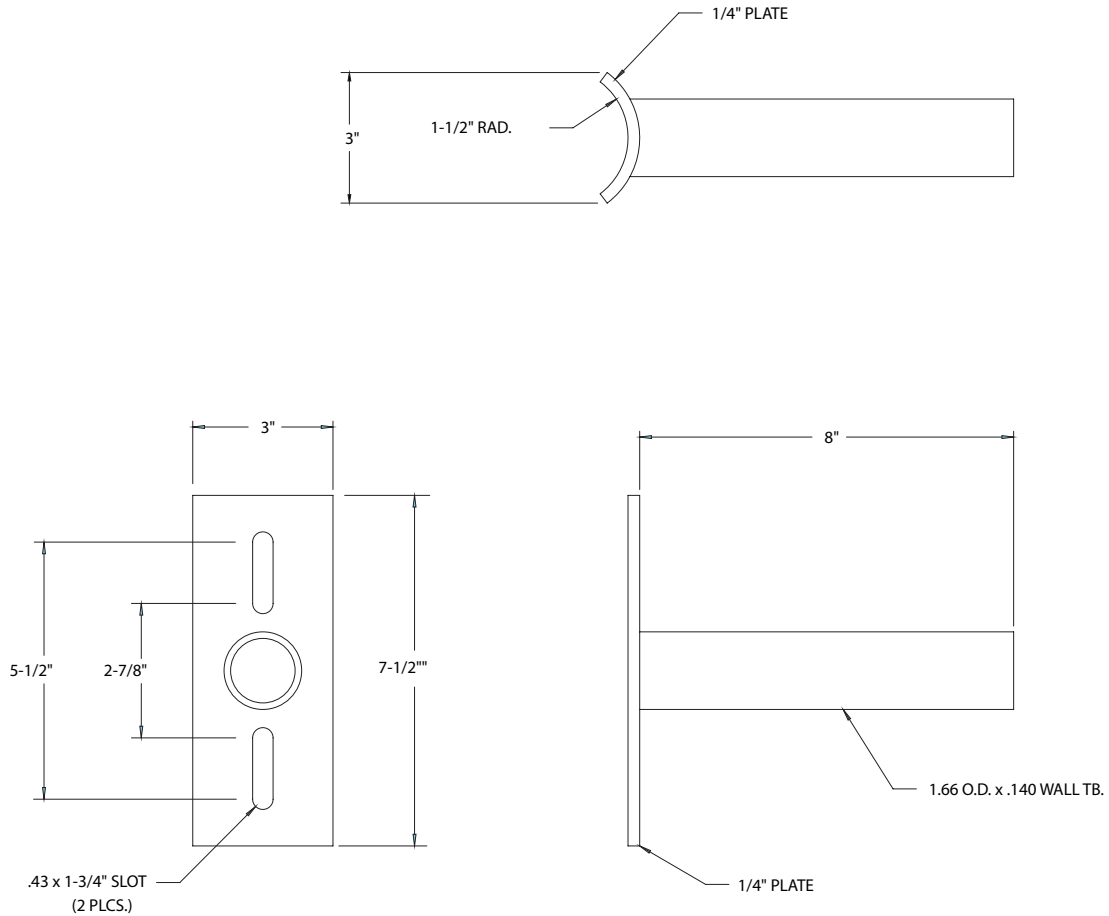
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# Autobahn Series ATBS

## Roadway & Security Lighting

### UMR POLE ADAPTOR

RECOMMENDED FOR USE WITH POLES OF 4" DIAMETER OR SMALLER



### UMS POLE ADAPTOR



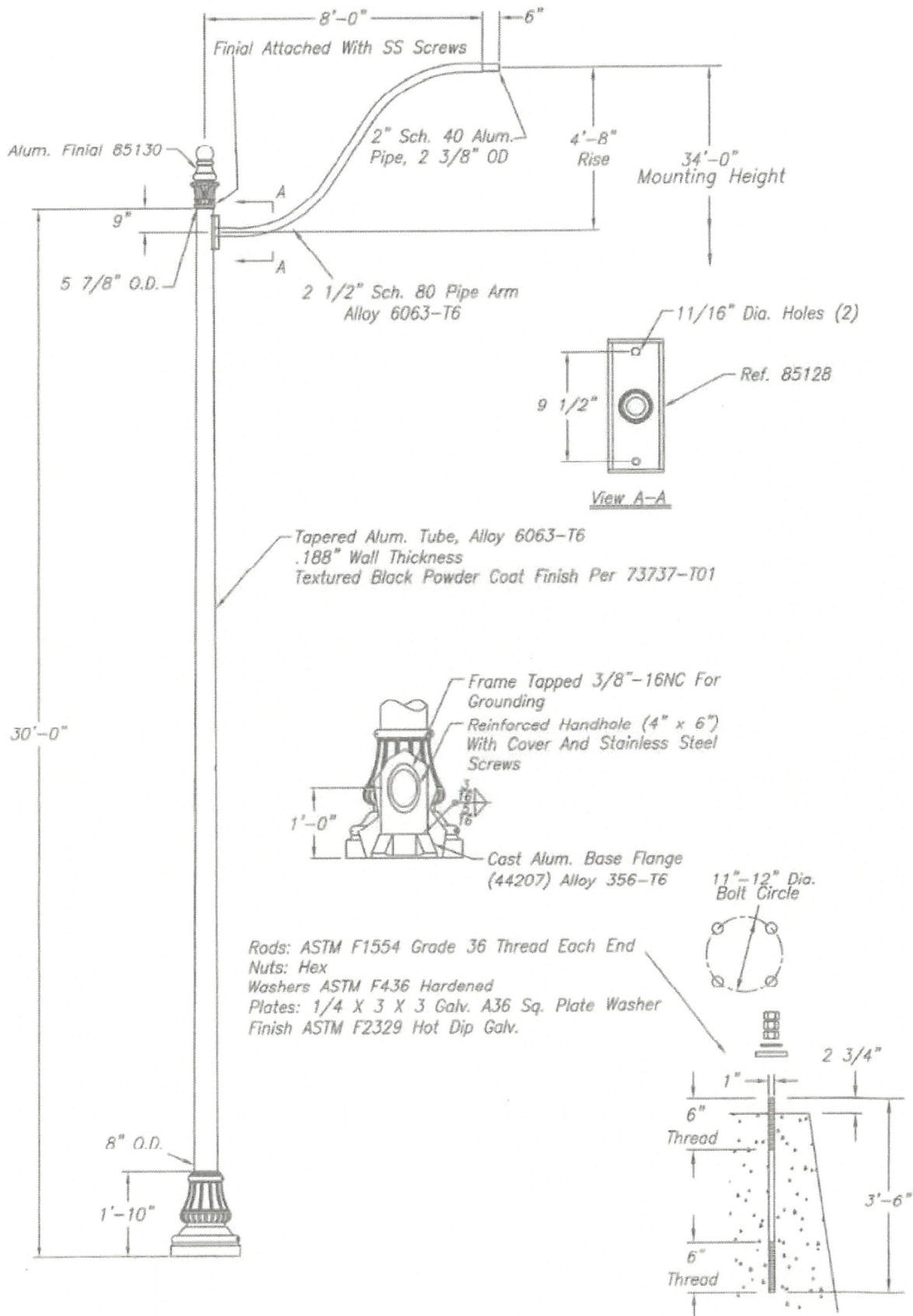
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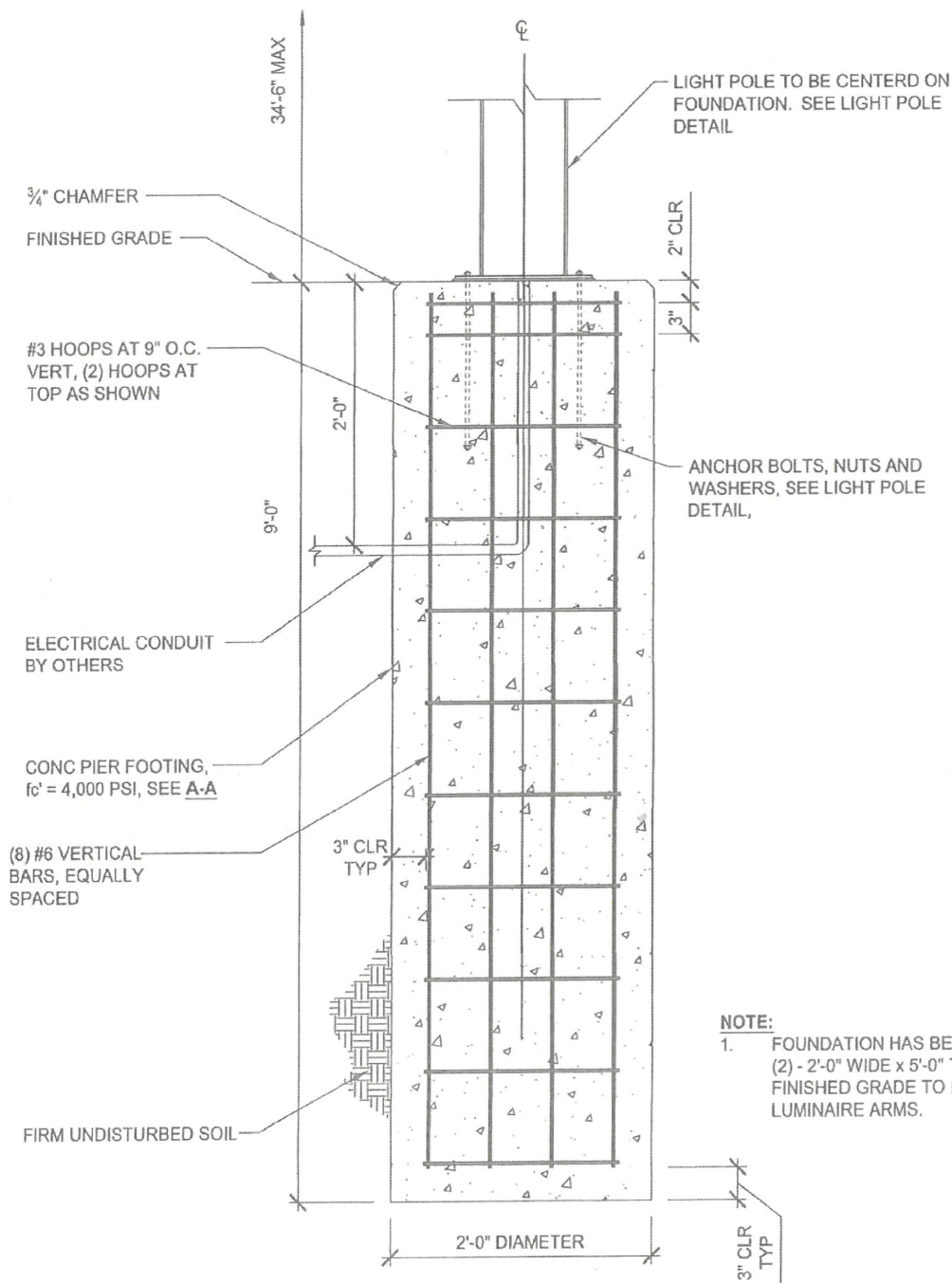
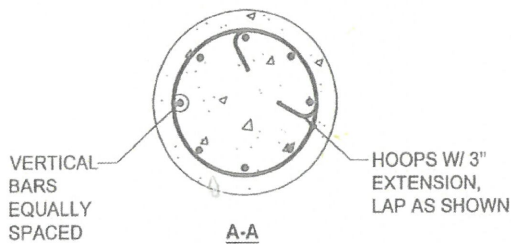
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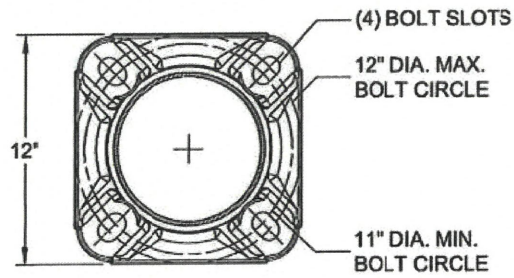




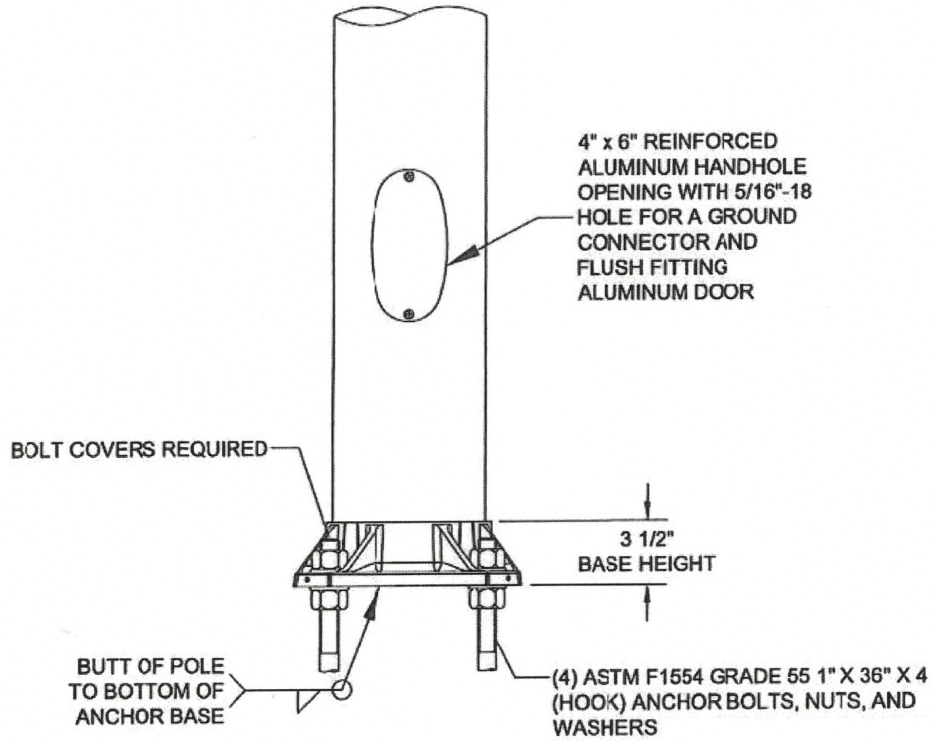


STREET LIGHT POLE FOUNDATION

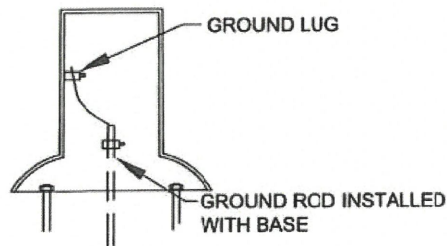




DETAIL B



DETAIL A



GROUNDING DETAIL