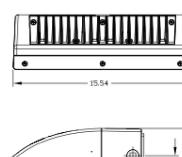
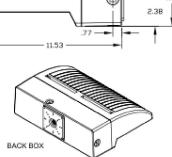


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DIMENSIONS





Features:

OPTICAL

The Autobahn's new molded silicone optics provide exceptional performance. Silicone optics are superior to other polymeric materials in the areas of; optical efficiency, thermal performance, and reduction in dirt accumulation, all of which can lead to long term lumen degradation and a shift in optical distribution. Also, because silicone allows for the molding of fine details as well as thick sections, it produces the most crisp, clean and well-defined lighting distributions available. Silicone optics paired with modern LED's allow the Autobahn to take full advantage of both technologies.

Same Light: Performance is comparable to 100 - 400W HPS roadway luminaires.

White Light: Correlated color temperature - 4000K, or optional 2700K, 3000K or 5000K, all 70 CRI minimum.

Unique IP66 rated LED light engines provided 0% uplight and restrict backlight to within sidewalk depth, providing optimal application coverage and optimal pole spacing. Available in Type II, III, IV, and V roadway distributions.

ELECTRICAL

Expected Life: LED light engines are rated >100,000 hours at 25°C, L70. Electronic driver has an expected life of 100,000 hours at a 25°C ambient.

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

Robust Surge Protection: Two different surge protection options provide a minimum of ANSI C136.2 10kV/5kA protection. 20kV/10kA protection is also available.

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 easily 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 7 (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" 0.D.) diameter. Provides a 3G vibration rating per ANSI C136.31

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 receptacle optionally available.

Premium solid state locking style photocontrol - PCSS (10 year rated life) Extreme long life solid state locking style photocontrol - PCLL (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.

The electrical contractor shall be responsible for receiving, storage, installation and wiring of light fixtures.

The electrical contractor shall report any damaged light fixtures or missing parts to Villa Lighting within 48 hours of receipt of light fixture package.

Design is based on current information provided at the time of request. Any changes in mounting height, mounting location, lamp wattage, lamp type, and existing field conditions

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Fixtures mounted on 15' pole Light level calculated on the ground

1. Readings shown are based on a total LLF of as shown at grade. Data references the extrapolated performance projections in a 25c ambient based on 10,000 hrs of LED testing (per IESNA LM-80-08 and projected per IESNA TM-21-11). 2. Please refer to the fixture labels for product type and mounting height.

3. Product information can be obtained at https://www.acuitybrands.com/ or through your local agency.

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Parking Lot	Ж	1.5 fc	4.4 fc	0.5 fc	8.8:1	3.0:1
Spill Light Summary	+	0.3 fc	4.4 fc	0.0 fc	N/A	N/A

ty	Manufacturer	Catalog Number	Number Lamps	Lumens Per Lamp	Light Loss Factor	Wattage	Description
	Holophane	HLWPC2 P10 40K XX T4M	1	3079	0.95	28	Wallpack Full Cutoff LED, LED Performance Package P10, 4000 series CCT, Voltage, Type IV Medium
	American Electric Lighting	ATB0 P202 R4 4K/5K HSS	1	5703	0.91	49	Autobahn Small P202 Package Roadway Type IV 4000K/5000K House side shield

<u>LEGEND</u>

%-14 NPT

	- EXISTING CONTOUR LINE
520	
516.3	EXISTING SPOT GRADE
+ 640.00	PROPOSED SPOT GRADE
	= EXISTING CURB LINE
	= PROPOSED CURB LINE
	EXISTING INLET
	PROPOSED INLET
	EXISTING STORM/SAN PIPE
	PROPOSED STORM SEWER
\mathbf{X}	EXISTING SITE LIGHT
•	PROPOSED SITE LIGHT
G	— EXISTING GAS LINE
<i>W</i>	— EXISTING WATER LINE
	- EXISTING OVERHEAD WIRE
	EXISTING UTILITY POLE
$\infty \infty \infty \infty$	C EXISTING STONE WALL
	- EXISTING FENCE
	PROPOSED CONCRETE
0—	EXISTING SITE LIGHT
	021 SUPPLEMENT TO REVISION 2 021 SUPPLEMENT TO REVISION 2
	021 PER BOARD REVIEW COMMENTS 021 PER TWP COMPLETENESS REVIEW
NO. DATE	REVISION
DRAWN BY: AMH	SCALE: FIELD BOOK: 1" = 20'
CHKD BY:	FILE:
PWF	141046/DWG/BASEMAPS/BASEMAP9-9-2020

PAUL W. FERRIERO N.J. PROFESSIONAL ENGINEER NO. <u>GE32978</u>



lferrriero Engineering, Inc

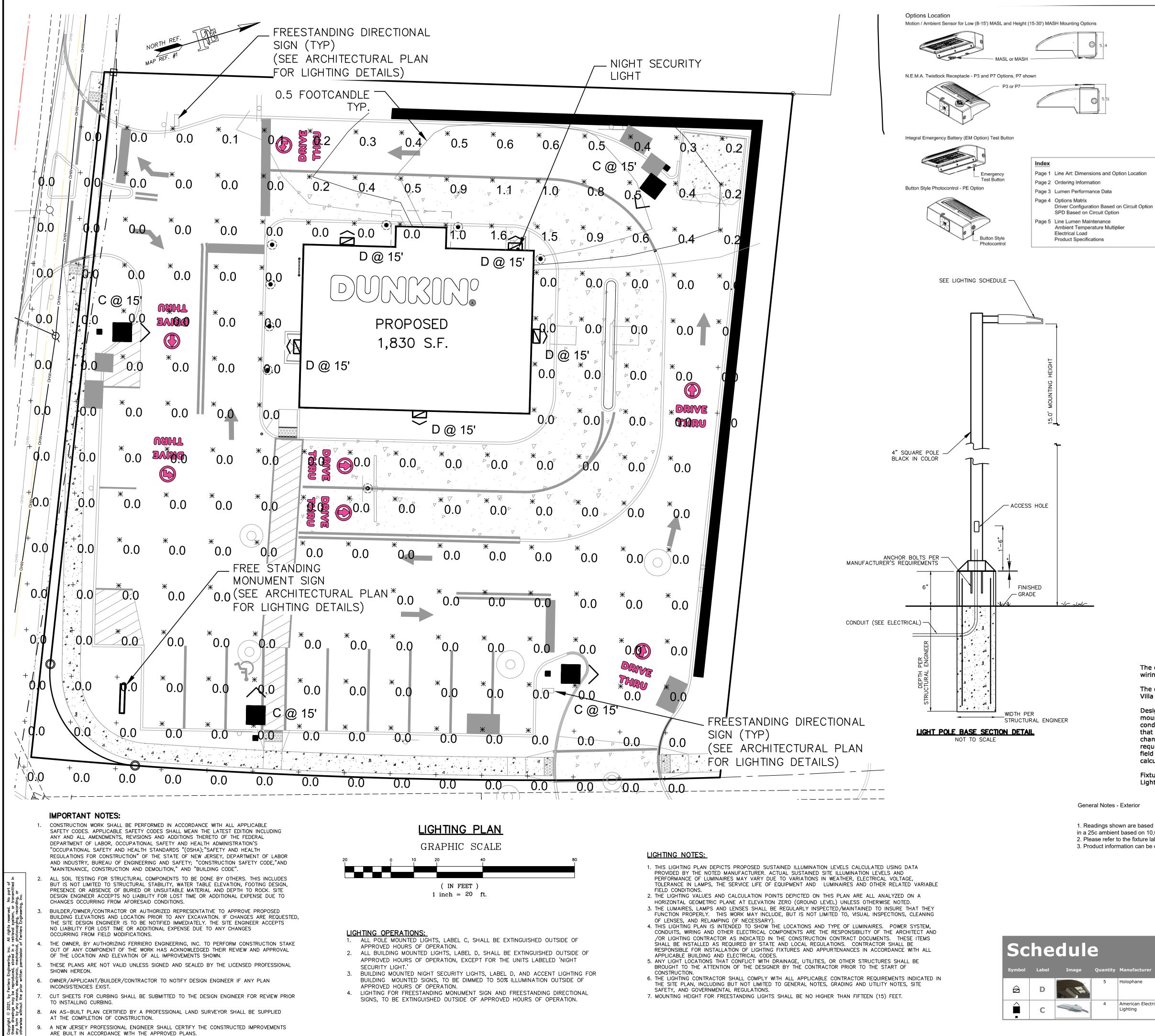
180 MAIN STREET P.O. BOX 571 CHESTER, NEW JERSEY 07930 908-879-6209 ERTIFICATE OF AUTHORIZATION 24GA27935400

LIGHTING PLAN

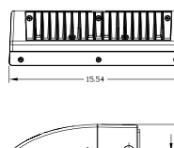


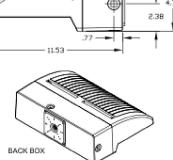
LOT 64 BLOCK 28005 MONTGOMERY TOWNSHIP SOMERSET COUNTY

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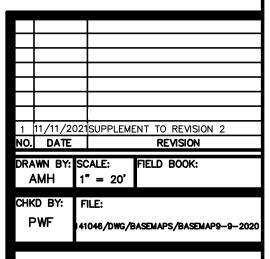
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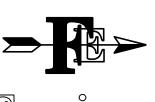
<u>LEGEND</u>

%-14 NPT

	540	EXISTING CONTOUR LINE
-	520	PROPOSED CONTOUR LINE
	516.3 ×	EXISTING SPOT GRADE
	+ 640.00	PROPOSED SPOT GRADE
		EXISTING CURB LINE
		PROPOSED CURB LINE
		EXISTING INLET
		PROPOSED INLET
=		EXISTING STORM/SAN PIPE
Ξ		PROPOSED STORM SEWER
	₩ X	EXISTING SITE LIGHT
	ů.	PROPOSED SITE LIGHT
-	G	EXISTING GAS LINE
-	<i>W</i>	EXISTING WATER LINE
_		EXISTING OVERHEAD WIRE
	\bigcirc	EXISTING UTILITY POLE
	~~~~~~	EXISTING STONE WALL
-	××	EXISTING FENCE
		PROPOSED CONCRETE
	0—	EXISTING SITE LIGHT



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OFF HOURS LIGHTING PLAN
DUNKIN
LOT 64 BLOCK 28005 MONTGOMERY TOWNSHIP SOMERSET COUNTY

NEW JERSEY							
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DATE:	2/	25/2021	]	PROJECT NO:			
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