

# Wheeler Kearns Architects

June 28<sup>th</sup> 2016

Sam Hubbard  
Dept. of Planning & Community Development  
Village of Arlington Heights 33 South Arlington Heights Road  
Arlington Heights IL 60005

Subject: PC #16-014 Round 1 Comments: Variation and Special Use Permit Application at 1234 N Arlington Heights Road

Dear Mr. Hubbard,

Please see comments below in response to the Village's initial review of materials provided as part of our application for Variation and Special Use Permit Application.

Department	Number	Village Comment	Petitioner's Response
Public Works Department	1	The proposed proximity of the lights must conform to the pertinent ordinances and must not provide a distraction to traffic on Arlington Heights Road.	Lights shall provide illumination in such a manner as not to create a nuisance on public right of way.
Engineering Department	11	Approval by the Plan Commission is not an endorsement or approval of these documents to obtain the required building permits, engineering approval, or permits required by other government or permitting agencies for	Our Saviour's acknowledges acceptance of this understanding.

		construction. Detailed plan review with associated comments will be provided upon submittal of plans for a building permit. The petitioner shall acknowledge that they accept this understanding.	
	12	Provide calculations showing existing and proposed impervious areas. Storm water detention is required for any new impervious area. This could also trigger a requirement for submittal to the MWRD.	In side/front yard along Arlington Heights Road, an existing concrete step and brick paving (refer survey) measuring 133sf will be removed. The proposed Columbarium measures 30 sf. The overall reduction in impervious area is over 100sf.
	13	When on-site lighting is proposed, provide a site photometric lighting diagram indicating lighting intensities. Also provide the associated catalog cuts for all roadway, parking lot, and building mounted luminaries. All fixtures must be flat bottom, sharp cut-off, and no wall pack style fixtures will be permitted.	Please refer to newly submitted site photometric lighting diagram, and catalog cuts for proposed Columbarium light fixtures. No roadway, parking lot or building mounted luminaires are proposed.
Fire Department	1	Is the exit door from the building in to the Columbarium currently a fire exit?	Yes, existing double door opens out to proposed Columbarium. Min 44" clear exit path shall be maintained to public way.

Police Department	2	Are lighting requirements adequate for safety?	Surfaces within proposed Columbarium shall be lit, including inside of landscaping, surfaces of Columbarium itself, ground surrounding bench, and the area underneath the ornamental tree, as well as light spilling from the interior of the building. The design intent is to illuminate faces, but that space is not so bright as to invite attention from the street. An exterior wall mounted motion activated light fixture shall be installed by the exterior entrance to the proposed Columbarium, and a security camera will be focused on the exterior entrance.
	6	(a) Emergency contact information card	Enclosed
		(b) Landscaping may enable illegal activities within Columbarium	Elimination of landscaping could result in exterior lighting posing a distraction to traffic on Arlington Heights Road. The proposed wall mounted motion activated light fixture and security camera are intended to deter illegal activity. Furthermore, the proposed Columbarium is intended as a quiet, contemplative space. The proposed landscaping offers a physical barrier against the road traffic noise.

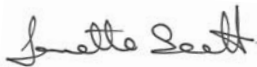
		( c ) Access control should be considered	Access control has been considered, but the Church is confident that the motion activated light and security camera will deter unwanted visitors, while permitting members of the Church safe and convenient access.
		(d) Consider posting no trespassing/loitering/no unauthorized use signage.	Our Saviour's will consider.
		( e ) Security Survey	Our Saviour's acknowledges receipt of survey and will consider making improvements. No new work is proposed to the existing exterior signage.

The following items are included with our response:

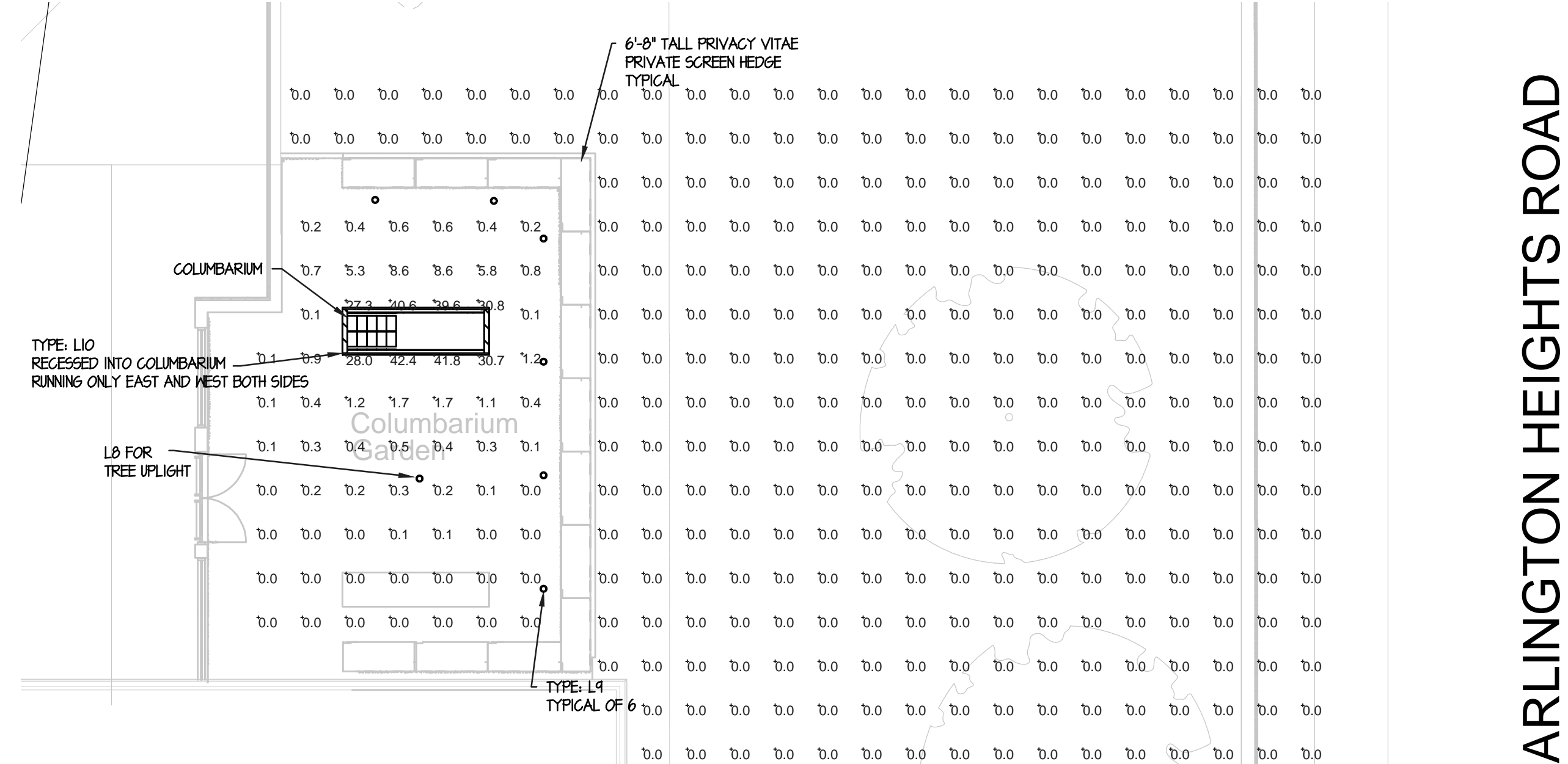
1. Site photometric lighting diagram and catalog cuts for proposed Columbarium light fixtures
2. Emergency information card
3. Notification affidavit

Thank you for your consideration of this application,

Sincerely,

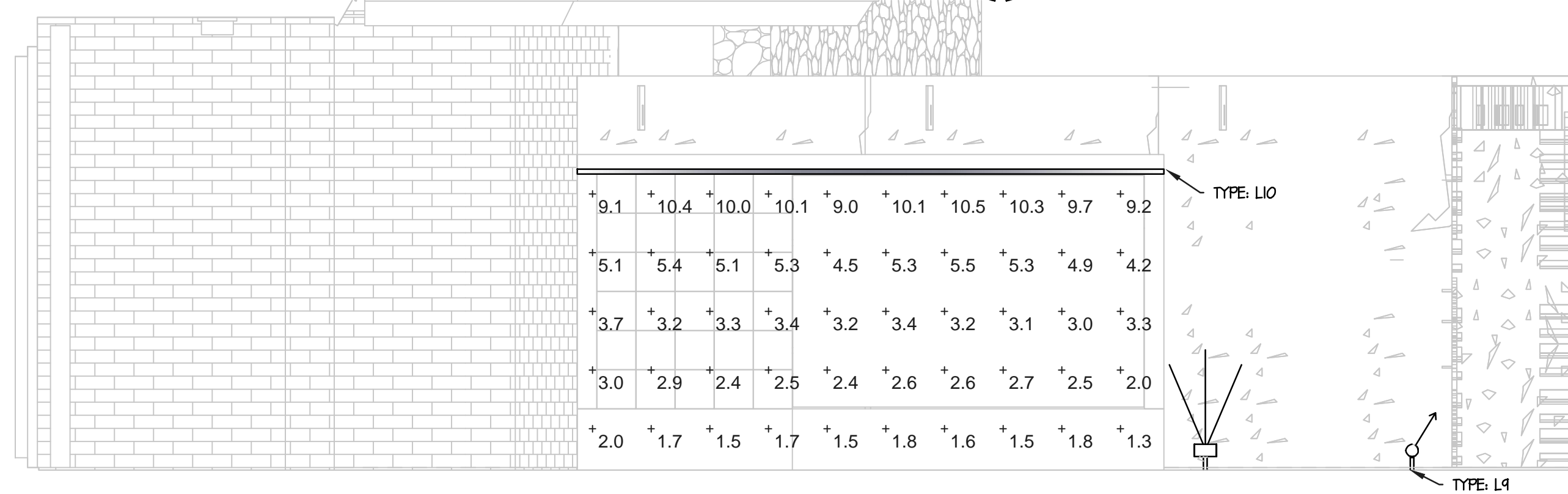


Janette Scott MRIAI

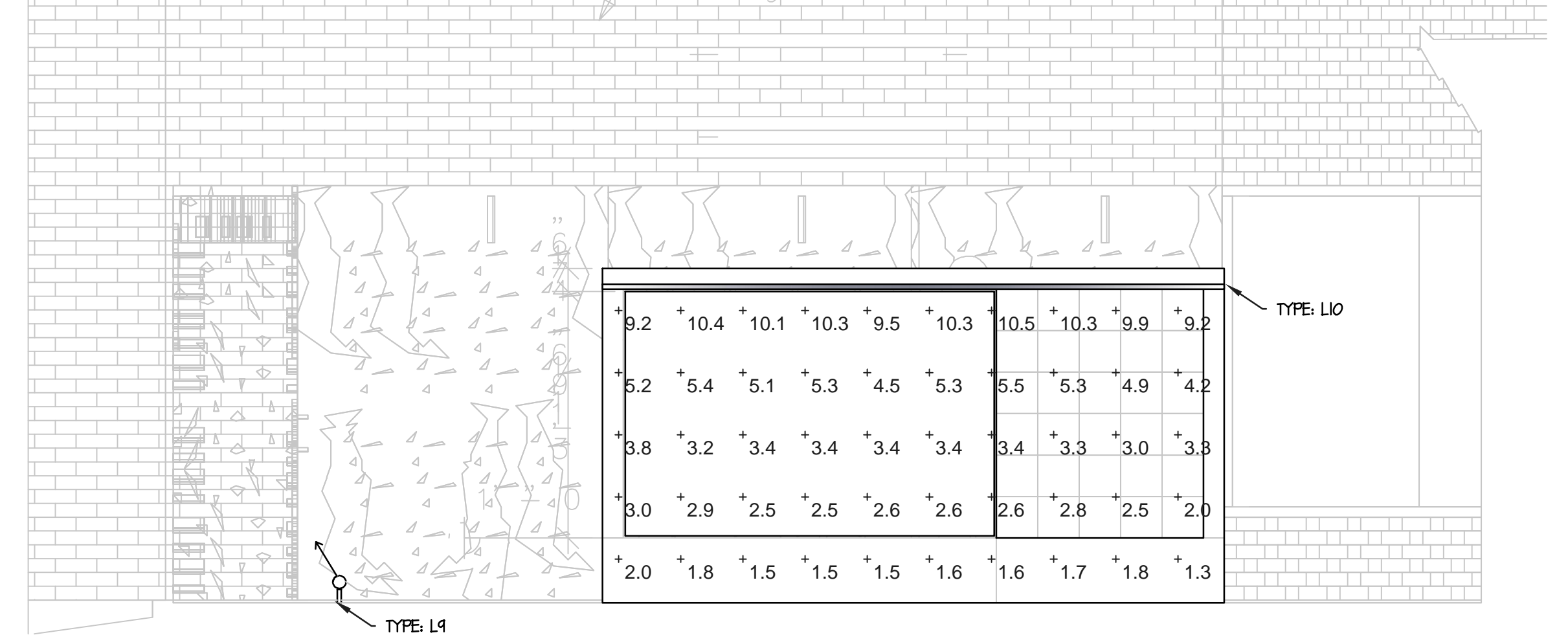


ARLINGTON HEIGHTS ROAD

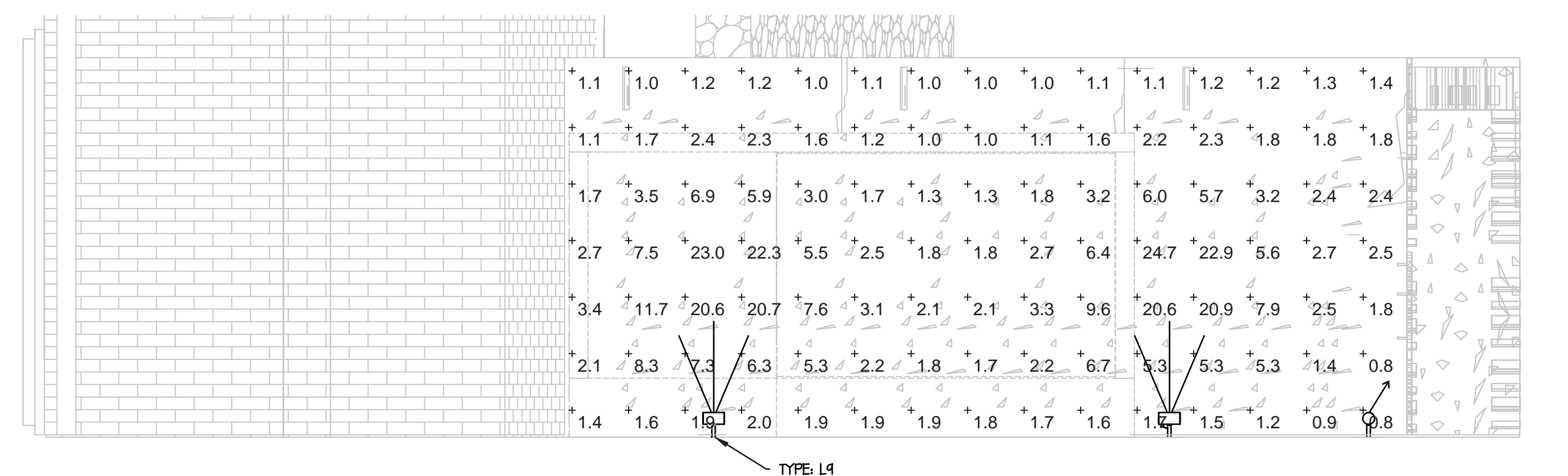
COLUMBARIUM PHOTOMETRIC STUDY  
SCALE 1/8"=1'-0"



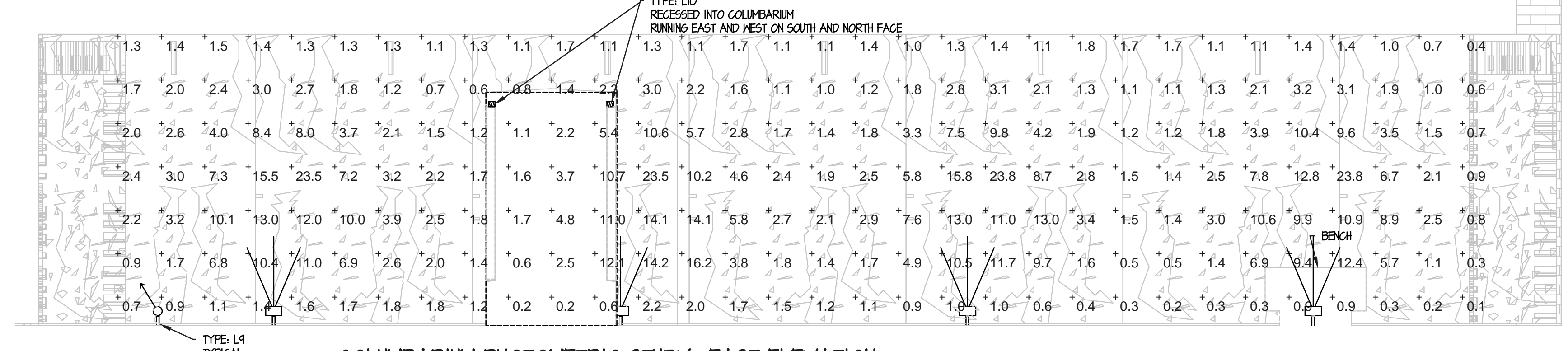
COLUMBARIUM PHOTOMETRIC STUDY- SOUTH FACE ELEVATION  
SCALE 1/2"=1'-0"



COLUMBARIUM PHOTOMETRIC STUDY- NORTH FACE ELEVATION  
SCALE 1/2"=1'-0"



COLUMBARIUM PHOTOMETRIC STUDY- NORTH HEDGE  
SCALE 1/2"=1'-0"



COLUMBARIUM PHOTOMETRIC STUDY- EAST ELEVATION  
SCALE 1/2"=1'-0"

TYPE: L8/L9

**HNLLED26YA**

Project: \_\_\_\_\_ Type: \_\_\_\_\_  
Prepared By: \_\_\_\_\_ Date: \_\_\_\_\_

Driver Info		LED Info	
Type:	Constant Current	Watts:	28W
120V:	0.24A	Color Temp:	3000K
208V:	0.15A	Color Accuracy:	81 CRI
240V:	0.13A	L70 LifeSpan:	10000
277V:	0.11A	Lumens:	1899
Input Watts:	27W	Efficiency:	64 LPW
Efficiency:	87%		

Bullet shape die cast aluminum hood with 26 Watt LED Light Engine. Comes with narrow spotlight reflector installed.  
Color: Bronze Weight: 4.8 lbs

**Technical Specifications**

**Listings:**  
UL Listing: Suitable for wet locations. Suitable for ground mounting.  
IESNA LM-79 & LM-80 Testing: RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy Lighting Facts label.

**Electrical:**  
Driver: Constant Current, 700mA, 100-277V with 40V surge protection, 120V, 0.24A, 208V, 0.15A, 240V, 0.13A, 277V, 0.11A, 50/60Hz, THD < 20%, Power Factor: 99%  
THD: 8.4% at 120V, 9.2% at 277V  
Optical: NEMA Type: 21 x 2V Beam Spread.  
LED Characteristics: Multi-chip, high-output, long-life LEDs  
LEDs: Multi-chip, high-output, long-life LEDs  
Color Stability: RAB LEDs exceed industry standards for chromatic stability.  
Color Uniformity: RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standards for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377, 2011.

**Construction:**  
Cold Weather Starting: Minimum starting temperature is -40°F/-40°C  
Thermal Management: Superior heat sinking with external Air-Flow fins  
Housing: Precision die-cast aluminum housing, lens frame and mounting arm  
Reflector: Semi-specular, vacuum-metallized polycarbonate  
Mounting: Heavy duty mounting arm with "O" ring seal & stainless steel screws.  
Gaskets: High-temperature silicone gaskets  
Finish: Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contain no VOC or toxic heavy metals.  
Green Technology: Mercury and UV free, and RoHS compliant. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

**Other:**  
California Title 24: HNLLED26 complies with 2013 California Title 24 building and electrical codes as a commercial outdoor non-remote-mounted fixture < 30 Watts when used with a photomotor control. Select catalog number PCS900 (120V) or PCS1000277 (277V) to order a photomotor.  
Country of Origin: Designed by RAB in New Jersey and assembled in the USA by RAB's IREX Local workers.  
Buy American Act Compliant: This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act.  
Recovery Act (ARRA) Compliant: This product complies with the 32,225-21 "Required Use of American Iron, Steel, and Manufactured Goods" Buy American Act - Construction Materials (October 2010).  
Trade Agreements Act Compliant: This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act.  
GSA Schedule: Suitable in accordance with FAR Subpart 25.4.

Need help? Tech help line: (888) RAB-1080 Email: sales@rabweb.com Website: www.rabweb.com  
Copyright © 2014 RAB Lighting Inc. All Rights Reserved. Note: Specifications are subject to change at any time without notice. Page 1 of 2

TYPE: L10

**iQ67**  
4.4 W/FT  
WET RATED

COMPATIBLE EXTRUSIONS

**Dimensions:**  
Cut Length: 3.94" (99mm)  
Lead Wire: 18"

**NOTE:**  
Cutting sections of LED tape allows for changes in the field.  
4.4 watts per foot = cut every 3.94"  
\*Lead wire comes standard on all LEDs in 1.1" (28.1mm) length  
\*3 year warranty

**FLEXIBLE TAPE LIGHTS**

iQ Series	Color Temp	Chip	CRI	Watts Per Ft
<b>iQ67-25-50-90-4.4</b>				
Max Tape Length: 21ft   Color Temp: 2500K   Voltage: 24VDC CRI: 90+   LM: 79   Watts Per Ft: 4.4   Lumens Per Ft: 330				
<b>iQ67-27-50-90-4.4</b>				
Max Tape Length: 21ft   Color Temp: 2700K   Voltage: 24VDC CRI: 90+   LM: 79   Watts Per Ft: 4.4   Lumens Per Ft: 330				
<b>iQ67-30-50-90-4.4</b>				
Max Tape Length: 21ft   Color Temp: 3000K   Voltage: 24VDC CRI: 90+   LM: 79   Watts Per Ft: 4.4   Lumens Per Ft: 330				
<b>iQ67-35-50-90-4.4</b>				
Max Tape Length: 21ft   Color Temp: 3500K   Voltage: 24VDC CRI: 90+   LM: 79   Watts Per Ft: 4.4   Lumens Per Ft: 330				
<b>iQ67-40-50-90-4.4</b>				
Max Tape Length: 21ft   Color Temp: 4000K   Voltage: 24VDC CRI: 90+   LM: 79   Watts Per Ft: 4.4   Lumens Per Ft: 330				

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**STATISTICS**

Description	Symbol	Avg
EAST HEDGE WALL	+	5.4 fc
GARDEN	+	4.1 fc
NORTH HEDGE WALL	+	3.8 fc
NORTH SIDE COLUMBARIUM	+	5.1 fc
OUTSIDE OF HEDGE WALL	+	0.0 fc
SOUTH HEDGE WALL	+	0.3 fc
SOUTH SIDE COLUMBARIUM	+	5.0 fc

**LUMINAIRE SCHEDULE**

Symbol	Label	Catalog Number	Description	Lamp	File	Lumens	LLF	Watts
○	L9/L8	(NARROW SPOT)	CAST METAL HOUSING, BROWN PAINTED FLAT METAL HEAT SINK MOUNTING PLATE, CAST BROWN PAINTED FINNED METAL HEAT SINK, 1 CIRCUIT BOARD WITH 1 LED, MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH AND CLEAR PLASTIC CONVEX INNER LENS WITH 3 INTEGRAL MOUNTING POSTS, MOLDED WHITE PLASTIC FORWARD REFLECTOR MOUNTING CYLINDER, CLEAR FLAT GLASS LENS WITH HOLOGRAPHIC PLASTIC INTERIOR OVERLAY IN CAST BROWN PAINTED METAL FRAME.	ONE WHITE MULTI-CHIP LIGHT EMITTING DIODE (LED), AIMED AT THE HORIZON.	IB81783-cies	Absolute	0.95	26.7
—	L10	iQ67-30-50-90-4.4			iQ67-30-50-90-4.4-3.94INCHlies	100	.95	1.44

**NESKO**  
DESIGN / BUILD  
ELECTRIC

**BULLEY & ANDREWS**  
Building Maintainers

*Our Saviour's Lutheran Church*  
Arlington Heights, Illinois

2-26-16 ISSUED FOR PERMIT COMMENTS

*Our Saviour's Lutheran Church*  
Arlington Heights, Illinois  
1234 ARLINGTON HEIGHTS RD.  
ARLINGTON HEIGHTS, IL

Checked By: \_\_\_\_\_  
Drawn By: \_\_\_\_\_  
Scale: \_\_\_\_\_  
E-001.A

ELECTRICAL CONTRACTOR

GENERAL CONTRACTOR

CLIENT

REVISIONS

PROJECT NAME