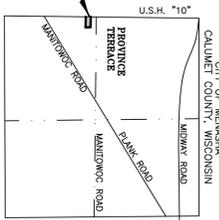
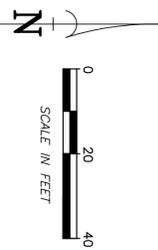


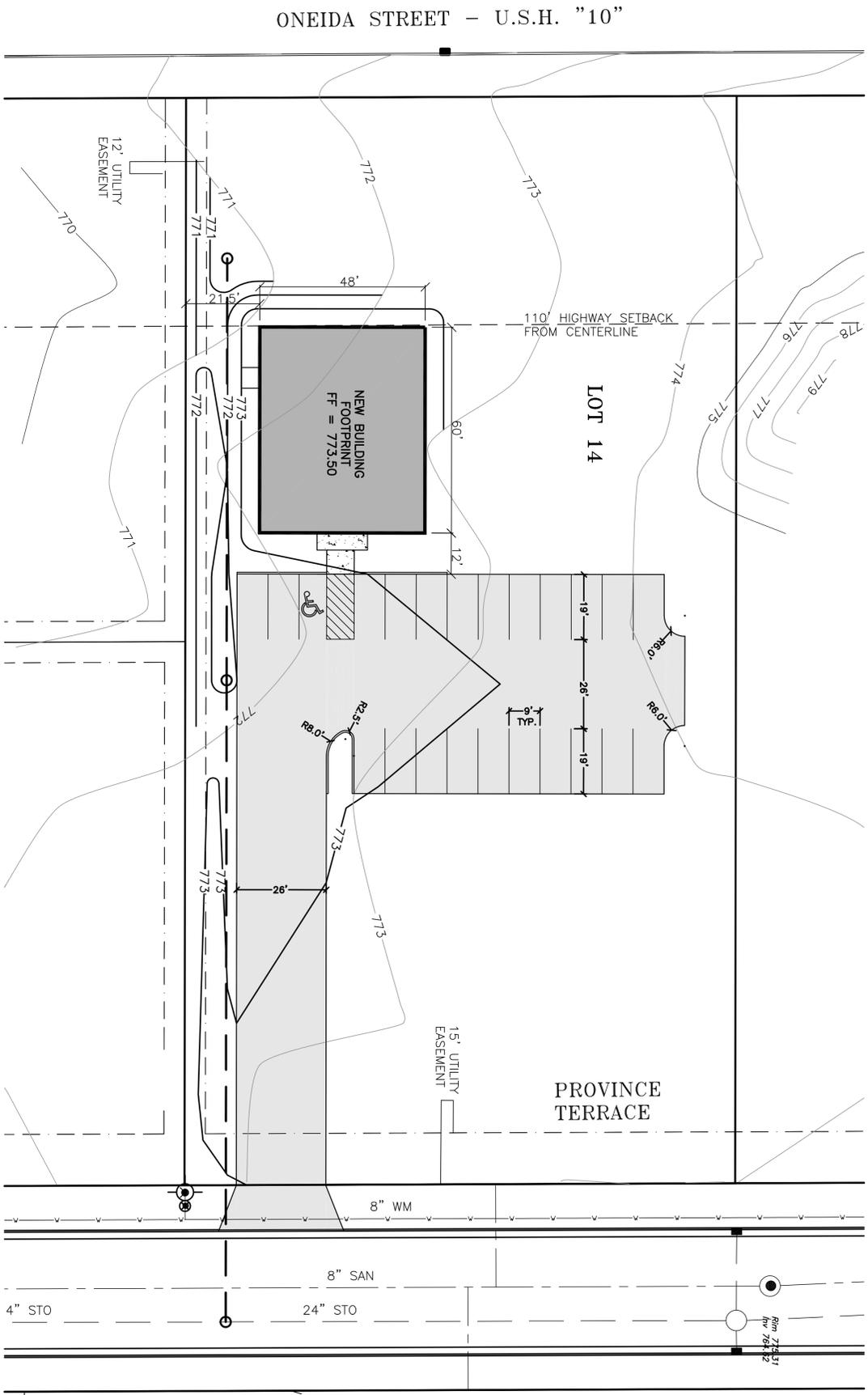
LOCATION MAP



NO SCALE



SITE PLAN: LIVING HOPE LUTHERAN



TOPOGRAPHIC LEGEND	
1" x 1/4" IRON PIPE SET	OVERHEAD POWER LINES
1" x 1/4" x 30" IRON PIPE SET	UNDERGROUND ELECTRIC
3/4" IRON PIPE FOUND	UNDERGROUND FIBER OPTIC
1" IRON PIPE FOUND	UNDERGROUND GAS
2" IRON PIPE FOUND	UNDERGROUND CABLE TV
3" IRON PIPE FOUND	EXIST. FENCE LINE
4" IRON PIPE FOUND	POWER POLE
5" IRON PIPE FOUND	UTILITY
6" IRON PIPE FOUND	TELEPHONE RECEIVING
7" IRON PIPE FOUND	CABLE TELEVISION
8" IRON PIPE FOUND	CABLE RECEPTACLE
9" IRON PIPE FOUND	EXIST. HYDRANT
10" IRON PIPE FOUND	WATER VALVE BOX
11" IRON PIPE FOUND	WATER VALVE
12" IRON PIPE FOUND	WATER STOP BOX
13" IRON PIPE FOUND	DATE VALVE
14" IRON PIPE FOUND	EXIST. STORM MANHOLE
15" IRON PIPE FOUND	EXIST. SANITARY MANHOLE
16" IRON PIPE FOUND	EXIST. SANITARY MANHOLE
17" IRON PIPE FOUND	EXIST. SANITARY MANHOLE
18" IRON PIPE FOUND	EXIST. SANITARY MANHOLE
19" IRON PIPE FOUND	EXIST. SANITARY MANHOLE
20" IRON PIPE FOUND	EXIST. SANITARY MANHOLE
21" IRON PIPE FOUND	EXIST. SANITARY MANHOLE
22" IRON PIPE FOUND	EXIST. SANITARY MANHOLE
23" IRON PIPE FOUND	EXIST. SANITARY MANHOLE
24" IRON PIPE FOUND	EXIST. SANITARY MANHOLE
25" IRON PIPE FOUND	EXIST. SANITARY MANHOLE
26" IRON PIPE FOUND	EXIST. SANITARY MANHOLE
27" IRON PIPE FOUND	EXIST. SANITARY MANHOLE
28" IRON PIPE FOUND	EXIST. SANITARY MANHOLE
29" IRON PIPE FOUND	EXIST. SANITARY MANHOLE
30" IRON PIPE FOUND	EXIST. SANITARY MANHOLE
31" IRON PIPE FOUND	EXIST. SANITARY MANHOLE
32" IRON PIPE FOUND	EXIST. SANITARY MANHOLE
33" IRON PIPE FOUND	EXIST. SANITARY MANHOLE
34" IRON PIPE FOUND	EXIST. SANITARY MANHOLE
35" IRON PIPE FOUND	EXIST. SANITARY MANHOLE
36" IRON PIPE FOUND	EXIST. SANITARY MANHOLE
37" IRON PIPE FOUND	EXIST. SANITARY MANHOLE
38" IRON PIPE FOUND	EXIST. SANITARY MANHOLE
39" IRON PIPE FOUND	EXIST. SANITARY MANHOLE
40" IRON PIPE FOUND	EXIST. SANITARY MANHOLE
41" IRON PIPE FOUND	EXIST. SANITARY MANHOLE
42" IRON PIPE FOUND	EXIST. SANITARY MANHOLE
43" IRON PIPE FOUND	EXIST. SANITARY MANHOLE
44" IRON PIPE FOUND	EXIST. SANITARY MANHOLE
45" IRON PIPE FOUND	EXIST. SANITARY MANHOLE
46" IRON PIPE FOUND	EXIST. SANITARY MANHOLE
47" IRON PIPE FOUND	EXIST. SANITARY MANHOLE
48" IRON PIPE FOUND	EXIST. SANITARY MANHOLE
49" IRON PIPE FOUND	EXIST. SANITARY MANHOLE
50" IRON PIPE FOUND	EXIST. SANITARY MANHOLE

SITE PLAN LEGEND	
[Symbol]	PROPOSED ASPHALT (LIGHT DUTY)
[Symbol]	PROPOSED CONCRETE

INDEX OF SHEETS	
DRAWING NO.	DESCRIPTION:
C101	SITE PLAN
C201	UTILITY LAYOUT PLAN
C301	DRAINAGE PLAN
C401	EROSION CONTROL PLAN
C402	EROSION CONTROL DETAILS
C403	EROSION CONTROL DETAILS
C501	STANDARD DETAIL DRAWINGS

PERTINENT CONTACTS		CONTACT PERSON	PHONE
SURVEYOR	GARY ZAHNINGER	920-731-0381	
ENGINEER	MIKE SIEWERT	920-731-0381	
ARCHITECT	TIM CARLSON	920-731-0381	

- SITE PLAN NOTES**
- ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY OF MENASHA REGULATIONS AND CODES.
  - ALL DISTURBED AREAS ARE TO RECEIVE FOUR INCHES OF TOP-SOIL, SEED, MULCH AND WATER UNTIL A HEALTHY STAND OF GRASS IS ESTABLISHED.
  - ALL DIMENSIONS ARE TO THE EDGE OF BUILDING OR FACE OF CURB.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, INCLUDING SIGNALS & POLES, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITIES SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COST SHALL BE INCLUDED IN BASE BID.
  - NO HAZARDOUS MATERIALS WILL BE STORED ON SITE.
  - ALL STOP SIGNS SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION MUTICD, LATEST VERSION.
  - THE CONTRACTOR AND/OR OWNER SHALL NOT PROCEED WITH LAND DISTURBING ACTIVITIES PRIOR TO RECEIVING WRITTEN NOTICE TO PROCEED FROM THE ENGINEER.
  - NO OUTDOOR STORAGE OR DISPLAY IS PROPOSED.

**BUILDING SIZE**  
 PROPOSED BUILDING: 2,880 SF  
 1-STORY, 48'-0" X 60'-0", TYPE VA CONSTRUCTION, CHURCH (RELIGIOUS) USE, NOT FIRE SPRINKLER.

**CLIENT INFORMATION:**  
 LIVING HOPE LUTHERAN  
 1173 WEST KIMBERLY AVENUE  
 KIMBERLY, WI 54911  
 PASTOR DAVID UDE  
 PHONE: 715-450-2968

**PROPERTY OWNER:**  
 JOHN DAVEL  
 1811 RACINE STREET  
 MENASHA, WI 54952  
 PHONE: 920-560-6563

**LEGAL DESCRIPTION:**  
 LOT 14, PROVINCE TERRACE, BEING PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4, IN SECTION 7, TOWNSHIP 20 NORTH, RANGE 18 EAST, COUNTY OF MENASHA, CALUMET COUNTY, WISCONSIN

**PROJECT ARCHITECT:**  
 MARTENSON & EISELE, INC.  
 1377 MIDWAY ROAD  
 MENASHA, WI 54952  
 tim@martenzoneisele.com  
 PHONE: 920-731-0381

**ZONING DATA**  
 CURRENT ZONING DISTRICT: GENERAL COMMERCIAL DISTRICT (C-1)

**ENGINEER:**  
 MARTENSON & EISELE, INC.  
 ATTN: MIKE SIEWERT, P.E.  
 1377 MIDWAY ROAD  
 MENASHA, WI 54952  
 mikes@martenzoneisele.com  
 PHONE: 920-731-0381

**PARKING CALCULATIONS**  
 PROPOSED NO. OF PARKING STALLS = 21

**NRCS SOILS**  
 M8A MANAWA SILT LOAM  
 Hydrologic Soil Type D.

**SIGNAGE**  
 NO SIGNAGE AT THIS TIME.

**LEGAL DESCRIPTION**  
 LOT 14, PROVINCE TERRACE, BEING PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4, IN SECTION 7, TOWNSHIP 20 NORTH, RANGE 18 EAST, COUNTY OF MENASHA, CALUMET COUNTY, WISCONSIN

**Martenson & Eisele, Inc.**  
 1377 Midway Road  
 Menasha, WI 54952  
 www.martenson-eisele.com  
 info@martenzoneisele.com  
 920.731.0381 1.800.236.0381

Planning  
 Environmental  
 Surveying  
 Engineering  
 Architecture

NO.	DATE	EAE	FIELDWORK	APPROVED
			NO.	NO.

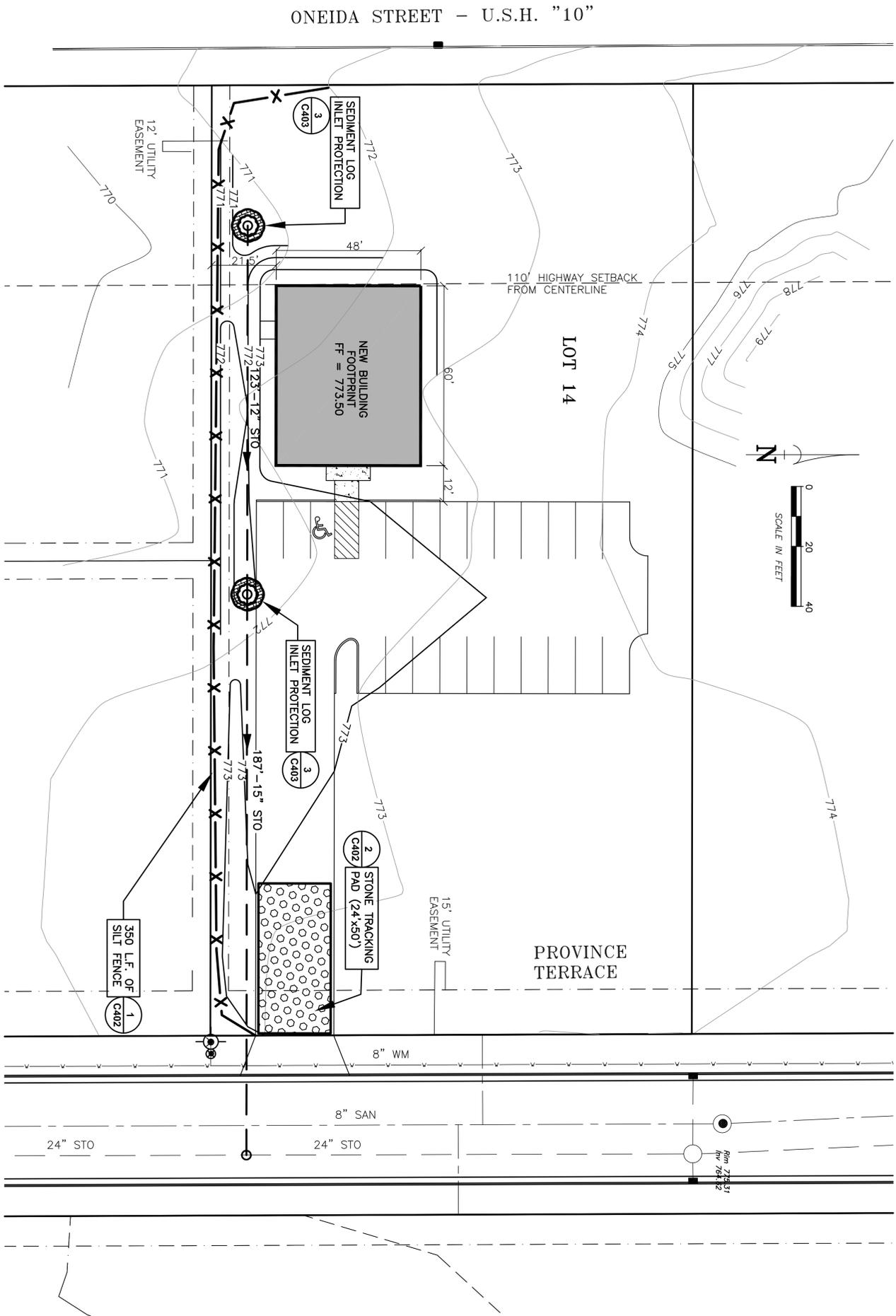
**SITE PLAN**  
**LIVING HOPE LUTHERAN**  
 CITY OF MENASHA, CALUMET COUNTY, WISCONSIN

SCALE	DATE
BAR SCALE	8/7/2015
COMPUTER FILE	
1-0598-0026.dwg	
DRAWING NO.	C101





# EROSION CONTROL PLAN: LIVING HOPE LUTHERAN



GENERAL NOTES	
1.	SITE DRAINAGE: WATER PUMPED FROM THE SITE SHALL BE TREATED BY THE CONTRACTOR AND DISCHARGED TO THE SEWER MAIN OR TO A DRAINAGE CHANNEL IN A MANNER THAT CAUSES EROSION OF THE SITE OR RECEIVING CHANNELS. (NOT ANTICIPATED)
2.	WASTE AND MATERIAL DISPOSAL: ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, WASTEWATER, TOXIC MATERIALS OR HAZARDOUS MATERIALS) SHALL BE PROPERLY DISPOSED OF AND NOT ALLOWED TO BE OPENED BY EXPOSURE TO RECEIVING CHANNELS OR SEWER SYSTEMS.
3.	TRACKING: THIS SITE SHALL STABILIZE THE EXISTING DRIVE WITH 3 TO 6 INCHES OF TOPSOIL. THE CONTRACTOR SHALL MAINTAIN TRACKING PADS THROUGHOUT THE PROJECT. TRACKING PADS SHALL BE MAINTAINED AS LONG AS POSSIBLE.
4.	DRAIN INLET PROTECTION: ALL ON-SITE STORM DRAIN INLETS AND THE IMPACTED DRAINAGE AREAS SHALL BE PROTECTED AS SHOWN ON THE PLAN.
5.	SEDIMENT CLEANUP: ALL OFF-SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF CONSTRUCTION SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. ALL OFF-SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF CONSTRUCTION SHALL BE CLEANED UP BY THE END OF THE WORK DAY. DISTURBANCE TIMING: ALL ACTIVITIES ON THE SITE SHALL BE CONDUCTED IN A LOGICAL SEQUENCE TO MINIMIZE THE AREA OF BARE SOIL EXPOSED AT ANY ONE TIME. EXISTING VEGETATION SHALL BE MAINTAINED AS LONG AS POSSIBLE.
6.	

EROSION CONTROL NOTES	
1.	THE CONTRACTOR SHALL INSTALL SILT FENCE AROUND THE PERIMETER OF THE PROJECT AS SHOWN ON THIS PLAN PRIOR TO ANY CONSTRUCTION INCLUDING STRIPPING TOPSOIL.
2.	ALL EROSION CONTROL DEVICES SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL THE COMPLETION OF HIS CONTRACT.
3.	THE CONTRACTOR SHALL MAINTAIN SAID EROSION CONTROL DEVICES UNTIL THE COMPLETION OF HIS CONTRACT AND SHALL NOT REMOVE THE EROSION CONTROL DEVICES UNTIL VEGETATION IS ESTABLISHED.
4.	THE CONTRACTOR SHALL SEED AND MULCH ALL DISTURBED AREAS. THE GRADING CONTRACTOR SHALL ESTABLISH SEED MIXTURE SHALL BE ACCORDING TO THE SPECIFICATIONS.
5.	THE CONTRACTORS SHALL PREVENT TRACKING ON EXISTING STREETS. ANY SEDIMENT TRACKED ONTO EXISTING STREETS SHALL BE CLEANED UP DAILY.
6.	INSTALLATION AND MAINTENANCE OF EROSION CONTROL SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS.
7.	SILT FENCES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED AS SOON AS WORK IS COMPLETE IN THAT AREA.

CONTRACTOR RESPONSIBILITIES	
1.	NOTIFY THE INSPECTOR WITHIN 48 HOURS OF COMMENCING ANY LAND DISTURBING OR LAND DEVELOPMENT ACTIVITY.
2.	NOTIFY THE ENGINEER OF COMPLETION OF ANY EROSION CONTROL MEASURES WITHIN 3 DAYS AFTER COMPLETION.
3.	OBTAIN PERMISSION IN WRITING FROM THE ENGINEER PRIOR TO MODIFYING THE EROSION CONTROL PLAN.
4.	INSTALL ALL EROSION CONTROL MEASURES AS IDENTIFIED IN THE APPROVED EROSION CONTROL PLAN.
5.	REPAIR ANY SITUATION OR EROSION DAMAGE TO ADJOINING SURFACES AND DRAINAGEWAYS RESULTING FROM LAND DEVELOPING OR DISTURBING ACTIVITIES.
6.	MAINTAIN ALL ON- AND OFF- SITE STORM WATER DRAINAGE SYSTEMS AS IDENTIFIED ON THE EROSION CONTROL PLAN.
7.	REPAIR ANY EROSION CONTROL SYSTEM INSTALLED IN ACCORDANCE TO THE EROSION CONTROL PLAN.
8.	INSPECT THE CONSTRUCTED EROSION CONTROL MEASURES AFTER EACH RAIN OF 0.5 INCHES OR MORE TO ENSURE THEY ARE FUNCTIONING AS INTENDED.
9.	ADVISE THE ENGINEER TO ENTER THE SITE FOR THE PURPOSE OF INSPECTING COMPLIANCE WITH THE EROSION CONTROL PLAN OR FOR PERFORMING ANY WORK NECESSARY TO BRING THE SITE INTO COMPLIANCE WITH THE EROSION CONTROL PLAN.
10.	KEEP A COPY OF THE APPROVED EROSION CONTROL PLAN ON THE SITE.
11.	ALL AREAS BEING SEEDED SHOULD HAVE A MINIMUM OF 4 INCHES OF SUITABLE TOPSOIL.
12.	GRADING CONTRACTOR SHALL MAINTAIN EROSION CONTROL UNTIL TERMINATION NOTICE IS ISSUED.
13.	ALL DISTURBED AREAS SHALL BE RESTORED WITHIN 7 DAYS OF COMPLETION OF WORK WITHIN THESE AREAS. THIS INCLUDES SOIL STOCKPILES, WHICH SHALL BE STABILIZED BY MULCHING, TEMPORARY SEEDING, SODDING OR COVERING W/ TARPS.
14.	GRADE & GRAVEL CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL DEVICES AFTER SITE STABILIZATION.

EROSION CONTROL PLAN KEY LEGEND	
1	SILT FENCE (MNDNR NO. 1056) C402
2	TRACKING PROTECTION (MNDNR NO. 1057) C402
3	INLET PROTECTION TYPES A, B, C, & D (MNDNR NO. 1066) C402
4	INLET PROTECTION TYPE D-M (MNDNR NO. 1066) C402
5	INLET PROTECTION TYPE D-HR (MNDNR NO. 1066) C402
6	ROCKBAG CULVERT PIPE DITCH CHECK (MNDNR NO. 1066) C402
7	TEMPORARY CONCRETE WASHOUT FACILITY (C402)
8	EROSION CONTROL MAT DETAIL (CLASS 1, TYPE A) (MNDNR NO. 1053) C402
9	EROSION CONTROL MAT DETAIL (CLASS 1, TYPE B) (MNDNR NO. 1053) C402
10	SEDIMENT LOG INLET PROTECTION (SEDIMENT LOG INLET PROTECTION SHALL BE LOG PRODUCTS ARE NOT ALLOWED) C403
11	SEDIMENT LOG CHANNEL DITCH CHECK (SEDIMENT LOG CHANNEL PROTECTION SHALL BE LOG PRODUCTS ARE NOT ALLOWED) C403

TOPOGRAPHIC LEGEND			
1	1" x 1/4" iron pipe set	1	OVERHEAD POWER LINES
2	1-1/4" x 3/8" rebar set	2	EXIST. STORM MAINLINE
3	3/4" rebar round	3	EXIST. STORM MANHOLE
4	1" non pipe round	4	EXIST. STORM
5	1-1/4" rebar round	5	EXIST. SAN SEWER
6	2" non pipe round	6	EXIST. SAN SEWER
7	CONCRETE CORNER	7	EXIST. WATER MAIN
8	REBAR CORNER	8	EXIST. SPOT ELEVATION
9	CONCRETE TREE	9	CONTROL W/ ELEVATION
10	REBAR TREE	10	EXIST. TOP OF CURB ELEV.
11	CONCRETE LIGHT POLE	11	EXIST. FLOOR = 000.00
12	REBAR LIGHT POLE	12	EXIST. FINISH FLOOR = 000.00
13	CONCRETE TELEPHONE POST	13	TOPSOIL DEPTH
14	REBAR TELEPHONE POST	14	INSTRUMENTED SOIL BORING
15	CONCRETE WATER VALVE		
16	REBAR WATER VALVE		
17	CONCRETE WATER STOP BOX		
18	REBAR WATER STOP BOX		

**Martenson & Eisele, Inc.**  
 1377 Midway Road  
 Menasha, WI 54952  
 www.martenson-eisele.com  
 info@martenson-eisele.com  
 920.731.0381 1.800.236.0381

Planning  
 Environmental  
 Surveying  
 Engineering  
 Architecture

DRAWN BY	JJR	FIELDWORK		APPROVED	
NO.		DATE		MSS	REVISION

## EROSION CONTROL PLAN

### LIVING HOPE LUTHERAN

CITY OF MENASHA, CALUMET COUNTY, WISCONSIN

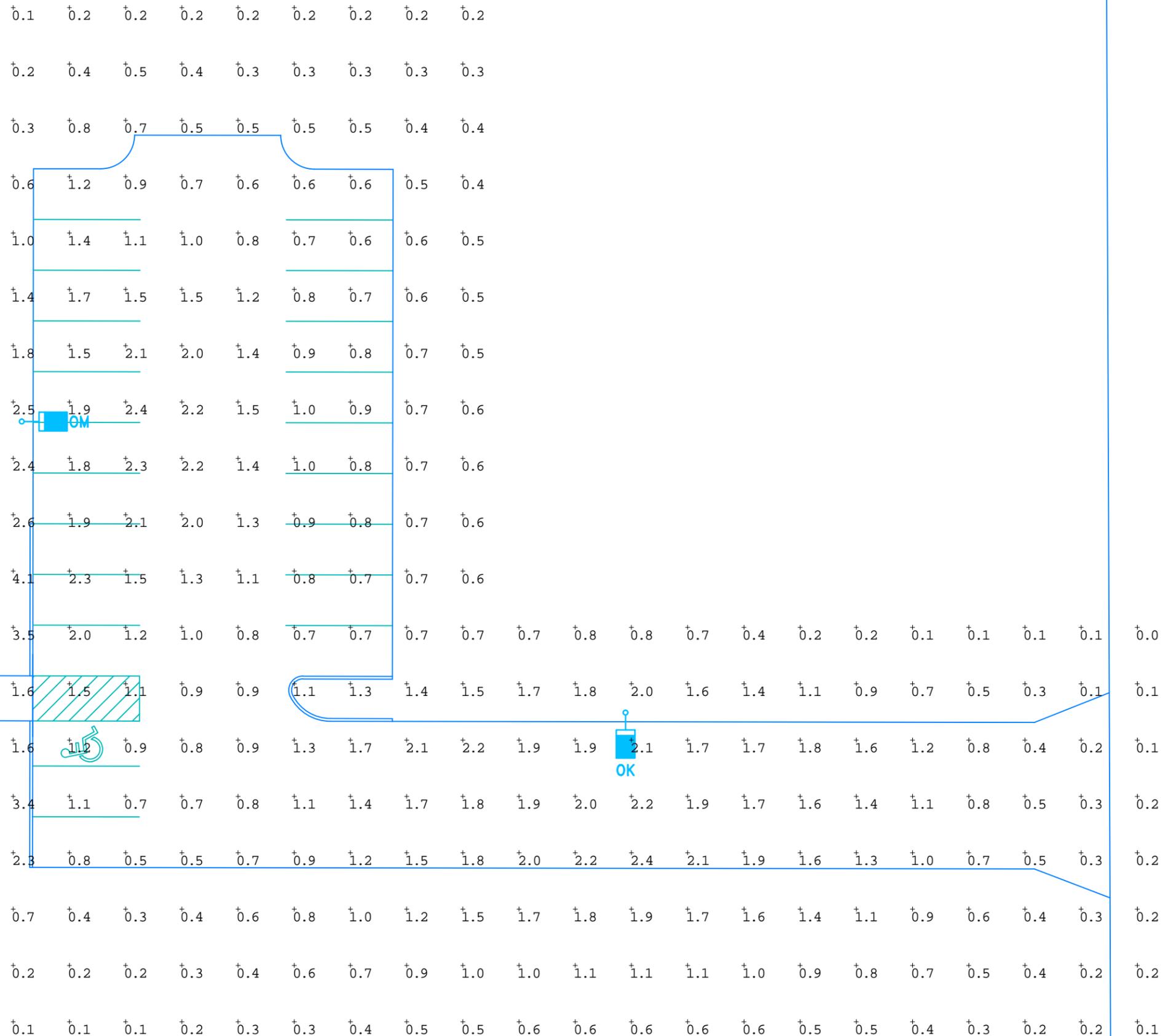
SCALE	DATE
BAR SCALE	8/7/2015
COMPUTER FILE	
1-0598-0026.dwg	
DRAWING NO.	CA01











Luminaire Schedule						
Symbol	Qty	Label	Arrangement	LLF	Description	Lum. Lumens
□	1	OK	SINGLE	0.900	GEBCN-AB-03-LED-EI-T3 on 25' SSS Pole	15669
□	1	GM	SINGLE	0.900	GEBCN-AB-03-LED-EI-T4FT on 25' SSS Pole	15760
□	2	OC	SINGLE	0.900	EW1-A027-4K-1IN mounted at 12' APG	2951



IN PARTNERSHIP WITH:

LIVING HOPE LUTHERAN  
 NEW BUILDING  
 MENASHA, WI

RECORDS INFO  
 DRAWN BY: BJB  
 DATE: 8/12/15  
 SCALE: 1" = 20'-0"  
 JOB #: 081015

SHEET DESCRIPTION  
 SITE LIGHTING  
 PHOTOMETRIC PLAN

SHEET NO.

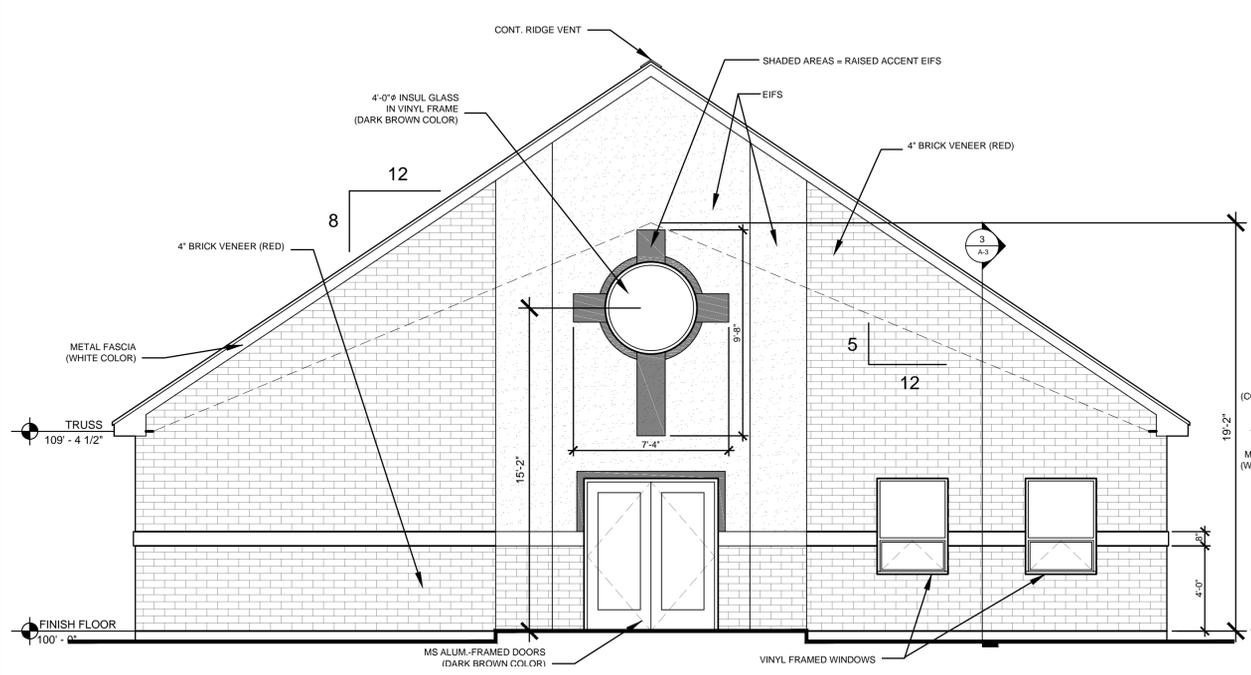
ES01



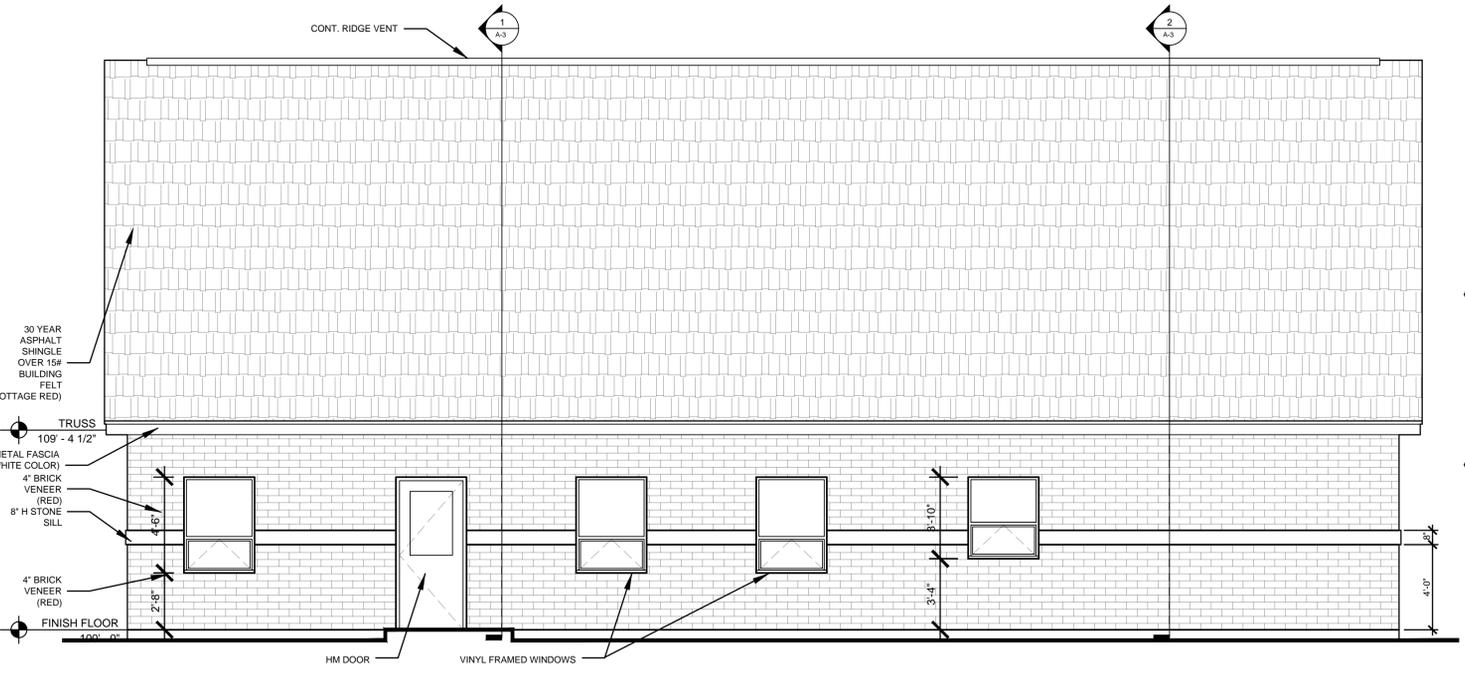
425 W. WISCONSIN AVENUE  
 APPLETON, WISCONSIN 54911  
 PH: 920.882.8700  
 FAX: 920.882.8699

www.millenniumconstructionwi.com

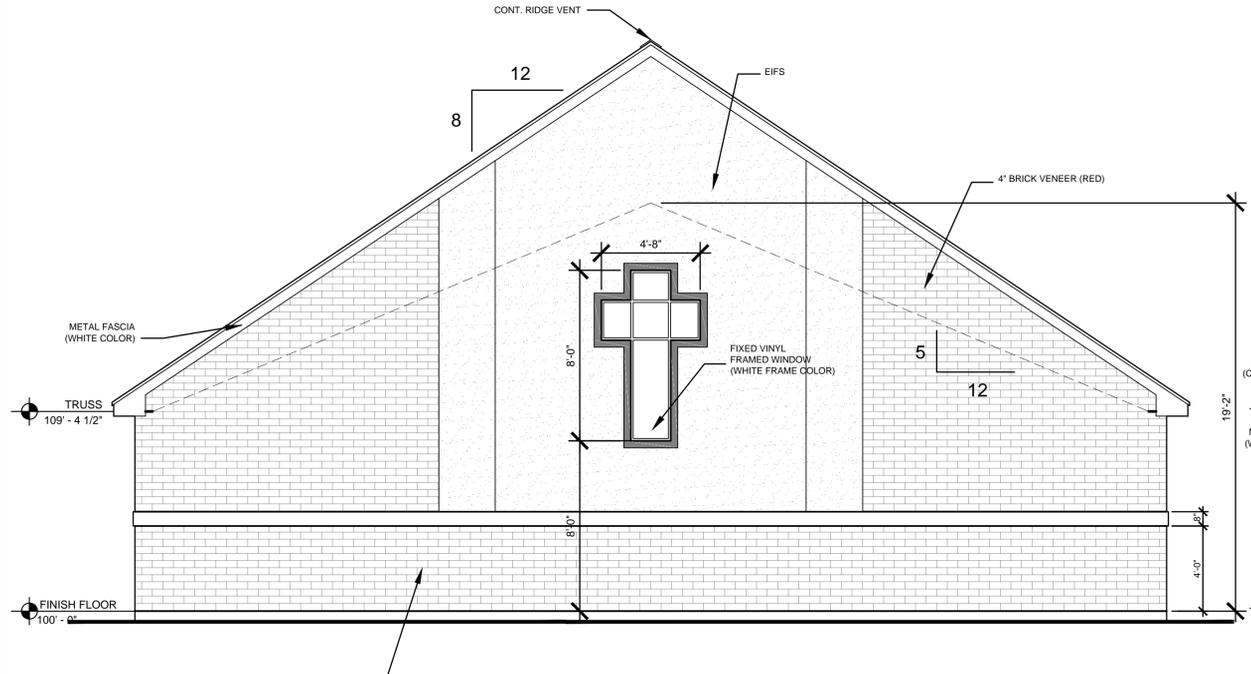
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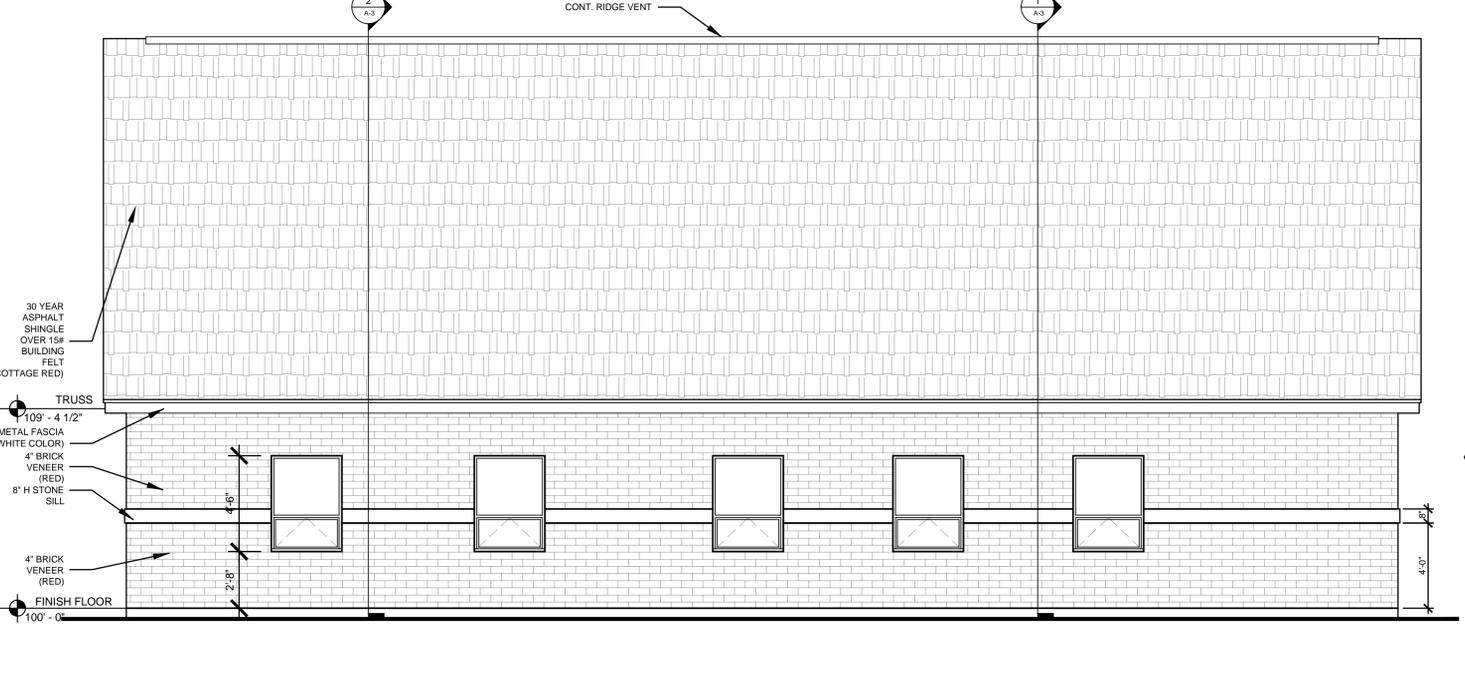
**1 EAST ELEVATION**  
 SCALE: 1/4" = 1'-0"



**3 SOUTH ELEVATION**  
 SCALE: 1/4" = 1'-0"



**2 WEST ELEVATION**  
 SCALE: 1/4" = 1'-0"



**4 NORTH ELEVATION**  
 SCALE: 1/4" = 1'-0"

PROPOSED CONSTRUCTION  
**LIVING HOPE  
 LUTHERAN**  
 1164 PROVINCE TERRACE - MENASHA, WISCONSIN

REVISIONS	
DATE	DESCRIPTION
-	-
-	-
-	-
-	-
-	-

DRAWN	CHECKED
TGC	JVB

PROJECT NO.  
 1-0538-002  
 DATE  
 13 AUG 2015  
 SHEET NO.

**A-2**

**STENA™**  
**LED SECURITY LIGHTS**



**WALL MOUNTED**  
**EW SERIES**

LED 14W, 30W, 60W AND 80W

Project: \_\_\_\_\_

Fixture Type: \_\_\_\_\_

Location: \_\_\_\_\_

Contact/Phone: \_\_\_\_\_

**PRODUCT DESCRIPTION**

EW series luminaire are an energy efficient LED security light ideal for entryways, tunnels, loading docks and other applications where a reliable light source is required. The fixture delivers uniform light and extremely long life with a fraction of the energy used with conventional light sources.

**PRODUCT SPECIFICATIONS**

**Optics** The EW series comes standard with a specular reflector shaped to provide a uniform light distribution.  
 • A clear glass lens protects the LED and reflector to keep them clean  
 • Glass lenses last longer than plastic lenses as they do not yellow when exposed to UV from sunlight allowing the EW series to operate at peak performance even after years of the original installation  
 • Full cut off, dark sky friendly.

**Construction** Die cast aluminum housing, bronze polyester powder coat finish, glass lens • Neoprene gaskets create a seal between the fixture and the wall • Stainless steel external hardware • Coated steel back plate to secure fixture to the wall • Back plate includes a bubble level to make installation easier.

**Electrical** The luminaire is equipped with one LED driver with universal 120-277V • Optional 347V input can be accommodated • Driver operating temperature range is -30°C (-22°F) through 50°C (122°F) • Total Harmonic Distortion (THD) 20% Max. Power factor > 0.90 at full load.

**LED Light Source** EW series luminaires are equipped with one or two LED arrays depending on the model number  
 • All LEDs are 4000K CCT with a minimum CRI of 70.

**Finish** Bronze polyester powder coat finish

**Mounting** Direct to wall or to recessed junction box  
 • Additional accessories available for trunion, slipfitter, and knuckle type installation as a flood light • Order mounting accessories separately.

**Certifications** Meets UL1598/CSA C22.2 250 standards  
 • Suitable for wet locations • Fixture carries a 5 year warranty when used according to manufacturer specifications  
 • EW1 models are ADA Compliant when mounted to the wall with no additional accessories • DesignLights Consortium® qualified, visit the DLC website for a full list of qualified models.

Specifications subject to change without notice

Cat. No.: \_\_\_\_\_

Accessories: \_\_\_\_\_

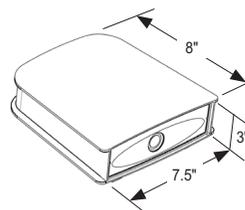


EW1

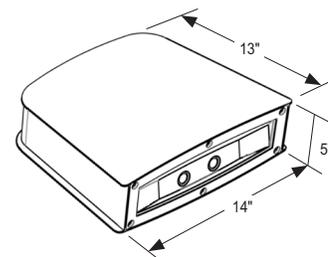


EW2

**DIMENSIONS**



EW1:  
7 1/2" W x 8" H x 3" D  
Weight: 3.5 LBS



EW2:  
14" W x 13" H x 5" D  
Weight: 11.5 LBS

**PRODUCT CODES**

Series	Light Engine Code	CCT	Voltage	Finish
EW1	A014	4K	UN	BZ
EW1	A014	14W LED	4K 4000K CCT, UN 120-277V	BZ Bronze
	A027	30W LED	70 CRI	
	A052	60W LED		
EW2	A078	80W LED		

**ACCESSORIES**

Catalog #	Description
EW1SFBZ	EW1 Slipfitter
EW1TRNBZ	EW1 Trunion
EW1KNCLBZ	EW1 Knuckle
EW2SFBZ	EW2 Slipfitter
EW2TRNBZ	EW2 Trunion
EWSFCBZBZ	EW1 & EW2 Surface mount box

## LED PERFORMANCE (4000K CCT, MIN CRI 70)

Catalog Number	Delivered Lumens	Input Volts	Input Watts	Efficacy	PF	THDI%
EW1A0144KUN	1,569	120	13	121	0.98	11
EW1A0274KUN	2,952	120	30	97	0.98	11
EW1A0524KUN	5,299	120	57	94	0.99	11
EW2A0784KUN	8,260	120	78	106	0.99	11

## PHOTOMETRY

	EW1A0144KUN Total Lumens: 1,569		EW1A0274KUN Total Lumens: 2,952		EW1A0524KUN Total Lumens: 5,299		EW2A0784KUN Total Lumens: 8,260	
Zone	Luminaire Lumens	% of Luminaire Lumens						
<b>Forward Light</b>	<b>848</b>	<b>54%</b>	<b>1,622</b>	<b>55%</b>	<b>2,831</b>	<b>53%</b>	<b>5,163</b>	<b>63%</b>
FL (0°-30°)	232	15%	438	15%	811	15%	1,295	16%
FM (30°-60°)	487	31%	925	31%	1,625	31%	2,830	34%
FH (60°-80°)	129	8%	258	9%	392	7%	1,023	12%
FVH (80°-90°)	0	0%	1	0%	3	0%	16	0%
<b>Back Light</b>	<b>721</b>	<b>46%</b>	<b>1,330</b>	<b>45%</b>	<b>2,465</b>	<b>47%</b>	<b>3,092</b>	<b>37%</b>
BL (0°-30°)	223	14%	417	14%	783	15%	1,177	14%
BM (30°-60°)	416	26%	771	26%	1,409	27%	1,736	21%
BH (60°-80°)	81	5%	141	5%	270	5%	179	2%
BVH (80°-90°)	1	0%	1	0%	3	0%	1	0%
<b>UL Light</b>	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0%</b>
UL (90°-100°)	0	0%	0	0%	0	0%	0	0%
UH (100°-180°)	0	0%	0	0%	0	0%	0	0%
<b>Trapped Light</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
BUG Rating	B1-U0-G0		B1-U0-G1		B2-U0-G1		B3-U1-G1	

## DESCRIPTION

The Galleon™ LED luminaire delivers exceptional performance in a highly scalable, low-profile design. Patented, high-efficiency AccuLED Optics™ system provides uniform and energy conscious illumination to walkways, parking lots, roadways, building areas and security lighting applications. IP66 rated.

<b>Catalog #</b>		<b>Type</b>
<b>Project</b>		
<b>Comments</b>		<b>Date</b>
<b>Prepared by</b>		

## SPECIFICATION FEATURES

### Construction

Extruded aluminum driver enclosure thermally isolated from Light Squares for optimal thermal performance. Heavy-wall, die-cast aluminum end caps enclose housing and die-cast aluminum heat sinks. A unique, patent pending interlocking housing and heat sink provides scalability with superior structural rigidity. 3G vibration tested. Optional tool-less hardware available for ease of entry into electrical chamber. Housing is IP66 rated.

### Optics

Choice of 16 patented, high-efficiency AccuLED Optics. The optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT and minimum 70 CRI. Optional 6000K CCT and 3000K CCT. For the ultimate level of spill light control, an optional house side shield accessory can be field or factory installed. The

house side shield is designed to seamlessly integrate with the SL2, SL3, SL4 or AFL optics.

### Electrical

LED drivers are mounted to removable tray assembly for ease of maintenance. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Standard with 0-10V dimming. Shipped standard with Eaton proprietary circuit module designed to withstand 10kV of transient line surge. The Galleon LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Light Squares are IP66 rated. Greater than 90% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 530mA and 700mA drive currents.

### Mounting

Extruded aluminum arm includes internal bolt guides allowing for easy positioning of fixture during

assembly. Designed for pole or wall mounting. When mounting two or more luminaires at 90° or 120° apart, the EA extended arm may be required. Refer to the arm mounting requirement table on page 3. Round pole top adapter included. For wall mounting, specify wall mount bracket option. 3G vibration rated.

### Finish

Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Heat sink is powder coated black. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult the McGraw-Edison Architectural Colors brochure for the complete selection.

### Warranty

Five-year warranty.



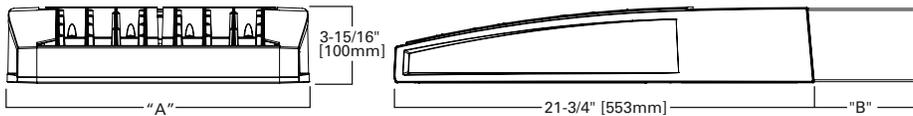
## GLEON GALLEON LED

1-10 Light Squares  
Solid State LED

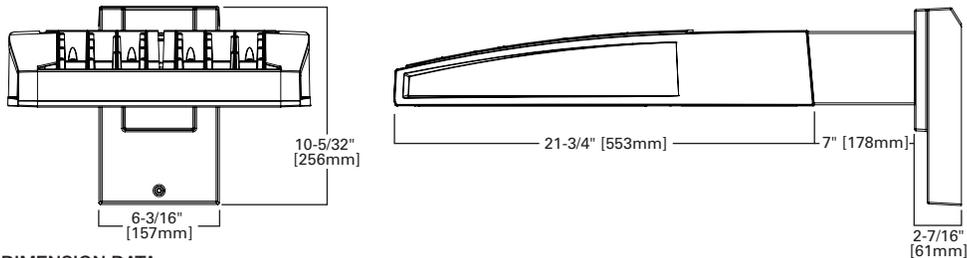
AREA/SITE LUMINAIRE

## DIMENSIONS

### POLE MOUNT



### WALL MOUNT



### DIMENSION DATA

Number of Light Squares	"A" Width	"B" Standard Arm Length	"B" Optional Arm Length <sup>1</sup>	Weight with Arm (lbs.)	EPA with Arm <sup>2</sup> (Sq. Ft.)
1-4	15-1/2" (394mm)	7" (178mm)	10" (254mm)	33 (15.0 kgs.)	0.96
5-6	21-5/8" (549mm)	7" (178mm)	10" (254mm)	44 (20.0 kgs.)	1.00
7-8	27-5/8" (702mm)	7" (178mm)	13" (330mm)	54 (24.5 kgs.)	1.07
9-10	33-3/4" (857mm)	7" (178mm)	16" (406mm)	63 (28.6 kgs.)	1.12

NOTES: 1 Extended arm option may be required when mounting two or more fixtures per pole at 90° or 120°. Refer to arm mounting requirement table. 2 EPA calculated with optional arm length.



### CERTIFICATION DATA

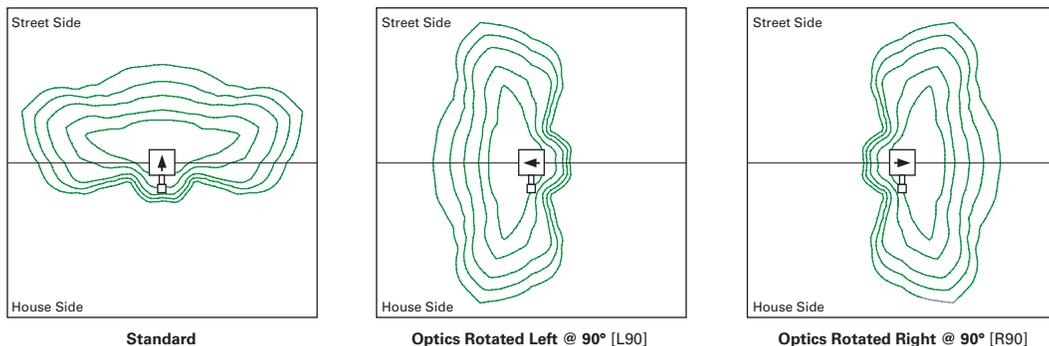
UL/cUL Wet Location Listed  
ISO 9001  
LM79 / LM80 Compliant  
3G Vibration Rated  
IP66 Rated  
DesignLights Consortium® Qualified\*

### ENERGY DATA

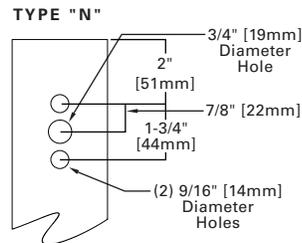
Electronic LED Driver  
>0.9 Power Factor  
<20% Total Harmonic Distortion  
120V-277V 50/60Hz  
347V & 480V 60Hz  
-40°C Min. Temperature  
40°C Max. Temperature  
50°C Max. Temperature (HA Option)



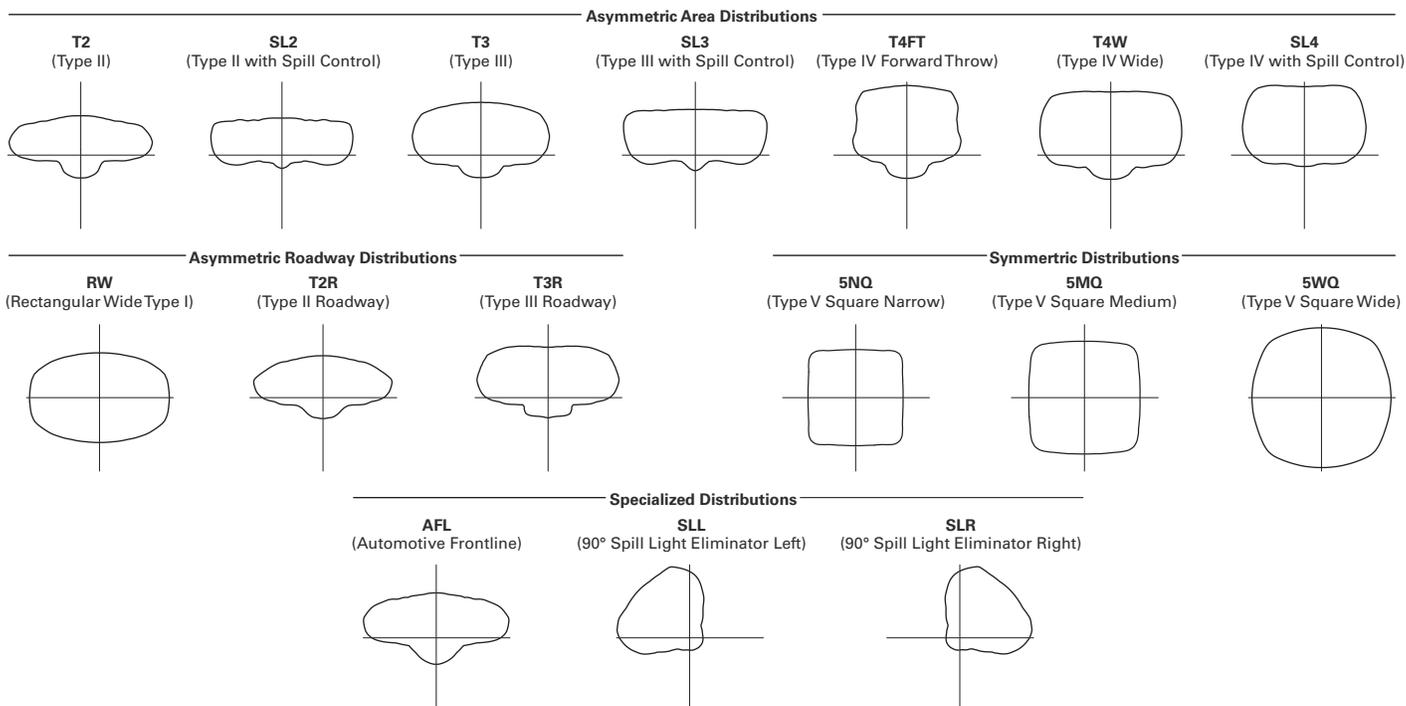
**OPTIC ORIENTATION**



**DRILLING PATTERN**

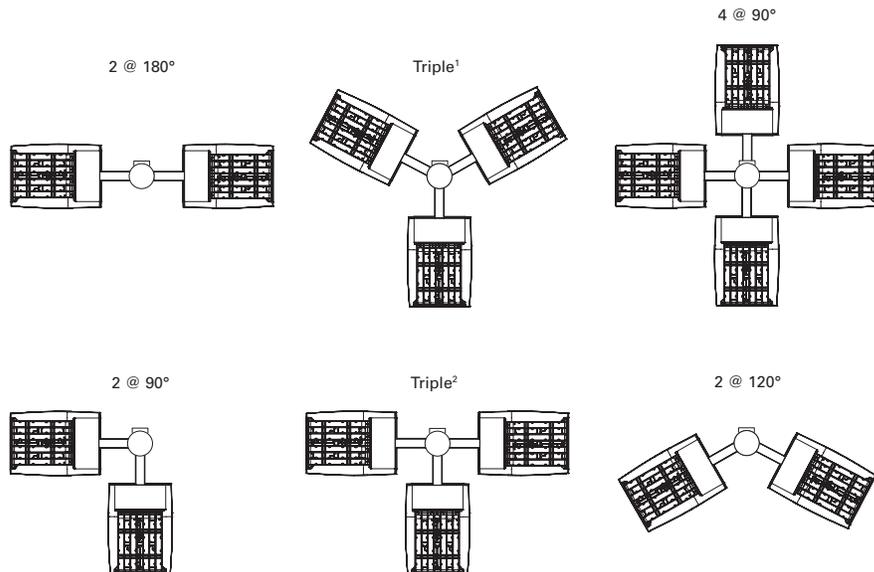


**OPTICAL DISTRIBUTIONS**



**ARM MOUNTING REQUIREMENTS**

Configuration	90° Apart	120° Apart
GLEON-AE-01	7" Arm (Standard)	7" Arm (Standard)
GLEON-AE-02	7" Arm (Standard)	7" Arm (Standard)
GLEON-AE-03	7" Arm (Standard)	7" Arm (Standard)
GLEON-AE-04	7" Arm (Standard)	7" Arm (Standard)
GLEON-AE-05	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AE-06	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AE-07	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AE-08	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AE-09	16" Extended Arm (Required)	16" Extended Arm (Required)
GLEON-AE-10	16" Extended Arm (Required)	16" Extended Arm (Required)



NOTES: 1 Round poles are 3 @ 120°. Square poles are 3 @ 90°. 2 Round poles are 3 @ 90°.

## NOMINAL POWER AND LUMENS (1A)

Number of Light Squares	1	2	3	4	5	6	7	8	9	10	
Drive Current	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	
Nominal Power (Watts)	56	107	157	213	264	315	370	421	475	528	
Input Current @ 120V (A)	0.47	0.90	1.31	1.79	2.21	2.64	3.09	3.51	3.96	4.41	
Input Current @ 208V (A)	0.28	0.51	0.74	1.02	1.25	1.48	1.76	1.99	2.22	2.50	
Input Current @ 240V (A)	0.25	0.45	0.65	0.90	1.10	1.30	1.55	1.75	1.95	2.20	
Input Current @ 277V (A)	0.23	0.41	0.59	0.82	1.00	1.18	1.41	1.59	1.77	2.00	
Optics											
T2	Lumens	5,272	10,303	15,373	20,313	25,168	30,118	35,618	40,357	45,018	49,842
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
T2R	Lumens	5,597	10,938	16,321	21,565	26,719	31,974	37,813	42,844	47,792	52,914
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G4	B4-U0-G5
T3	Lumens	5,374	10,501	15,669	20,704	25,652	30,697	36,303	41,134	45,884	50,802
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
T3R	Lumens	5,493	10,735	16,017	21,164	26,222	31,379	37,110	42,048	46,904	51,930
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
T4FT	Lumens	5,405	10,562	15,760	20,824	25,801	30,875	36,514	41,372	46,150	51,096
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
T4W	Lumens	5,335	10,426	15,556	20,555	25,468	30,476	36,042	40,838	45,554	50,436
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL2	Lumens	5,263	10,285	15,347	20,278	25,124	30,066	35,556	40,288	44,940	49,756
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
SL3	Lumens	5,373	10,500	15,667	20,701	25,649	30,693	36,298	41,128	45,878	50,794
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
SL4	Lumens	5,105	9,976	14,886	19,669	24,370	29,163	34,488	39,078	43,591	48,262
	BUG Rating	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
5NQ	Lumens	5,542	10,830	16,160	21,352	26,455	31,658	37,439	42,421	47,320	52,392
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4
5MQ	Lumens	5,644	11,029	16,457	21,745	26,942	32,241	38,128	43,202	48,191	53,356
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
5WQ	Lumens	5,659	11,059	16,501	21,803	27,014	32,327	38,230	43,317	48,320	53,498
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
SLL/SLR	Lumens	4,722	9,227	13,767	18,191	22,539	26,971	31,897	36,141	40,315	44,635
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
RW	Lumens	5,492	10,732	16,014	21,159	26,216	31,372	37,101	42,038	46,893	51,918
	BUG Rating	B2-U0-G1	B3-U0-G1	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
AFL	Lumens	5,512	10,771	16,072	21,236	26,311	31,486	37,236	42,191	47,063	52,107
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4

\* Nominal data for 4000K CCT.

## LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

## LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Theoretical L70 (Hours)
25°C	> 94%	> 350,000
40°C	> 93%	> 250,000
50°C*	> 90%	> 170,000

\* 50°C lumen maintenance data applies to 530mA and 700mA drive currents.

## NOMINAL POWER AND LUMENS (700MA)

Number of Light Squares	1	2	3	4	5	6	7	8	9	10	
Drive Current	700mA	700mA	700mA	700mA	700mA	700mA	700mA	700mA	700mA	700mA	
Nominal Power (Watts)	38	72	105	138	176	210	243	276	314	348	
Input Current @ 120V (A)	0.32	0.59	0.86	1.14	1.45	1.72	2	2.28	2.58	2.86	
Input Current @ 208V (A)	0.21	0.36	0.51	0.67	0.87	1.02	1.18	1.34	1.53	1.69	
Input Current @ 240V (A)	0.19	0.32	0.45	0.59	0.77	0.90	1.04	1.18	1.35	1.49	
Input Current @ 277V (A)	0.20	0.29	0.40	0.51	0.69	0.80	0.91	1.02	1.20	1.31	
Optics											
T2	Lumens	3,854	7,531	11,237	14,847	18,395	22,013	26,033	29,497	32,904	36,430
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4
T2R	Lumens	4,091	7,995	11,929	15,762	19,529	23,370	27,638	31,316	34,932	38,676
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
T3	Lumens	3,928	7,676	11,453	15,133	18,750	22,437	26,534	30,065	33,537	37,132
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
T3R	Lumens	4,015	7,846	11,707	15,469	19,166	22,936	27,124	30,733	34,283	37,957
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
T4FT	Lumens	3,951	7,720	11,519	15,221	18,858	22,567	26,688	30,240	33,732	37,347
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
T4W	Lumens	3,900	7,620	11,370	15,024	18,615	22,276	26,343	29,849	33,296	36,864
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
SL2	Lumens	3,847	7,518	11,217	14,821	18,364	21,975	25,988	29,447	32,847	36,368
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
SL3	Lumens	3,927	7,675	11,451	15,131	18,747	22,434	26,531	30,061	33,533	37,126
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
SL4	Lumens	3,731	7,292	10,880	14,376	17,812	21,315	25,208	28,562	31,861	35,275
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5	B3-U0-G5
5NQ	Lumens	4,051	7,916	11,811	15,606	19,336	23,139	27,365	31,006	34,587	38,294
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3
5MQ	Lumens	4,125	8,062	12,029	15,894	19,692	23,565	27,869	31,577	35,224	38,999
	BUG Rating	B2-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
5WQ	Lumens	4,136	8,083	12,061	15,936	19,745	23,628	27,943	31,661	35,318	39,103
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
SLL/SLR	Lumens	3,451	6,744	10,063	13,296	16,474	19,714	23,314	26,416	29,467	32,625
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
RW	Lumens	4,014	7,844	11,704	15,465	19,162	22,930	27,118	30,726	34,274	37,948
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
AFL	Lumens	4,029	7,873	11,747	15,522	19,231	23,014	27,216	30,838	34,399	38,086
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3

\* Nominal data for 4000K CCT.

## LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

## LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Theoretical L70 (Hours)
25°C	> 94%	> 350,000
40°C	> 93%	> 250,000
50°C*	> 90%	> 170,000

\* 50°C lumen maintenance data applies to 530mA and 700mA drive currents.

## NOMINAL POWER AND LUMENS (530MA)

Number of Light Squares	1	2	3	4	5	6	7	8	9	10	
Drive Current	530mA	530mA	530mA	530mA	530mA	530mA	530mA	530mA	530mA	530mA	
Nominal Power (Watts)	30	54	80	105	130	159	184	209	234	259	
Input Current @ 120V (A)	0.25	0.45	0.66	0.86	1.07	1.32	1.52	1.72	1.93	2.14	
Input Current @ 208V (A)	0.17	0.28	0.39	0.51	0.63	0.78	0.9	1.02	1.14	1.26	
Input Current @ 240V (A)	0.17	0.25	0.35	0.45	0.55	0.70	0.80	0.90	1.00	1.10	
Input Current @ 277V (A)	0.19	0.24	0.32	0.40	0.49	0.64	0.72	0.80	0.89	0.98	
Optics											
T2	Lumens	3,079	6,017	8,978	11,862	14,697	17,588	20,800	23,567	26,289	29,106
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4
T2R	Lumens	3,269	6,388	9,531	12,593	15,603	18,672	22,082	25,020	27,909	30,900
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4
T3	Lumens	3,138	6,133	9,150	12,091	14,980	17,926	21,200	24,021	26,795	29,667
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
T3R	Lumens	3,208	6,269	9,354	12,359	15,313	18,325	21,671	24,555	27,390	30,326
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4
T4FT	Lumens	3,156	6,168	9,203	12,161	15,067	18,030	21,323	24,160	26,950	29,839
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
T4W	Lumens	3,116	6,088	9,084	12,004	14,872	17,797	21,047	23,848	26,602	29,453
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
SL2	Lumens	3,074	6,006	8,962	11,842	14,672	17,558	20,764	23,527	26,244	29,056
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
SL3	Lumens	3,138	6,132	9,149	12,089	14,978	17,924	21,197	24,018	26,791	29,662
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4
SL4	Lumens	2,981	5,826	8,693	11,486	14,231	17,030	20,140	22,820	25,456	28,184
	BUG Rating	B0-U0-G1	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G3	B2-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5
5NQ	Lumens	3,236	6,324	9,437	12,469	15,449	18,487	21,863	24,773	27,634	30,595
	BUG Rating	B1-U0-G0	B2-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2
5MQ	Lumens	3,296	6,441	9,610	12,698	15,733	18,828	22,266	25,229	28,142	31,158
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G3
5WQ	Lumens	3,305	6,458	9,636	12,732	15,775	18,878	22,325	25,296	28,217	31,241
	BUG Rating	B2-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
SLL/SLR	Lumens	2,757	5,388	8,040	10,623	13,162	15,751	18,627	21,105	23,543	26,066
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4
RW	Lumens	3,207	6,267	9,351	12,356	15,309	18,320	21,666	24,549	27,384	30,319
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3
AFL	Lumens	3,219	6,290	9,385	12,401	15,365	18,387	21,745	24,638	27,484	30,429
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3

\* Nominal data for 4000K CCT.

## LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

## LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Theoretical L70 (Hours)
25°C	> 94%	> 350,000
40°C	> 93%	> 250,000
50°C*	> 90%	> 170,000

\* 50°C lumen maintenance data applies to 530mA and 700mA drive currents.

## ORDERING INFORMATION

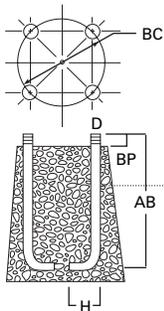
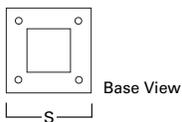
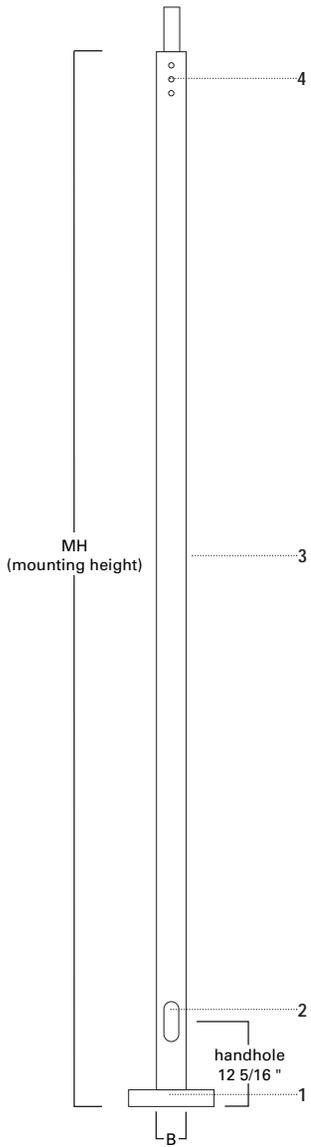
Sample Number: GLEON-AE-04-LED-E1-T3-GM-700

Product Family <sup>1</sup>	Light Engine	Number of Light Squares <sup>2</sup>	Lamp Type	Voltage	Distribution	Color	Mounting
GLEON=Galleon	AE=1A Drive Current	01=1 02=2 03=3 04=4 05=5 06=6 07=7 08=8 09=9 10=10	LED=Solid State Light Emitting Diodes	E1=120-277V 347=347V <sup>3</sup> 480=480V <sup>3,4</sup>	T2=Type II T2R=Type II Roadway T3=Type III T3R=Type III Roadway T4FT=Type IV Forward Throw T4W=Type IV Wide 5N0=Type V Narrow 5M0=Type V Square Medium 5W0=Type V Square Wide SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control SLL=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right RW=Rectangular Wide Type I AFL=Automotive Frontline	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White	[Blank]=Arm for Round or Square Pole EA=Extended Arm <sup>5</sup> MA=Mast Arm Adapter <sup>6</sup> WM=Wall Mount
<b>Options</b> (Add as Suffix)					<b>Accessories</b> (Order Separately)		
2L=Two Circuits <sup>7,8</sup> 7030=70 CRI 3000K <sup>9</sup> 8030=80 CRI 3000K <sup>10</sup> 7050=70 CRI 5000K <sup>10</sup> 7060=70 CRI 6000K <sup>9</sup> 530=Drive Current Factory Set to 530mA <sup>11</sup> 700=Drive Current Factory Set to 700mA <sup>11</sup> F=Single Fuse (120, 277 or 347V. Must Specify Voltage) FF=Double Fuse (208, 240 or 480V. Must Specify Voltage) P=Button Type Photocontrol (120, 208, 240 or 277V) PER7=NEMA 7-PIN Twistlock Photocontrol Receptacle R=NEMA Twistlock Photocontrol Receptacle HA=50°C High Ambient <sup>8,12</sup> MS/DIM-L08=Motion Sensor for Dimming Operation, Maximum 8' Mounting Height <sup>13,14,15,16,17</sup> MS/DIM-L20=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height <sup>13,14,15,16,17</sup> MS/DIM-L40=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height <sup>13,14,15,16,19</sup> MS/DIM-L40W=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height (Wide Range) <sup>13,14,15,16,20</sup> MS/X-L08=Bi-Level Motion Sensor, Maximum 8' Mounting Height <sup>13,14,15,16,17,21</sup> MS/X-L20=Bi-Level Motion Sensor, 9' - 20' Mounting Height <sup>13,14,15,16,18,21</sup> MS/X-L40=Bi-Level Motion Sensor, 21' - 40' Mounting Height <sup>13,14,15,16,19,21</sup> MS/X-L40W=Bi-Level Motion Sensor, 21' - 40' Mounting Height (Wide Range) <sup>13,14,15,16,20,21</sup> MS-L08=Motion Sensor for ON/OFF Operation, Maximum 8' Mounting Height <sup>13,14,15,16,17</sup> MS-L20=Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height <sup>13,14,15,16,18</sup> MS-L40=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height <sup>13,14,15,16,19</sup> MS-L40W=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height (Wide Range) <sup>13,14,15,16,20</sup> DIMRF-LW=LumaWatt Wireless Sensor, Wide Lens for 8' - 16' Mounting Height <sup>22</sup> DIMRF-LN=LumaWatt Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height <sup>22</sup> L90=Optics Rotated 90° Left R90=Optics Rotated 90° Right MT=Factory Installed Mesh Top TH=Tool-less Door Hardware LCF=Light Square Trim Plate Painted to Match Housing <sup>23</sup> HSS=Factory Installed House Side Shield <sup>24</sup> CE=CE Marking <sup>25</sup>					OA/RA1016=NEMA Photocontrol Multi-Tap - 105-285V OA/RA1027=NEMA Photocontrol - 480V OA/RA1201=NEMA Photocontrol - 347V OA/RA1013=Photocontrol Shorting Cap OA/RA1014=120V Photocontrol MA1252=10kV Surge Module Replacement MA1036-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon MA1037-XX=2 @ 180° Tenon Adapter for 2-3/8" O.D. Tenon MA1197-XX=3 @ 120° Tenon Adapter for 2-3/8" O.D. Tenon MA1188-XX=4 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1189-XX=2 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1190-XX=3 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1191-XX=2 @ 120° Tenon Adapter for 2-3/8" O.D. Tenon MA1038-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon MA1039-XX=2 @ 180° Tenon Adapter for 3-1/2" O.D. Tenon MA1192-XX=3 @ 120° Tenon Adapter for 3-1/2" O.D. Tenon MA1193-XX=4 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon MA1194-XX=2 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon MA1195-XX=3 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon FSIR-100=Wireless Configuration Tool for Occupancy Sensor <sup>26</sup> GLEON-MT1=Field Installed Mesh Top for 1-4 Light Squares GLEON-MT2=Field Installed Mesh Top for 5-6 Light Squares GLEON-MT3=Field Installed Mesh Top for 7-8 Light Squares GLEON-MT4=Field Installed Mesh Top for 9-10 Light Squares LS/HSS=Field Installed House Side Shield <sup>24,27</sup>		

- NOTES:**
- DesignLights Consortium® Qualified. Refer to [www.designlights.org](http://www.designlights.org) Qualified Products List under Family Models for details.
  - Standard 4000K CCT and minimum 70 CRI.
  - Requires the use of a step down transformer when combined with MS/DIM, MS/X or DIMRF.
  - Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).
  - May be required when two or more luminaires are oriented on a 90° or 120° drilling pattern. Refer to arm mounting requirement table.
  - Factory installed.
  - 2L is not available with MS, MS/X or MS/DIM at 347V or 480V. 2L in AE-02 through AE-04 requires a larger housing, normally used for AE-05 or AE-06. Extended arm option may be required when mounting two or more fixtures per pole at 90° or 120°. Refer to arm mounting requirement table.
  - Not available with LumaWatt wireless sensors.
  - Extended lead times apply. Use dedicated IES files for 3000K and 6000K when performing layouts. These files are published on the Galleon luminaire product page on the website.
  - Extended lead times apply. For 8030, factor 7030 IES files x .92 (8% lumen loss). For 7050, use 7060 IES files.
  - 1 Amp standard. Use dedicated IES files for 530mA and 700mA when performing layouts. These files are published on the Galleon luminaire product page on the website.
  - 50°C lumen maintenance data applies to 530mA and 700mA drive currents.
  - Consult factory for more information.
  - Utilizes internal step down transformer when 347V or 480V is selected.
  - The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information.
  - Not available with HA option.
  - Approximately 22' detection diameter at 8' mounting height.
  - Approximately 40' detection diameter at 20' mounting height.
  - Approximately 60' detection diameter at 40' mounting height.
  - Approximately 100' detection diameter at 40' mounting height.
  - Replace X with number of Light Squares operating in low output mode.
  - LumaWatt wireless sensors are factory installed only requiring network components RF-EM-1, RF-GW-1 and RF-ROUT-1 in appropriate quantities. See [www.eaton.com/lighting](http://www.eaton.com/lighting) for LumaWatt application information.
  - Not available with house side shield (HSS).
  - Only for use with SL2, SL3, SL4 and AFL distributions. The Light Square trim plate is painted black when the HSS option is selected.
  - CE is not available with the DIMRF, MS, MS/X, MS/DIM, F, FF, P, R or PER7 options.
  - This tool enables adjustment of parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information.
  - One required for each Light Square.

# SSS SQUARE STRAIGHT STEEL

10'—39' MOUNTING HEIGHT



## SPECIFICATION FEATURES

- 1 ··· ASTM Grade steel base plate with ASTM A366 base cover.
- 2 ··· Hand hole assembly 3" x 5" on 5" and 6" pole; and 2" x 4" on 4" pole.
- 3 ··· ASTM A500 grade "B" steel shaft. Shot blasted and painted with polyester powder coat.
- 4 ··· Drilled or Tenon (specify).
- 5 ··· Anchor bolt per ASTM A576 with (2) nuts, (2) flat washer, and (1) lock washer. Nuts, washers and threaded portion of bolt are hot dip galvanized. 3" hook for 3/4" bolt. 4" hook for 1" bolt.

## FOUR BOLT ANCHORAGE [See ordering information]

- BC=Bolt Circle
- BP=Bolt Projection
- AB=Bolt Dimensions
- D=Bolt Diameter
- H=Bolt Dimensions

## FINISH COLORS [See ordering information]

- F=Dark Bronze
- G=Galvanized
- V=Grey
- W=White
- Y=Black

**WARNING:** THE USE OF UNAUTHORIZED ACCESSORIES SUCH AS BANNERS, SIGNS OR PENNANTS FOR WHICH THE POLE WAS NOT DESIGNED FOR VOIDS THE COOPER LIGHTING WARRANTY AND MAY RESULT IN POLE FAILURE CAUSING SERIOUS INJURY OR PROPERTY DAMAGE. COOPER LIGHTING'S POLE WARRANTY IS ALSO VOIDED IF LUMINAIRE IS NOT INSTALLED AT TIME OF POLE INSTALLATION.

ORDERING INFORMATION

SAMPLE NUMBER: SSS5A20SFM1XG

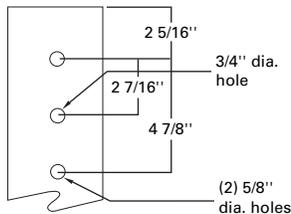
Square	Straight	Steel	Shaft <sup>3</sup> Size	Wall Thickness	Mounting Height (ft.)	Base Type	Finish	Fixture Mounting & Type	No. & Location of Arms	Arm Lengths	Accessories (Ground Lug)
S	S	S	5	A	20	S	F	M	1	X	G

Mtg. Height	Catalog <sup>1,2</sup> Number	Wall Thickness	Base Square (In.)	Bolt Circle Dia. (In.)	Bolt Proj. (In.)	Shaft Size (In.)	Anchor Bolt Dia. & Length (In.)	Net. Wt. (Lbs.)	EPA (Sq. Ft.) <sup>4</sup> At Pole Top			EPA (Sq. Ft.) <sup>4</sup> 2' Above Pole Top			Load—Include Bracket (Lbs.)		Max. Fixture Lug
									70	80	90	100	70	80	90	100	
10	SSS4A10SF	.120	10 1/2	11.0	4 1/2	4	3/4 x 25 x 3	96	39.8	29.9	23.2	18.4	33.0	24.8	19.3	15.3	150
15	SSS4A15SF	.120	10 1/2	11.0	4 1/2	4	3/4 x 25 x 3	133	19.6	14.4	10.8	8.2	17.2	12.7	9.5	7.3	150
20	SSS4A20SF	.120	10 1/2	11.0	4 1/2	4	3/4 x 25 x 3	152	12.9	9.1	6.5	4.6	11.7	8.2	5.9	4.2	200
25	SSS4A25SF	.120	10 1/2	11.0	4 1/2	4	3/4 x 25 x 3	208	8.7	5.6	3.6	2.1	8.0	5.2	3.3	2.0	200
20	SSS5A20SF	.120	10 1/2	11.0	4 1/2	5	3/4 x 25 x 3	202	21.9	15.7	11.6	8.5	19.9	14.3	10.5	7.7	200
25	SSS5A25SF	.120	10 1/2	11.0	4 1/2	5	3/4 x 25 x 3	248	15.5	10.5	7.2	4.8	14.3	9.8	6.6	4.4	200
30	SSS5A30SF	.120	10 1/2	11.0	4 1/2	5	3/4 x 25 x 3	293	8.2	4.6	2.1	--	7.7	4.3	2.0	--	300
35	SSS5M35SF	.188	10 1/2	11.0	4 1/2	5	3/4 x 25 x 3	480	11.8	7.1	3.8	1.5	11.1	6.6	3.6	1.4	300
25	SSS6A25SF	.120	12 1/2	12.5	5	6	1 x 36 x 4	295	24.1	16.8	12.0	8.5	22.2	15.6	11.1	7.8	200
30	SSS6A30SF	.120	12 1/2	12.5	5	6	1 x 36 x 4	347	14.0	8.7	5.0	2.5	13.1	8.2	4.7	2.3	300
30	SSS6M30SF	.188	12 1/2	12.5	5	6	1 x 36 x 4	505	26.4	18.1	12.5	8.4	24.7	16.9	11.6	7.9	300
35	SSS6M35SF	.188	12 1/2	12.5	5	6	1 x 36 x 4	584	19.7	12.7	7.9	4.4	18.6	12.0	7.5	4.2	300
35	SSS6X35SF	.250	12 1/2	12.5	5	6	1 x 36 x 4	696	28.9	19.7	13.4	8.9	8.7	18.6	12.7	8.4	300
39	SSS6M39SF	.188	12 1/2	12.5	5	6	1 x 36 x 4	647	15.4	9.1	4.8	1.8	14.6	8.7	4.6	1.7	300
39	SSS6X39SF	.250	12 1/2	12.5	5	6	1 x 36 x 4	822	23.5	15.4	9.8	5.7	22.4	14.6	9.3	5.4	300

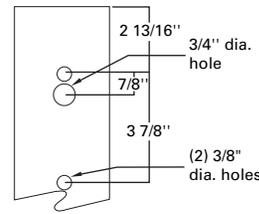
NOTES: 1 Catalog number includes pole with anchor bolts with double nuts (BEFORE INSTALLING ANCHOR BOLTS MAKE SURE PROPER ANCHOR BOLT TEMPLATE IS OBTAINED FROM COOPER LIGHTING).  
 2 Tenon size or machining for rectangular arms must be specified. Hand hole is located 180° from single arm.  
 3 Shaft size, base plate, anchor bolts and projections may vary slightly—all dimensions nominal.  
 4 EPA's based on shaft properties with wind normal to flat. EPA's calculated using base wind velocity as indicated plus 30% gust factor.

DRILLING PATTERN

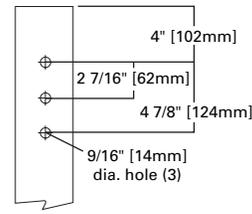
Type "M" [RCL, Landau, Galleria and Vision]



Type "E" [Concourse III]



Type "Z" [Credenza and Cirrus]



MACHINING FOR RECTANGULAR ARMS [Add as suffix]

Designation Letter & Number	Designation Letter & Number	Designation Letter & Number	Quantity & Location
M1	E1	Z1	Single
M2	E2	Z2	2 @ 180°
M3	E3	Z3	3 @ 120°
M4	E4	Z4	4 @ 90°
M5	E5	Z5	2 @ 90°
M6	E6	Z6	3 @ 90°
M7	E7	Z7	2 @ 120°

NOTES: Refer to Fixture Drilling Options on page 160.

MOUNTING OPTIONS [Add as suffix]

Fixed Tenon	Designation Number	O.D. (In.)	Length (In.)
	1	2 3/8	3 1/2
	2	2 3/8	4
	3	3 1/2	5
	9	3	4

ACCESSORIES

- A=1/2" tapped hub<sup>1</sup>
- B=3/4" tapped hub<sup>1</sup>
- C=Convenience outlet<sup>2</sup>
- G=Grounding lug (max. wire #8 AWG)
- H=Additional hand hole and cover—  
12" below pole top—90° from hand hole.

NOTES: 1 Location is 3' above base—90° from hand hole.  
 2 Outlet is located 4' above base and on same side of pole as hand hole, unless specified otherwise. Receptacle not included, provision only.

NOTE: Specifications and dimensions subject to change without notice.

BRICK

Belcrest 560

Belcrest 700

Belcrest 730

Belcrest 760

Berwick Blend

Berwick Red Range

Bismarck Blend

Buckingham Clear

Buckingham Full Range

Burgundy Blend

Canyon Full Range Smooth

Canyon Full Range Velour

Canyon Smooth

Canyon Velour

Casino Blend

Century Reds

Cherry Bark

Cherry Velour

Claret Full Range Smooth

Claret Full Range Velour

Claret Smooth

Claret Velour

Colony Blend

Colony Red Range

Commodore Full Range Smooth

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Commodore Smooth

Commodore Velour

Garden Blend

Heritage Blend

Homestead Blend

Indian Full Range

Indian Red Clear

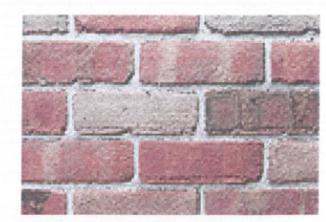
Kingsport

London Blend

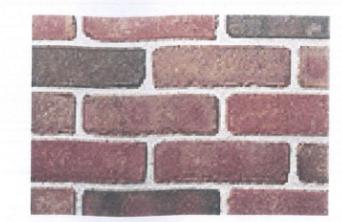
Mohawk Blend

No 9 Blend

No 9 Red Range



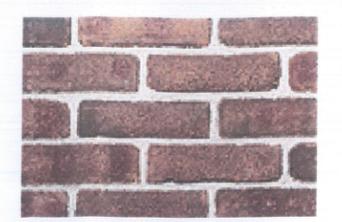
Belcrest 550



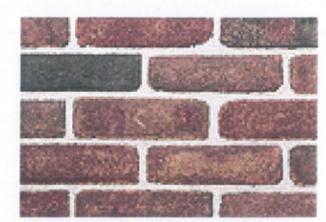
Belcrest 560



Belcrest 700



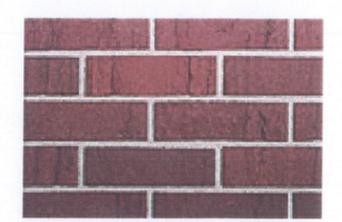
Belcrest 730



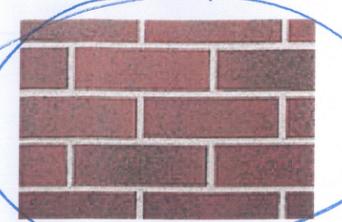
Belcrest 760



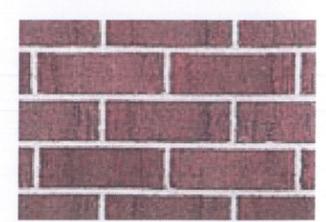
Berwick Blend



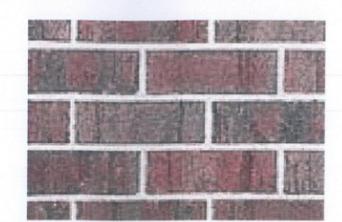
Berwick Red Range



Bismarck Blend



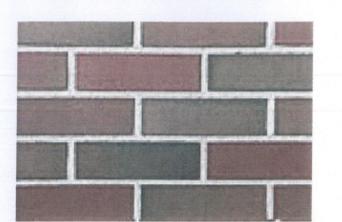
Buckingham Clear



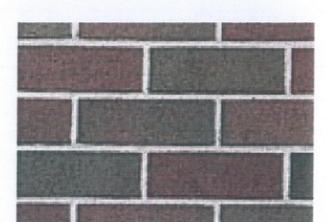
Buckingham Full Range



Burgundy Blend



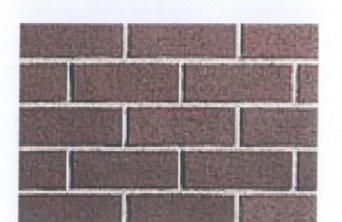
Canyon Full Range Smooth



Canyon Full Range Velour



Canyon Smooth



Canyon Velour



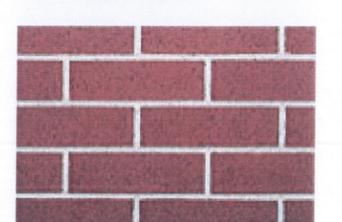
Casino Blend



Century Reds



Cherry Bark



Cherry Velour



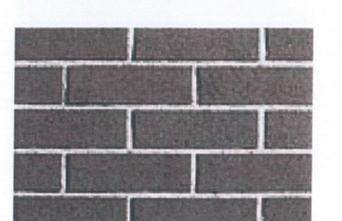
Claret Full Range Smooth



Claret Full Range Velour



Claret Smooth



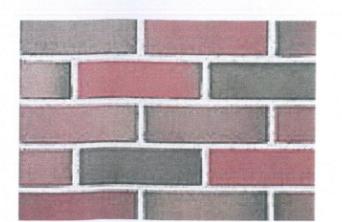
Claret Velour



Colony Blend



Colony Red Range



Commodore Full Range Smooth



Commodore Full Range Velour



Commodore Smooth



**Before Making A Final Color Selection**  
Please note that the on-screen colors may not precisely match actual colors due to variance in monitor calibrations. It is the intent and purpose of this web-based color chart to provide a basic representation of Dryvit Systems finish colors and is offered as a sales aid only to select a range of colors for final selection.

**This web-based color chart shall not be used for final color selection as color differences may occur from one computer to another.**

Actual color selection should be made from 8" x 10" samples of each finish type, texture and color to be used on the project. Samples shall be prepared using the same tools and techniques proposed for the actual installation by the applicator/contractor.

- [View Colors](#)
- [A World Of Design Possibilities](#)

**Colors To Match Your Imagination**

### Color At Your Fingertips Color Chart (DS503)

All colors shown below use the surface texture Sandblast

[Click on image below to view a larger image](#)

<a href="#">102 Brite White</a>	<a href="#">310 China White</a>	<a href="#">456 Oyster Shell</a>	<a href="#">311B Creamy Pink</a>
<a href="#">103 Natural White</a>	<a href="#">442 Cotton</a>	<a href="#">522 Lite Gray</a>	<a href="#">463A Steph's Mood</a>
<a href="#">104 Dover Sky</a>	<a href="#">107 Sunset Yellow</a>	<a href="#">386A Pure Cream</a>	<a href="#">396 Alabaster</a>
<a href="#">131 Gull Gray</a>	<a href="#">109A Eggshell Cream</a>	<a href="#">115 Beach</a>	<a href="#">368B Parchment</a>
<a href="#">111 Prairie Clay</a>	<a href="#">113 Amarillo White</a>	<a href="#">379B Whisper</a>	<a href="#">398B Powder Tan</a>
<a href="#">106 Pearl Ash</a>	<a href="#">108 Manor White</a>	<a href="#">612 Moonlight</a>	<a href="#">455A Pearl</a>
<a href="#">112 Sandlewood Beige</a>	<a href="#">105 Suede</a>	<a href="#">449 Buckskin</a>	<a href="#">385A Sandpiper</a>
<a href="#">117 Colonial Tan</a>	<a href="#">110 Van Dyke</a>	<a href="#">387A Pancake</a>	<a href="#">443A Canvas</a>
<a href="#">142 SpectrumBrown</a>	<a href="#">383 Honey Twist</a>	<a href="#">116 Victorian Lace</a>	<a href="#">101 Super White</a>
<a href="#">139 Adobe Accent</a>	<a href="#">389 Southern Tan</a>	<a href="#">399 Coffee Milk</a>	<a href="#">613B Overcast</a>
<a href="#">133 Driftwood</a>	<a href="#">339A Caribou</a>	<a href="#">380 Chocolate Mousse</a>	<a href="#">132 Mountain Fog</a>

# SHINGLES

