





INTERIM REVIEW DOCUMENTS  
 This document is preliminary and is not intended for  
 Regulatory Approval, Permit, or Construction  
 Purpose.  
 This document is issued under the authority of Gary  
 McCalla, 12519 on 03-02-15.

Revisions:


Issue Date:

Project No:  
15023A

Sheet Title:  
BUILDING FACADE/  
EXTERIOR ELEVATIONS


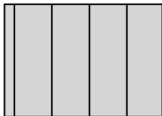

Case Number: SP2015-009

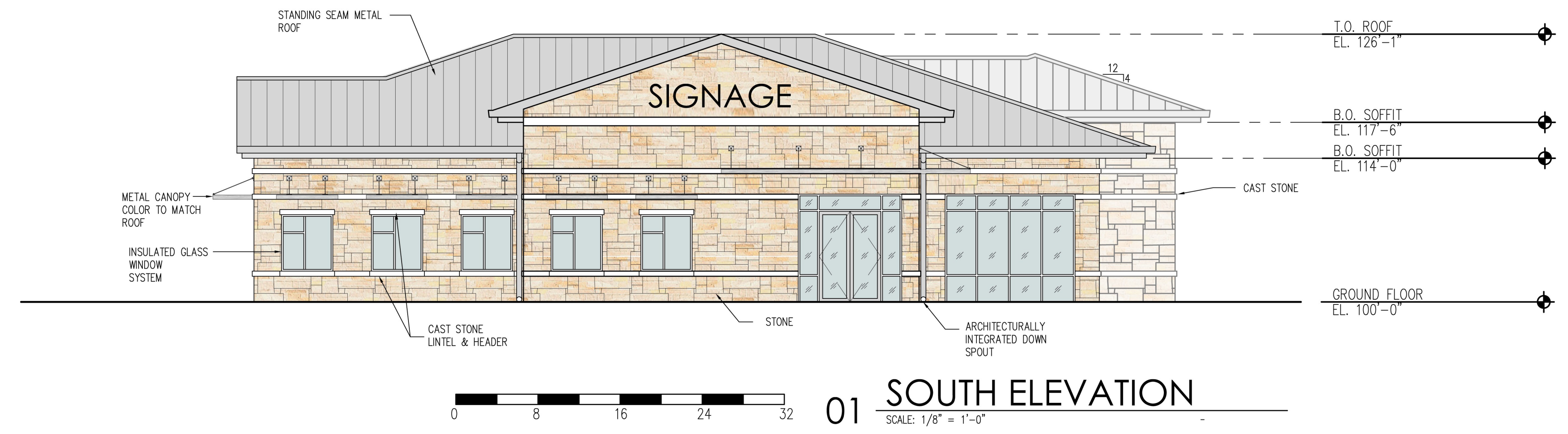
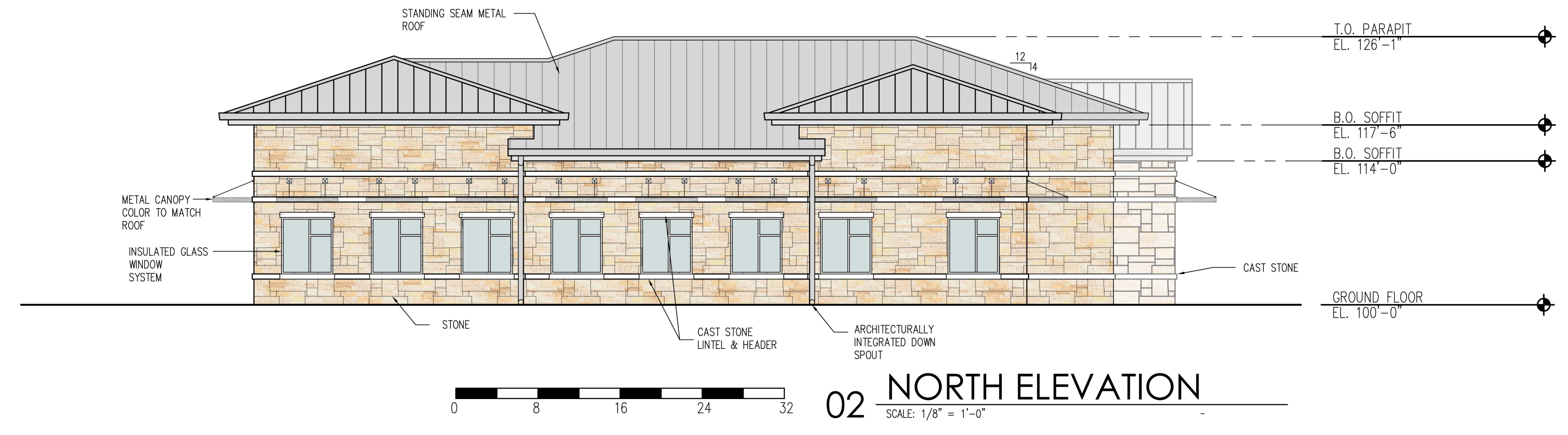
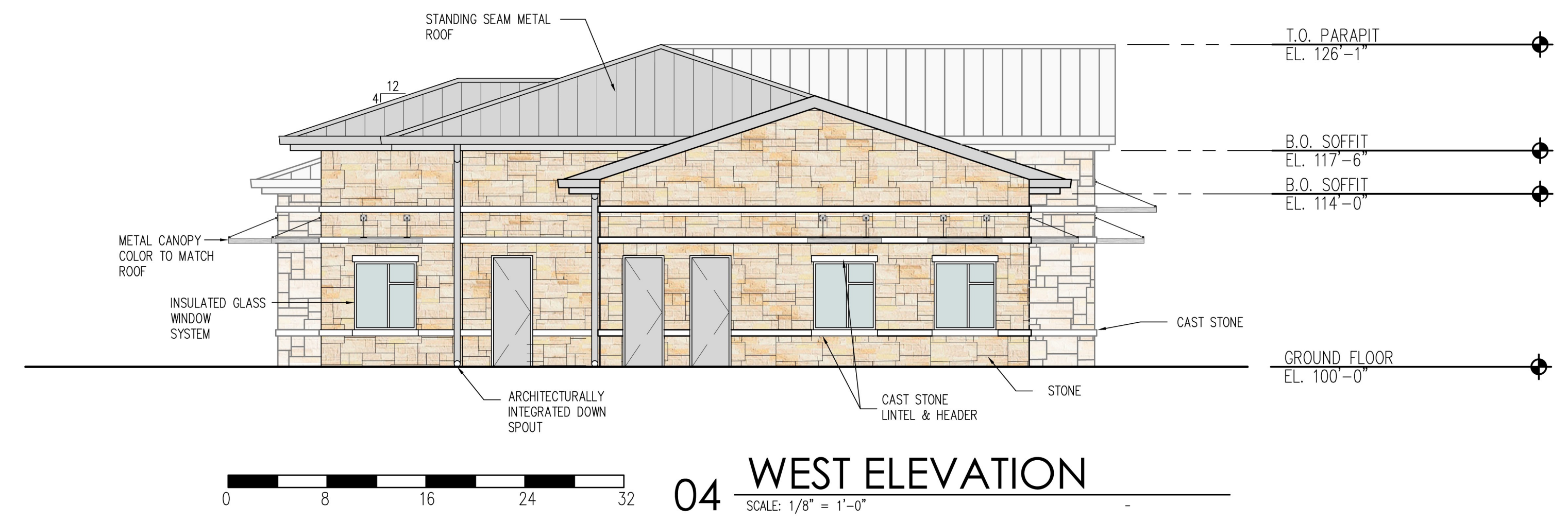
Sheet No:

Material Schedule				
ELEVATION	WALL AREA	STONE AREA	CAST STONE AREA	DOORS & INSUL. GLASS
SOUTH ELEVATION	1552 SF	1045 SF	209 SF	298 SF
NORTH ELEVATION	1451 SF	1086 SF	145 SF	220 SF
EAST ELEVATION	1060 SF	796 SF	124 SF	140 SF
WEST ELEVATION	1164 SF	869 SF	122.5 SF	172.5 SF

Accent Material Compliance Schedule					
ELEVATION	WALL AREA	MIN. 20% STONE REQ'D.	STONE AREA	CAST STONE AREA	TOTAL PROVIDED STONE
SOUTH ELEVATION	1552 SF	310.4 SF	1045 SF	209 SF	1254 SF
NORTH ELEVATION	1451 SF	290.2 SF	1086 SF	145 SF	1231 SF
EAST ELEVATION	1060 SF	212 SF	796 SF	124 SF	920 SF
WEST ELEVATION	1164 SF	232.8 SF	869 SF	122.5 SF	991.5 SF

Minimum Standards for Articulation	
<b>REQUIRED:</b>	<b>PROVIDED:</b>
<b>HORIZONTAL:</b>	<b>HORIZONTAL:</b>
-PROJECTING OFFSET = 25% X (14') = 3.5' (Min.)	-PROJECTING OFFSET = VARIES (3.5' Min.)
-LENGTH OF OFFSET = 25% X (42') = 10.5' (Min.)	-LENGTH OF OFFSET = VARIES (10.5' Min.)
-DISTANCE BETWEEN (L) = 3 X (14') = 42' (Max.)	-DISTANCE BETWEEN (L) = VARIES (42' Max.)
<b>HORIZONTAL:</b>	<b>HORIZONTAL:</b>
-PROJECTING OFFSET = 25% X (14') = 3.5' (Min.)	-PROJECTING OFFSET = VARIES (3.5' Min.)
-LENGTH OF OFFSET = 25% X (42') = 10.5' (Min.)	-LENGTH OF OFFSET = VARIES (10.5' Min.)
-DISTANCE BETWEEN (L) = 3 X (14') = 42' (Max.)	-DISTANCE BETWEEN (L) = VARIES (42' Max.)

MATERIALS LEGEND	
	NATURAL STONE
	STANDING SEAM METAL ROOF COLOR: PARCHMENT
	HERITAGE CAST STONE COLOR: SNOW CAP









**LIGHTING FIXTURE SCHEDULE**

TYPE	DESCRIPTION	LAMPS	VOLTAGE
AA	LED SHOEBOX IN DARK BRONZE FINISH WITH SQUARE POLE.	LED SOURCE INCLUDED	208V
AB	(2) LEDSHOEBOXES IN DARK BRONZE FINISH WITH SQUARE POLE.	LED SOURCE INCLUDED	208V

NOTES: 1) ALL FIXTURES MAY NOT BE USED.  
 2) FURNISH COLD WEATHER (0°) BALLASTS FOR ALL OUTDOOR HID OR FLUORESCENT LIGHTING FIXTURES.  
 3) ENSURE ALL OUTDOOR FIXTURES ARE UL LISTED FOR THEIR INTENDED USE (I.E., DAMP OR WET LOCATION LISTED).  
 4) CONTRACTOR SHALL PROVIDE 2" 3" OR 4" LENGTHS AS REQUIRED FOR UNDERCABINET LIGHTING FIXTURES TO ENSURE LIGHTING IS CONTINUOUS FROM END TO END WITH NO GAPS BETWEEN FIXTURES.  
 5) PROVIDE ELECTRONIC BALLASTS AS APPROPRIATE AND AVAILABLE FOR ALL FLUORESCENT LIGHTING FIXTURES. ALL ELECTRONIC BALLAST SHALL BE AS MANUFACTURED BY ADVANCE, MOTOROLA OR TRID.

**LOWRANCE DENTAL**  
 ROCKWALL, TEXAS

CLIENT  
 DR. STAN D. LOWRANCE, DDS  
 2313 RIDGE ROAD, SUITE 104  
 ROCKWALL, TEXAS 75087

CIVIL ENGINEER  
 F.C. CUNY CORPORATION  
 #2 HORIZON CORP  
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MECHANICAL & PLUMBING  
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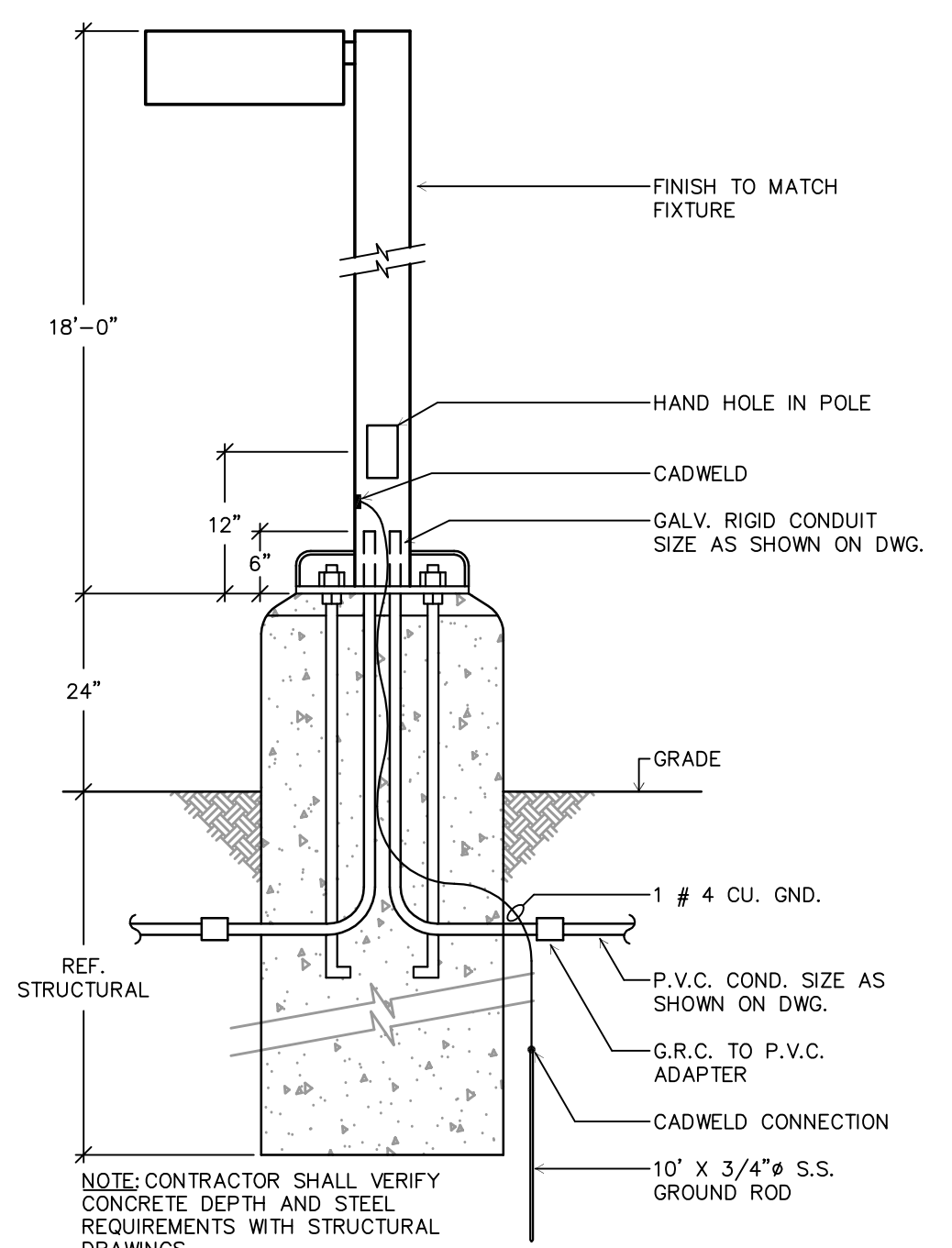
Revisions:

Issue Date:  
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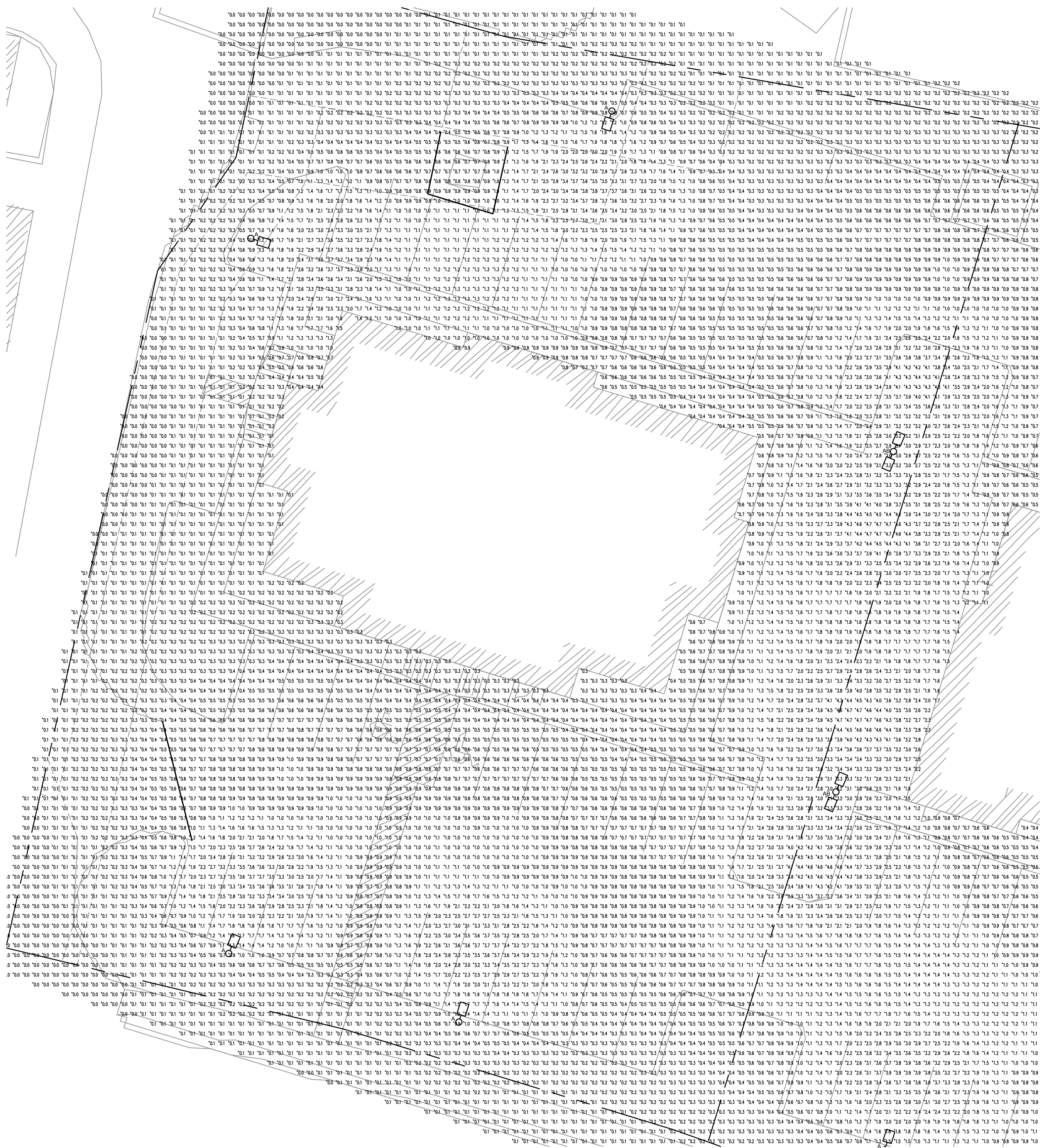
Project No:  
 15023A

Sheet Title:  
 SITE PLAN  
 PHOTOMETRIC

Sheet No:  
 EP1.01



**02 TYPES 'AA' & 'AB' MOUNTING DETAIL**  
 SCALE: NOT TO SCALE



**01 SITE PLAN - PHOTOMETRIC**  
 SCALE: 3/32" = 1'-0"

**Type:**

**Job:**

**Catalog number:**

/	/	/	/	/	/
Mtg.	Fixture	Electrical Module	Finish	Options See pages 3-4	Optional Vertical Slipfitter Mount See page4
See page 2					

**Approvals:**

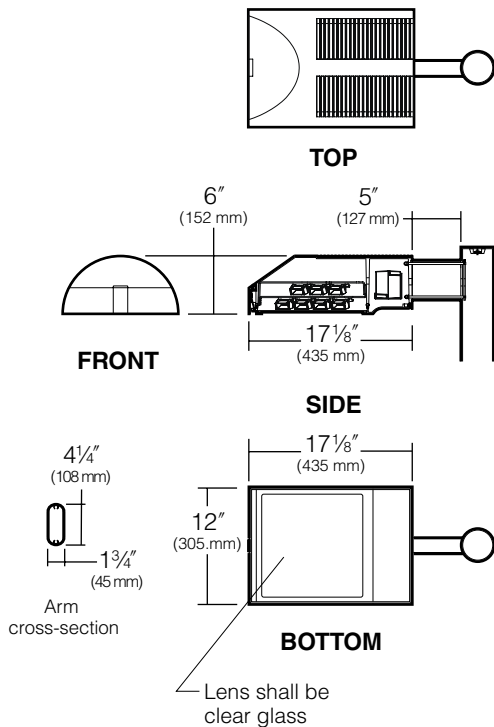
**Date:**  
**Page: 1 of 6**

Select pole from Kim Arms and Poles Selection Guide. If pole is provided by others indicate O.D. for arm fitting.

## Specifications

### SAR-LED

60 Light Emitting Diodes  
Total System Watts = 66W  
Maximum Weight = 30 lbs.



**Housing:** One-piece die-cast, low copper (<0.6% Cu) aluminum alloy with integral cooling ribs over the optical chamber and electrical compartment. Solid barrier wall separates optical and electrical compartments. Double-thick wall with gussets on the support-arm mounting end. Housing forms a half cylinder with 55° front face plane providing a recess to allow a flush single-latch detail. All hardware is stainless steel or electro-zinc plated steel.

**Lens Frame:** One-piece die-cast, low copper (<0.6% Cu) aluminum alloy lens frame with 1" minimum depth around the gasket flange. Integral hinges with stainless steel pins provide no-tool mounting and removal from housing. Single die-cast aluminum cam-latch provides positive locking and sealing of the optical chamber by a one-piece extruded and vulcanized silicone gasket to provide an IP66 rating for the optical module. Clear 3/16" thick tempered glass lens retained by eight steel clips with full silicone gasketing around the perimeter.

**Electronic Module:** All electrical components are UL and CSA recognized, mounted on a single plate and factory prewired with quick-disconnect plugs. Module includes a driver, thermal control device and surge protector. Electrical module attaches to housing with no-tool hinges and latches, accessible by opening the lens frame only. Driver is rated for -40°F starting and has a 0-10V dimming interface for multi-level illumination options.

**Optical Module:** Precision, replaceable PicoEmitters are positioned to achieve directional control toward desired task. The entire EmitterDeck fastens to the housing as a one-piece module.

**Support Arm:** One-piece extruded aluminum with internal bolt guides and fully radiussed top and bottom. Luminaire-to-pole attachment is by internal draw bolts, and includes a pole reinforcing plate with wire strain relief. Arm is circular cut for specified round pole.

**Optional Wall Mounting:** Fixture mounted to poured concrete walls only. A modified support arm is provided with side access to allow field splices within the arm. A wall embedment bracket is provided to accept draw bolts, and a trim plate covers the wall-embedded junction box. All wall mount components are finished to match the fixture.

**Finish:** Each luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) polyester powdercoat finish. Standard colors include (BL) Black, (DB) Dark Bronze, (WH) White, (PS) Platinum Silver, (SG) Stealth Gray, (LG) Light Gray, and (CC) Custom Color (Include RAL#).

**Listed To:** UL 1598 Standard for Luminaires - UL 8750 Standard for Safety for Light Emitting Diode (LED) Equipment for use in Lighting Products and CSA C22.2#250.0 Luminaires.

**Warranty:** Kim Lighting warrants The Archetype LED products ("Product(s)") sold by Kim Lighting to be free from defects in material and workmanship for (i) a period of five (5) years for metal parts, (ii) a period of ten (10) years for exterior housing paint finish(s), (iii) a period of six (6) years for LED Light Engines (PicoEmitters) and, (iv) a period of five (5) years for LED power components (LED Driver, LifeShield® device, Surge Protector), from the date of sale of such goods to the buyer as specified in Kim Lighting shipment documents for each product.

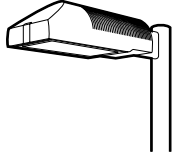
**CAUTION:** Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

KIM LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.








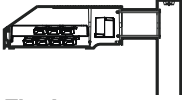
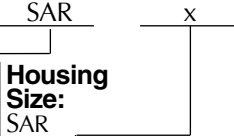
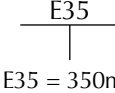






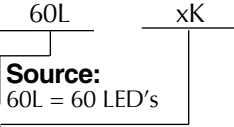
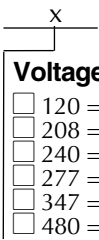
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Job:

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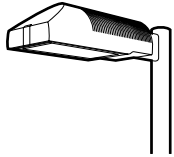
## Standard Features

<p><b>Mounting</b> 3SY configuration is available for round poles only.</p>	<p>Plan View:</p> <div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;">  EPA: 0.7 Cat. No.: <input type="checkbox"/> <b>1SA</b> </div> <div style="text-align: center;">  EPA: 1.4 Cat. No.: <input type="checkbox"/> <b>2SB</b> </div> <div style="text-align: center;">  EPA: 1.2 Cat. No.: <input type="checkbox"/> <b>2SL</b> </div> <div style="text-align: center;">  EPA: 1.9 Cat. No.: <input type="checkbox"/> <b>3ST</b> </div> <div style="text-align: center;">  EPA: 1.9 Cat. No.: <input type="checkbox"/> <b>3SY</b> </div> <div style="text-align: center;">  EPA: 2.5 Cat. No.: <input type="checkbox"/> <b>4SC</b> </div> <div style="text-align: center;">  Cat. No.: <input type="checkbox"/> <b>1W</b> </div> </div>
<p><b>Fixture</b> Cat. No. designates fixture and optic</p> <div style="text-align: center; margin-top: 20px;">  <b>Flat Lens</b> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SAR      x</p>  <p><b>Housing Size:</b> SAR</p> </div> <div style="width: 45%;"> <p>E35</p>  <p>E35 = 350mA</p> </div> </div> <div style="margin-top: 10px;"> <p><b>Distribution:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> 2 = Type II Full Cutoff</li> <li><input type="checkbox"/> 3 = Type III Full Cutoff</li> <li><input type="checkbox"/> 4 = Type IV Full Cutoff</li> <li><input type="checkbox"/> 5 = Type V Square Full Cutoff</li> <li><input type="checkbox"/> L = Type L Left Full Cutoff</li> <li><input type="checkbox"/> R = Type R Right Full Cutoff</li> </ul> </div> <div style="margin-top: 10px;"> <p style="text-align: center;">Light Distribution:</p> <div style="display: grid; grid-template-columns: repeat(3, 1fr); gap: 10px;"> <div style="text-align: center;">  Type II         </div> <div style="text-align: center;">  Type III         </div> <div style="text-align: center;">  Type IV Forward Throw         </div> <div style="text-align: center;">  Type V Square         </div> <div style="text-align: center;">  Type R Right         </div> <div style="text-align: center;">  Type L Left         </div> </div> </div>
<p><b>Electrical Module</b></p>	<p>Cat. Nos. for Electrical Modules available:</p> <div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;"> <p>60L      xK</p>  <p><b>Source:</b> 60L = 60 LED's</p> </div> <div style="text-align: center;"> <p>x</p>  <p><b>Voltage:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> 120 = 120V</li> <li><input type="checkbox"/> 208 = 208V</li> <li><input type="checkbox"/> 240 = 240V</li> <li><input type="checkbox"/> 277 = 277V</li> <li><input type="checkbox"/> 347 = 347V<sup>2</sup></li> <li><input type="checkbox"/> 480 = 480V<sup>2</sup></li> </ul> </div> </div> <div style="margin-top: 10px;"> <p><b>Color Temperature:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> 3K = 3000K</li> <li><input type="checkbox"/> 4K = 4200K</li> <li><input type="checkbox"/> 5K = 5100K</li> <li><input type="checkbox"/> 2K = 580nm - Amber</li> </ul> </div> <p><sup>2</sup>Due to current unavailability of 347V and 480V drivers, specification of these voltages may feature an integral step-down transformer.</p>
<p><b>Finish</b> TGIC powder coat.</p>	<p>Color:    Black    Dark Bronze    Light Gray    Stealth Gray    Platinum Silver    White    Custom Color<sup>1</sup></p> <p>Cat. No.: <input type="checkbox"/> <b>BL</b>   <input type="checkbox"/> <b>DB</b>   <input type="checkbox"/> <b>LG</b>   <input type="checkbox"/> <b>SG</b>   <input type="checkbox"/> <b>PS</b>   <input type="checkbox"/> <b>WH</b>   <input type="checkbox"/> <b>CC</b></p> <p><sup>1</sup>Custom colors subject to additional charges, minimum quantities and extended lead times. Consult representative. Custom color description: _____</p>

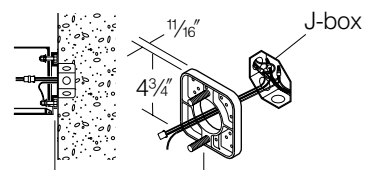
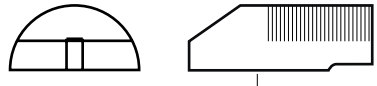
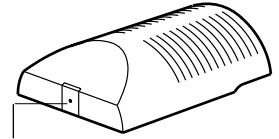
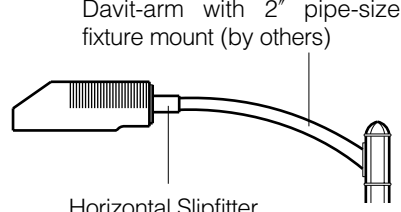
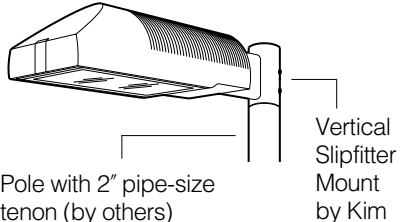

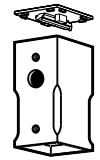

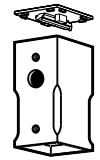

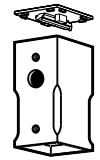


Type:

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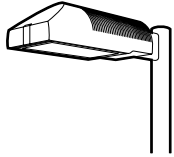


## Optional Features



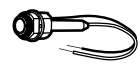
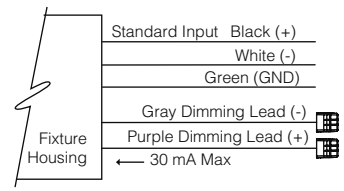
<p><b>Wall Mounting</b>          Cat. No. <input type="checkbox"/> 1W  <input type="checkbox"/> No Option</p> <p>Select from Mounting on page 2.</p>	<p>Fixture mounts to 3" or 4" junction boxes by a cast aluminum adapter plate with fixture mounting bolts.</p> <p><b>NOTE:</b> Junction box in wall must provide adequate fixture support. See NEC sections 370-13, 17 and 410-14, 16. Quick-disconnect plug and wiring are provided to allow field connections prior to fixture mounting.</p>	 <p>Wall mount using adapter plate 3" or 4" J-box in wall (by others)</p>																																										
<p><b>Polycarbonate Lens</b>          Cat. No. <input type="checkbox"/> LS  <input type="checkbox"/> No Option</p>	<p>Fixture supplied with a one-piece flat, clear, UV stabilized polycarbonate, fully gasketed, replacing the standard tempered glass lens.</p> <p><b>CAUTION:</b> Use only when vandalism is anticipated to be high.</p>	 <p>Flat Lens</p>																																										
<p><b>Tamper-Resistant Latch</b>          Cat. No. <input type="checkbox"/> TL  <input type="checkbox"/> No Option</p>	<p>Standard die-cast latch is provided with a captive 10-32 stainless steel flat socket-head screw to prevent unauthorized opening.</p> <p><b>NOTE:</b> Required only for vandal protection in locations where fixtures can be reached by unauthorized persons.</p>	 <p>Tamper-Resistant Latch</p>																																										
<p><b>Horizontal Slipfitter Mount</b>          Cat. No. <input type="checkbox"/> HSF  <input type="checkbox"/> No Option</p>	<p>Replaces standard mounting arm with a slipfitter which allows fixture to be mounted to a horizontal pole davit-arm with 2" pipe-size mounting end (2 3/8" O.D.). Cast aluminum slipfitter with set screw for an up or down 5° adjustment lock. Bolts to housing from inside the electrical compartment using mounting holes for the standard support arm. Davit-arm must be field drilled at a set screw location to insure against fixture rotation. Finished to match fixture and arm.</p>	 <p>Davit-arm with 2" pipe-size fixture mount (by others)</p> <p>Horizontal Slipfitter Mount by Kim</p>																																										
<p><b>Vertical Slipfitter Mounts</b>          Cat. No. includes Mounting          Cat. No. (See right)  <input type="checkbox"/> No Option</p>	<p>Allows fixture with standard support arm to be mounted to poles having a 2" pipe-size tenon (2 3/8" O.D. x 4 1/2" min. length). All mounting configurations can be used (1SA, 2SB, 2SL, 3ST, 3SY, 4SC). 4" square or round die-cast aluminum with flush cap, secured by four 3/8" stainless steel set point allen screws, finished to match fixture and arm.</p> <p><b>NOTE:</b> 3SY only available on round slipfitter.</p>	 <p>Pole with 2" pipe-size tenon (by others)</p> <p>Vertical Slipfitter Mount by Kim</p> <table border="0" data-bbox="487 1732 1542 1953"> <tr> <td>Cat. No.</td> <td></td> <td>Stainless steel set screws</td> <td></td> <td>Cat. No.</td> <td>Mounting Configuration</td> </tr> <tr> <td><input type="checkbox"/> VSF-1SA</td> <td></td> <td></td> <td></td> <td><input type="checkbox"/> SVSF-1SA</td> <td>1SA - single arm mount</td> </tr> <tr> <td><input type="checkbox"/> VSF-2SB</td> <td></td> <td></td> <td></td> <td><input type="checkbox"/> SVSF-2SB</td> <td>2SB - 2 at 180°</td> </tr> <tr> <td><input type="checkbox"/> VSF-2SL</td> <td></td> <td></td> <td></td> <td><input type="checkbox"/> SVSF-2SL</td> <td>2SL - 2 at 90°</td> </tr> <tr> <td><input type="checkbox"/> VSF-3ST</td> <td></td> <td></td> <td></td> <td><input type="checkbox"/> SVSF-3ST</td> <td>3ST - 3 at 90°</td> </tr> <tr> <td><input type="checkbox"/> VSF-3SY</td> <td></td> <td></td> <td></td> <td><input type="checkbox"/> SVSF-3SY</td> <td>3SY - 3 at 120°</td> </tr> <tr> <td><input type="checkbox"/> VSF-4SC</td> <td></td> <td></td> <td></td> <td><input type="checkbox"/> SVSF-4SC</td> <td>4SC - 4 at 90°</td> </tr> </table>	Cat. No.		Stainless steel set screws		Cat. No.	Mounting Configuration	<input type="checkbox"/> VSF-1SA				<input type="checkbox"/> SVSF-1SA	1SA - single arm mount	<input type="checkbox"/> VSF-2SB				<input type="checkbox"/> SVSF-2SB	2SB - 2 at 180°	<input type="checkbox"/> VSF-2SL				<input type="checkbox"/> SVSF-2SL	2SL - 2 at 90°	<input type="checkbox"/> VSF-3ST				<input type="checkbox"/> SVSF-3ST	3ST - 3 at 90°	<input type="checkbox"/> VSF-3SY				<input type="checkbox"/> SVSF-3SY	3SY - 3 at 120°	<input type="checkbox"/> VSF-4SC				<input type="checkbox"/> SVSF-4SC	4SC - 4 at 90°
Cat. No.		Stainless steel set screws		Cat. No.	Mounting Configuration																																							
<input type="checkbox"/> VSF-1SA				<input type="checkbox"/> SVSF-1SA	1SA - single arm mount																																							
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<input type="checkbox"/> VSF-3ST				<input type="checkbox"/> SVSF-3ST	3ST - 3 at 90°																																							
<input type="checkbox"/> VSF-3SY				<input type="checkbox"/> SVSF-3SY	3SY - 3 at 120°																																							
<input type="checkbox"/> VSF-4SC				<input type="checkbox"/> SVSF-4SC	4SC - 4 at 90°																																							

Type:

Job:



## Standard & Optional Features

<b>Neighbor Friendly Optic:</b> Cat. No. <input type="checkbox"/> <b>NFO</b> <input type="checkbox"/> <b>No Option</b>	Integrated Neighbor Friendly Optic on each PicoEmitter™ module to completely control unwanted backlight. Most effective with Type III and IV distributions.	 <b>TYPE III-NFO</b>	 <b>TYPE IV-NFO</b>
<b>Fusing</b> Cat. No. <b>(see right)</b> <input type="checkbox"/> <b>No Option</b>	Line Volts: 120V 208V 240V 277V 347V 480V Cat. No.: <input type="checkbox"/> <b>SF</b> <input type="checkbox"/> <b>DF</b> <input type="checkbox"/> <b>DF</b> <input type="checkbox"/> <b>SF</b> <input type="checkbox"/> <b>SF</b> <input type="checkbox"/> <b>DF</b>	 Single Fuse	
<b>0-10V Dimming Interface</b>	0-10V Dimming Interface - Driver has 0-10V dimming interface with a range of 10-100%. Is compatible with most control systems. Note: Not compatible with current sourcing dimmers. Controls compatible via Gray and Purple dimming leads. Always consult with control company for compatibility.		
<b>Photocell Receptacle</b> Cat. No. <input type="checkbox"/> <b>A-25</b> <input type="checkbox"/> <b>No Option</b>	Fixture supplied with a fully gasketed receptacle above the electrical compartment for NEMA twist-lock base photocell (by-others). For multiple fixture pole mountings, one fixture has the receptacle to operate the others		
<b>Photocell Control</b> Cat. No. <b>(See right)</b> <input type="checkbox"/> <b>No Option</b>	Fixture supplied with a fully gasketed button photocell within the electrical compartment.		
<b>NEMA Receptacle</b> Cat. No. <input type="checkbox"/> <b>NEMA7</b> <input type="checkbox"/> <b>No Option</b>	Fixture supplied with a fully gasketed receptacle above the electrical compartment for NEMA twist-lock control module (by-others). Wires are attached to relevant components within the luminaire. For multiple fixture pole mountings, one fixture has the receptacle to operate the others.		
<b>Time Clock Relay</b> Cat. No. <input type="checkbox"/> <b>TCR</b> <input type="checkbox"/> <b>No Option</b>	Time Clock Relay - An intergral relay and dimming circuit is provided at the voltage of the luminaire for contact from a time clock by-others. The Time Clock tells the relay to switch to 50% dim.		
<b>Occupancy Sensor up to 16'</b> Cat. No. <input type="checkbox"/> <b>SCL</b> <input type="checkbox"/> <b>No Option</b>	Occupancy Sensor up to 16' - Outdoor occupancy sensor with 0-10v interface dimming control mounts directly to the underside of the luminaire. Wide 360° pattern. Module colors available Black, Gray, and White.		
<b>Occupancy Sensor up to 30'</b> Cat. No. <input type="checkbox"/> <b>SCH</b> <input type="checkbox"/> <b>No Option</b>	Occupancy Sensor up to 30' - Outdoor occupancy sensor with 0-10v interface dimming control mounts directly to the underside of the luminaire. Wide 360° pattern. Module colors available Black, Gray, and White.		



Type:

Job:

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## Optional Features

<p><b>Round Pole-Mounted Occupancy Sensor up to 16'</b>          Cat. No. <input type="checkbox"/> <b>SCL-R</b>  <input type="checkbox"/> <b>No Option</b></p>	<p>Round Pole Mounted Occupancy Sensor up to 16' - Outdoor occupancy sensor with 0-10v interface dimming control mounts directly to the underside of the luminaire. Wide 360° pattern. Module colors available Black, Gray, and White. Module is cut for round pole mounting. Pole diameter needed.</p> <p><b>Ordering Example: SCL-R4*/277**/BL***</b>          *Pole Diameter, ** Voltage, *** Color</p>
<p><b>Square Pole-Mounted Occupancy Sensor up to 16'</b>          Cat. No. <input type="checkbox"/> <b>SCL-S</b>  <input type="checkbox"/> <b>No Option</b></p>	<p>Square Pole Mounted Occupancy Sensor up to 16' - Outdoor occupancy sensor with 0-10v interface dimming control mounts directly to the underside of the luminaire. Wide 360° pattern. Module colors available Black, Gray, and White. Module is cut for square pole mounting.</p> <p><b>Ordering Example: SCL-S277**/BL***</b>          ** Voltage, *** Color</p>
<p><b>Round Pole-Mounted Occupancy Sensor up to 30'</b>          Cat. No. <input type="checkbox"/> <b>SCH-R</b>  <input type="checkbox"/> <b>No Option</b></p>	<p>Round Pole Mounted Occupancy Sensor up to 30' - Outdoor occupancy sensor with 0-10v interface dimming control mounts directly to the underside of the luminaire. Wide 360° pattern. Module colors available Black, Gray, and White. Module is cut for round pole mounting. Pole diameter needed.</p> <p><b>Ordering Example: SCH-R4*/277**/BL***</b>          *Pole Diameter, ** Voltage, *** Color</p>
<p><b>Square Pole-Mounted Occupancy Sensor up to 30'</b>          Cat. No. <input type="checkbox"/> <b>SCH-S</b>  <input type="checkbox"/> <b>No Option</b></p>	<p>Square Pole Mounted Occupancy Sensor up to 30' - Outdoor occupancy sensor with 0-10v interface dimming control mounts directly to the underside of the luminaire. Wide 360° pattern. Module colors available Black, Gray, and White. Module is cut for square pole mounting.</p> <p><b>Ordering Example: SCH-S/277**/BL***</b>          ** Voltage, *** Color</p>
<p><b>Wireless Control</b>          Cat. No. <input type="checkbox"/> <b>WIH-M</b>  <input type="checkbox"/> <b>No Option</b></p>	<p>In fixture WiHubb® wireless control module features on/off/variable and step dimming, SNAP protocol mesh network, AES-128 encryption detection, occupancy sensor interface and intuitive, user-friendly software. The most comprehensive and up to date information can be found at <a href="http://www.hubbell-automation.com/products/wihubb_infixture_module/">http://www.hubbell-automation.com/products/wihubb_infixture_module/</a>.</p>
<p><b>Wireless Control</b>          Cat. No. <input type="checkbox"/> <b>WSI-M</b>  <input type="checkbox"/> <b>No Option</b></p>	<p>Hubbell Building Automation's wiSCAPE™ Fixture Module is a bidirectional wireless RF device that allows an individual fixture to be managed, monitored and metered. The wiSCAPE Fixture Modules communicates wirelessly over a robust 2.4GHz ISM (Industrial, Scientific and Medical) certified meshed radio signal. The wiSCAPE Fixture Module drastically simplifies control and automation of projects, especially in retrofit environments and challenges the legacy world of wired-systems. wiSCAPE wireless control technology adapts easily to complex automation situations for quick, simple and economical commissioning.</p>

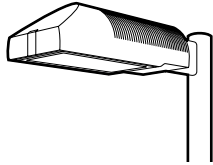
Additional information on controls can be found at <http://www.hubbellighting.com/solutions/controls/>



Type:

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## Lumen Data

Spectroradiometric			
	3000K Average	4200K Average	5100K Average
Correlated Color Temp. CCT (K)	2800K-3175K	3800K-4600K	4600K-5600K
Color Rendering Index (CRI)	≥80	≥80	≥70
Power Factor	>.90	>.90	>.90

Projected Lumen Maintenance		
mA	100,000 hrs	(Calculated L70)
350	93.04%	565,000 Hrs

Electrical Drive Current		
Volts - AC	Amps - AC	System Watts
120	0.54	65
208	0.31	65
240	0.27	65
277	0.23	65
347	0.19	65
480	0.14	65

B.U.G. Rating (TM15) in Lumens when B = Backlight, U = Uplight, G = Glare								
Temperature	TYPE 1	TYPE 2	TYPE 3	TYPE 3 NFO	TYPE 4	TYPE 4 NFO	TYPE 5	TYPE L/R
3000K	TBD	B1 U0 G1	B1 U0 G1	B1 U0 G1	B1 U0 G1	B0 U0 G1	B2 U0 G1	TBD
4200K	TBD	B2 U0 G2	B1 U0 G1	B1 U0 G1	B1 U0 G1	B0 U0 G1	B3 U0 G1	TBD
5100K	TBD	B2 U0 G2	B1 U0 G1	B1 U0 G1	B1 U0 G2	B0 U0 G1	B3 U0 G1	TBD

Absolute Lumens								
Temperature	TYPE 1	TYPE 2	TYPE 3	TYPE 3 NFO	TYPE 4	TYPE 4 NFO	TYPE 5	TYPE L/R
3000K	TBD	3987	3827	3156	3922	3208	3907	TBD
4200K	TBD	5277	5065	4176	5191	4246	5171	TBD
5100K	TBD	5527	5305	4374	5437	4447	5416	TBD

LED performance and lumen output continues to improve at a rapid pace. Log onto [www.kimlighting.com](http://www.kimlighting.com) to download the most current photometric files from Kim Lighting's IES File Library. For custom optics and color temperature configurations, contact factory.