

Material Schedule								
ELEVATION	CAST STONE AREA	DOORS & INSUL. GLASS						
SOUTH ELEVATION	1441 SF	913 SF	156 SF	372 SF				
NORTH ELEVATION	1293 SF	990 SF	133 SF	170 SF				
EAST ELEVATION	990 SF	651 SF	127.5 SF	211.5 SF				
WEST ELEVATION	1078 SF	738 SF	93 SF	247 SF				

Accent Material Compliance Schedule								
ELEVATION	WALL AREA	MIN. 20% STONE REQ'D.	STONE AREA	CAST STONE AREA	TOTAL PROVIDED STONE			
SOUTH ELEVATION	1441 SF	288.2 SF	913 SF	156 SF	1069 SF			
NORTH ELEVATION	1293 SF	258.6 SF	990 SF	133 SF	1123 SF			
EAST ELEVATION	990 SF	198 SF	651 SF	127.5 SF	778.5 SF			
WEST ELEVATION	1078 SF	215.6 SF	738 SF	93 SF	831 SF			

Minimum Standards for Articulation

<u>REQUIRED:</u>

HORIZONTAL

-PROJECTING OFFSET = 25% X (14') = 3.5' (Min.) -LENGTH OF OFFSET = 25% X (42') = 10.5' (Min.) -DISTANCE BETWEEN (L) = 3 X (14') = 42' (Max.)

HORIZONTAL:

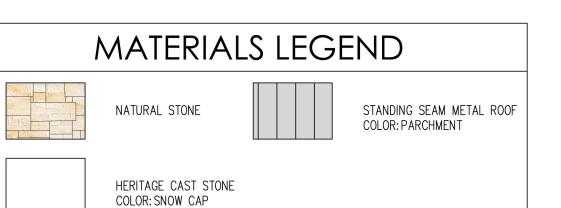
-PROJECTING OFFSET = 25% X (14') = 3.5' (Min.) -LENGTH OF OFFSET = 25% X (42') = 10.5' (Min.) -DISTANCE BETWEEN (L) = 3 X (14') = 42' (Max.) PROVIDED:

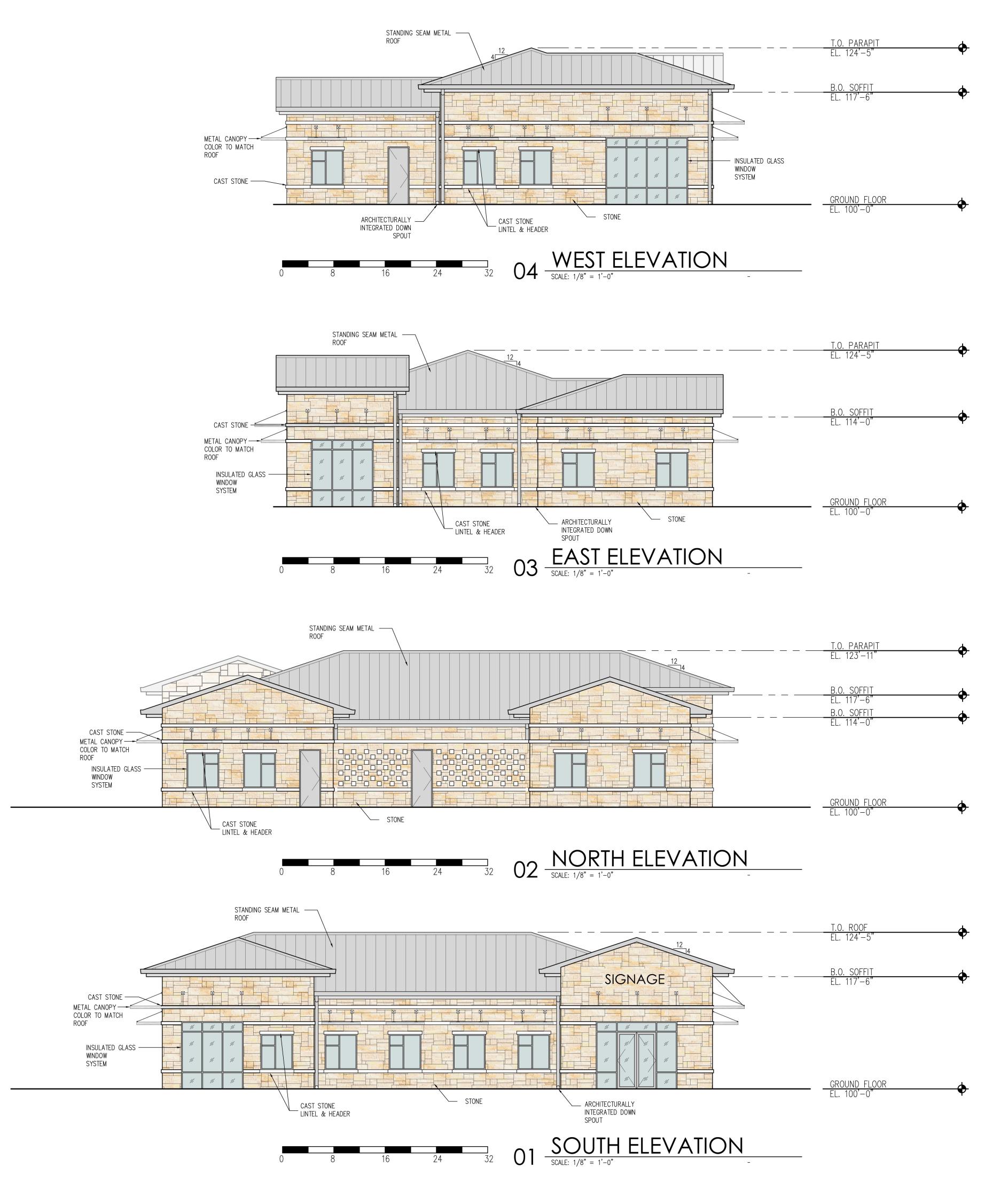
HORIZONTAL:

-PROJECTING OFFSET = VARIES (3.5' Min.) -LENGTH OF OFFSET = VARIES (10.5' Min.) -DISTANCE BETWEEN (L) = VARIES (42' Max.)

HORIZONTAL:

-PROJECTING OFFSET = VARIES (3.5' Min.) -LENGTH OF OFFSET = VARIES (10.5' Min.) -DISTANCE BETWEEN (L) = VARIES (42' Max.)





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MCCALLARIOS ARCHITECTURE, PLLC. 780 N. Watters Rd., Suite 100 A I I e n , T X 7 5 0 1 3 972.294.3537 www.mccallarios.com

AKESIDE ALLERGY R, NOSE, & THROAT

CLIENT GREGORY YOUNG MD 1005 WEST RALPH HALL PARKWAY ROCKWALL, TEXAS 75032

CIVIL ENGINEER
F C CUNY CORPORATION
#2 HORIZON COURT
SUITE 500
HEATH, TEXAS 75032
(469) 402-7700

MECHANICAL & PLUMBING
ENGINEER
NOVA ENGINEERING
2625 N. JOSEY LN.
SUITE 112
CARROLTON, TEXAS 75007
(972) 323-7300

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INTERIM REVIEW DOCUMENTS

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This document is issued under the authority of Gary McCalla, 12519 on 03-02-15.

Revisions:

Issue Date:

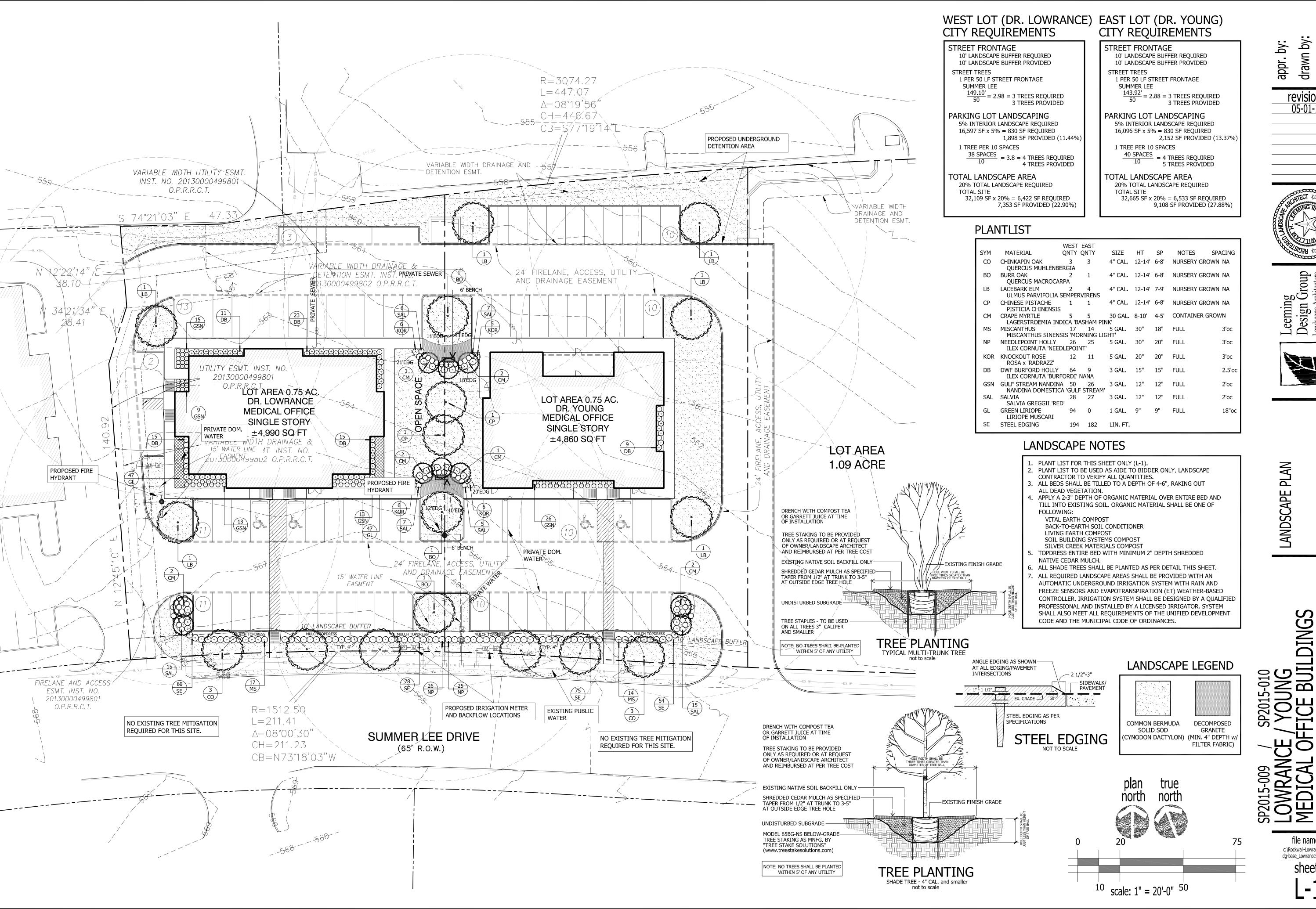
Project No: 15023A

Sheet Title:

BUILDING FACADE/ EXTERIOR ELEVATIONS Case Number: SP2015-010

Sheet No:

A1



drawn by:

revisions

LDINGS

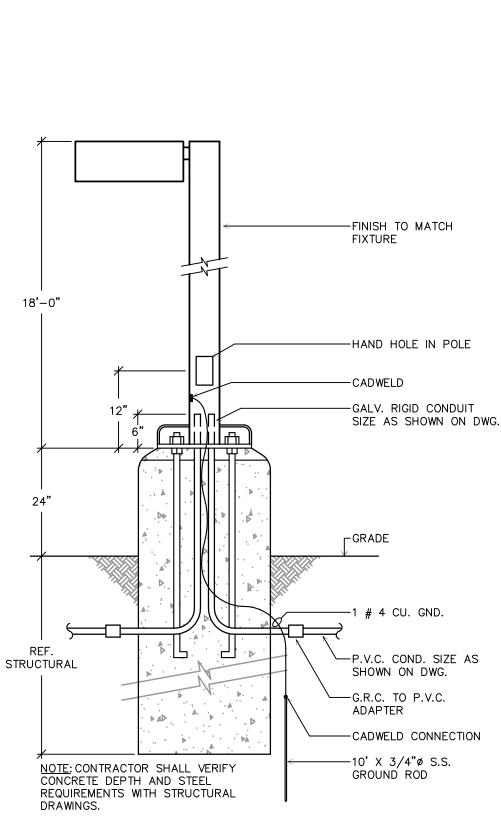
file name: c:\Rockwall-Lowrance MOB\ ldg-base_LowranceYoung.dwg sheet

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				

, FURNISH COLD WEATHER (0°) BALLASTS FOR ALL OUTDOOR HID OR FLUORESCENT LIGHTING FIXTURES. 3) ENSURE ALL OUTDOOR FIXTURES ARE ULLISTED 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 TRIAD.



7 + 0.6 + 0.6 + 0.6 + 0.6 + 0.6 + 0.6 + 0.6 + 0.6 + 0.5 + 0.5 + 0.5 + 0.5 + 0.6 + 0.6 + 0.6 + 0.6 + 0.6 + 0.6 + 0.6 + 0.6 + 0.6 + 0.8 + 0.9 + 0. \(\sigma_1\) 0.7 \(\circ_1\) 0.8 \(\circ_1\) 0.7 \(\circ_1\) 0.8 \(\circ_1\) 0.7 \(\circ_1\) 0.8 \(\circ_1\) 0.7 \(\circ_1\) 0.8 \(\circ_1\) 0.9 \(\circ_1\) 0 7 0.7 10.8 11.0 11.3 11.5 11.9 12.3 12.6 12.9 13.1 13.3 13.5 13.6 70.8 °0.9 °1.0 °1.2 °1.5 °1.9 °2.3 °2.7 °3.3 °3.9 °4.3 °4.6 °4.7 °4.7 °4.7 °4.6 °4.3 °3.7 °3.2 °2.8 °2.5 °2.1 °1.7 °1.4 °1.1 °0.9 °0.8 √ °1.0 °1.0 ∱1.1 °1.3 °1.5 °1.7 °1.9 °2.2 °2.6 °3.0 °3.3 °3.7 °3.9 °4.1 °≰0 °3.9 °3.7 °3.3 °2.9 °2.5 °2.1 °1.8 °1.5 °1√3 °1.1 °0.∮ 70.9 1.0 1.1 1.2 1.3 1.5 1.6 1.8 2.0 2.3 2.6 2.9 3.1 3.3 3.5 3.5 3.4 3.2 2.9 2.6 2.3 1.9 1.6 1.4 /1.2 1.0 10.9 ***\bar{1} \tau_0.3 \ *1.0 *1.1 *1.2 *1.3 *1.4 *1.5 *1.6 *1.7 *1.8 *1.8 *1.9 *2.0 *2.2 *2.3 *2/4 *2.5 *2.5 *2.3 *2.2 *2.0 *1.8 *1.6 *1.4 *1/2 *1.1 *1.0 1.0 1.1 1.2 1.3 1.5 1.5 1.6 1.7 1.7 1.7 1.7 1.8 1.9 1.9 1.0 1.1 1.2 1.2 1.2 1.1 1.9 1.8 1.7 1.5 1.5 1.3 1.2 1.1 1.0 √0.9 1.0 1.1 1.3 1.4 1.5 1.6 1.6 1.7 1.7 1.7 1.7 1.7 1.8 1.8 1.8 1.9 2.0 2.0 1.9 1.8 1.7 1.6 1.5 1.3 1/2 1.4 1/1 *0.6 *0.7 *0.8 *0.8 *0.9 *1/0 *1.1 *1.2 *1.3 *1.4 *1.5 *1.6 *1.7 *1.8 *1.9 *2.0 *2.0 *1.∮ *1.8 *1.8 *1.7 *1.7 *1.7 *1.7 *1.7 *1.7 *1.6 *1.5 ↓ 5 *0.6 *0.7 *0.7 *0.8 *0.9 *1.0 *1.1 *1.1 *1.2 *1.4 *1.5 *1.7 *1.8 *1.9 *2.0 *2.1 *2.1 *2.0 *1.9 *1.8 *1.8 *1.7 *1.7 *1.7 *1.7 *1.7 *1.6 *1.5 5 *0.6 *0.6 *0.7 *0.8 *0.9 *0.9 *1.0 *1.1 *1.2 *1.4 *1.6 *1.8 *2.0 *2.1 *2.3 *2.4 *2.4 \$\frac{1}{2}.3 *2.2 *2.1 *1.9 *1.8 *1.8 *1.7 *1.7 *1.6 *1.5 5 *0.6 *0.6 *0.7 *0.8 *0.8 *0.9 *1.0 *1.1 *1.3 *1.5 *1.7 *2.0 *2.2 *2.5 *2.7 *2.9 *2.8 *2.6 *2.4 *2.3 *2.1 *2.0 *1.8 *1.7 *1.6 5 +0.5 +0.6 +0.7 +0.8 +0.8 +0.9 +1.1 +1.2 +1.4 +1.6 +2.0 +2.3 +2.6 +2.9 +3.1 +3.3 +3/4 +3.3 +3.2 +3.0 +2.7 +2.5 +2.2 +1.9 +1.7 +1.6 ~\(\frac{1}{2}\) \(\frac{1}{2}\) \(\frac{1}2\) \(\frac{1}{2}\) \(\frac{1}2\) \(\frac{1}2\) \(\frac{1}2\) \(\frac{1}2\) \(\frac 5 *0.5 *0.6 *0.7 *0.7 *0.8 *1.0 *1.1 *1.3 *1.5 *1.8 *2.2 *2.5 *2.9 *3.3 *3.6 *3.8 *3.9 *4.0 *3.8 *3.5 *3.2 *2.9 *2.5 *2.1 *1.9 *1.6 5 *0.5 *0.6 *0.6 *0.7 *0.9 *1.0 *1.2 *1.4 *1.7 *2.0 *2.4 *2.8 *3.2 *3.7 *4.1 *4.3 *4.4 *4.5 *4.3 *4.0 *3.6 *3.2 *2.8 *2.4 *2.0 *1.7 5 +0.5 +0.6 +0.6 +0.7 +0.9 +1.0 +1.2 +1.4 +1.7 +2.1 +2.5 +2.9 +3.4 +3.9 +4.5 +46 +4.7 +4.7 +4.6 +4.4 +4.0 +3.5 +3.0 +2.6 +2.2 5 70.5 *0.6 *0.6 *0.7 *0.8 *1.0 *1.2 *1.5 *1.8 *2.2 *2.6 *2.9 *3.4 *3.9 *4.5 *4.7 *4.7 *4.7 *4.7 *4.6 *4.3 *3.8 *3.2 *2.7 *2.3 5 0.5 0.6 0.6 0.6 0.7 0.8 1.0 1.2 1.4 1.8 2.1 2.5 2.8 3.2 3.6 4.1 4.5 4.6 4.6 4.6 4.6 4.4 3.9 3.3 2.8 2.3 5 *0.5 *0.6 *0.6 *0.7 *0.7 *0.9 *1.0 *1.3 *1.6 *1.9 *2.2 *2.4 *2.7 *3.0 *2.3 *3.4 *3.6 *3.6 *3.7 *3.7 *3.5 *3.2 *3.0 *2.6 5 *0.6 *0.6 *0.6 *0.7 *0.7 *0.8 *1.0 *1.1 *1.3 *1.6 *1.8 *2.2 *2.6 *3.4 *3.4 *3.4 *3.4 *3.3 *3.2 *2.9 *2.7 *2.5 *2.4 *2.2 5 *0.6 *0.6 *0.7 *0.7 *0.8 *0.9 *1.0 *1.2 *1.4 *1.6 *1.9 *2.3 *2.6 *2.9 *3.1 *2.3 *3.3 *3.2 *3.1 *2.6 *2.3 *2.2 *2.1 °0.1 *ø.1 *0.1 *0.0 *ø.0 *0.0 6 *0.7 *0.8 *0.9 *1.0 *1.2 *1.4 *1.6 *1.9 *2.1 *2.2 *2.3 *2.6 *3/0 *3.2 *3.3 *3.1 *2.8 *2.6 *2.2 *1.9 *1.6 *1.4 *1.2 7 '0.7 '0.8 '0.9 '1.1 '1.3 '1.6 | 1.9 '2.1 '2.4 '2.5 '2.6 '2.8 '3.1 '3.3 '3.4 '3.3 '3.2 | 3.0 '2.5 '2.1 '1.8 '1.6 '1.3 '1.2 | 1.0 '0.9 '0.8 '0.7 ** **O.1 **O.1 **O.1 **O.1 **O.0 **O 7 *07 *08 *1.0 *1.2 *1.5 *1/8 *2.2 *2.6 *2.9 *3.1 *3.4 *3.6 *3.7 *3.5 *3.5 *3.5 *3.4 *3.2 *3.0 *2.6 *2.4 *2.1 *1.9 *1.6 *1.3 *1.1 *0.9 *0.8 *0.7 *0.7 *0.6 *0.6 *0.6 *0.5 *0.5 *0.4 *0.4 *0.4 *0.4 *0.4 *0.3 *0.3 7 /0.7 *0.8 *1.0 *1.2 *1.5 /1.8 *2.2 *2.7 *3.0 *3.5 *4.0 *4.2 *4.2 *4.1 *3.9 *3.8 *5.6 *3.2 *2.9 *2.6 *2.3 *2.0 *1.7 *1.4 *1.2 *1.0/*0.9 *0.8 *0.7 *0.7 *0.6 *0.6 *0.5 *0.5 *0.5 *0.5 *0.5 *0.4 *0.4 *0.4 *0.4 *0.3 *0.3 *0.3 *0.3 *0.3 ***O1 ****O1 ***O1 ****O1 ****O1 ****O1 ****O1 ****O1 ****O1 ****O1 ****O1 **** *** Tol. **** Tol. ***** Tol. ***** Tol. ***** Tol. **** Tol. *** Tol. **** Tol. *** Tol. **** Tol. **** Tol. *** ***O.1 ***O.1 ***O.1 ****O.1 ***O.1 ***O.1 ***O.1 ***O.1 ***O.1 ***O.1 ***O.2 *

MCCALLARIOS ARCHITECTURE, PLLC 780 N. Watters Rd., Suite 100 Allen, TX 75013 972.294.3537 www.mccallarios.com

Δ SШ́

GREGORY YOUNG MD 1005 WEST RALPH HALL PARKWAY ROCKWALL, TEXAS 75032

CIVIL ENGINEER F C CUNY CORPORATION **#2 HORIZON COURT** SUITE 500 HEATH, TEXAS 75032 (469) 402-7700

MECHANICAL & PLUMBING **NOVA ENGINEERING** 2625 N. JOSEY LN. SUITE 112 CARROLTON, TEXAS 75007 (972) 323-7300

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Revisions:

Issue Date:

04.17.2015

Project No: 15023A

Sheet Title:

SITE PLAN **PHOTOMETRIC**

Sheet No:

CASE NUMBER: SP2015-01

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 ¾6″ 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

Optical Module: Precision, replaceable PicoEmitters are positioned to achieve directional control toward desired task. The entire EmitterDeck

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



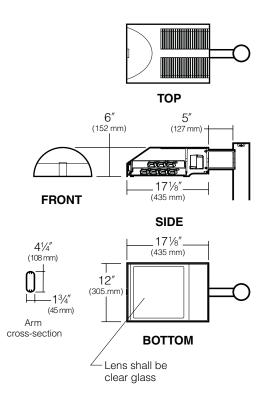
revised 11/21/14 • kim_sareled_spec.pdf

Type: **Approvals:** Job: Catalog number: Fixture Electrical Module Finish Options Optional See pages 3-4 Vertical Slipfitter Mount See page 2 See page4 Date: Select pole from Kim Arms and Poles Selection Guide. If pole is provided by others indicate O.D. for Page: 1 of 6

Specifications

SAR-LED

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



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

fastens to the housing as a one-piece module.

multi-level illumination options.

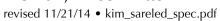
Warranty: Kim Lighting warrants The Archetype LED products ("Product(s)") sold by Kim Lighting to be free from defects in material and workmanship for (i) a period of five (5) years for metal parts, (ii) a period of ten (10) years for exterior housing paint finish(s), (iii) a period of six (6) years 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.



Patent Pending





Job: Page: 2 of 6



Standard Features

Mounting 3SY configuration is available for round poles only.	Plan View	: ■	-	₹				Wall Mount
	EPA: Cat. No.:	0.7 □ 1SA	1.4 □ 2SB	1.2 □ 2SL	1.9 □ 3ST	1.9 □ 3SY	2.5	□ 1W
Fixture Cat. No. designates fixture and optic	SAR Housing Size:	X		E35 = 3.	5		nt Distribut	
Flat Lens	D	3 = Type I 4 = Type I 5 = Type L = Type L	n: I Full Cutoff II Full Cutoff V Full Cutoff V Square Fu Left Full Cu R Right Full (ll Cutoff toff		Type II Type V Square	Type III Type R Right	Type IV Forward Throw Type L Left
Electrical Module	60L Source: 60L = 60 I Color Te 3K = 3(4K = 44) 5K = 55 2K = 56	ED's Emperatur OOOK 200K 100K 80nm - Am rent unavail	re:	tage: 20 = 120V 08 = 208V 40 = 240V 77 = 277V 47 = 347V ² 80 = 480V ²	drivers, specific	ration of these volta	ages may fea	ture an integral
Finish TGIC powder coat.	Cat. No.: 1 Custom o	BL Colors subj	ect to addi	Light Gray □ LG tional char color desc	Stealth Gray □ SG ges, minimu ription:	Platinum Silver □ PS m quantities an	□ WH id extende	Custom Color¹ □ CC d lead times.



Job: Page: 3 of 6



Optional Features

Wall Mounting Cat. No. ☐ 1W ☐ No Option Select from Mounting on page 2.	Fixture mounts to 3" or 4" junction boxes by a cast aluminum adapter plate with fixture mounting bolts. NOTE: 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. Wall mount using adapter plate 3" or 4" J-box in wall (by others)
Polycarbonate Lens Cat. No. Solution	Fixture supplied with a one-piece flat, clear, UV stabilized polycarbonate, fully gasketed, replacing the standard tempered glass lens. CAUTION: Use only when vandalism is anticipated to be high. Flat Lens
Tamper-Resistant Latch Cat. No. ☐ TL ☐ No Option	Standard die-cast latch is provided with a captive 10-32 stainless steel flat socket-head screw to prevent unauthorized opening. NOTE: Required only for vandal protection in locations where fixtures can be reached by unauthorized persons. Tamper-Resistant Latch
Horizontal Slipfitter Mount Cat. No. HSF No Option	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%" 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.
Vertical Slipfitter Mounts Cat. No. includes Mounting Cat. No. (See right) No Option	Allows fixture with standard support arm to be mounted to poles having a 2" pipe-size tenon (23%" O.D. x 4½" 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%" stainless steel set point allen screws, finished to match fixture and arm. NOTE: 3SY only available on round slipfitter. Cat. No. VSF-1SA VSF-2SB VSF-2SB VSF-2SL VSF-3ST VSF-3ST Stainless SVSF-2SB SVSF-2SB SVSF-2SB SVSF-3ST SVSF-3ST SVSF-3ST SVSF-3ST SVSF-4SC SVSF-4SC SVSF-4SC SVSF-4SC SVSF-4SC SVSF-4SC SVSF-4SC SVSF-4SC SVSF-4SC



revised 11/21/14 • kim_sareled_spec.pdf

Type:

Job: Page: 4 of 6



Standard & Optional Features

Neighbor Friendly Optic: Cat. No. NFO	Integrated Neighbor Friendly Optic on each PicoEmitter™ module to completely control unwanted backlight. Most effective with Type III and IV distibutions. TYPE III-NFO TYPE IV-NFO
Fusing Cat. No. (see right) No Option	Line Volts: 120V 208V 240V 277V 347V 480V Cat. No.: □ SF □ DF □ SF □ DF Single Fuse
0-10V Dimming Interface	0-10V Dimming Interface - Driver has 0-10V dimming interface with a range of 10-100%. Is capatible 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. Standard Input Black (+) White (-) Green (GND)
Photocell Receptacle Cat. No.	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
Photocell Control Cat. No. (See right) No Option	Fixture supplied with a fully gasketed button photocell within the electrical compartment. Cat. No. Line Volts: □ A-30 120V □ A-31 208V □ A-32 240V □ A-33 277V □ A-35 347V □ A-34 480V
NEMA Receptacle Cat. No. NEMA7 No Option	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.
Time Clock Relay Cat. No. TCR No Option	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.
Occupancy Sensor up to 16' Cat. No. SCL No Option	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.
Occupancy Sensor up to 30' Cat. No. SCH No Option	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.



Job: Page: 5 of 6

Optional Features

Round Pole-Mounted Occupancy Sensor up to 16' Cat. No. SCL-R No Option	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. Ordering Example: SCL-R4*/277**/BL*** *Pole Diameter, ** Voltage, *** Color
Square Pole-Mounted Occupancy Sensor up to 16' Cat. No. SCL-S No Option	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. Ordering Example: SCL-S277**/BL*** ** Voltage, *** Color
Round Pole-Mounted Occupancy Sensor up to 30' Cat. No. SCH-R No Option	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. Ordering Example: SCH-R4*/277**/BL*** *Pole Diameter, ** Voltage, *** Color
Square Pole-Mounted Occupancy Sensor up to 30' Cat. No. SCH-S No Option	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. Ordering Example: SCH-S/277**/BL*** **Voltage, *** Color
Wireless Control Cat. No. WIH-M No Option	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 http://www.hubbell-automation.com/products/wihubb_infixture_module/.
Wireless Control Cat. No. WSI-M No Option	Hubbell Building Automation's wiSCAPE TM 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.
Additional information on con	trols can be found at http://www.hubbelllighting.com/solutions/controls/



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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	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	B.U.G. Rating (TM15) in Lumens wher $B = Backlight$, $U = Uplight$, $G = Glare$							
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 to download the most current photometric files from Kim Lighting's IES File Library.For custom optics and color temperature configurations, contact factory.