

TYPE EH
074684 (IRON
RUST &
BLACK)-17258



PRODUCT CODE 074684

PROJECT

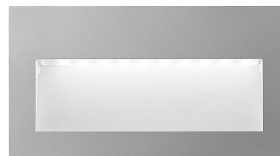
TYPE

ALUTECHRO



Part number	074684
Lampholder:	LED
Wattage (W):	11 W
Colour / RAL:	ANODIZED ALUMINUM - WHITE LED
Degree of protection:	IP 66
Kelvin:	3000
Optic:	ASIMMETRIC WIDE REFLECTOR
Luminaire lumen output:	396 lm
Lifetime:	35000 h
cULus:	□
Voltage:	120/277V

0-10V DIMMING

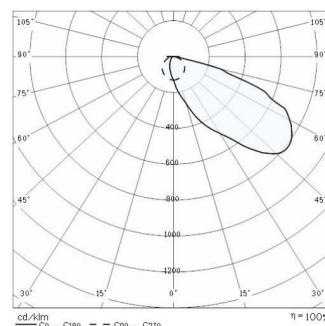


Description

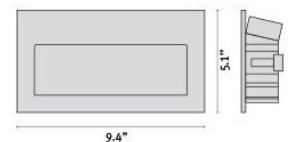
Series of Class I LED luminaires for recessed wall mounting.

- Housing in silver anodised aluminum.
- All versions are equipped with either white 3000 K or 4000 K LEDs.
- LED driver included.
- Fixtures provided complete with LED circuit.
- Colour rendering index CRI > 80.
- LED circuit designed in compliance with the current Lumen Maintenance (LM80) regulation, with reliable quality of light for a life up to 50,000 hours, corresponding to L70 Ta 25°C. Luminaire, driver and other components that differ from the LED circuit not included.
- IP 65 connector included.
- Supplied with 1 m long HORN-5 cable (different lengths available on demand).
- Recessed stainless steel housing to be ordered separately.
- Consult factory for custom colors.
- Consult factory for non-catalogued kelvin temps.

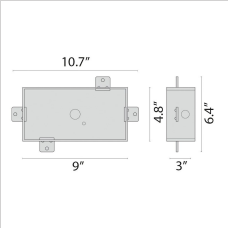
TECHNICAL DATA



TECHNICAL DRAWINGS



ALU TECH RO



076494
Recessed Alu RO

TYPE EH
074684 (IRON
RUST &
BLACK)-17258



PRODUCT CODE 074684

PROJECT

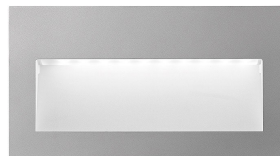
TYPE

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0-10V DIMMING

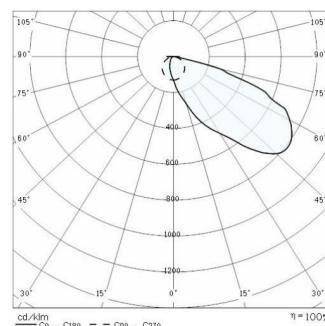


Description

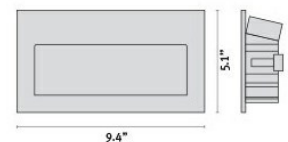
Series of Class I LED luminaires for recessed wall mounting.

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- Consult factory for custom colors.
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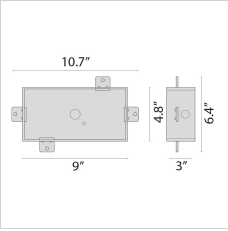
TECHNICAL DATA



TECHNICAL DRAWINGS



ALU TECH RO



076494
Recessed Alu RO

Shop Drawing Submittal Review

Transmitted To: Cannon Design

Date: January 17, 2017

Attention: stl-cac@cannondesign.com

Contact Person / WTA Field Inspector:
Patrick Garner

Project Name: Webster University-**ISB**

Reviewed by: Mark de la Fuente

Project No. WT 14127.01

☐

UPS

☐

Courier

☒

Email

Copies	No.	Description
1 PDF	265200E01A	(Submittal No.'s:) (R&B CxSRC)
		(Cannon #265200-006) - (Paric #15051-) - (WES #607)
		➤ Outdoor Lighting Final Fixture Package - Resubmittal
		EB, EC, ED, SA, EF36, EF42, EH, EL, and RQ

***Submittal Review Comments**

- 1. Refer to previous shop drawing submittals for previous shop drawing comments.**
- Type EC: See attached cutsheet for updated configuration.
- Type EF36/42: Provide Bronze finish.
- Type EL: Provide Black finish.
- Type RQ: Provide 277 volt configuration.

c: **Kelvin Patel**
Kpatel@cannondesign.com

☐ Furnish as Submitted

☒ ***Furnish as Noted**

☐ Rejected

☐ Revise & Resubmit

☐ Reviewed

☐

Corrections or comments made on shop drawings during this review do not relieve contractor from compliance with requirements of drawings and specifications. This check is only for review of general conformance with the design concept of project and general compliance with information given in contract documents. Contractor is responsible for: confirming and correlating all quantities and dimensions; selecting fabrication processes and techniques of construction; coordinating his work with that of all other trades; and performing his work in a safe and satisfactory manner.

14127.01 - 265200 E01A
RESUBMITTAL -
MAD TO REVIEW
01/11/17

WTASHOP - Webster ISB - 26 5200-006

From: STL-CAC <STL-CAC@CANNONDESIGN.COM>
To: 'Patrick Garner' <pgarner@wmtao.com>, "WTASHOP (WTASHOP@wmtao.com)" <WTA...>
Date: 1/11/2017 1:59 PM
Subject: Webster ISB - 26 5200-006
Cc: "Patel, Kelvin" <kpatel@CANNONDESIGN.COM>
Attachments: 265200-006 Outdoor lighting final fixture package.pdf

Attached for review.

Melissa Pirtle

CANNONDESIGN

1100 Clark Ave
St. Louis, Missouri 63102
T [314.425.8797](tel:314.425.8797)
cannondesign.com

SUBMITTAL IDENTIFICATION SHEET

To be completed by Contractor/CM

PROJECT NAME	
ADDRESS	
NUMBER	
OWNER	
ARCHITECT / ENGINEER	
SUBMITTED BY	
CONTRACTOR / CM SUBMITTAL NO.	CANNON DESIGN SUBMITTAL NO.
DRAWING / DETAIL REFERENCE	SPECIFICATION SECTION / PARAGRAPH
MANUFACTURER / SUPPLIER	ITEM / PRODUCT ID
REQUIRED DATE	PRIORITY
CRITICAL	☐

To be completed by Reviewer

CANNON DESIGN SUBMITTAL NUMBER
RECEIVED DATE

- ☐ **A. No Exceptions Taken**
No further review of submittal is required.
- ☐ **B. Make Corrections Noted**
Incorporate corrections in work;
resubmission is not required.
- ☐ **C. Revise and Resubmit**
Revise as noted, and resubmit for review.
- ☐ **D. Rejected**
Submittal is not in compliance with Contract Documents;
provide new submittal.
- ☐ **E. For Record / Information Only**
Submittal was reviewed for Record / Information
purposes only.
- ☐ **F. Not Required for Review**
Submittal is not required by Contract Documents
and has not been reviewed.

Review is for conformance with the design concept of this project and for general compliance with contract documents. Contractor is responsible for quantities, dimensions and compliance with contract documents and for information that pertains to fabrication processes, construction techniques and coordination of this work with all trades which will be affected thereby. This review is null and void if submittal deviates from contract documents and does not indicate or note deviations.

ITEM BEING SUBMITTED (check only one)

- ☐ Shop Drawings ☐ Certification / Qualifications ☐ Coordination Drawing
☐ Samples ☐ Record Documents ☐ Calculations
 (_____ copies) ☐ Product Data ☐ Schedules
☐ LEED Submittal ☐ O&M Manuals
☐ Other

ITEM BEING SUBMITTED FOR (check only one)

- ☐ Action ☐ Information Only ☐ Record

REMARKS OR DEVIATIONS

CONTRACTOR / CM CERTIFICATION
(SUBMITTALS NOT CERTIFIED WILL BE RETURNED WITHOUT REVIEW)



PARIC CORPORATION
SUBMITTAL STAMP

THIS SHOP DRAWING HAS BEEN REVIEWED BY PARIC CORPORATION

Subcontractor remains responsible for dimensions, quantities, coordination with other trades and compliance with contract documents.

Ry:

By: **Devin D. Gates**

REVIEWED BY	DATE

A/E COMMENTS

- ☐
- See attached sheet(s) for additional comments

REVIEWED BY	DATE

PERFORMANCE in LIGHTING

CATALOG	074684	TYPE	EH
PROJECT	Webster ISB	DATE	
COMMENTS		PREPARED BY	Villa Lighting

ALU TECH RO

CODE 074684

Series of Class I LED luminaires for recessed wall mounting.

Housing in silver anodised aluminum. COLORS BELOW

All versions are equipped with either white 3000 K or 4000 K LEDs.

LED driver included.

Fixtures provided complete with LED circuit.

Colour rendering index CRI > 80.

LED circuit designed in compliance with the current Lumen Maintenance (LM80) regulation, with reliable quality of light for a life up to 50,000 hours, corresponding to L70 Ta 25°C. Luminaire, driver and other components that differ from the LED circuit not included.

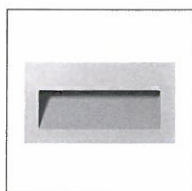
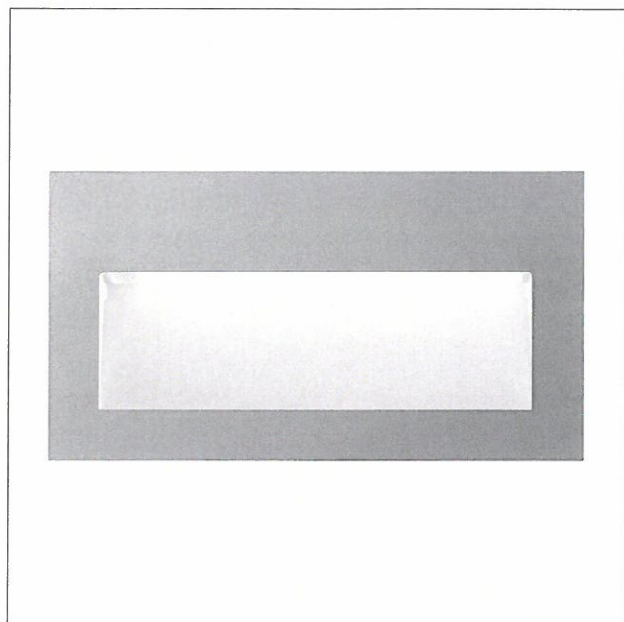
IP 65 connector included.

Supplied with 1 m long HORN-5 cable (different lengths available on demand).

Recessed stainless steel housing to be ordered separately.

Consult factory for custom colors.

Consult factory for non-catalogued kelvin temps.



BLACK AND "IRON RUST" - SEE ATTACHED.
DRAWING FOR LOCATIONS

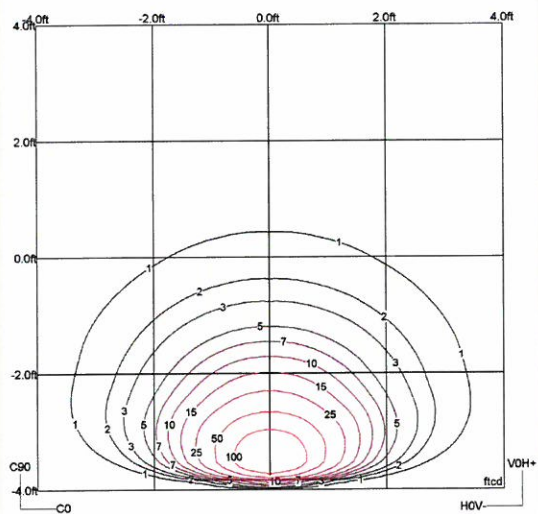
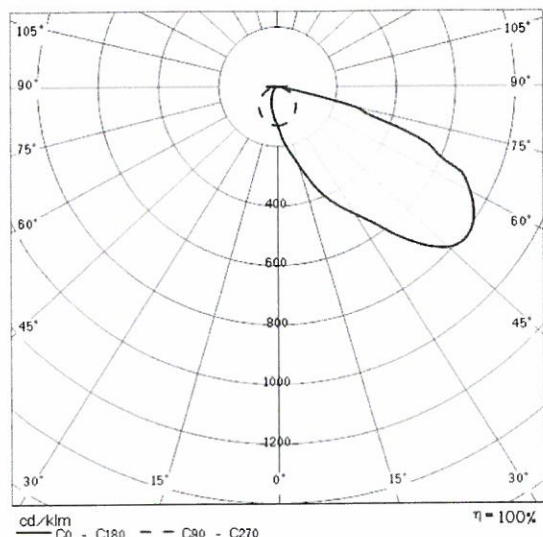
Code	socket	RLO	source	type	color	Kelvin	lifetime	voltage	IP
074684	LED	396	N. 1 LED - 11 w	LED	ANODIZED ALUMINUM - WHITE LED	3000	35000	120/277V	66

RLO: Real Lumen Output

UL FILE E326937	EPA TOP VIEW 0.000000	EPA LEFT VIEW 0.000000
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ALU TECH RO

CODE 074684



THE SEALS(S) AND SIGNATURE(S) APPLY ONLY TO THE DOCUMENT TO WHICH THEY ARE AFFIXED, AND EXPRESSLY DISCLAIM ANY RESPONSIBILITY FOR ALL OTHER PLANS, SPECIFICATIONS, ESTIMATES, REPORTS OR OTHER DOCUMENTS OR INSTRUMENTS RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE ARCHITECTURAL OR ENGINEERING PROJECT.



Webster University
Interdisciplinary Science
Building

CANNONDESIGN

1100 Clark Avenue
St. Louis, Missouri 63102
T: 314.241.6250
F: 314.241.2570

William Tao & Associates, Inc.
MEP/FP Engineer
7955 Manchester Road, Suite 125
St. Louis, MO 63143
314-884-7600

David Mason & Associates, Inc.
Structural & Civil Engineer
800 South Vandeventer Avenue
St. Louis, MO 63110
314.534.1053

Faith Group
Technology
3101 S. Hanley Rd, Suite 100
St. Louis, MO 63143
314.591.2225

Kuhlmann Leavitt, Inc.
Environmental Graphics & Signage
7400 Pershing Ave
St. Louis, MO 63130
314.725.6616

KWA Architects
Architecture
8721 Litzinger Road
St. Louis, MO 63124
314.962.2560

Spellman Brady & Company
Interior Designer
8251 Maryland Avenue, Suite 300
St. Louis, MO 63105
314.862.0070

SWT Design
Landscape Architect
7722 Big Bend Blvd
St. Louis, MO 63119
314.644.5700

Webb Engineering Services, Inc.
Plumbing & Fire Protection
1400 S. 3rd Street, Suite 201
St. Louis, MO 63104
314.588.0600

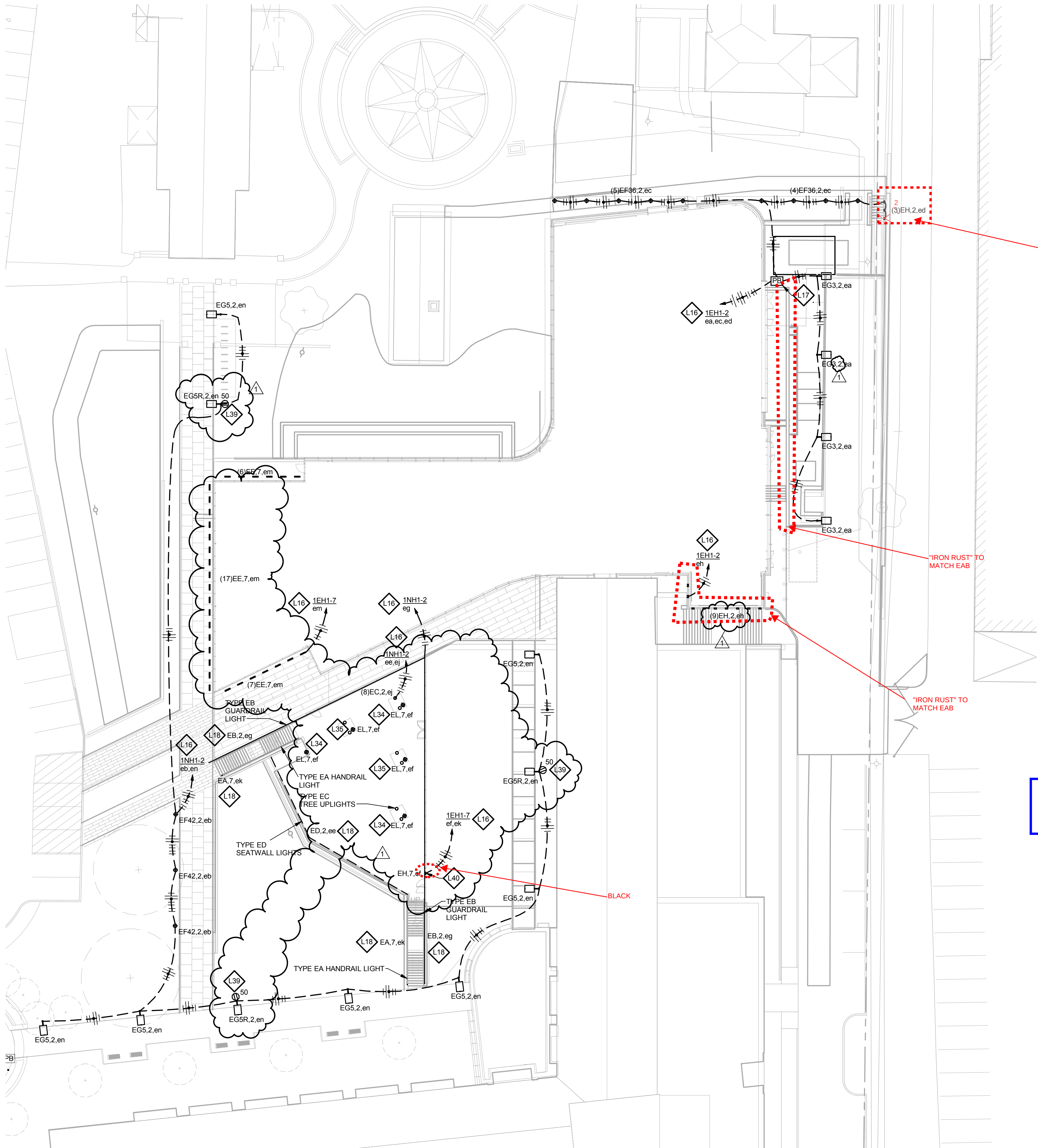
GENERAL NOTES:

- A. DO NOT SCALE DRAWINGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR LOCATION AND ORIENTATION OF DEVICES. WHERE LOCATIONS ARE NOT INDICATED ON ARCHITECTURAL DRAWINGS, COORDINATE LOCATION AND ORIENTATION OF DEVICES IN FIELD WITH ARCHITECT PRIOR TO ROUGH-IN.
- B. CONTRACTOR SHALL VISIT PRIOR TO BID SUBMITTALS TO DETERMINE SITE CONDITIONS EFFECTING THE EXECUTION OF WORK. FAILURE TO BE ACQUAINTED WITH EXISTING CONDITIONS WILL NOT BE JUSTIFICATION FOR ADDITIONAL SERVICES.
- C. PROVIDE FACE PLATES ON ALL J-BOXES ABANDONED IN FINISHED FLOOR, WALL OR CEILINGS. COORDINATE COLOR AND FINISH WITH ARCHITECT. CONTRACTOR TO VERIFY QUANTITY IN THE FIELD.
- D. WHERE EXPOSED CONDUIT IS NOTED, CONTRACTOR SHALL IDENTIFY ROUTING IN FIELD AND OBTAIN ARCHITECT'S APPROVAL OF ROUTING PRIOR TO ROUGH-IN. EXPOSED CONDUIT SHALL BE ROUTED TIGHT TO STRUCTURE.
- E. MINIMUM 0-10V CONTROL WIRE SIZE SHALL BE #16 (#16 FOR RUNS LONGER THAN 400').
- F. ALL SINGLE PHASE BRANCH CIRCUITS SHOWN WITH COMMON NEUTRAL SHALL HAVE INDIVIDUAL 20A-1P CIRCUIT BREAKER. CONTRACTOR TO PROVIDE HANDLE TIES TO MEET NEC SECTION 210.4 MULTI-WIRE BRANCH CIRCUIT REQUIREMENTS. REFER TO DRAWINGS FOR CIRCUITS WITH DEDICATED NEUTRALS.
- G. SHADED FIXTURES AND FIXTURES NOTED WITH AN "E" ARE FOR EMERGENCY EGRESS. CONNECT FIXTURES TO LIFE SAFETY PANEL 1EH1 UNLESS OTHERWISE NOTED.
- H. FIXTURES NOTED WITH "NL" ARE UN-SWITCHED NIGHT LIGHTS AND SHALL BE LEFT ON AFTER HOURS FOR WAY FINDING.
- I. ALL EXTERIOR LIGHTING SHALL BE CONNECTED TO THE BUILDING AUTOMATION LIGHTING CONTROL SYSTEM.
- J. CONTRACTOR AND LIGHTING CONTROL SYSTEM PROGRAMMER SHALL ADJUST EXTERIOR LIGHTING DIMMING LEVELS. COORDINATE AND ATTEND MEETING WITH ARCHITECT AND ENGINEER AFTER DARK, AT A MUTUALLY AGREED UPON TIME, TO MAKE ADJUSTMENTS.

KEYED NOTES

- L16 ROUTE CIRCUIT(S) VIA LIGHTING CONTROL SYSTEM. FOR EACH DIMMABLE SWITCH LEG, PROVIDE BOTH POWER AND CONTROL WIRING TO FIXTURES.
- L17 PROVIDE QUARTZITE 22,500 LB. RATED, POLYMER CONCRETE 13"x24"Wx18"D HANDHOLE PER 24" HORIZONTAL CODE WITH PG 324B (150X) OR APPROVED EQUIVA.
- L18 LOCATE REMOTE DRIVERS WITHIN BUILDING ABOVE ACCESSIBLE CEILING OR IN ELECTRICAL CLOSET. COORDINATE LOCATION WITH ENGINEER PRIOR TO ROUGH-IN. WIRING SHALL NOT EXCEED MANUFACTURER'S REMOTING DISTANCE LIMITATION.
- L34 CONNECT BOLLARD GFCI RECEPTACLE TO PANEL 1NL1 CIRCUIT 46.
- L35 CONNECT BOLLARD GFCI RECEPTACLE TO PANEL 1NL1 CIRCUIT 48.
- L39 CONNECT LIGHTING POLE GFCI RECEPTACLE TO PANEL 1NL1 CIRCUIT 50.
- L40 PROVIDE BLACK FINISH ON TYPE EH AT THIS LOCATION. LOCATE 24" AFF.

FIXTURE TYPE EH COLORS



ELECTRICAL SITE PLAN

1" = 20'-0"

1	ASI-001	08 JULY 2016
2	ISSUED FOR CONSTRUCTION (BP2)	01 MAR 2016
No.	Description	Date

Drawing Title:

ELECTRICAL SITE PLAN

Project No.: 04561.01

Checked by:

E0001

© Cannon Design 2015

Shop Drawing Submittal Review

Transmitted To: Cannon Design

Date: July 6, 2016

Attention: stl-cac@cannondesign.com

Contact Person / WTA Field Inspector:
Patrick Garner

Project Name: Webster University-**ISB**

Reviewed by: Mark de la Fuente

Project No. WT 14127.01

☐

UPS

☐

Courier

☒

Email

Copies	No.	Description
1 PDF	265200E01	(Submittal No. 265200-004) – Outdoor Lighting

Submittal Review Comments

- **Coordinate all finishes with architect.**
- **Type CD: Provide "W825" configuration.**
- **Type EF36/42: Coordinate orientation with path.**
- **Type EH: Provide recessed backbox as required for concrete pour.**

c: **Kelvin Patel**
Kpatel@cannondesign.com

☐ Furnish as Submitted

☒ ***Furnish as Noted**

☐ Rejected

☐ Revise & Resubmit

☐ Reviewed

☐

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WTASHOP - Webster ISB - 26 5200-004

From: STL-CAC <STL-CAC@CANNONDESIGN.COM>
To: 'Patrick Garner' <pgarner@wmtao.com>, WTASHOP <wtashop@wmtao.com>
Date: 6/21/2016 4:02 PM
Subject: Webster ISB - 26 5200-004
Cc: "Patel, Kelvin" <kpatel@CANNONDESIGN.COM>, "Grossman, Lynn" <lgrossman@C...>
Attachments: 265200-004 Outdoor Lighting Product Data 2.pdf

Attached for review.

Melissa Pirtle
Construction Admin

CANNONDESIGN

1100 Clark Ave
St. Louis, Missouri 63102
T [314.425.8797](tel:314.425.8797) • M
cannondesign.com



77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0099

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 06/21/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: Outdoor Lighting Product Data 2

ATTN: Kelvin Patel

JOB: 15051

WE ARE SENDING:	SUBMITTED FOR:	ACTION TAKEN:
☐ Shop Drawings	☒ Approval	☐ Approved as Submitted
☐ Letter	☐ Your Use	☐ Approved as Noted
☐ Prints	☐ As Requested	☐ Returned After Loan
☐ Change Order	☐ Review and Comment	☐ Resubmit
☐ Plans		☐ Submit
☐ Samples	SENT VIA:	☐ Returned
☐ Specifications	☐ Attached	☐ Returned for Corrections
☒ Other: Product Data	☐ Separate Cover Via:	☐ Due Date:

Item	Package	Code	Rev.	Copies	Date	Description	Status
Submittal		265200-004	1		06/21/2016	Outdoor Lighting Product Data 2	Submitted

NOTES:

CC: Paric Corporation, Kathy Bathe

Project Coordinator: Paric Corporation, Kathy Bathe

Signed: _____
Devin Gates