

D

C

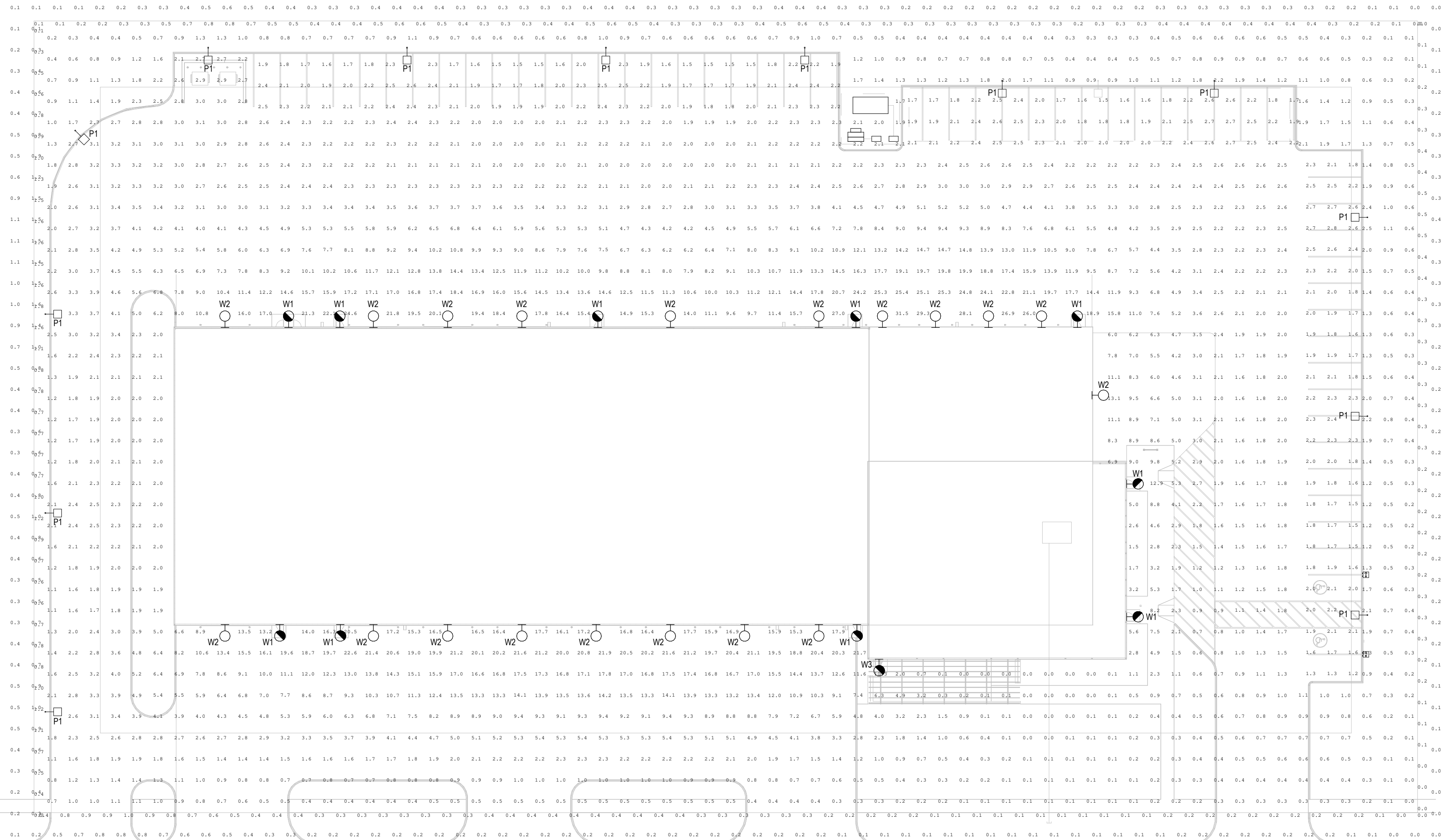
B

A

8/11/2025 12:30:06 PM

Luminaire Schedule						
Tag	Label	Description	LF	Luminaire	Luminaire	Total
				Watts	Watts	
W1	OSKI LED P3 30R 80CRI T4M 8S	OSKI LED P3 30R 80CRI T4M 8S	1-000	10000	1021372	1021343
W2	OSKI LED P4 30R 80CRI T2M	OSKI LED P4 30R 80CRI T2M	1-000	4000	4413399	4413399
W3	OSKI LED P4 30R 80CRI T3 40R	OSKI LED P4 30R 80CRI T3 40R	1-000	22249	159131	159131
W3	BLD 121R SW 40R DP	BLD 121R SW 40R DP	1-000	476	6149	6149

Calculation Summary									
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min		
EAST PARKING	Illuminance	FC	2.03	2.8	1.2	1.86	2.33		
EAST PROP LINE	Illuminance	FC	2.24	3.5	0.0	N/A	N/A		
NORTH PROP LINE	Illuminance	FC	4.39	26.3	0.0	N/A	N/A		
NORTH PARKING 1	Illuminance	FC	2.02	2.8	1.3	1.55	1.92		
NORTH PARKING 2	Illuminance	FC	2.14	2.9	1.3	1.65	1.92		
NORTH PROP LINE	Illuminance	FC	0.38	0.8	0.0	N/A	N/A		
SOUTH PROP LINE	Illuminance	FC	0.17	1.6	0.0	N/A	N/A		
WEST PROP LINE	Illuminance	FC	0.30	1.0	0.0	N/A	N/A		
WEST PROP LINE	Illuminance	FC	0.91	1.8	0.1	9.10	18.00		



1 ELECTRICAL SITE PHOTOMETRIC PLAN - INITIAL
SCALE: 1"=30'-0"



322 1st Ave N, Suite #600
Minneapolis, MN 55401
phone 612.746.4260
facsimile 612.746.4754
www.jlgarchitects.com
copyright © 2018



REVISION SCHEDULE		
NO.	DESCRIPTION	DATE

PRELIMINARY
NOT FOR CONSTRUCTION

CITY OF BLOOMINGTON
FLEET REPAIR FACILITY
BLOOMINGTON, MN

DATE
10/29/24

PHASE
DESIGN
DEVELOPMENT

PROJECT
5015.0000

SHEET
SP001
ELECTRICAL SITE
PHOTOMETRIC PLAN
- INITIAL

D

C

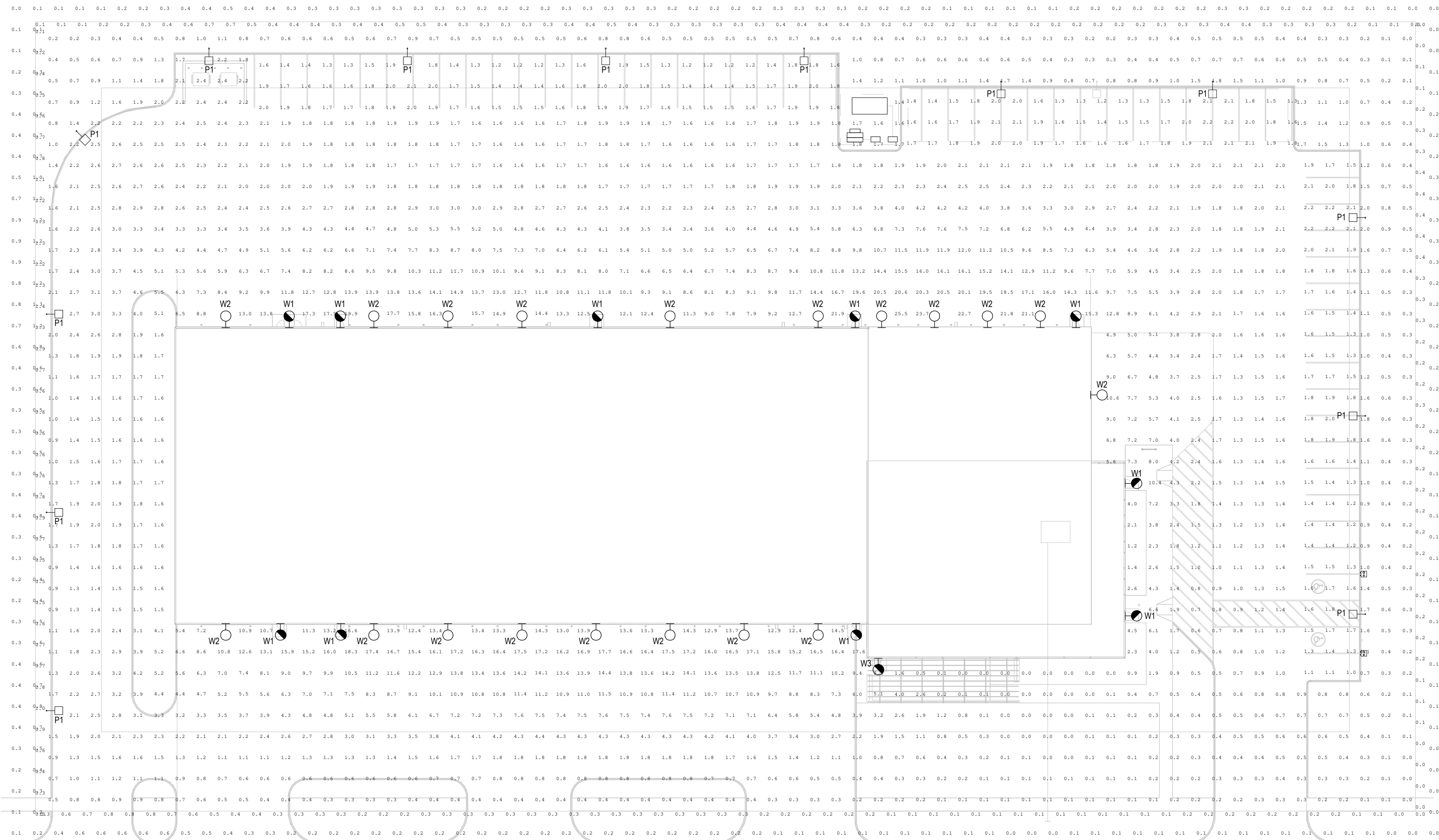
B

A

8/11/2025 12:30:07 PM

Luminaire Schedule						
Tag	Label	Description	WAP	Luminaire Catalog	Luminaire Watts	Total Watts
P1	DSW1 LAMP P1 10W R00R1 74W HS	DSW1 LAMP P1 10W R00R1 74W HS	0.810	10446	100-1101	1328-1445
W1	W00R1 LAMP P1 10W R00R1 74W HS	W00R1 LAMP P1 10W R00R1 74W HS	0.810	10446	44-4455	444-445
W2	W00R1 LAMP P1 10W R00R1 74W HS	W00R1 LAMP P1 10W R00R1 74W HS	0.810	22219	150-151	3050-15
W3	W00R1 LAMP P1 10W R00R1 74W HS	W00R1 LAMP P1 10W R00R1 74W HS	0.810	418	6-40	6-40

Calculation Summary						
Label	CalcType	Units	Req	Max	Min	Req/Min
EXIST PARKING	Illuminance	FO	1.00	1.00	1.00	1.00
EXIST PROP LINE	Illuminance	FO	1.00	1.00	1.00	1.00
INSIDE PROP LINE	Illuminance	FO	1.00	1.00	1.00	1.00
NORTH PARKING 1	Illuminance	FO	1.00	1.00	1.00	1.00
NORTH PARKING 2	Illuminance	FO	1.00	1.00	1.00	1.00
NORTH PROP LINE	Illuminance	FO	1.00	1.00	1.00	1.00
OUTSIDE PROP LINE	Illuminance	FO	1.00	1.00	1.00	1.00
WEST PROP LINE	Illuminance	FO	1.00	1.00	1.00	1.00



1 ELECTRICAL SITE PHOTOMETRIC PLAN - MAINTAINED
SCALE: 1" = 30'-0"



322 1st Ave N, Suite #600
Minneapolis, MN 55401
phone 612.746.4260
facsimile 612.746.4754
www.jlgarchitects.com
copyright © 2018

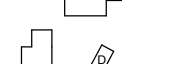
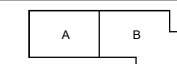


Emanuelson-Podas, Inc.
10000 Lake Blvd
Edina, MN 55425
612.552.0201 / www.epc.com

REVISION SCHEDULE		
NO.	DESCRIPTION	DATE

PRELIMINARY
NOT FOR CONSTRUCTION

CITY OF BLOOMINGTON
FLEET REPAIR FACILITY
BLOOMINGTON, MN



DATE

10/29/24

PHASE

DESIGN

DEVELOPMENT

PROJECT

5015.0000

SHEET

SP002

ELECTRICAL SITE
PHOTOMETRIC PLAN
- MAINTAINED

D

C

B

A

8/11/2025 12:39:07 PM



BLADE BLD

Vandal Resistant
BLD LED

Fixture Type	Date
Job Name	Approved By
Catalog Number	

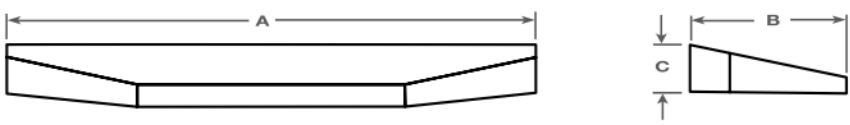


SPECIFICATIONS

Description	The Blade BLDcombines a sleek, patent pending design shaped with high performance, full cut off optics to achieve unobtrusive illumination of a space or path of egress. When mounted over a doorway or mullion, the fixture is perceived as an element of the building structure, and, additionally, provides water protection in the form of a drip cap over the entranceway. Multiple lengths are available to match a given door opening and our quick-mount system facilitates installation and maintenance.
Housing	Marine grade heat treated extruded aluminum. Chemically primed and finished with robotically applied polyester powder coat.
Wall Mount	Marine grade heat treated extruded aluminum. Chemically primed and finished with robotically applied polyester powder coat. Designed to provide quick mounting to housing and secured with (2) captive stainless steel TORX® head screws.
Lens Frame	Marine grade heat treated extruded aluminum. Secured to fixture (4) captive stainless steel TORX® head screws.
Lens	Extruded UV stabilized opal polycarbonate with integral prisms. Maximum wall thickness 0.160". Secured to housing with die cast aluminum clamps and stainless steel TORX® head screws.
End Plate	Die-cast marine grade aluminum. Chemically primed and finished with robotically applied polyester powder coat.
Drivers	Dimming to 1%, 10% or Programmable Lumen Output driver options. Non-Dimming Driver is also available.
LED	Samsung LM561B+ series @ 2700K, 3000K, 3500K, 4000K, or 5000K and 82 CRI wired in parallel-series. L70 projected life of over 130,000 hours at 50°C.
Gaskets	Closed cell self-adhesive neoprene to provide watertight seal between fixture and mounting surface.
UL Listing	U.L., C.U.L. Wet Location Listing standard.
Government Procurement	BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations. BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act. Please refer to www.acuitybrands.com/buy-american for additional information.
Warranty	Lifetime warranty, Luminaire LED incorporated will repair or replace any fixture damaged due to vandalism for the lifetime of the installation. 10-year warranty on LED boards against operational defects. Tested in accordance with LM-80. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed.
Note	Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. The product images shown are for illustration purposes only and may not be an exact representation of the product. Specifications subject to change without notice.

DIMENSIONAL DATA

	A	B	C
BLD12	20.0"	5.6"	2.4"
BLD24	30.8"	5.6"	2.4"
BLD36	41.6"	5.6"	2.4"
BLD48	52.4"	5.6"	2.4"
BLD72	74.0"	5.6"	2.4"



One Lithonia Way, Conyers GA 30012 | 1.800.705.SERV (7378) | www.luminairered.net
© 2020-2024 Acuity Brands Lighting, Inc. All rights reserved.

LUMINAIRE-LED-BLADE-BLD-LED
Rev. 03/26/24
Page 1 of 5

BLADE BLD

Vandal Resistant
BLD LED

ORDERING INFORMATION

Example: BLD 48IN MINI 35W 27K 120 CLP WHT

Series*	Size (Nominal)**	Drivers*	Dual Drivers	Wattage (Nominal)†	Lumens (For PRD Only)
BLD Mullion Mountable Vandal Resistant Full Cut-off Path of Egress Luminaires	12IN ^{1,2} 24IN ^{4,5,6} 36IN ⁷ 48IN ⁸ 72IN	MIN1 Dimming to 1% MIN10 Dimming to 10% NODIM Non-Dimming Driver PRD Driver Programmed to Specific Lumen Output Consult Factory PRD not available with Wattage PRD standard is 10% dimming at 1%	2DRV ^{11,12} Two LED drivers for independent LED board operations.	5W 20W 55W 10W 30W 15W 35W Required for all drivers except PRD driver	200LM - 6300LM - Lumens available in 100LM increments Lumens required if PRD driver chosen

CGT*	Wattage*	Lens*	Finish*
27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	120 120 Volt 277 277 Volt MVOLT 120-277 Volt 347 ^{11,12} 347 Volt	DP Diffused Polycarbonate	BLK Black WHT White BRZ Bronze GRY Gray SIL Silver CUST Custom Color, Consult Factory RALBDO Ral Paint Finishes RALTBD for pricing only. Replace with applicable RAL call out when ready to order. See the RAL BROCHURE for available options

*Required

OPTIONS

Emergency **		
EMBS310	Self contained, 90 minute emergency battery pack. 0°C (32°F) to 55°C (131°F). 1000 lumens.	EMB2DR ^{13,14} Remote mounted micro inverter that will operate a 25W maximum load for 90 min. 0°C (32°F) to 45°C (113°F).
EMBS10ST	Self-testing, self contained, 90 minute emergency battery pack. 0°C (32°F) to 55°C (131°F) Meets CA Title 20 Standards. 1000 lumens	EMB12SR ¹⁴ Remote inverter that will operate a maximum 125W load for 90 min. 20°C (68°F) to 30°C (86°F)
EMBS10T20	Self contained, 90 minute emergency battery pack. 0°C (32°F) to 55°C (131°F). Meets CA Title 20 standards. 1000 lumens	EMB25DR ¹⁴ Remote inverter that will operate a 250W maximum load for 90 min. 20°C (68°F) to 30°C (86°F)
EMBS10ST	Self-testing, self contained, 90 minute emergency battery pack. 0°C (32°F) to 55°C (131°F) Meets CA Title 20 Standards. 1000 lumens	
EMBDA ^{15,16}	Two drivers and two emergency battery packs self-contained within fixture for independent light engine operation. Each battery pack will operate each light engine for a minimum of 90 minutes	

Knockout	Fusing	Photocell	Sensors	Hardware
K02 Optional mouse hole in both end caps for accessing 1/2" knockout	GLR ¹⁷ Fuse and Fuse Holder	PC ^{11,17} Photoelectric Switch	PR ¹⁸ Passive Infrared Occupancy Sensor/Daylight Harvesting Photocell. Maximum coverage 10' radius from 8' height. PIR50 ^{13,18,19} Passive Infrared Occupancy Sensor/Daylight Harvesting Photocell. Maximum coverage 10' radius from 8' height. 50% of LED's constantly on and 50% sensed on/off <i>RCRHC required for Field Adjustable Settings</i>	PHSC Phillips Head instead of TORX® head

Ordering Notes

- See Size and Wattage Chart
- Not available with EMBS10ST, EMBS310, EMBS10ST, or EMBS10T20
- 12IN with MINI or PRD; Not available with PRD
- Not available with MINI or PRD and EMBS10ST, EMBS310, EMBS10ST, or EMBS10T20
- Not available with 2DRV and PRD or PIR50
- Not available with PRD or PIR50 and EMBS10ST, EMBS310, EMBS10ST, or EMBS10T20
- 36IN with MINI or PRD; Not available with 2DRV and EMBS10ST, EMBS310, EMBS10ST, or EMBS10T20
- 48IN with MINI or PRD; Not available with 2DRV and PRD or PIR50 and EMBS10ST, EMBS310, EMBS10ST, or EMBS10T20
- Not available with 12IN
- 24IN with 2DRV; Not available with EMBS10ST, EMBS310, EMBS10ST, or EMBS10T20
- Not available with PRD or PIR50
- Not available in 24IN with 2DRV
- Not available with 347
- Only available in 72IN
- Not available with Wattage or 25W or PRD
- Not available with MVOLT
- Not available with MVOLT or 347
- Not available with EMB2DR, EMB12SR, EMB25DR
- Must include 2DRV



One Lithonia Way, Conyers GA 30012 | 1.800.705.SERV (7378) | www.luminairered.net
© 2020-2024 Acuity Brands Lighting, Inc. All rights reserved.

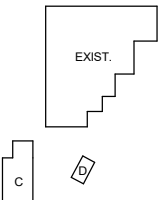
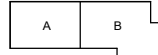
LUMINAIRE-LED-BLADE-BLD-LED
Rev. 03/26/24
Page 2 of 5

Accessories: Order as separate catalog number

TXSD	TORX® Screwdriver Bit Initial shipment includes one (1) TXSD per fixture
RCRHC	Remote Control for Field Adjustable Sensor Settings One (1) RCRHC per Job for PIR/PIR50 Sensor. Optional

PRELIMINARY
NOT FOR CONSTRUCTION

CITY OF BLOOMINGTON
FLEET REPAIR FACILITY
BLOOMINGTON, MN



DATE

10/29/24

PHASE

DESIGN
DEVELOPMENT

PROJECT

5015.0000

SHEET

SP004

ELECTRICAL SITE
LIGHTING
CUTSHEETS Copy 1



322 1st Ave N, Suite #600
Minneapolis, MN 55401
phone 6 1 2 7 4 6 4 2 6 0
facsimile 6 1 2 7 4 6 4 7 5 4
www.jlgarchitects.com
copyright © 2018



emanuelson-podas
consulting engineers

Emanuelson-Podas, Inc.
1075 East Lake Road
Edina, MN 55449
612/926-0201 | www.epc.com

REVISION SCHEDULE

NO.	DESCRIPTION	DATE
-----	-------------	------