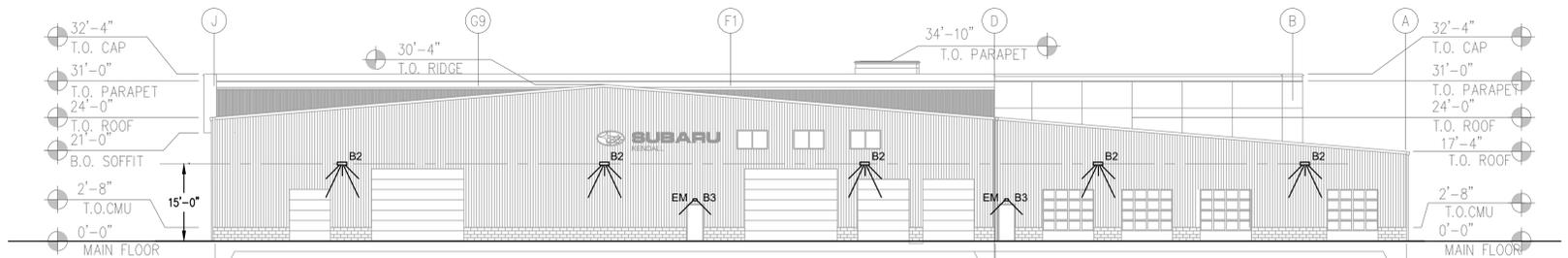
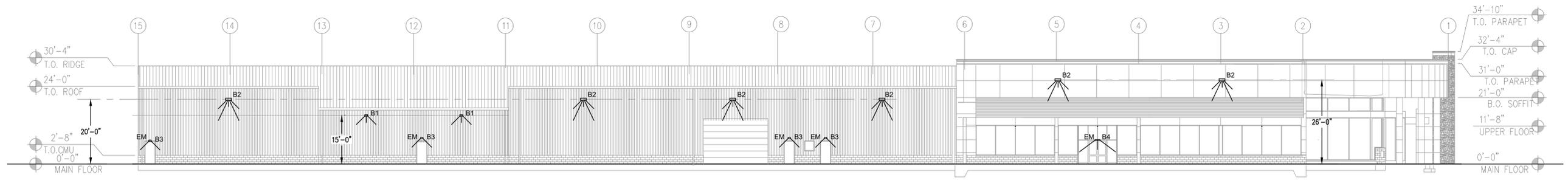


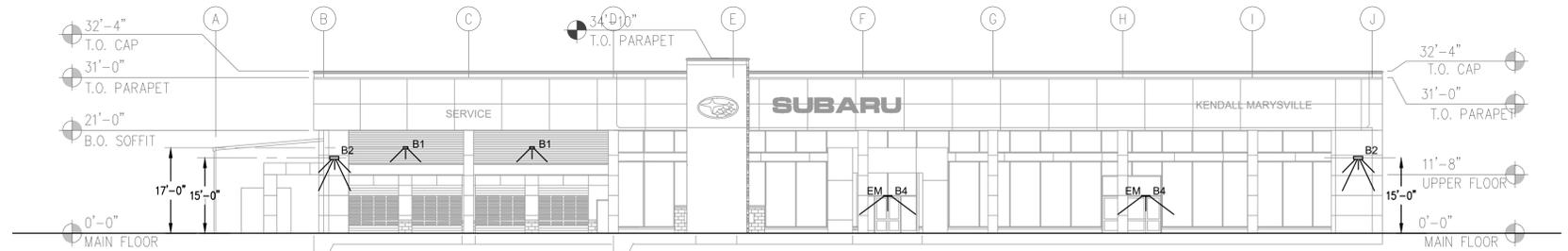
**SOUTH ELEVATION**



**EAST ELEVATION**



**NORTH ELEVATION**



**WEST ELEVATION**

**RENSCH ENGINEERING**  
 MECHANICAL AND ELECTRICAL BUILDING DESIGN  
 office: 360-863-6677  
 1111 AVE. C, SUITE 104  
 SNOHOMISH, WA 98290  
 fax: 360-863-3585



PROJECT  
 NEW AUTO DEALERSHIP  
**KENDALL SUBARU** SITE LIGHTING  
 SMOKEY POINT BLVD.  
 MARYSVILLE, WASHINGTON 98223

REVISIONS


DATE: 08/03/2022  
 SHEET TITLE:

ELECTRICAL LIGHTING ELEVATIONS

PERMIT SET

DRAWN BY: Yumi Roth  
 DESIGNER: Yumi Roth  
 CHECKED BY: Tim Carr  
 SHEET:

**E1.11**

8/2/2022 4:48 PM  
 E1.02 ELECTRICAL LIGHTING ELEVATIONS.DWG

E:\03 SITE LIGHTING SCHEDULES.DWG 8/2/2022 4:48 PM

LIGHTING FIXTURE SCHEDULE											
Type	Description	Manufacturer	Model #	Color Temp	Lamp	Shield	Voltage	Watts	Lumen	BUG	Notes
<b>Exterior Site Lighting Equipment</b>											
S-1	LED single Head Parking Pole Light w/ Pole. Tot Ht: 20ft; Type 4 dist & Backlight control	Lithonia	DSX1 LED P2 30K T4M BLC MVOLT PIRH1FC3V	3000k	Integrated LED	YES	UNIV	70	6,770	2 0 2	total pole height: 20ft Provide PE Cell & Motion Sensor
S-2	LED single Head Parking Pole Light w/ Pole. Tot Ht: 25ft; Type 4 dist	Lithonia	DSX1 LED P3 30K T4M MVOLT PIRH1FC3V	3000k	Integrated LED	NO	UNIV	102	11,426	2 0 3	total pole height: 25ft Provide PE Cell & Motion Sensor
S-3	LED single Head Parking Pole Light w/ Pole. Tot Ht: 25ft; Type 4 dist	Lithonia	DSX2 LED P2 30K T4M MVOLT PIRH1FC3V	3000k	Integrated LED	NO	UNV	185	21,857	3 0 4	total pole height: 25ft Provide PE Cell & Motion Sensor
S-4	LED single Head Parking Pole Light w/ Pole. Tot Ht: 20ft; Type 4 dist & Backlight control	Lithonia	DSX1 LED P3 30K BLC MVOLT PIRH1FC3V	3000k	Integrated LED	YES	UNV	102	9570	1 0 2	total pole height: 20ft Provide PE Cell & Motion Sensor
B-1	LED Building Light	Lithonia	DSXW1 LED 10C 1000 30K T4M MVOLT	3000k	Integrated LED	NO	UNV	39	3534	1 0 2	Control via Timeclock and Building Mounted PE Cell
B-2	LED Building Light	Lithonia	DSXW2 LED 20C 1000 30K T4M MVOLT	3000k	Integrated LED	NO	UNV	73	7076	1 0 2	Control via Timeclock and Building Mounted PE Cell
B-3	LED Building Light @ Doors (1,163 LM)	Lithonia	WDGE1LED P1 30K 90CRI VW MVOLT E4WH	3000k	Integrated LED	NO	UNV	10	1163	0 0 0	with Emergency Backup
B-4	LED Mullion Storefront Door Light	Signtex	MUE BB 20 W DG SD	3000k	Integrated LED	NO	UNV	20			Normally ON
CITY-1	LED Decorative Street Light Type 3 dist. per EDDS 3-506-002 (See below)	Cyclone	Majesta #C012P1A	4000K	Integrated LED	--	UNV	120	10458	2 3 3	See Standard Plan 3-506-002 below for more details.

**GENERAL NOTES**

- ALL FINISH/COLOR BY OTHERS
- CONFIRM ALL FIXTURE TYPES WITH ARCHITECT AND ENSURE FIXTURES INSTALLED DO NOT EXCEED INPUT WATTS INDICATED.
- EC SHALL BE RESPONSIBLE TO INSTALL ALL CONTROL COMPONENTS AND WIRING PER MANUF'S REQUIREMENTS. SEE LIGHTING CONTROL REQUIREMENT.
- PROVIDE CONNECTIONS AND ACCESSORIES AS NEEDED.
- PROVIDE MATCHING POLE AND MOUNTING HARDWARE. POLE STYLE SHALL BE APPROVE BY OWNER.

EXTERIOR LIGHTING CONTROL			
CODE 2018 WSEC C405.2.6			
section	Title	How achieved (1)	Control Function Required
C405.2.6.1	Daylight Shutoff	via Pole Mounted Motion/Ambient Sensor (PIRH1FC3V)	configured to automaticall turn OFF when daylight is present and satisfies the lighting needs.
C405.2.6.3	Lighting Setback	via Pole Mounted Motion/Ambient Sensor (PIRH1FC3V)	Wattage to automatically reduce by no less than 30% during any period when no activity has been detected for 15 minutes or more.

**GENERAL NOTES**

- SEE LIGHTING FIXTURE SCHEDULE
- EC SHALL BE RESPONSIBLE TO INSTALL ALL CONTROL COMPONENTS AND WIRING PER MANUF'S REQUIREMENTS. SEE LIGHTING CONTROL REQUIREMENT.

**DECORATIVE STREET LIGHT STANDARD AND BASE DETAIL**

DECORATIVE STREET LUMINAIRE							
MANUFACTURER	MODEL	MODEL #	TYPE	DISTRIBUTION	WATTAGE	COLOR TEMPERATURE	ARM LENGTH
CYCLONE	MAJESTA	C012P1A	LED	3	120 W*	4,000K	12 FT

\*ALTERNATE WATTAGE MAY BE USED AS APPROVED BY CITY ENGINEER OR DESIGNEE.

MAXIMUM STREET LIGHT SPACING PER ROADWAY CLASSIFICATION**	X***	CIRCUIT****	VOLTAGE	CONDUCTOR	MAXIMUM STREET LIGHTS/GFCI OUTLETS PER CIRCUIT****
PRINCIPAL ARTERIAL - 5 LANES	160 FT	STREET LIGHTING	240 V	#8 AWG	11
		GFCI OUTLET	120 V	#8 AWG	11

\*\*SEE NOTE 5  
\*\*\*SEE NOTE 6  
\*\*\*\*STREET LIGHTING & GFCI OUTLET CIRCUITRY SHOWN FOR ONE SIDE OF ROADWAY.  
\*\*\*\*\*IF MAXIMUM NUMBER OF STREET LIGHTS/GFCI OUTLETS PER CIRCUIT EXCEED THE QUANTITY SHOWN, A LARGER CONDUCTOR GAUGE MAY BE REQUIRED.

**TANGENT ROADWAY STREET LIGHT SPACING AND CIRCUITRY DESIGN**

**NOTES**

- DECORATIVE STREET LIGHTING STANDARD SHOWN ON THIS SHEET SHALL BE USED FOR THE FOLLOWING ROADWAY SEGMENTS AS DIRECTED BY THE CITY ENGINEER OR DESIGNEE:
  - STATE AVES/MOKEY POINT BLVD (GROVE ST/72ND ST NE TO NORTHERN CITY LIMIT).
- ALL STREET AND PEDESTRIAN LIGHT STANDARDS, FIXTURES, AND BASES SHALL BE POWDER COATED COLOR RAL7022TX (UMBRA GREY).
- SEE CITY OF MARYSVILLE SPECIAL PROVISIONS FOR ADDITIONAL STREET LIGHTING STANDARD SPECIFICATIONS.
- ORIENT STREET LIGHTING STANDARD PERPENDICULAR TO ROADWAY CENTERLINE UNLESS OTHERWISE APPROVED BY CITY ENGINEER OR DESIGNEE.
- MAXIMUM STREET LIGHT SPACING SHOWN IS FOR TANGENT ROADWAY SEGMENTS ONLY WITH LIGHTING ON BOTH SIDES OF THE ROAD AT DIRECT OFFSET FROM ONE ANOTHER. CURVED ROADWAYS SEGMENTS SHALL REQUIRE PHOTOMETRIC EVALUATION PER THE CITY OF MARYSVILLE ENGINEERING DESIGN AND DEVELOPMENT STANDARDS.
- MAXIMUM STREET LIGHT SPACING WAS EVALUATED FOR MINIMUM AVERAGE MAINTAINED LIGHT LEVEL OF 1.4 FOOT CANDLES AND MAXIMUM UNIFORMITY RATIO (AVERAGE LIGHT LEVEL / MINIMUM LIGHT LEVEL) OF 4:1 USING THE 120W CYCLONE MAJESTA SERIES LUMINAIRE PER INTERMEDIATE AREA CLASSIFICATION FOR PRINCIPAL ARTERIAL BASED ON THE CITY OF MARYSVILLE CHAPTER 5-506 ENGINEERING DESIGN AND DEVELOPMENT STANDARDS. USE OF AN ALTERNATE FIXTURE/WATTAGE, ROADWAY CLASSIFICATION, AREA CLASSIFICATION, AND/OR TYPICAL SECTION SHALL REQUIRE PHOTOMETRIC EVALUATION PER THE CITY OF MARYSVILLE ENGINEERING DESIGN AND DEVELOPMENT STANDARDS.

APPROVED BY  
*[Signature]*  
MARYSVILLE CITY ENGINEER

DATE  
07/14/20

**STREET AND PEDESTRIAN LIGHTING STANDARDS - SEGMENT 2**

STANDARD PLAN 3-506-002

LAST REVISED 06/22/20

NOT TO SCALE



REVISIONS

NO.	DATE	DESCRIPTION

DATE  
08/03/2022  
SHEET TITLE  
SITE LIGHTING SCHEDULES

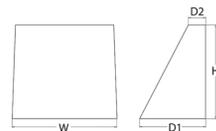
PERMIT SET

DRAWN BY: Yumi Roth  
DESIGNER: Yumi Roth  
CHECKED BY: Tim Carr  
SHEET



### WDGE1 LED Architectural Wall Sconce

**Specifications**  
Depth (D1): 5.5"  
Depth (D2): 1.5"  
Height: 8"  
Width: 9"  
Weight: 9 lbs (without options)



Catalog Number, Notes, Type

**Introduction**  
The WDGE LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean, rectangular design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing true site-wide solution. WDGE1 delivers up to 2,000 lumens with a soft, non-pixelated light source, creating a visually comfortable environment. The compact size of WDGE1, with its integrated emergency battery backup option, makes it an ideal over-the-door wall-mounted lighting solution.

WDGE LED Family Overview table with columns for Luminaire, Standard EM, B/C, Color Temp, Sensor, and Lumens (4000K).

Ordering Information table with columns for Series, Package, Color Temperature, CRI, Distribution, Voltage, Mounting, and Shipped included.

Options table with columns for Options and Finish.

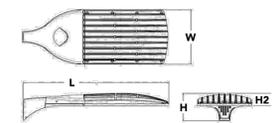
Accessories table with columns for Accessories and Notes.

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### D-Series Size 2 LED Area Luminaire

**Specifications**  
EPA: 1.1 ft<sup>2</sup> (0.10 m<sup>2</sup>)  
Length: 40"  
Width: 15"  
Height H1: 7.1/2"  
Height H2: 3.5"  
Weight: 36lbs



Catalog Number, Notes, Type

**Introduction**  
The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. The Size 2 is ideal for replacing 400-1000W metal halide in area lighting applications with energy savings of up to 90% and expected service life of over 100,000 hours.

#### Ordering Information EXAMPLE: DSX2 LED P7 40K T3M MVOLT SPA NLTAR2 PIRHN DDBX

DSX2 LED table with columns for Series, LEDs, Color Temperature, Distribution, Voltage, Mounting, and Shipped included.

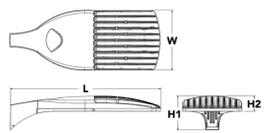
Control options table with columns for Control options and Other options.

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### D-Series Size 1 LED Area Luminaire

**Specifications**  
EPA: 1.01 ft<sup>2</sup> (0.09 m<sup>2</sup>)  
Length: 33"  
Width: 13"  
Height H1: 7.1/2"  
Height H2: 3.1/2"  
Weight: 27 lbs (12.3 kg)



Catalog Number, Notes, Type

**Introduction**  
The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 750W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

#### Ordering Information EXAMPLE: DSX1 LED P7 40K T3M MVOLT SPA NLTAR2 PIRHN DDBX

DSX1 LED table with columns for Series, LEDs, Color Temperature, Distribution, Voltage, Mounting, and Shipped included.

Control options table with columns for Control options and Other options.

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## MOONLITE LED® Series MUE EX-2

**Mullion Mount Outdoor Emergency Egress Lighting**  
PROJECT: \_\_\_\_\_  
TYPE: \_\_\_\_\_  
CATALOG #: \_\_\_\_\_

**OVERVIEW**  
Linear LED outdoor egress with both emergency lighting and night lighting function. The MUE series is designed to mount directly on mullion frames used in typical glass panel entrance structures, with vertical mounting surface as small as 2". High efficiency LEDs and full 90° cut-off provide uniform emergency and night lighting on the extended egress pathway. All models are outdoor rated, UL wet location, ADA compliant, and exceed requirements of UL Standard 924 and NFPA 101. Designed and manufactured in the USA, complies with ARRA (American Recovery and Reinvestment Act) and Buy American requirements.

FIXTURE ORDERING INFORMATION EXAMPLE: MUEBB10AW-DG table with columns for MODEL SERIES, OPERATION, POWER, HOUSING COLOR, MOUNT, and OPTIONS.

Accessories table with columns for Accessories and Notes.

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### D-Series Size 1 LED Wall Luminaire

**Specifications Luminaire**  
Width: 13.3/4"  
Depth: 10"  
Height: 6.3/8"

**Back Box (BBW, E20WC)**  
Width: 13.3/4"  
Depth: 4"  
Height: 6.3/8"



Catalog Number, Notes, Type

**Introduction**  
The D-Series Wall luminaire is a stylish, fully integrated LED solution for building-mount applications. It features a sleek, modern design and is carefully engineered to provide long-lasting, energy-efficient lighting with a variety of optical and control options for customized performance. With an expected service life of over 20 years of nighttime use and up to 74% in energy savings over comparable 250W metal halide luminaires, the D-Series Wall is a reliable, low-maintenance lighting solution that produces sites that are exceptionally illuminated.

#### Ordering Information EXAMPLE: DSXW1 LED 20C 1000 40K T3M MVOLT DDBTXD

DSXW1 LED table with columns for Series, LEDs, Drive Current, Color Temperature, Distribution, Voltage, Mounting, and Shipped included.

Control options table with columns for Control options and Other options.

Accessories table with columns for Accessories and Notes.

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### D-Series Size 2 LED Wall Luminaire

**Specifications Luminaire**  
Width: 18.1/2"  
Depth: 10"  
Height: 7.5/8"

**Back Box (BBW)**  
Width: 5.1/2"  
Depth: 1.1/2"  
Height: 4"



Catalog Number, Notes, Type

**Capable Luminaire**  
This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability. All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency. This luminaire is A+ Certified when ordered with DTL\* controls marked by a shaded background. DTL, DLL equipped luminaires meet the A+ specification for luminaire to photometric interoperability. This luminaire is part of an A+ Certified solution for ROAM\* or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background. To learn more about A+, visit www.acuitybrands.com/aplus. 1. See ordering tree for details. 2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately. Link to Roam; Link to DTL, DLL.

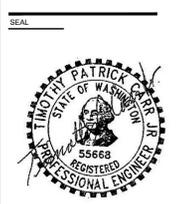
#### Ordering Information EXAMPLE: DSXW2 LED 30C 700 40K T3M MVOLT DDBTXD

DSXW2 LED table with columns for Series, LEDs, Drive Current, Color Temperature, Distribution, Voltage, Mounting, and Shipped included.

Control options table with columns for Control options and Other options.

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fax: 360-863-3685



PROJECT: NEW AUTO DEALERSHIP  
KENDALL SUBARU  
SMOKEY POINT BLVD.  
MARYSVILLE, WASHINGTON 98223

REVISIONS table with columns for DATE, SHEET TITLE, and SITE LIGHTING SPECS.

PERMIT SET table with columns for DRAWN BY, DESIGNER, CHECKED BY, and SHEET.

E1.21