GRASS VALLEY
Development Review Committee Meeting

Tuesday, September 10, 2024 at 9:00 AM
Council Chambers, Grass Valley City Hall | 125 East Main Street, Grass Valley, California
Telephone: (530) 274-4310 – Fax: (530) 274-4399
E-Mail: info@cityofgrassvalley.com Web Site: www.cityofgrassvalley.com

AGENDA

Any person with a disability who requires accommodations to participate in this meeting should telephone the City Clerk's office at (530)274-4390, at least 48 hours prior to the meeting to make a request for a disability related modification or accommodation.

MEETING NOTICE

Development Review Committee welcomes you to attend the meetings electronically or in person at the City Hall Council Chambers, located at 125 E. Main St., Grass Valley, CA 95945. Regular Meetings are scheduled at 9:00 a.m. on the 2nd and 4th Tuesday of each month. Your interest is encouraged and appreciated.

Members of the public are encouraged to submit public comments via voicemail at (530) 274-4390 and email to public@cityofgrassvalley.com. Comments will be reviewed and distributed before the meeting if received by 9 am. Comments received after that will be addressed during the item and/or at the end of the meeting. The committee will have the option to modify their action on items based on comments received. Action may be taken on any agenda item.

Agenda materials, staff reports, and background information related to regular agenda items are available on the City's website: www.cityofgrassvalley.com. Materials related to an item on this agenda submitted to the Committee after distribution of the agenda packet will be made available on the City of Grass Valley website at www.cityofgrassvalley.com, subject to City staff's ability to post the documents before the meeting.

Please note, individuals who disrupt, disturb, impede, or render infeasible the orderly conduct of a meeting will receive one warning that, if they do not cease such behavior, they may be removed from the meeting. The chair has authority to order individuals removed if they do not cease their disruptive behavior following this warning. No warning is required before an individual is removed if that individual engages in a use of force or makes a true threat of force. (Gov. Code, § 54957.95.)

Council Chambers are wheelchair accessible and listening devices are available. Other special accommodations may be requested to the City Clerk 72 hours in advance of the meeting by calling (530) 274-4390, we are happy to accommodate.

CALL TO ORDER

ROLL CALL

ANNOUNCEMENTS, AGENDA REVIEW AND CHANGES

PUBLIC COMMENT - *Members of the public are encouraged to submit public comments via voicemail at (530) 274-4390 and email to public@cityofgrassvalley.com. There is a time limitation of three minutes per person. For items not on the agenda and within the jurisdiction or interest of the City, please address the Development Review Committee at this time. For items on the agenda please address the Development Review Committee when the number and subject matter are announced. Comments will be reviewed and distributed before the meeting if received by 9AM. Comments received after that will be addressed during the item and/or at the end of the meeting. The Development Review Committee will have the option to modify their action on items based on comments received. Action may be taken on any agenda item.*

GENERAL APPLICATION FOR REVIEW

1. Conceptual Development Review to consider a 70,480 sq ft metal manufacturing building to accommodate an expansion for the existing Jada Windows business at 179 Clydesdale Court. (Location: 179 Clydesdale Court APN: 009-680-050, 056) CEQA: TBD upon formal application submittal

ADJOURN

POSTING NOTICE

This is to certify that the above notice of a meeting of a Development Review Committee Meeting, scheduled for Tuesday, September 10, 2024 at 9:00 AM was posted at city hall, easily accessible to the public, as of 5:00 p.m. Friday, September 6, 2024.

_____

Taylor Whittingslow, City Clerk

DEVELOPMENT REVIEW COMMITTEE
STAFF REPORT
September 10, 2024

Prepared by: Amy Wolfson, City Planner

DATA SUMMARY:

Application Number:	24PLN-14
Subject:	Conceptual Development Review to consider a 70,480 sq ft metal manufacturing buildings to accommodate an expansion for the existing Jada Windows business at 179 Clydesdale Court..
Location/APN:	179 Clydesdale Court / 009-680-050, 056
Applicant:	Russell Davidson/Kevin Nelson representing Jada Windows
Zoning/General Plan:	Light Industrial (M-1)/ Business Park & Manufacturing/Industrial (BP/M-1)
Entitlement:	Conceptual Development Review
Environmental Status:	TBD upon formal application submittal

RECOMMENDATION:

Staff recommends that the Development Review Committee review the conceptual plans and offer comments relative to service requirements, public and private improvements, entitlement processing, Development Code compliance and design standards. No formal action is to be taken on this Conceptual Development Review application.

BACKGROUND:

The subject ±7-acre property is located on Whispering Pines Road, with proposed access off Clydsdale Court through an existing developed parcel where the current Jada Windows manufacturing building is located, at 179 Clydesdale Court. The project site was annexed into the City in 2010 and came in with a development proposal that had included three industrial buildings totaling 57,000 square feet. At that time a Mitigated Negative Declaration was adopted for the project. The property was annexed and pre-zoned but the development component never took place.

PROJECT DESCRIPTION:

Architectural Review: Russell Davidson, project architect, is requesting that the Development Review Committee provide comments on preliminary design concept for the proposed building. Design Guideline considerations based on the conceptual plan submitted, Some of the City Design Guidelines that should be considered in the design of the project are listed below (the full design guidelines are available at: https://www.cityofgrassvalley.com/sites/main/files/file-attachments/community_design_guidelines_rev_2011_0.pdf?1572391136):

i. Industrial sites that abut commercial or office-zoned properties shall provide a solid wall or fence with minimum height of six feet continuously along the boundary except at pedestrian and vehicle access points. Landscaping (i.e. vines) is also encouraged. *The rear abutting parcels have a Commercial Business Park land use designation and would trigger this guideline.*
ii. Loading and service areas for delivery or transfer of merchandise including vehicle access to those areas shall be screened from public view corridors and building entries by a combination of building design, layout, grade separations, masonry walls and dense landscaping.
iii. Customer parking shall be located near the primary building entrances to avoid conflict with servicing truck traffic. Employee parking should also be located so as to avoid truck/car conflicts.
iv. The natural characteristics of the site including existing trees, rock outcroppings, slope, and or other natural features, soil type, climatic conditions, topography, drainage patterns and solar orientation shall be incorporated into the landscape design to visually enhance development.
v. New development shall be reflective and compatible with existing historic structures of Grass Valley.
vi. Building design shall utilize materials, colors, and forms to reduce the large scale of industrial buildings and reflect the attention to detail that enhances Grass Valley's community character.
vii. Vertical and horizontal wall articulation, such as variety in the height and wall depth of structures, architectural patterns, and use of colors and materials should be used to visually divide large industrial building elevations into smaller sections.
viii. All buildings shall have a definable base, mid-body and cap element.
ix. Rooflines shall be varied and articulated to reduce building mass and add visual interest on large warehouse type buildings. Articulation of wall height and alignment, and wall cornice detailing shall be used.

Parking Reduction – The applicant is considering applying for a parking space reduction through a conditional use permit pursuant to of the City Municipal Code. The reduction request is due to the lighter employee and visitor use than is otherwise suggested by the large building size. Pursuant to our parking space standards, a 70,458 square foot manufacturing building would generally require around 141 parking spaces. The applicant is considering a request to reduce that number to approximately 50 spaces, though that number will be determined by a parking study based on current and projected employee numbers and the light visitor traffic expected at the manufacturing site. Staff would include a condition of approval that any change of occupancy would require a revised parking study, and possibly a traffic study to determine if the projected occupancy would induce enough traffic to arrant roadway improvements.

SITE DESCRIPTION AND ENVIRONMENTAL SETTING:

The ±7.74-acre site is an undeveloped parcel with mild to steep slopes between 3% and 30% with the development proposed within the milder slope area. The site contains

thickets of ponderosa pines mixed with oaks. The prior biological study indicates an intermittent drainage ditch that has seasonal riparian habitat along the eastern boundary line. The site appears to be covered with mixed-conifer trees, dominated by cedars and ponderosa pines, and some oak species.

ENVIRONMENTAL DETERMINATION:

A prior Mitigated Negative Declaration was adopted for the previous project. In order to prepare the appropriate environment document pursuant to the California Environmental Quality Act (CEQA), at a minimum, the project will require a biological resource study, an air quality/greenhouse gas emissions study, a traffic study, preliminary geotechnical report, and a letter from the North Central Information Center indicating whether a cultural resource study should be prepared.

PROJECT REVIEW COMMENTS:

Staff previously provided comments to the applicant, which are attached to this report for the DRC's reference.

ATTACHMENTS:

1. Conceptual Site Exhibit
2. Building Plans (floor plan, cross sections, elevations, etc)
3. Renderings
4. Photos of adjacent buildings/roads
5. Proposed Parking Lighting

JADA Manufacturing Conceptual Review, 24PLN-14

ATTACHMENTS:

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3. Renderings
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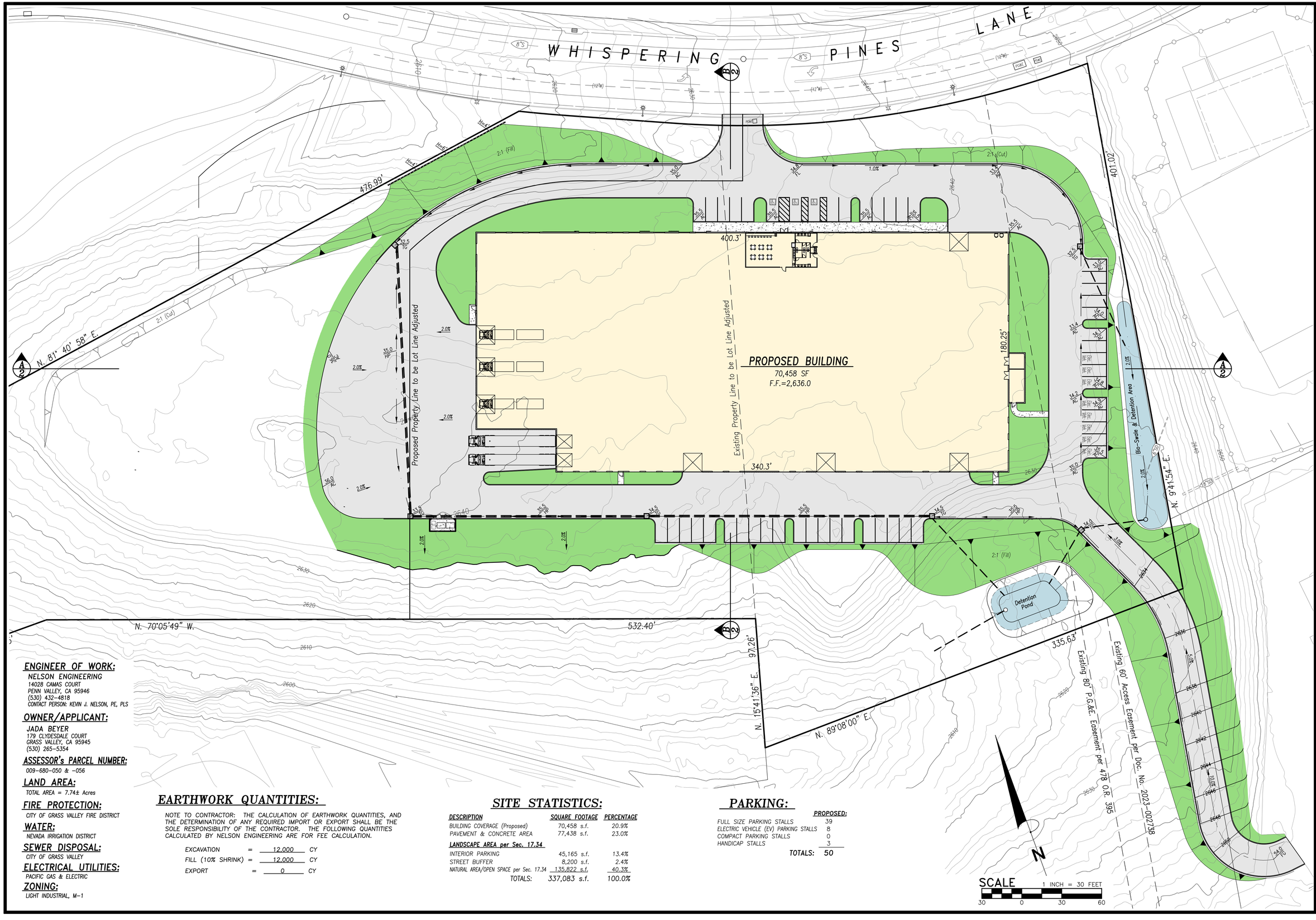


ENGINEER OF WORK:
NELSON ENGINEERING
14028 CAMAS COURT
PENN VALLEY, CA 95946
(530) 432-4818
CONTACT PERSON: KEVIN J. NELSON, PE, PLS

OWNER/APPLICANT:
JADA BEYER
179 CLYDESDALE COURT
GRASS VALLEY, CA 95945
(530) 265-5354

ASSESSOR's PARCEL NUMBER:
009-680-050 & -056

LAND AREA:
TOTAL AREA = 7.74± Acres

FIRE PROTECTION:
CITY OF GRASS VALLEY FIRE DISTRICT

WATER:
NEVADA IRRIGATION DISTRICT

SEWER DISPOSAL:
CITY OF GRASS VALLEY

ELECTRICAL UTILITIES:
PACIFIC GAS & ELECTRIC

ZONING:
LIGHT INDUSTRIAL, M-1

EARTHWORK QUANTITIES:

NOTE TO CONTRACTOR: THE CALCULATION OF EARTHWORK QUANTITIES, AND THE DETERMINATION OF ANY REQUIRED IMPORT OR EXPORT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE FOLLOWING QUANTITIES CALCULATED BY NELSON ENGINEERING ARE FOR FEE CALCULATION.

EXCAVATION	=	12,000	CY
FILL (10% SHRINK)	=	12,000	CY
EXPORT	=	0	CY

SITE STATISTICS:

DESCRIPTION	SQUARE FOOTAGE	PERCENTAGE
BUILDING COVERAGE (Proposed)	70,458 s.f.	20.9%
PAVEMENT & CONCRETE AREA	77,438 s.f.	23.0%
LANDSCAPE AREA per Sec. 17.34		
INTERIOR PARKING	45,165 s.f.	13.4%
STREET BUFFER	8,200 s.f.	2.4%
NATURAL AREA/OPEN SPACE per Sec. 17.34	135,822 s.f.	40.3%
TOTALS:	337,083 s.f.	100.0%

PARKING:

	PROPOSED:
FULL SIZE PARKING STALLS	39
ELECTRIC VEHICLE (EV) PARKING STALLS	8
COMPACT PARKING STALLS	0
HANDICAP STALLS	3
TOTALS:	50

NO.	REVISIONS	DATE

DESIGNED: KJN
DRAWN: KJN
CHECKED BY: KJN
DATE: August 26, 2024
PROJECT No.: 21-242
DWG. NAME: 21-242 Site Plan-4.dwg

PRELIMINARY SITE PLAN FOR:

JADA WINDOWS

A.P.N. 009-680-050 & -056

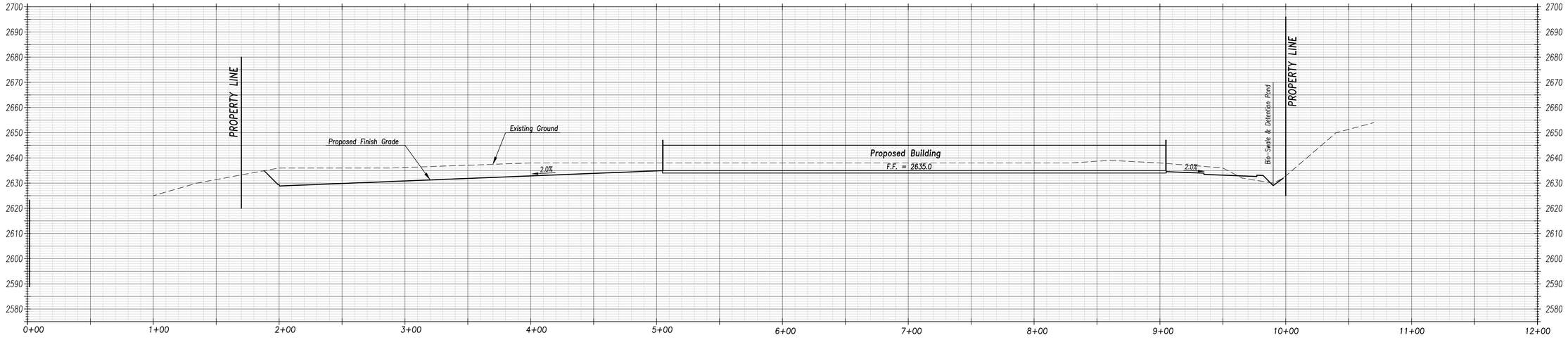
COUNTY OF NEVADA, CALIFORNIA

NELSON ENGINEERING
Civil Engineering, Surveying & Land Planning
14028 Camas Court
Penn Valley, CA 95946
(530) 432-4818
www.nelsonengineer.com

REGISTERED PROFESSIONAL ENGINEER
KEVIN J. NELSON
No. 55018
CIVIL
STATE OF CALIFORNIA

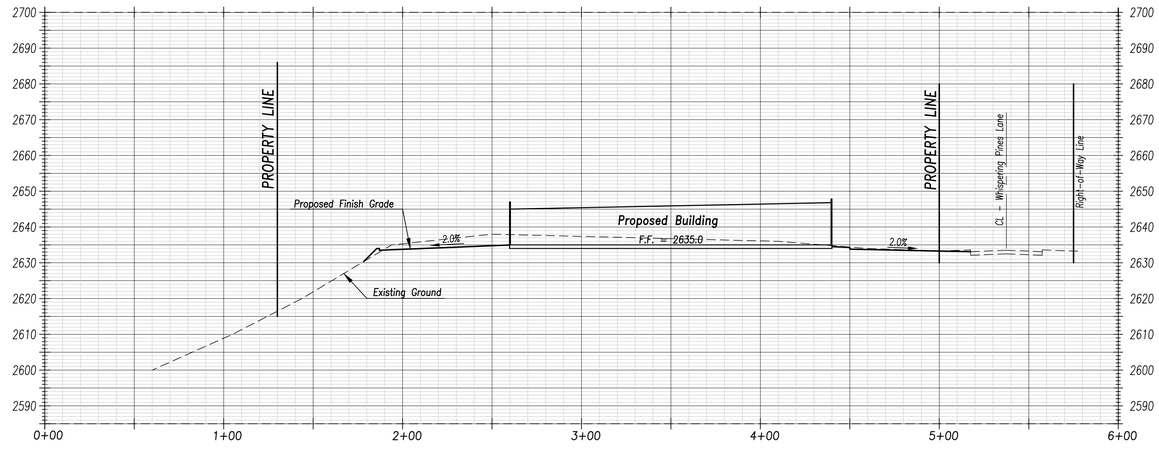
Draft Only
Not to be used for Construction

1 OF 2



Cross Section "A-A"

Scales: Horiz.: 1" = 40'
Vert.: 1" = 20'



Cross Section "B-B"

Scales: Horiz.: 1" = 40'
Vert.: 1" = 20'

NO.	REVISIONS	DATE

DESIGNED: KJN
DRAWN: KJN
CHECKED BY: KJN
DATE: August 26, 2024
PROJECT No.: 21-242
DWG. NAME: 21-242 Site Plan-4.dwg

PRELIMINARY CROSS-SECTIONS FOR:

JADA WINDOWS

A.P.N. 009-680-050 & -056

COUNTY OF NEVADA, CALIFORNIA

NELSON ENGINEERING
Civil Engineering, Surveying & Land Planning
14028 Camas Court
Penn Valley, CA 95946
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www.nelsonengineer.com

KEVIN J. NELSON
No. 50715
REGISTERED PROFESSIONAL ENGINEER
CIVIL
STATE OF CALIFORNIA

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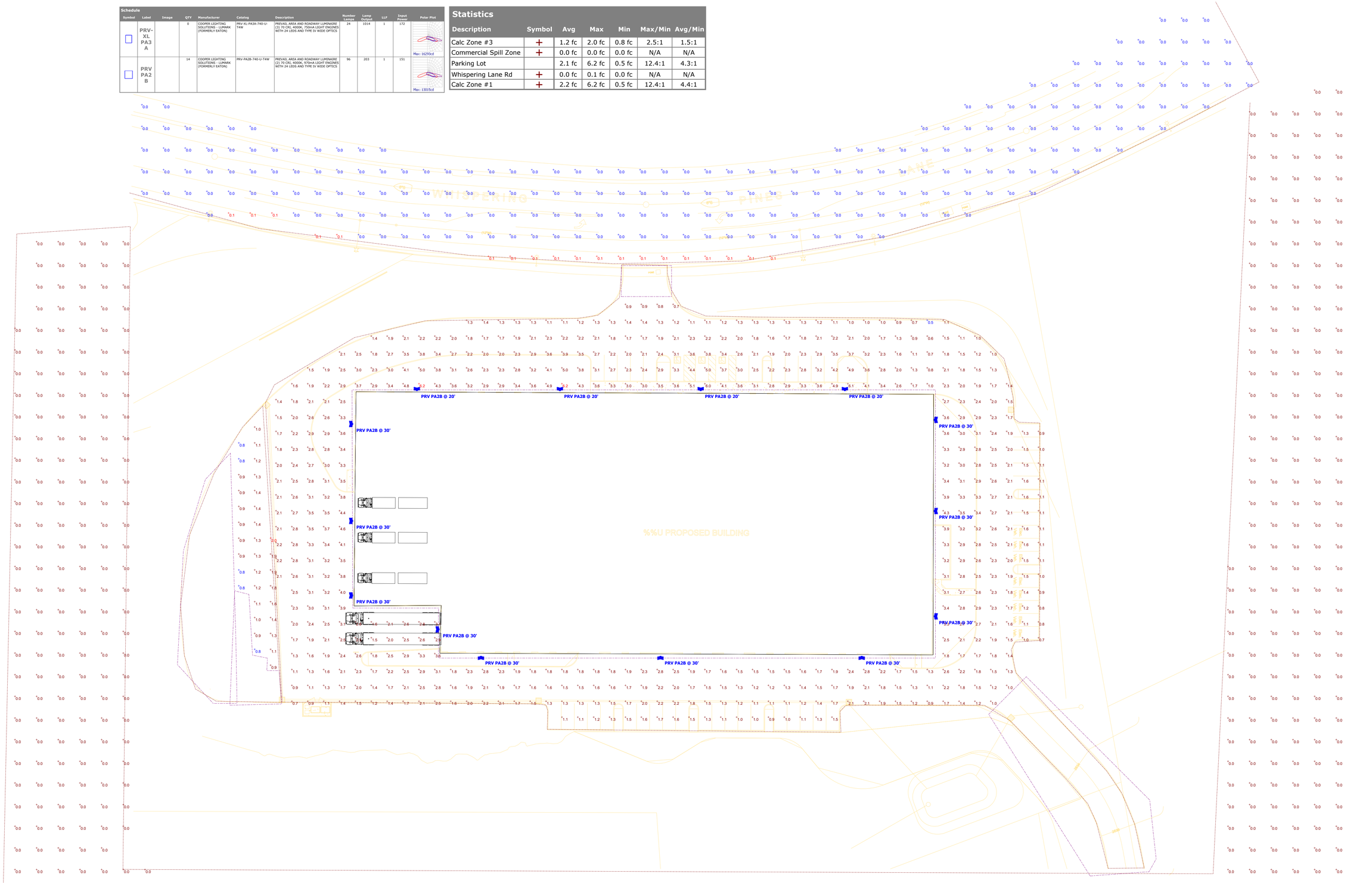
2 OF 2

Schedule

Symbol	Label	Image	QTY	Manufacturer	Catalog	Description	Number Lamps	Lamp Output	LLF	Input Power	Polar Plot
	PRV-XL PA3A		0	COOPER LIGHTING SOLUTIONS - LUMARK (FORMERLY EATON)	PRV-XL-PA3A-740-U-T4W	PREVAIL AREA AND ROADWAY LUMINAIRE (3) 70 CRI, 4000K, 750mA LIGHT ENGINES WITH 24 LEDS AND TYPE IV WIDE OPTICS	24	1014	1	172	Max: 16293cd
	PRV PA2B		14	COOPER LIGHTING SOLUTIONS - LUMARK (FORMERLY EATON)	PRV-PA2B-740-U-T4W	PREVAIL AREA AND ROADWAY LUMINAIRE (2) 70 CRI, 4000K, 670mA LIGHT ENGINES WITH 24 LEDS AND TYPE IV WIDE OPTICS	96	203	1	151	Max: 13015cd

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Calc Zone #3	+	1.2 fc	2.0 fc	0.8 fc	2.5:1	1.5:1
Commercial Spill Zone	+	0.0 fc	0.0 fc	0.0 fc	N/A	N/A
Parking Lot		2.1 fc	6.2 fc	0.5 fc	12.4:1	4.3:1
Whispering Lane Rd	+	0.0 fc	0.1 fc	0.0 fc	N/A	N/A
Calc Zone #1	+	2.2 fc	6.2 fc	0.5 fc	12.4:1	4.4:1



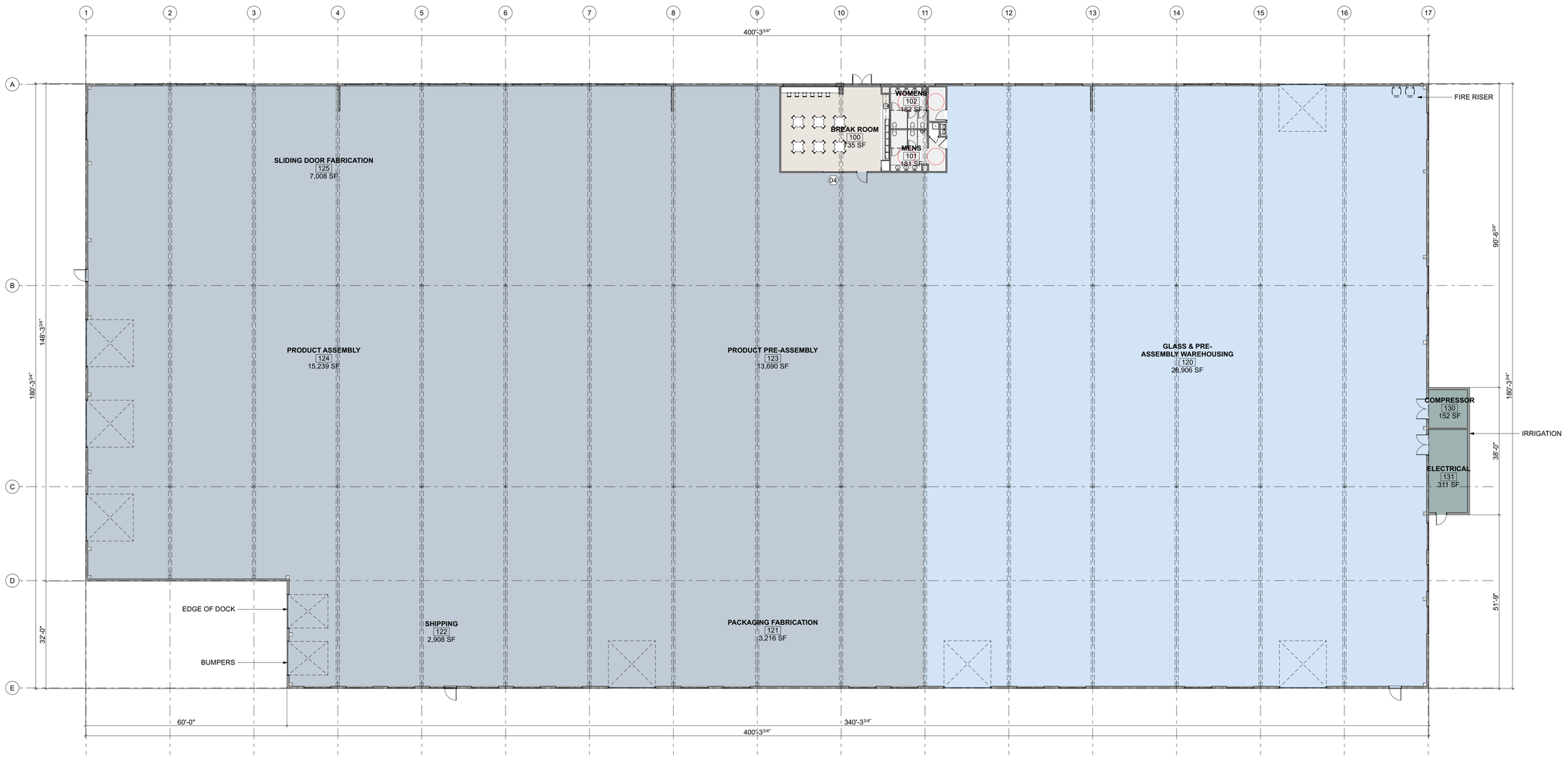
Plan View

Designer

Date
5/5/2022
Scale
Not to Scale
Drawing No.

Summary

AREA CALCULATION						
OCCUPANCY TYPE	**#**	**NAME**	**AREA**	**FUNCTION OF SPACE**	**OCCUPANT LOAD FACTOR**	**OCCUPANT LOAD**
B						
	100	BREAK ROOM	735	AREA WITHOUT FIXED SEATS	15	49
	101	MENS	181	RESTROOM	0	---
	102	WOMENS	182	RESTROOM	0	---
			1,098 ft²			**49**
F-2						
	121	PACKAGING FABRICATION	3,216	INDUSTRIAL	100	32
	122	SHIPPING	2,908	INDUSTRIAL	100	29
	123	PRODUCT PRE-ASSEMBLY	13,690	INDUSTRIAL	100	137
	124	PRODUCT ASSEMBLY	15,239	INDUSTRIAL	100	152
	125	SLIDING DOOR FABRICATION	7,008	INDUSTRIAL	100	70
	130	COMPRESSOR	152	MECHANICAL	300	1
	131	ELECTRICAL	311	MECHANICAL	300	1
			42,524 ft²			**422**
S-2						
	120	GLASS & PREASSEMBLY WAREHOUSING	26,906	WAREHOUSE	500	54
			26,906 ft²			**54**
			70,528 ft²			525



1 NEW 1ST FLOOR PLAN
SCALE: 1/16" = 1'-0"

RUSSELL DAVIDSON
ARCHITECTURE + DESIGN

COORDINATION SET
NOT FOR CONSTRUCTION

JADA ASSEMBLY FACILITY

#Site Address1
#Site City, #Site State #Site Postcode
APN: #APN

ID	NAME	DATE
	SUBMITTAL	11/7/23

SUBMITTED:	DATE
SCALE	AS NOTED
DRAWN BY:	RPD
CHECKED BY:	RPD
JOB:	---

FLOOR PLAN

A1.1

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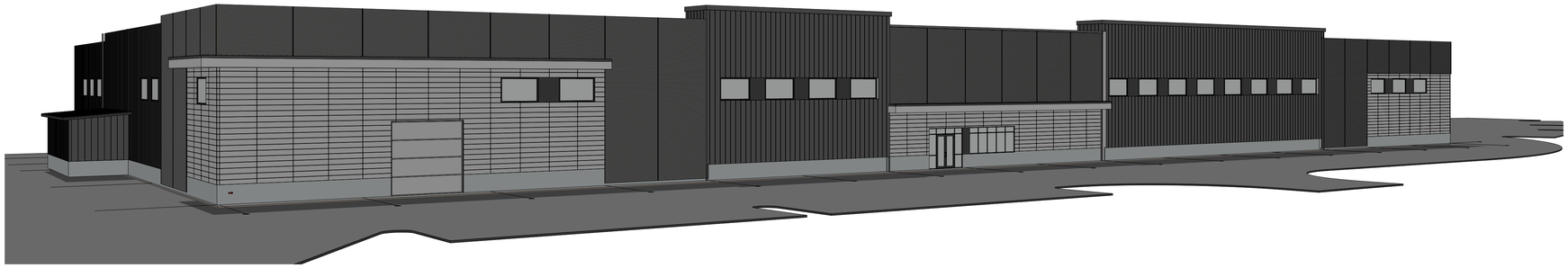
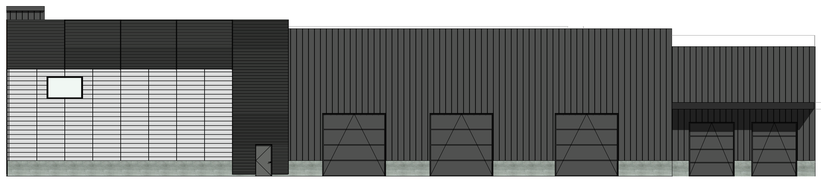
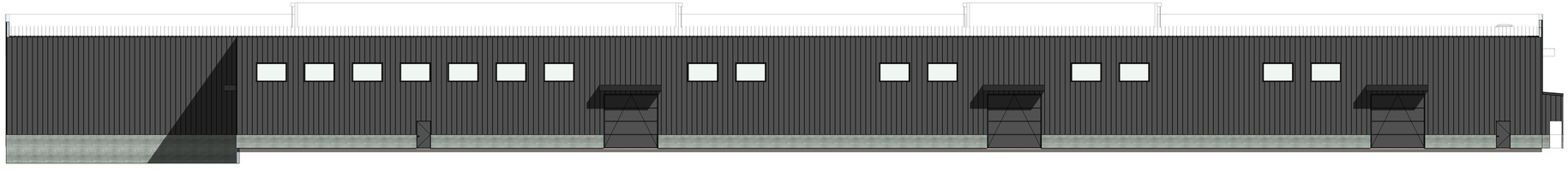


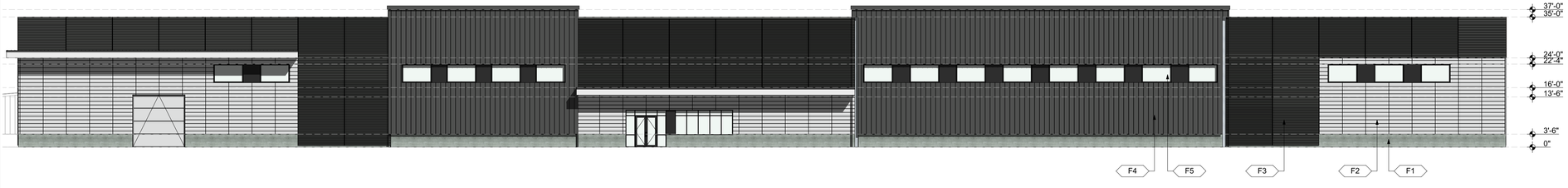
4 EAST ELEVATION
SCALE: 1/16" = 1'-0"



3 WEST ELEVATION
SCALE: 1/16" = 1'-0"



2 SOUTH ELEVATION
SCALE: 1/16" = 1'-0"



1 NORTH ELEVATION
SCALE: 1/16" = 1'-0"

GENERAL NOTES

1. REFER TO SHEET A6.0 FOR WINDOW & DOOR SCHEDULES.
2. INSTALL ALL FINISHES PER MANUFACTURER SPECIFICATIONS

FINISH KEYNOTES

F1 BASE
PRODUCT: CAST IN PLACE CONC.
FINISH: BOARD FORMED

F2 WALL - TYPICAL
MANUFACTURE: MCELROY
TYPE: METAL SIDING
PRODUCT: FW PANEL
FINISH: BRITE WHITE

F3 WALL - TYPICAL
MANUFACTURE: MCELROY
TYPE: METAL SIDING
PRODUCT: MULTI-COR
FINISH: ASH GRAY

F4 WALL - TYPICAL
MANUFACTURE: MCELROY
TYPE: METAL SIDING
PRODUCT: MEDALLION-LOK
FINISH: CHARCOAL

F5 WALL - TYPICAL
MANUFACTURE: MCELROY
TYPE: METAL SIDING
PRODUCT: MEDALLION-LOK
FINISH: MATTE BLACK

KEYNOTES

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ID	NAME	DATE

SUBMITTED:	DATE
SCALE	AS NOTED
DRAWN BY:	RPD
CHECKED BY:	RPD
JOB:	---

BUILDING ELEVATIONS

A2.0

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BUILDING
ELEVATIONS

A2.1

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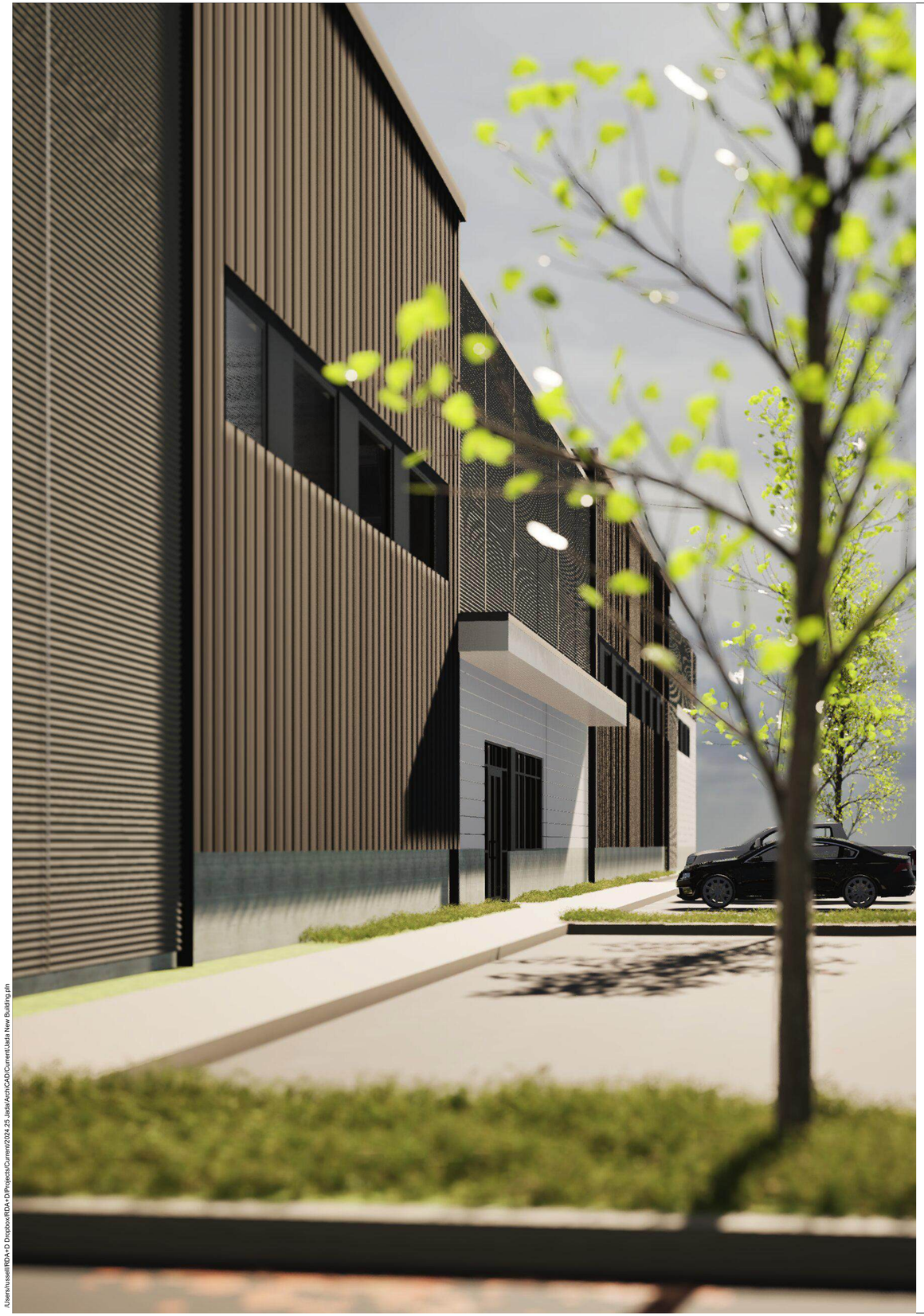

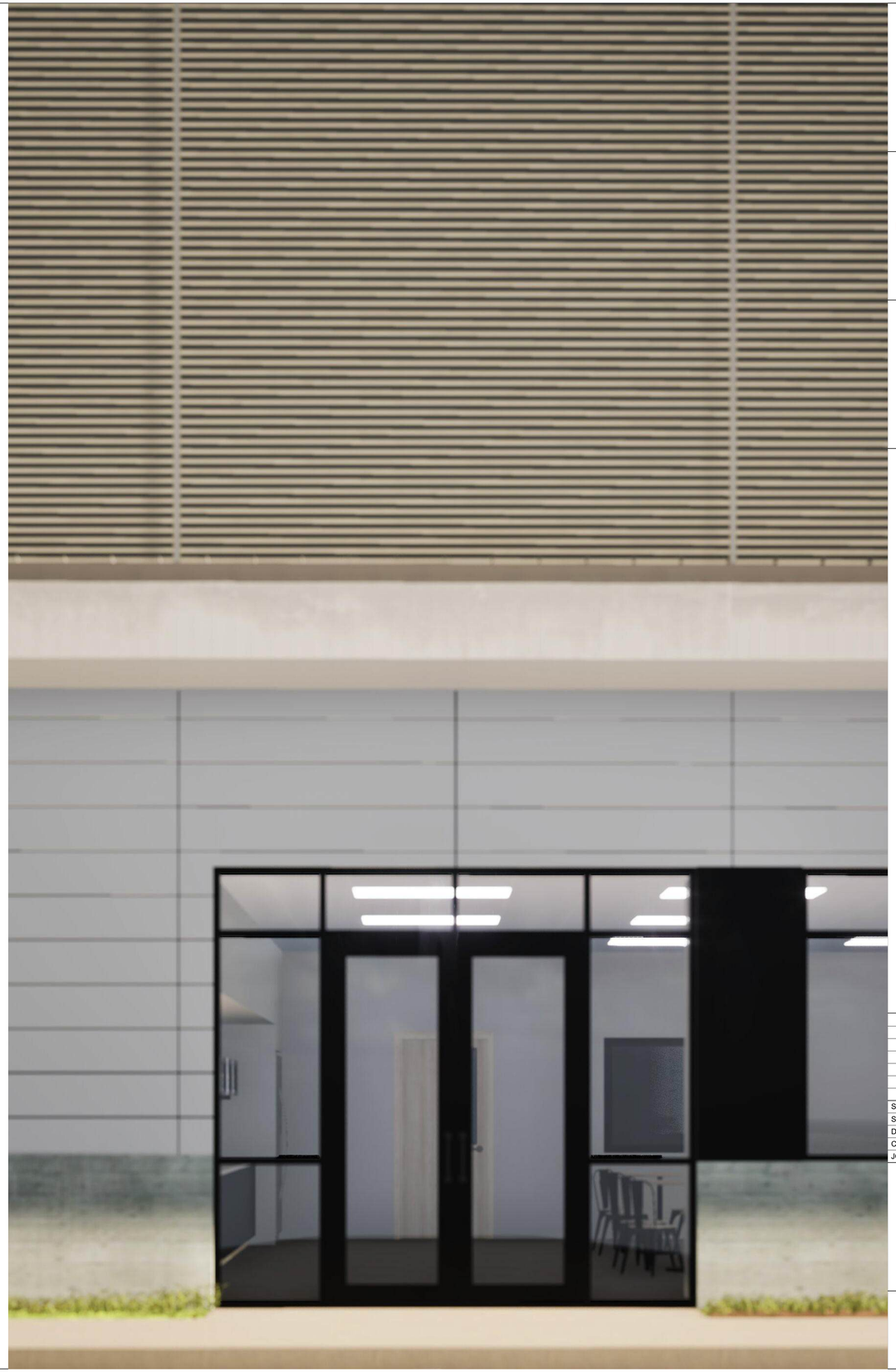

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SUBMITTED:	DATE
SCALE	AS NOTED
DRAWN BY:	RPD
CHECKED BY:	RPD
JOB:	---

BUILDING
ELEVATIONS

A2.2

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6 819 WHISPERING PINES LN
SCALE: 1:1.22

5 810 WHISPERING PINES LN
SCALE: 1:0.79

4 1050 WHISPERING PINES LN
SCALE: 1:1.22

3 124 CLYDESDALE CT
SCALE: 1:1.29

2 180 CAMBRIDGE CT
SCALE: 1:0.93

1 125 CLYDESDALE CT
SCALE: 1:1.36

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APN: #APN

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SUBMITTED:	DATE
SCALE	AS NOTED
DRAWN BY:	RPD
CHECKED BY:	RPD
JOB:	---

SURROUNDING BUILDING

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SUBMITTED:	DATE
SCALE	AS NOTED
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JOB:	---

SITE VIEWS

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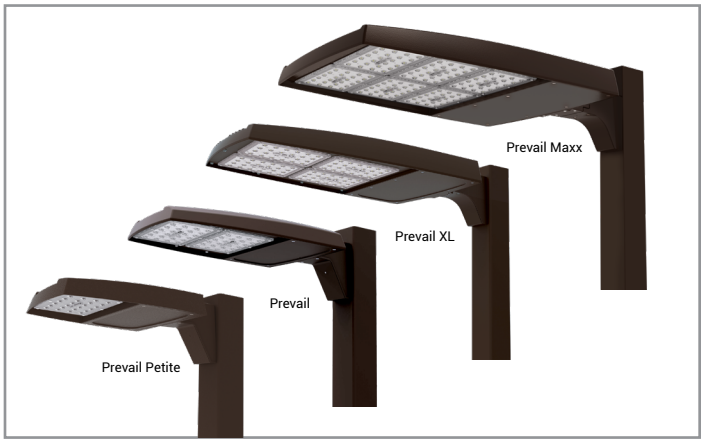
Project		Catalog #		Type	
Prepared by		Notes		Date	



Lumark

Prevail Discrete LED

Area / Site Luminaire

Product Features

LumenSafe Technology

Interactive Menu

Product Certifications

Quick Facts

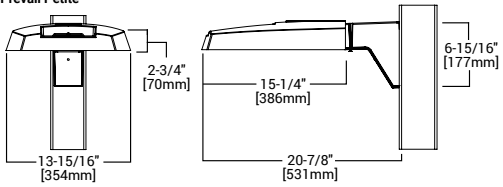
- Direct-mounted discrete light engine for improved optical uniformity and visual comfort
- Lumen packages range from 4,300 - 68,000 nominal lumens (30W - 550W)
- Replaces 70W up to 1,000W HID equivalents
- Efficacies up to 157 lumens per watt
- Standard universal quick mount arm with universal drill pattern

Connected Systems

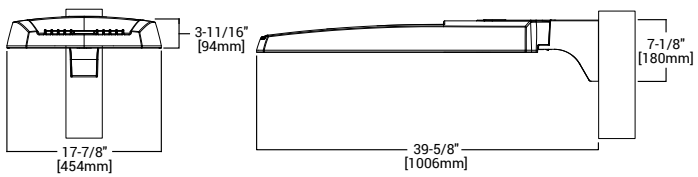
- WaveLinx PRO Wireless
- WaveLinx LITE Wireless

Dimensional Details

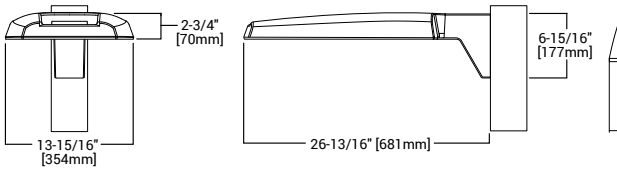
Prevail Petite



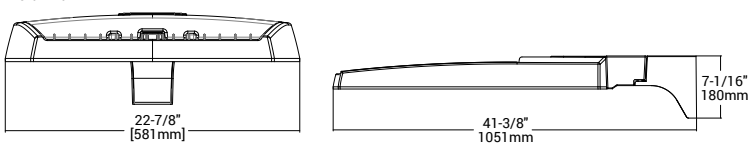
Prevail XL



Prevail



Prevail Maxx



NOTES:
1. Visit https://www.designlights.org/search/ to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified for 3000K CCT and warmer only.

Ordering Information

SAMPLE NUMBER: **PRV-XL-PA4B-740-U-T4W-BZ**

Product Family [1, 2]	Light Engine		Color Temperature	Voltage	Distribution	Mounting (Included)	Finish
	Configuration	Drive Current [4]					
PRV-P=Prevail Petite **BAA-PRV-P**=Prevail Petite BAA Buy American Act Compliant [3] **TAA-PRV-P**=Prevail Petite TAA Trade Agreements Act Compliant [3]	**PA1**=1 Panel, 24 LED Rectangle	**A**=400mA Nominal **B**=700mA Nominal **C**=950mA Nominal **D**=1200mA Nominal	**740**=70CRI, 4000K **730**=70CRI, 3000K **750**=70CRI, 5000K **8540**=85CRI, 4000K	**U**=Universal, 120-277V **H**=High Voltage, 347-480V **1**=120V **2**=208V **3**=240V **4**=277V **8**=480V [5] **9**=347V **DV**=DuraVolt, 277-480V [5, 6]	**T2R**=Type II Roadway **T2U**=Type II Urban **T3**=Type III **T4W**=Type IV Wide **5WQ**=Type V Square Wide	**SA**=QM Standard Versatile Arm **MA**=QM Mast Arm **FMA**=Fixed Mast Arm [27] **WM**=QM Wall Mount Arm **ADJA-WM**= Adjustable Arm – Wall Mount [29] **ADJA**=Adjustable Arm – Pole Mount [29] **ADJS**=Adjustable Arm – Slipfitter, 3" vertical tenon [29] **SP2**=Adjustable Arm – Slipfitter, 2 3/8" vertical tenon [27, 29]	**AP**=Grey **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White
PRV=Prevail **BAA-PRV**=Prevail BAA Buy American Act Compliant [3] **TAA-PRV**=Prevail TAA Trade Agreements Act Compliant [3]	**PA1**=1 Panel, 24 LED Rectangle **PA2**=2 Panels, 48 LED Rectangles	**A**=700mA Nominal **B**=950mA Nominal					
PRV-XL=PRV XL **BAA-PRV-XL**=Prevail XL BAA Buy American Act Compliant [3] **TAA-PRV-XL**=Prevail XL TAA Trade Agreements Act Compliant [3]	**PA3**=3 Panels, 72 LED Rectangles **PA4**=4 Panels, 96 LED Rectangles	**A**=750mA Nominal **B**=950mA Nominal					
PRV-M=Prevail Maxx **BAA-PRV-M**=Prevail Maxx BAA Buy American Act Compliant [3] **TAA-PRV-M**=Prevail Maxx TAA Trade Agreements Act Compliant [3]	**PA6**= 6 Panels, 144 LED Rectangles	**A**=600mA Nominal **B**=800mA Nominal **C**=1000mA Nominal **D**=1200mA Nominal					

Options (Add as Suffix)

10K=10kV UL 1449 Fused Surge Protective Device
20MSP=20kV MOV Surge Protective Device
20K=20kV UL 1449 Fused Surge Protective Device
F=Single Fuse (Used with Voltages 120, 277 or 347V)
FF=Double Fuse (Used with Voltages 208, 240 or 480V)
FADC=Field Adjustable Dimming Controller [30]
L90=Optics Rotated 90° Left
R90=Optics Rotated 90° Right
CC=Coastal Construction finish [9]
HSS=House Side Shield (Factory Installed) [7]
HA=50°C High Ambient Temperature [8]
PR=NEMA 3-PIN Twistlock Photocontrol Receptacle [10]
PR7=NEMA 7-PIN Twistlock Photocontrol Receptacle [10]
MS/DIM-L08=Motion Sensor for Dimming Operation, Up to 8' Mounting Height [11, 12, 13]
MS/DIM-L20=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height [11, 12, 13]
MS/DIM-L40=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height [11, 12, 13]
SPB1=Motion Sensor for Dimming Operation, BLE Interface, Up to 8' Mounting Height [11, 14]
SPB2=Motion Sensor for Dimming Operation, BLE Interface, 8' - 20' Mounting Height [11, 14, 27, 28]
SPB4=Motion Sensor for Dimming Operation, BLE Interface, 21' - 40' Mounting Height [11, 14, 28]
WPS2XX=Wavelinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting Height [11, 12, 15, 16, 17]
WPS4XX=Wavelinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting Height [11, 12, 15, 16, 17]
WLS2XX=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting [11, 12, 15, 16, 17]
WLS4XX=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting [11, 12, 15, 16, 17]
(See Table Below)=LumenSafe Integrated Network Security Camera [18, 19]

Accessories (Order Separately) [20, 21]

PRVSA-XX=Standard Arm Mounting Kit [22]
PRVMA-XX=Mast Arm Mounting Kit [22]
PRVWM-XX=Wall Mount Kit [22]
PRV-ADJA-XX=Adjustable Arm - Pole Mount Kit [22]
PRV-ADJS-XX=Adjustable Arm - Slipfitter Kit [22]
PRV-ADJA-WM-XX=Adjustable Arm - Wall Mount Kit [22]
PRVXLSA-XX=Standard Arm Mounting Kit [28]
PRVXLMA-XX=Mast Arm Mounting Kit [28]
PRVXLWM-XX=Wall Mount Kit [28]
PRV-XL-ADJA-XX=Adjustable Arm - Pole Mount Kit [28]
PRV-XL-ADJA-WM-XX= Adjustable Arm - Wall Mount Kit [28]
PRV-XL-ADJS-XX= Adjustable Arm - Slipfitter Kit [28]
PRV-M-ADJA-XX=Adjustable Arm - Pole Mount Kit [27]
PRV-M-ADJS-XX=Adjustable Arm - Slipfitter Kit [27]
PRV-M-ADJA-WM-XX=Adjustable Arm - Wall Mount Kit [27]
MA1010-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon
MA1011-XX=2@180°Tenon Adapter for 3-1/2" O.D. Tenon
MA1017-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon
MA1018-XX=2@180° Tenon Adapter for 2-3/8" O.D. Tenon
SRA238=Tenon Adapter from 3" to 2-3/8"
PRV/DIS-FDV=Full Drop Visor [23]
PRVXL/DIS-FDV=Full Drop Visor [18]
HSS-VP=House Side Shield Kit, Vertical Panel [7, 24]
HSS-HP=House Side Shield Kit, Horizontal Panel [7, 24]
VGS-ARCH= Panel Drop Shield, Short
VGL-ARCH= Panel Drop Shield, Long
OA/RA1013=Photocontrol Shorting Cap
OA/RA1014=NEMA Photocontrol - 120V
OA/RA1016=NEMA Photocontrol - Multi-Tap 105-285V
OA/RA1201=NEMA Photocontrol - 347V
OA/RA1027=NEMA Photocontrol - 480V
FSIR-100=Wireless Configuration Tool for Occupancy Sensor [25]
WOLC-7P-10A=WaveLinx Outdoor Control Module (7-PIN) [26]

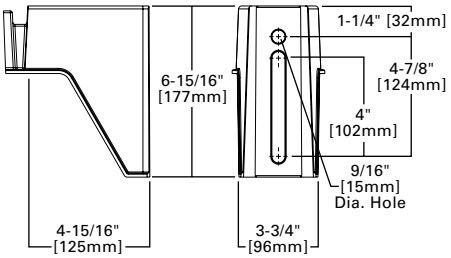
NOTES:
1. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
2. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for applications. Refer to installation instructions and pole white paper WP513001EN for additional support information.
3. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
4. Nominal drive currents shown here. For actual drive current by configuration, refer to Power and Lumens tables.
5. 480V not to be used with ungrounded or impedance grounded systems.
6. DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.signify.com/duravolt for more information.
7. House Side Shield not for use with 5WQ distribution.
8. Not available with PA1D light engine in Petite housing (PRV-P).
9. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654.
10. If High Voltage (H) or DuraVolt (DV) is specified, use a photocontrol that matches the input voltage used.
11. Controls system is not available in combination with a photocontrol receptacle (PR or PR7) or another controls system (MS SPB).
12. Option not available with High Voltage (H) or DuraVolt (DV). Must specify Universal (U), 347V (9), or 480V (8) voltage.
13. Utilizes the Wattstopper sensor FSP-211. Sensor color white unless specified otherwise via PDR. To field-configure, order FSIR-100 accessory separately.
14. Utilizes the Wattstopper sensor FSP-3XX series. Sensor color determined by product finish. See Sensor Color Reference Table. Field-configures via mobile application. See Controls section for details.
15. Sensor passive infrared (PIR) may be overly sensitive when operating below -20°C (-4°F).
16. In order for the device to be field-configurable, requires WAC Gateway components WAC-PoE and WPOE-120 in appropriate quantities. Only compatible with WaveLinx system and software and requires system components to be installed for operation. See website for more Wavelinx application information.
17. Replace XX with sensor color (WH, BZ or BK).
18. Only available in PRV-XL configurations.
19. Not available with High Voltage (H, DV, 8 or 9) or HA options. Consult LumenSafe system product pages for additional details and compatability information.
20. Replace XX with paint color.
21. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
22. Not for use with PRV-XL or PRV-M configurations.
23. Only for use with PRV. Not applicable to PRV-M, PRV-XL, or PRV-P.
24. Must order one per optic/LED when ordering as a field-installable accessory (1, 2, 3, 4, or 6). Refer to House Side Shield reference table for details.
25. This tool enables adjustment to Motion Sensor (MS) parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative for more information.
26. Requires 7-PIN NEMA twistlock photocontrol receptacle (PR7) option. The WOLC-7 cannot be used in conjunction with other controls systems (MS or LWR). Only for use at 120-347V.
27.Only available for PRV-M configurations.
28. Only for use with PRV-XL.
29. Fixed for PRV-M
30. Cannot be used with PR7 or other motion response control options.

LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

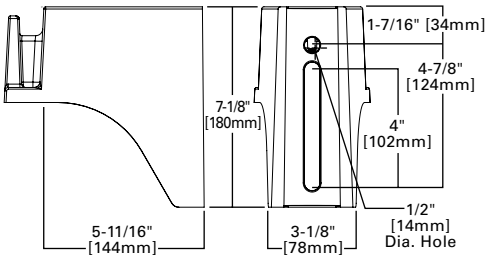
Product Family	Camera Type	Data Backhaul
L=LumenSafe Technology	**H**=Dome Camera, High Res **Z**=Dome Camera, Remote PTZ	**C**=Cellular, Customer Installed SIM Card **A**=Cellular, Factory Installed AT&T SIM Card **V**=Cellular, Factory Installed Verizon SIM Card **S**=Cellular, Factory Installed Sprint SIM Card **E**=Ethernet Networking

Mounting Details

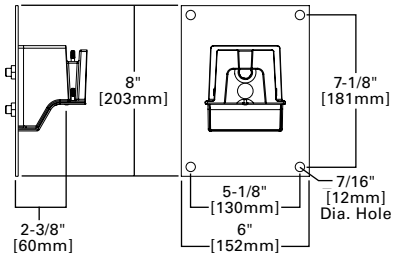
SA=QM Pole Mount Arm (PRV & PRV-P)



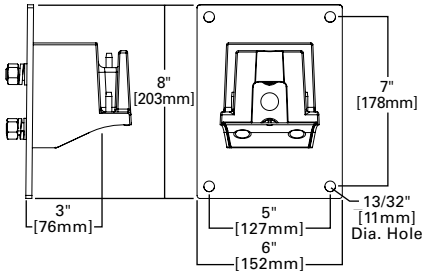
SA=QM Pole Mount Arm (PRV-XL)



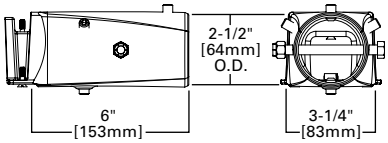
WM=QM Wall Mount Arm (PRV & PRV-P)



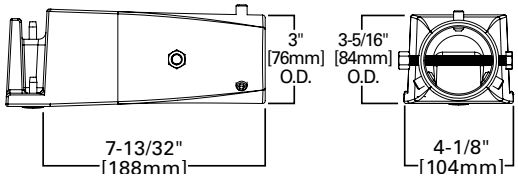
WM=QM Wall Mount Arm (PRV-XL)



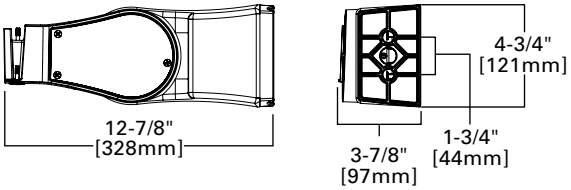
MA=QM Mast Arm (PRV & PRV-P)



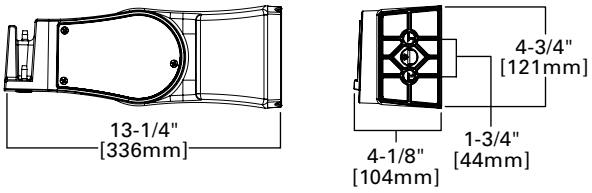
MA=QM Mast Arm (PRV-XL)



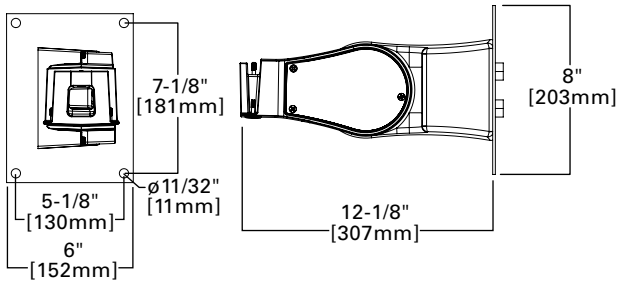
ADJA=Adjustable Arm Pole Mount (PRV & PRV-P)



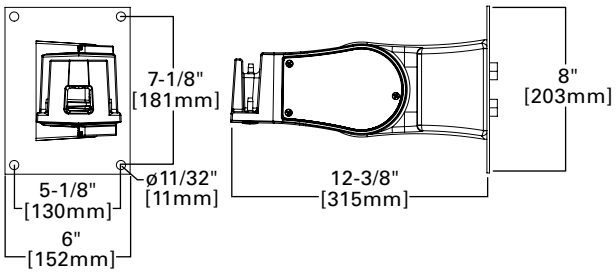
ADJA=Adjustable Arm Pole Mount (PRV-XL)



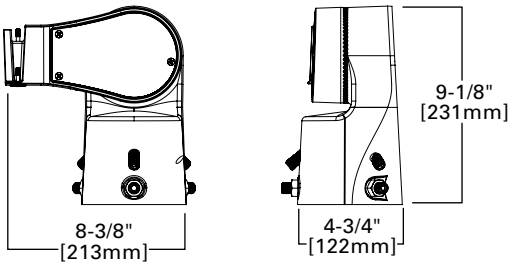
ADJA-WM=Adjustable Arm Wall Mount (PRV & PRV-P)



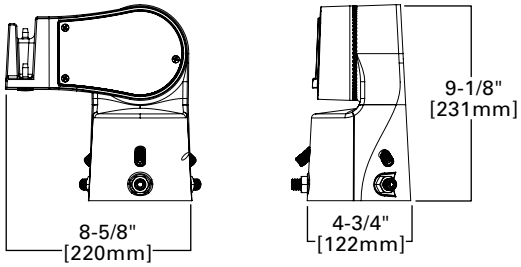
ADJA-WM=Adjustable Arm Wall Mount (PRV-XL)



ADJS=Adjustable Slipfitter 3 (PRV & PRV-P)

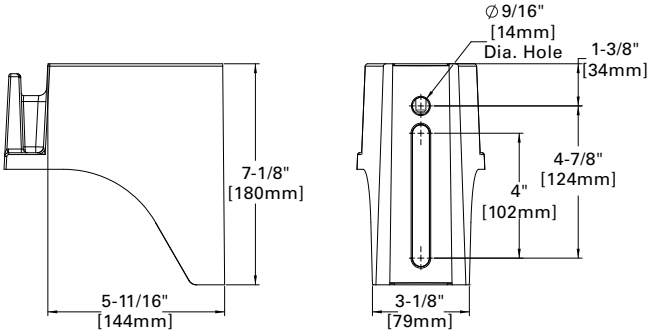


ADJS=Adjustable Slipfitter 3 (PRV-XL)

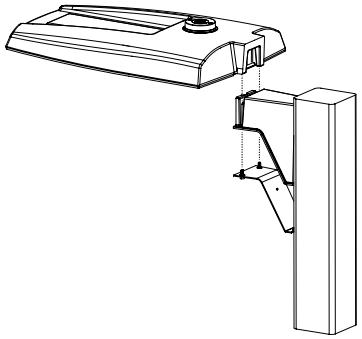


Mounting Details

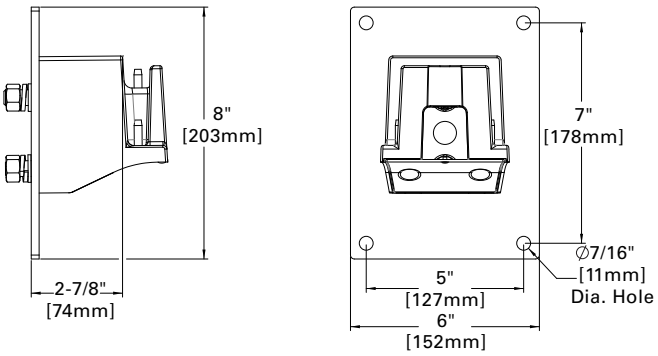
SA=QM Pole Mount Arm (PRV-M)



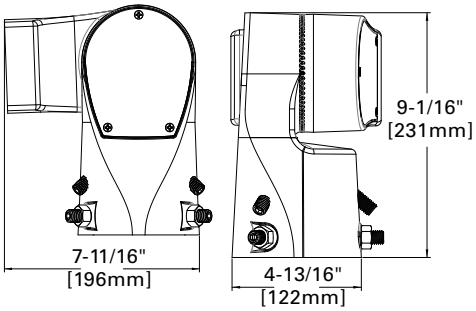
Versatile Mount System



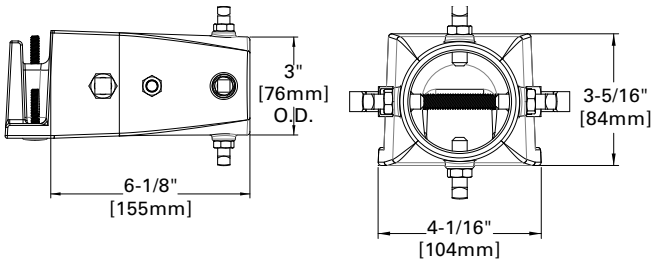
WM=QM Wall Mount Arm (PRV-M)



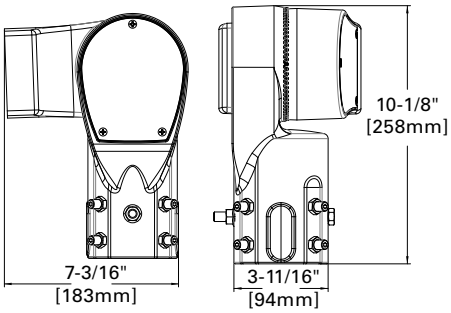
ADJS=Adjustable Slipfitter (PRV-M)



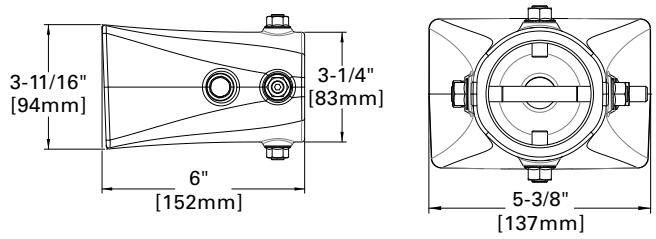
MA=QM Mast Arm (PRV-M)



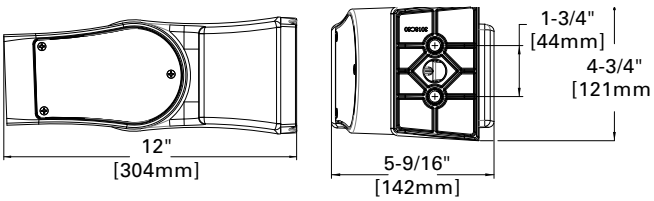
SP2=Adjustable Slipfitter 2-3/8" (PRV-M)



FMA=Fixed Mast Arm (PRV-M)



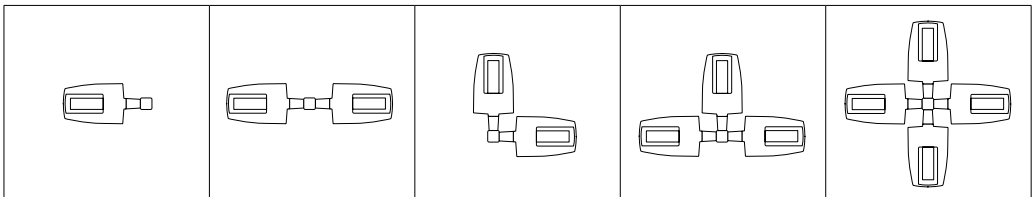
ADJA=Adjustable Pole Mount Arm (PRV-M)



Mounting Details

Mounting Configurations and EPAs

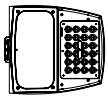
NOTE: For 2 PRV's mounted at 90°, requires minimum 3" square or 4" round pole for fixture clearance. For 2 PRV-XL's mounted at 90°, requires minimum 4" square or round pole for fixture clearance. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for applications



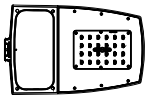
Housing Size	Tilt Angle (Degrees)	Arm Mount Single	Arm Mount 2 @ 180°	Arm Mount 2 @ 90°	Arm Mount 3 @ 90°	Arm Mount 4 @ 90°
Prevail Petite	0°	0.54	1.08	0.84	1.38	1.38
	60°	1.68	1.85	2.42	3.15	3.30
Prevail	0°	0.92	1.35	1.42	1.63	1.63
	60°	2.20	2.40	3.05	3.88	4.07
	60° + Full Drop Visor	2.20	2.40	3.25	4.28	4.47
Prevail XL	0°	1.12	2.25	2.13	2.52	2.52
	60°	3.99	4.30	5.26	6.51	6.79
	60° + Full Drop Visor	3.99	4.30	5.59	7.17	7.49
Prevail Maxx	0°	1.28	2.56	1.7	2.69	2.69
	60°	5.09	5.52	6.34	7.49	7.81

Optical Configurations

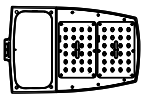
PRV-P-PA1X



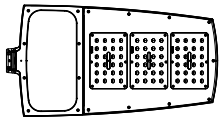
PRV-PA1X



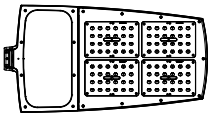
PRV-PA2X



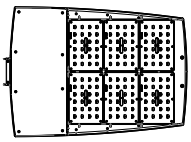
PRV-XL-PA3X



PRV-XL-PA4X

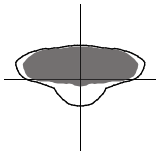


PRV-M-PA6X

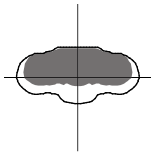


Optical Distributions

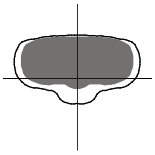
T2R
(Type II Roadway)



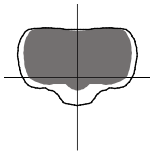
T2U
(Type II Urban)



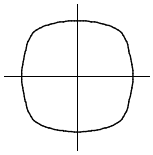
T3
(Type III)



T4W
(Type IV Wide)



5WQ
(Type V Square Wide)



= Distribution with House Side Shield (HSS)

= Optical Distribution

Product Specifications

Construction

- Single-piece die-cast aluminum housing
- Tethered die-cast aluminum door

Optics

- Dark Sky Approved (3000K CCT and warmer only)
- Precision molded polycarbonate optics

Electrical

- -40°C minimum operating temperature
- 40°C maximum operating temperature
- >.9 power factor
- <20% total harmonic distortion
- Class 1 electronic drivers have expected life of 100,000 hours with <1% failure rate
- 0-10V dimming driver is standard with leads external to the fixture
- Standard MOV surge protective device designed to withstand 10kV of transient line surge
- Luminaire available with the field adjustable dimming controller (FADC) to manually adjust wattage and reduce the total lumen output and light levels; Comes pre-set to the highest position at the lumen output selected

Mounting

- Versatile, patented, standard mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8" (Type M drilling recommended for new installations)
- A knock-out on the standard mounting arm enables round pole mounting
- Adjustable pole and wall mount arms adjust in 5° increments from 0° to 60°; Downward facing orientation only (Type N drilling required for ADJA mount)
- Adjustable slipfitter arm adjusts in 5° increments from -5° to 85°; Downward facing orientation only
- Prevail and Prevail Petite: 3G vibration rated (all arms)
- Prevail XL Mast Arm: 3G vibration rated
- Prevail XL Standard Arm: 1.5G vibration rated
- Adjustable Arms: 1.5G vibration rated

Finish

- Five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness
- Finish is compliant to 3,000 hour salt spray standard (per ASTM B117)

Typical Applications

- Parking lots, Walkways, Roadways and Building Areas

Shipping Data

- Prevail Petite: 18 lbs. (7.94 kgs.)
- Prevail: 20 lbs. (9.09 kgs.)
- Prevail XL: 45 lbs. (20.41 kgs.)
- Prevail Maxx: 49 lbs. (22.23 kgs.)

Warranty

- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

Energy and Performance Data

Power and Lumens

View PRV-P IES files | View PRV IES files | View PRV-XL IES files

Product Family		Prevail Petite				Prevail				Prevail XL				Prevail Maxx			
Light Engine		PA1A	PA1B	PA1C	PA1D	PA1A	PA1B	PA2A	PA2B	PA3A	PA3B	PA4A	PA4B	PA6A	PA6B	PA6C	PA6D
Power (Watts)		31	53	72	93	54	74	113	151	172	234	245	303	274	366	457	544
Drive Current (mA)		375	670	930	1200	670	930	720	970	750	980	785	970	600	800	1000	1200
Input Current @ 120V (A)		0.26	0.44	0.60	0.78	0.45	0.62	0.93	1.26	1.44	1.95	2.04	2.53	2.30	3.05	3.83	4.54
Input Current @ 277V (A)		0.12	0.20	0.28	0.35	0.21	0.28	0.41	0.55	0.62	0.85	0.93	1.12	0.99	1.30	1.62	1.94
Input Current @ 347V (A)		0.10	0.17	0.23	0.29	0.17	0.23	0.33	0.45	0.52	0.70	0.74	0.90	0.78	1.05	1.32	1.60
Input Current @ 480V (A)		0.07	0.13	0.17	0.22	0.12	0.17	0.24	0.33	0.39	0.52	0.53	0.65	0.58	0.76	0.95	1.14
Distribution																	
Type II Roadway	4000K/5000K Lumens	4,505	7,362	9,495	11,300	7,605	9,896	15,811	19,745	24,718	30,648	34,067	39,689	41,611	52,596	61,921	67,899
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	147	139	132	121	141	134	141	131	144	131	139	131	152	144	135	125
	3000K Lumens [1]	4,103	6,705	8,647	10,291	6,926	9,012	14,399	17,982	22,511	27,912	31,025	36,145	37,896	47,900	56,392	61,837
Type II Roadway w/ HSS	4000K/5000K Lumens	3,727	6,091	7,855	9,349	6,006	7,815	12,487	15,594	19,521	24,204	26,094	31,334	32,874	41,553	48,919	53,642
	BUG Rating	B0-U0-G1	B0-U0-G2	B0-U0-G2	B1-U0-G2	B0-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G4	B1-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5
	Lumens per Watt	121	115	109	100	111	106	111	103	113	103	107	103	120	114	107	99
	3000K Lumens [1]	3,394	5,547	7,154	8,514	5,470	7,117	11,372	14,201	17,778	22,043	24,502	28,545	29,939	37,843	44,552	48,853
Type II Urban	4000K/5000K Lumens	4,496	7,347	9,476	11,277	7,597	9,886	15,795	19,724	24,692	30,616	34,031	39,647	41,372	52,294	61,565	67,509
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	146	139	131	121	141	134	141	131	144	131	139	131	151	143	135	124
	3000K Lumens [1]	4,095	6,691	8,630	10,271	6,919	9,003	14,384	17,963	22,488	27,882	30,992	36,107	37,678	47,625	56,068	61,481
Type II Urban w/ HSS	4000K/5000K Lumens	3,253	5,316	6,856	8,160	5,297	6,893	11,013	13,753	17,217	21,347	23,728	27,644	28,951	36,594	43,082	47,241
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	106	101	95	87	98	93	97	91	100	91	97	91	106	100	94	87
	3000K Lumens [1]	2,963	4,841	6,244	7,431	4,824	6,277	10,029	12,525	15,680	19,441	21,609	25,176	26,366	33,327	39,235	43,023
Type III	4000K/5000K Lumens	4,443	7,261	9,364	11,145	7,575	9,857	15,749	19,667	24,621	30,527	33,932	39,532	41,155	52,020	61,242	67,155
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	145	138	130	119	140	133	141	130	143	130	138	130	150	142	134	123
	3000K Lumens [1]	4,046	6,612	8,528	10,150	6,899	8,977	14,343	17,911	22,423	27,802	30,903	36,002	37,480	47,375	55,774	61,159
Type III w/ HSS	4000K/5000K Lumens	3,406	5,566	7,179	8,543	5,592	7,277	11,626	14,519	18,176	22,536	25,049	29,183	30,159	38,121	44,879	49,212
	BUG Rating	B0-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	111	105	100	91	104	98	103	96	106	96	102	96	110	104	98	90
	3000K Lumens [1]	3,102	5,069	6,538	7,781	5,093	6,627	10,588	13,222	16,553	20,524	22,813	26,578	27466	34717	40872	44818
Type IV Wide	4000K/5000K Lumens	4,348	7,106	9,164	10,906	7,484	9,738	15,560	19,431	24,325	30,161	33,525	39,057	41,207	52,086	61,320	67,240
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	142	135	127	117	139	132	139	129	141	129	137	129	151	142	134	124
	3000K Lumens [1]	3,960	6,471	8,346	9,932	6,816	8,869	14,170	17,696	22,153	27,468	30,531	35,570	37,528	47,435	55,845	61,236
Type IV Wide w/ HSS	4000K/5000K Lumens	3,318	5,422	6,993	8,323	5,420	7,053	11,268	14,072	17,617	24,843	24,279	28,286	30,005	37,926	44,650	48,961
	BUG Rating	B0-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	108	103	97	89	100	95	100	93	102	106	99	93	110	104	98	90
	3000K Lumens [1]	3,022	4,938	6,369	7,580	4,936	6,423	10,262	12,816	16,044	19,892	22,111	25,760	27,326	34,540	40,664	44,589
Type V Square Wide	4000K/5000K Lumens	4,497	7,349	9,478	11,280	7,831	10,190	16,281	20,332	25,453	31,559	35,079	40,868	42,947	54,285	63,909	70,079
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B3-U0-G2	B4-U0-G3	B4-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	146	139	131	121	145	138	145	135	148	135	143	135	157	143	136	129
	3000K Lumens [1]	4,095	6,693	8,632	10,273	7,132	9,280	14,827	18,517	23,180	28,741	31,947	37,219	39,112	49,438	58,203	63,822

NOTES:

1. For 3000K or HSS BUG Ratings, refer to published IES files

Energy and Performance Data

House Side Shield Reference Table

Product Family		Prevail	Prevail		Prevail XL		Prevail Maxx
Light Engine		PA1	PA1	PA2	PA3	PA4	PA6
Rotated Optics	Standard	HSS-HP (Qty 1)	HSS-VP (Qty 1)	HSS-HP (Qty 2)	HSS-HP (Qty 3)	HSS-VP (Qty 4)	HSS-HP (qty 6)
	L90 or R90 option	HSS-VP (Qty 1)	HSS-HP (Qty 1)	HSS-VP (Qty 2)	HSS-VP (Qty 3)	HSS-HP (Qty 4)	HSS-VP (qty 6)

Sensor Color Reference Table (SPBx)

Housing Finish	Sensor Color
AP=Grey	Grey
BZ=Bronze	Bronze
BK=Black	Black
DP=Dark Platinum	Grey
GM=Graphite Metallic	Black
WH=White	White

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

FADC Settings

FADC Postion	Percent of Typical Lumen Output
1	25%
2	48%
3	55%
4	62%
5	72%
6	77%
7	82%
8	85%
9	90%
10	100%

Note: +/-5% typical value

Lumen Maintenance

Ambient Temperature	TM-21 Lumen Maintenance (78,000 Hours)	Theoretical L70 (Hours)
Up to 50°C	96.76%	> 896,000

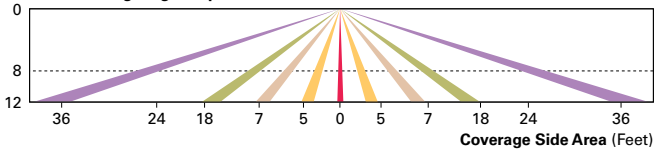
Control Options

0-10V This fixture provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

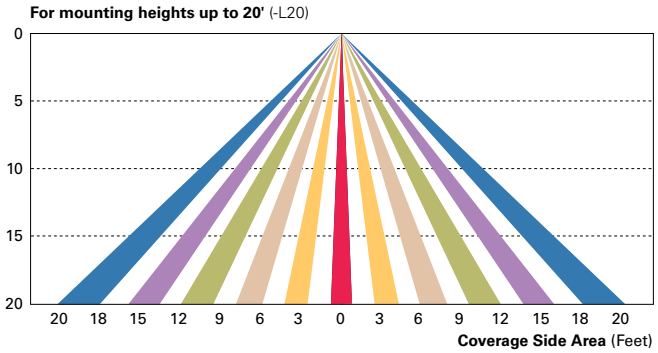
Photocontrol (PR and PR7) Photocontrol receptacles provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-PIN standards can be utilized with the PR7 receptacle.

Dimming Occupancy Sensor (SPB, MS/DIM-LXX) These sensors are factory installed in the luminaire housing. When the SPB or MS/DIM sensor options are selected, the luminaire will dim down after five minutes of no activity detected. When activity is detected, the luminaire returns to full light output. These occupancy sensors include an integral photocell for "dusk-to-dawn" control or "daylight harvesting." Factory default is enabled for the MS sensors and disabled for the SPB. SPB motion sensors require the Sensor Configuration mobile application by Wattstopper to change factory default dimming level, time delay, sensitivity and other parameters. Available for iOS and Android devices. The SPB sensor is factory preset to dim down to approximately 10% power with a time delay of five minutes.

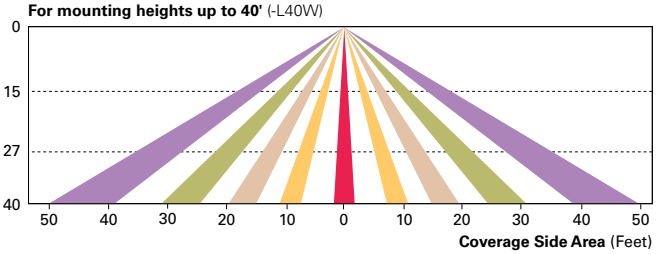
For mounting heights up to 8' (-L08)



For mounting heights up to 20' (-L20)



For mounting heights up to 40' (-L40W)

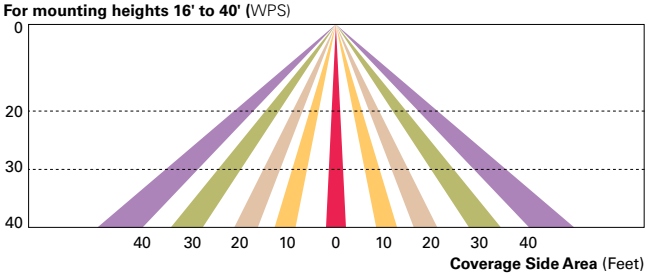


WaveLinx Wireless Control and Monitoring System Available in 7-PIN or 4-PIN configurations, the WaveLinx Outdoor control platform operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets).

WaveLinx Outdoor Control Module (WOLC-7P-10A) A photocontrol that enables astronomic or time-based schedules to provide ON, OFF and dimming control of fixtures utilizing a 7-PIN receptacle. The out-of-box functionality is ON at dusk and OFF at dawn.

WaveLinx PRO Wireless Sensor (WPS2 and WPS4) These outdoor sensors offer passive infrared (PIR) occupancy sensing and a photocell for closed-loop daylight sensing. These sensors are factory preset to dim down to approximately 50 percent power after 15 minutes of no activity detected, and the photocell for "dusk-to-dawn" control is default enabled. A variety of sensor lenses are available to optimize the coverage pattern for mounting heights from 7'-40'.

For mounting heights 16' to 40' (WPS)



LumenSafe (LD) The LumenSafe integrated network camera is a streamlined, outdoor-ready camera that provides high definition video surveillance. This IP camera solution is optimally designed to integrate into virtually any video management system or security software platform of choice. No additional wiring is needed beyond providing line power to the luminaire. LumenSafe features factory-installed power and networking gear in a variety of networking options allowing security integrators to design the optimal solution for active surveillance.