



ZOR SHRINE Development





LAKE MENDOTA

LAKE MONONA

LAKE WINGRA

Site Location

WISCONSIN STATE CAPITOL

UW-MADISON CAMPUS

PROJECT SITE

Current Site Layout



Renderings



Renderings





FIBER CEMENT BOARD AND BATTEN SIDING



FIBER CEMENT LAP SIDING

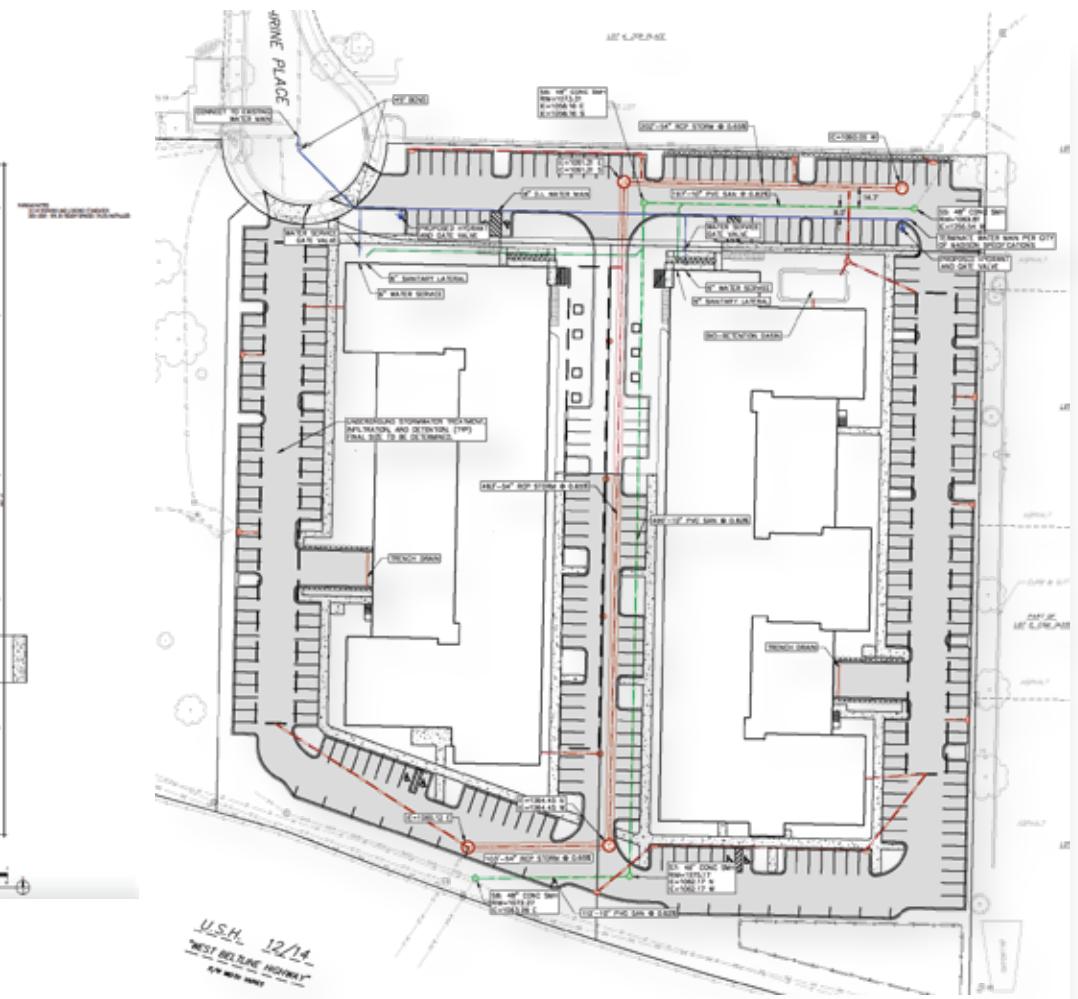
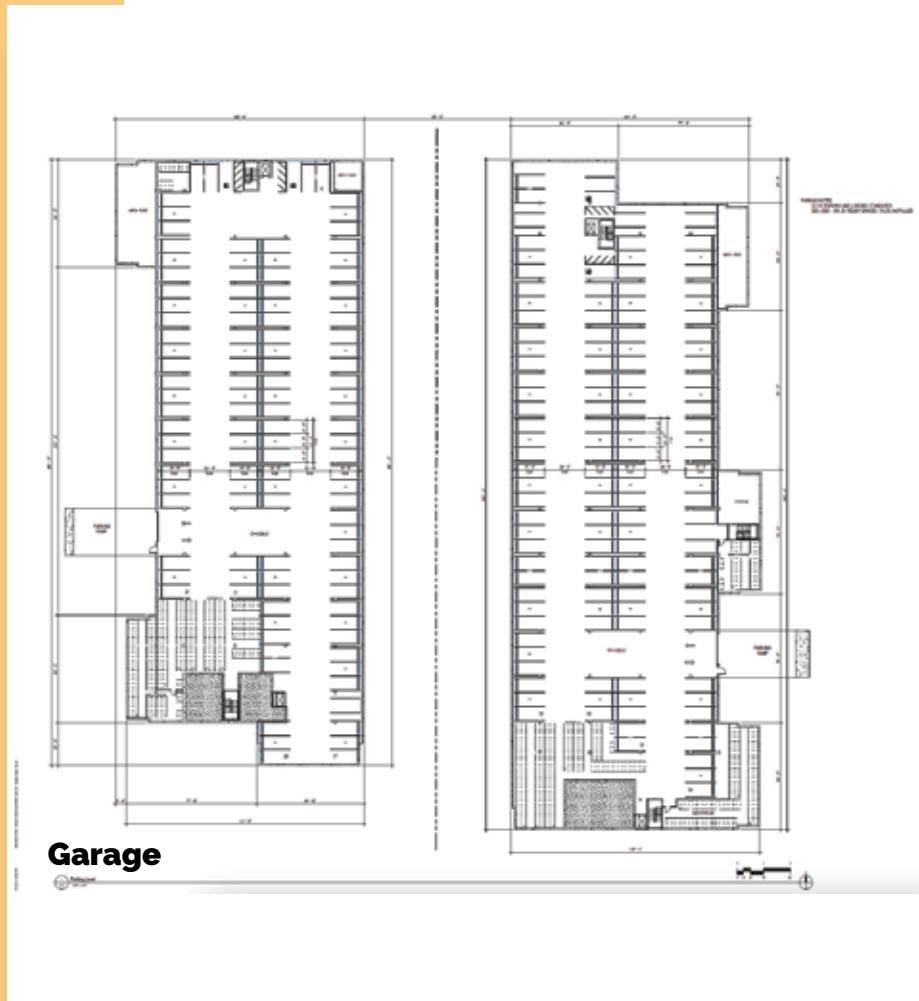


ROCK FACE CEMENT MASONRY BASE



FIBER CEMENT CEDAR-LOOK PLANK SIDING

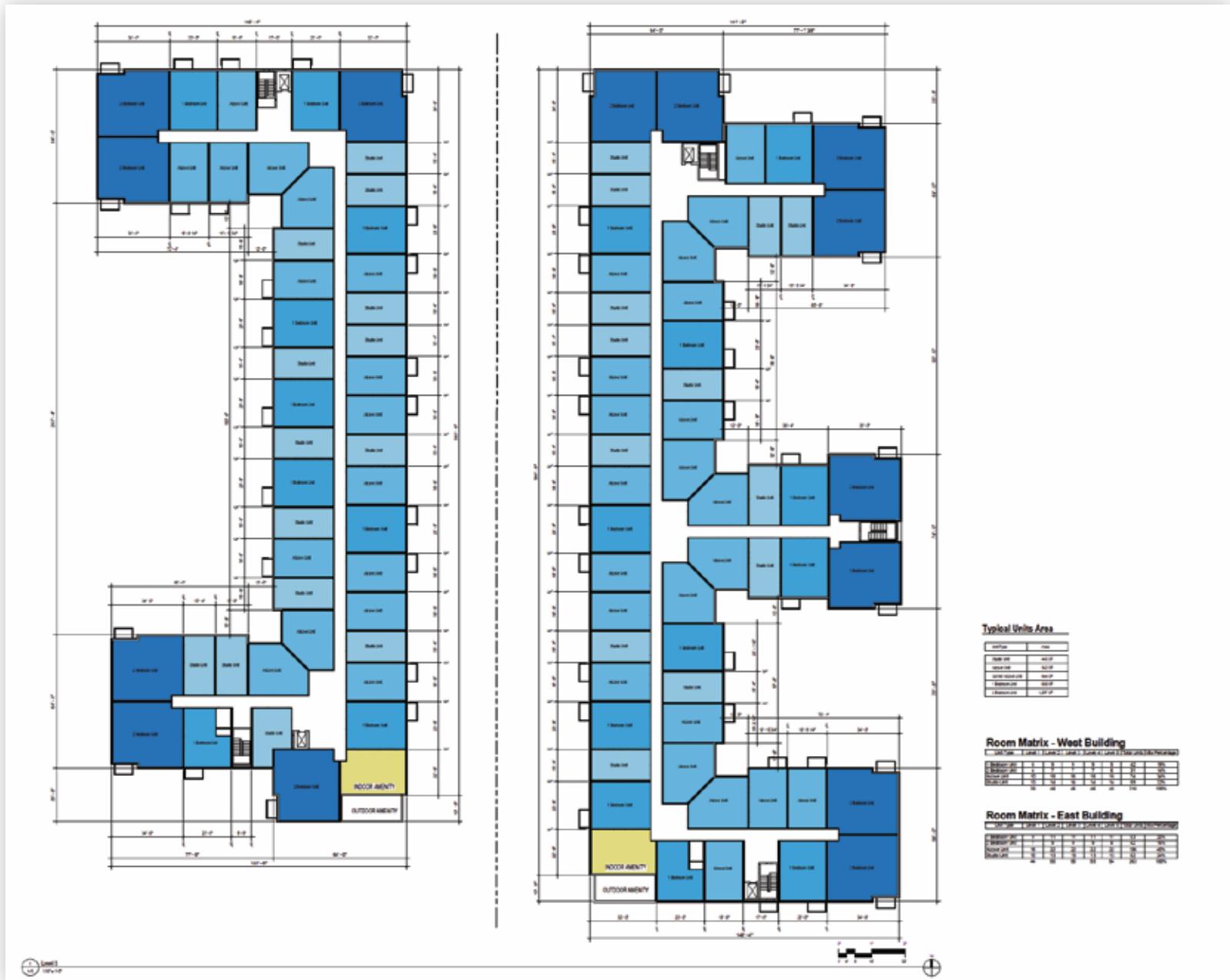
Site Plan



Property Layout - First Floor



Property Layout - Garage



Signage

West Signage

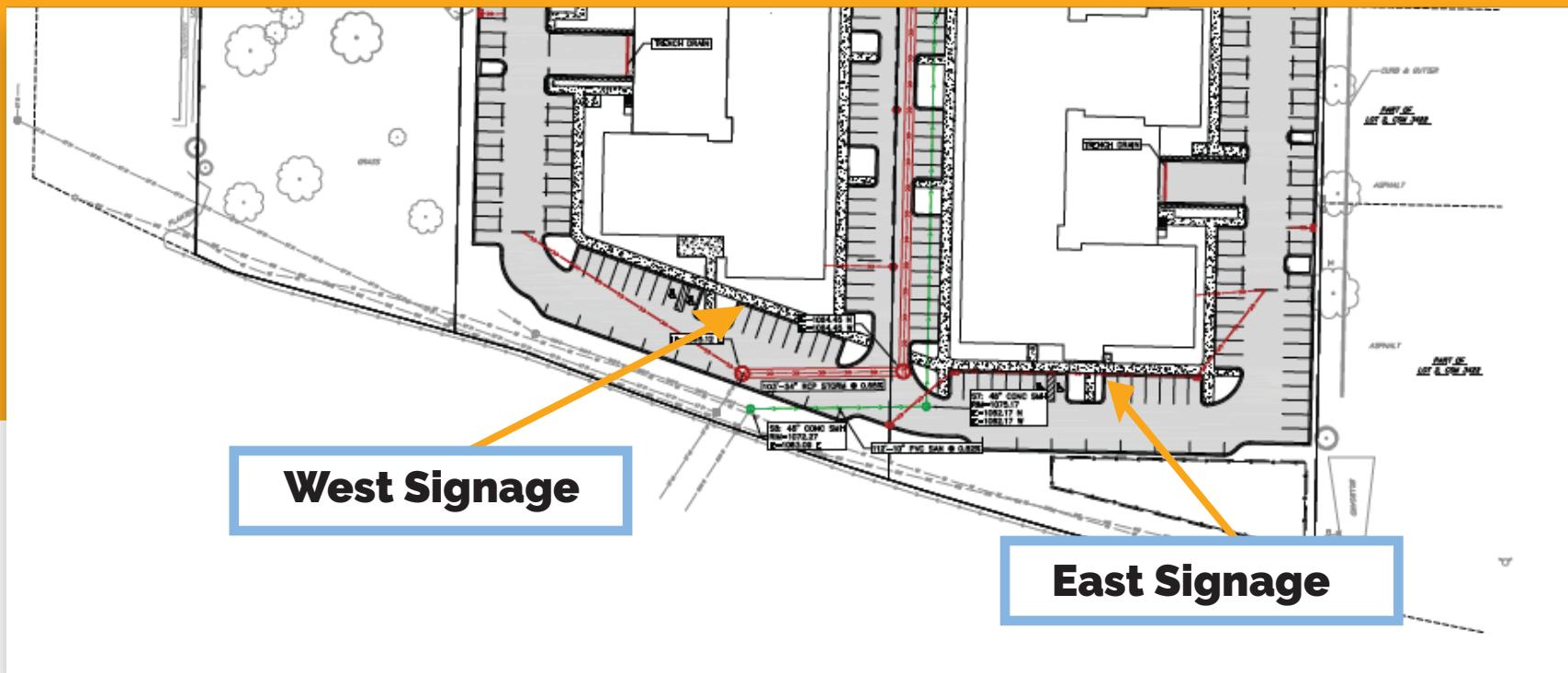


East Signage



West Signage

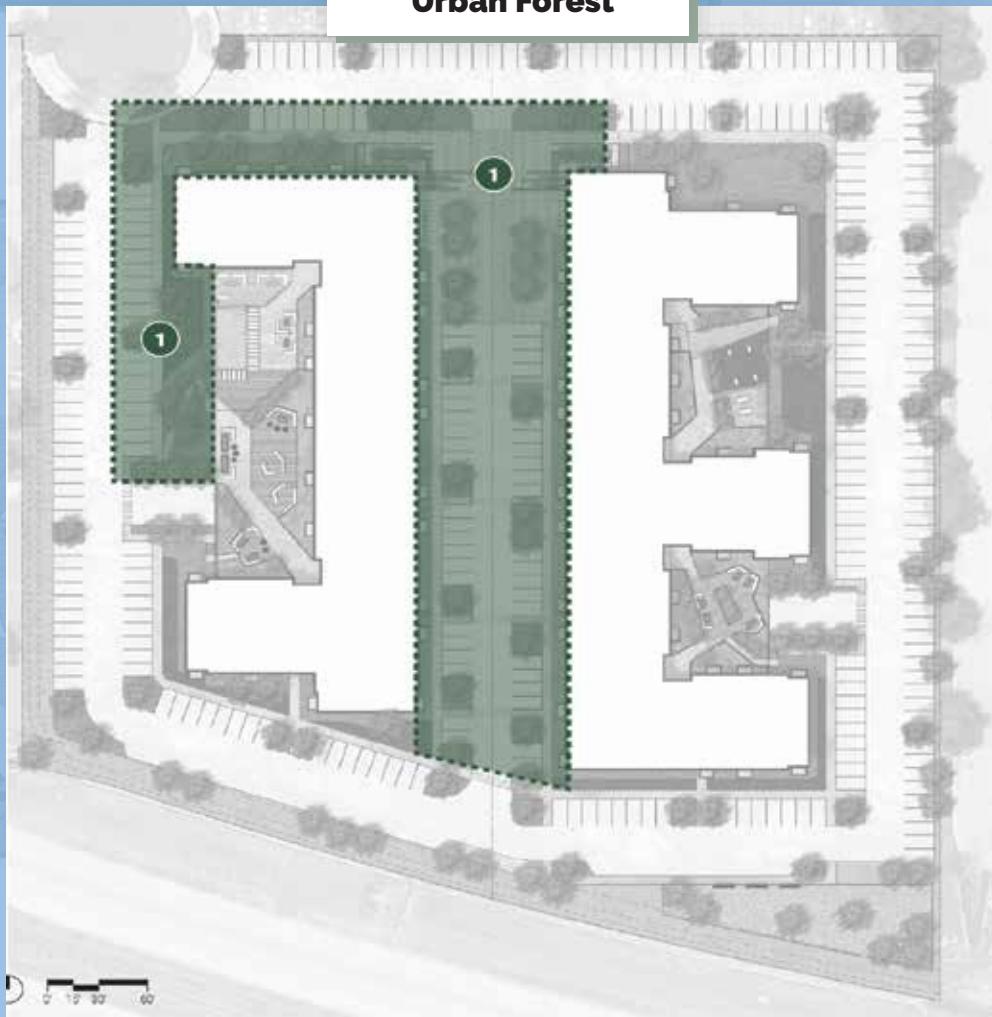
East Signage



Beabalm



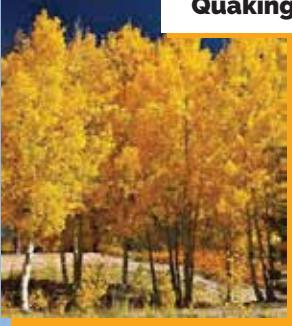
Urban Forest



Whitespire Birch



Quaking Aspen



Sem Ash Leaf Spirea



Autumn Brilliance Serviceberry



Lady In Red Fern



Kobold Liatris



Japanese Forest Grass

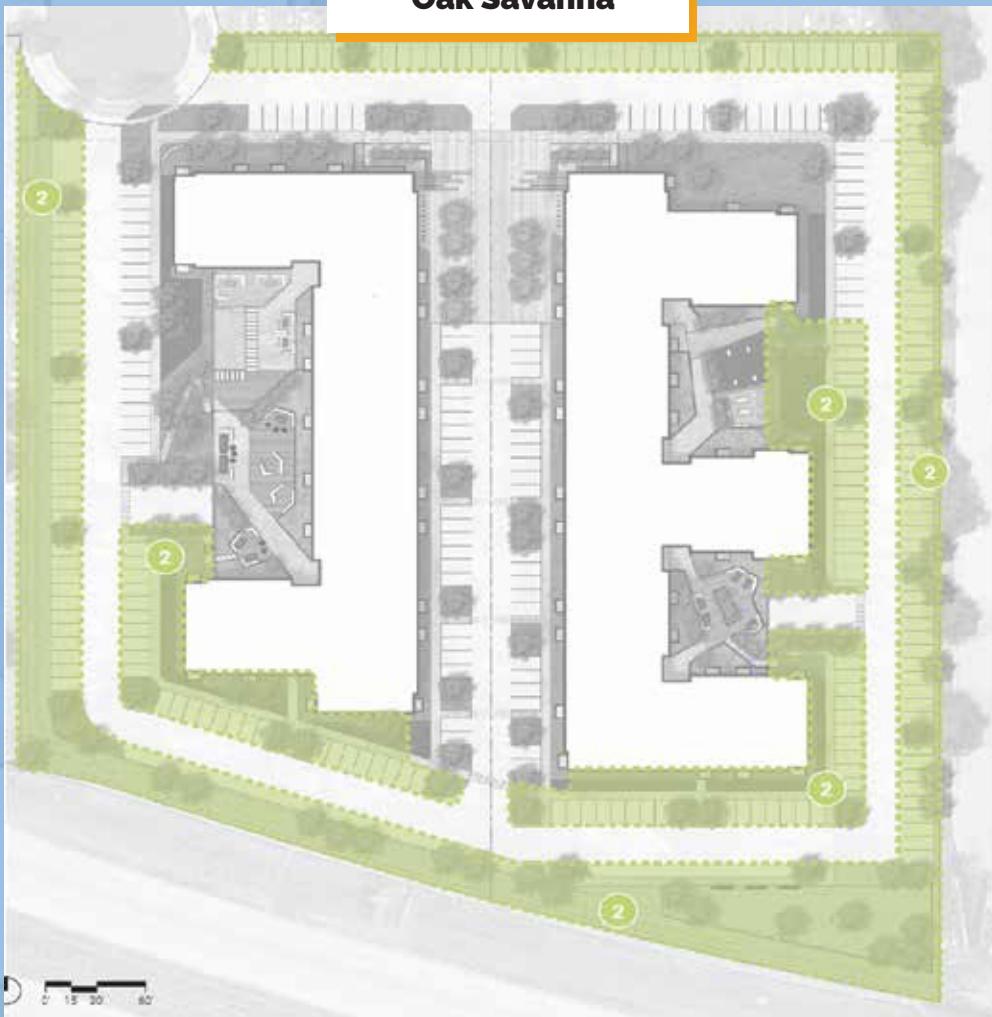


Black Eyed Susan

Bur Oak



Oak Savanna



Muskingum Dogwood



Northern Pin Oak



Accolade Elm



Butterfly Milkweed



Little Bluestem



Switchgrass



Purple Coneflower



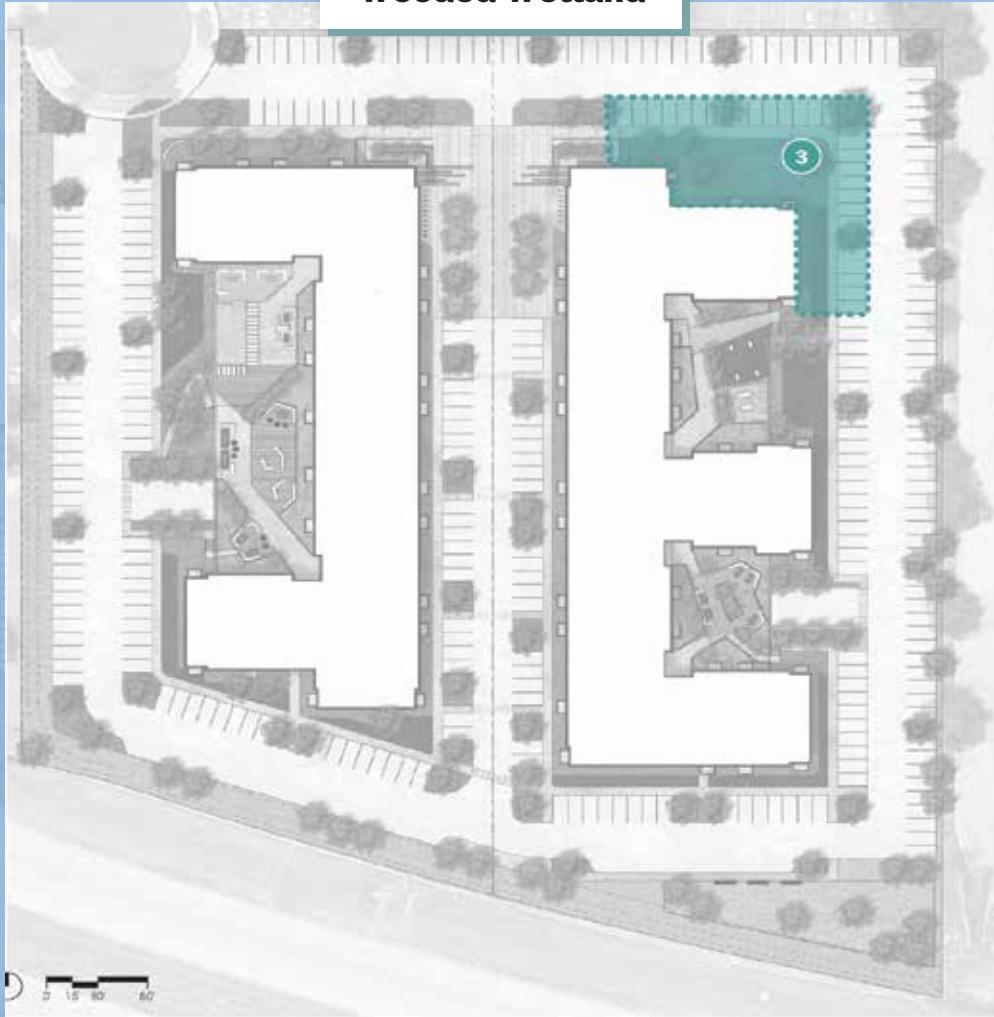
Red Osier Dogwood



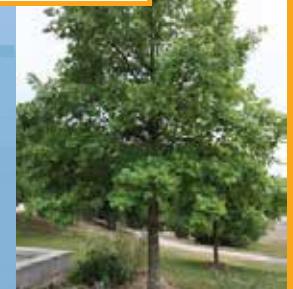
Royal Fern



Wooded Wetland



Swamp White Oak



Nannyberry



River Birch



Black Chokeberry



Cardinal Flower



New England Aster



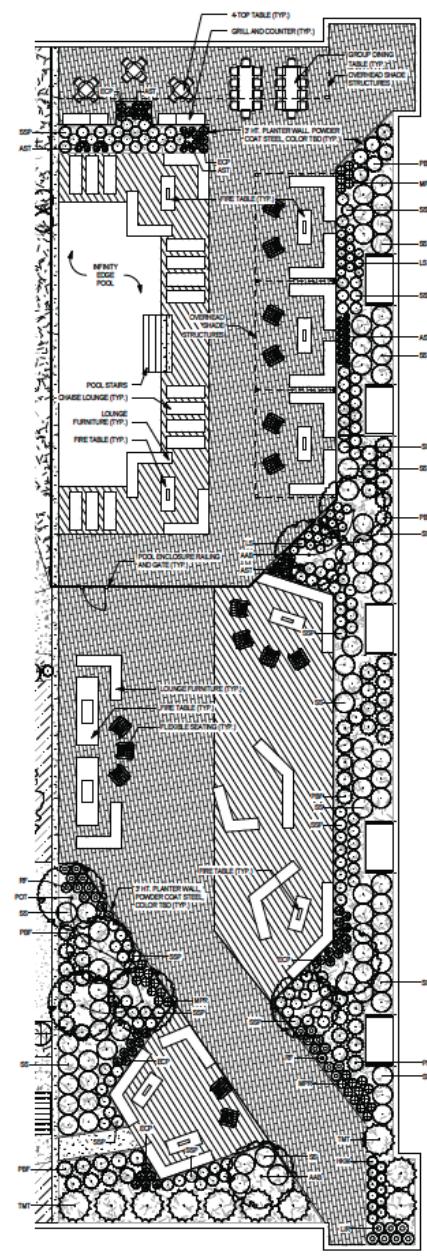
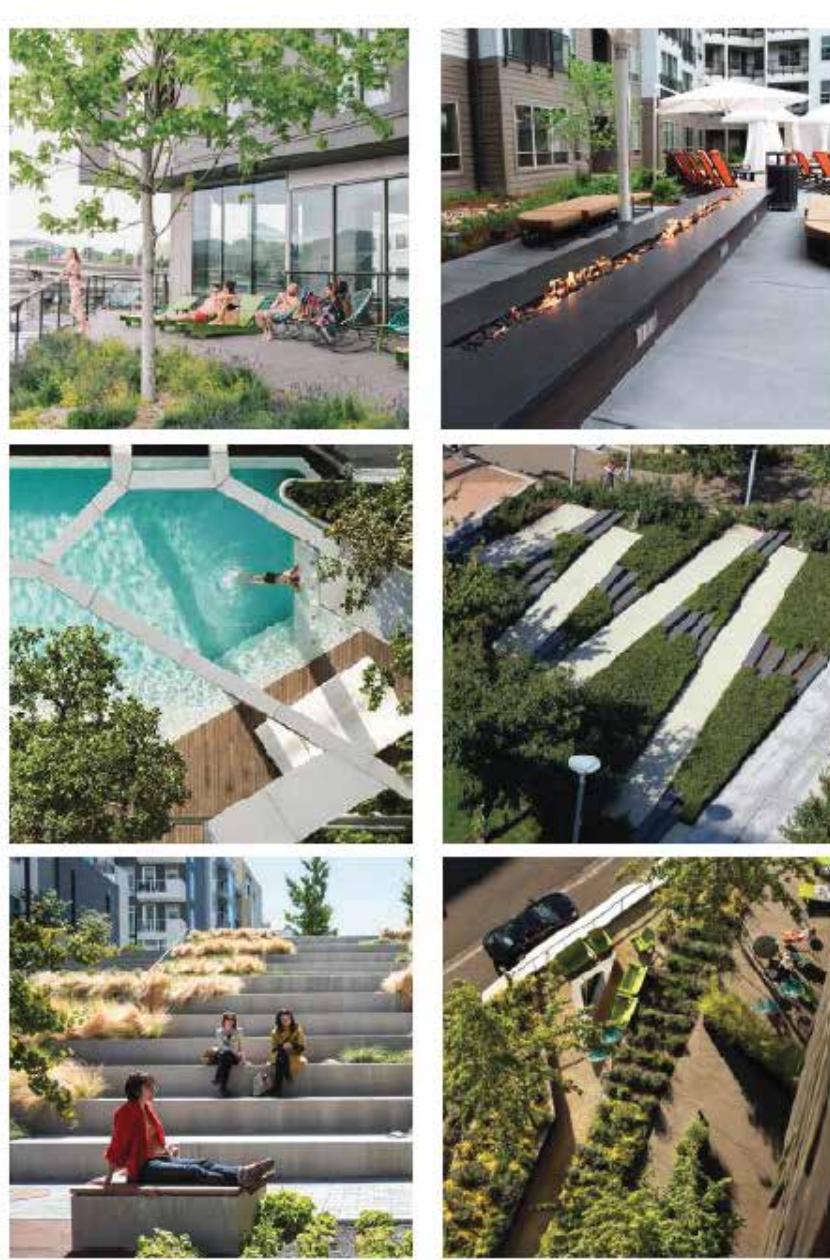
Canada Blue-Joint Grass



Blue Lobelia

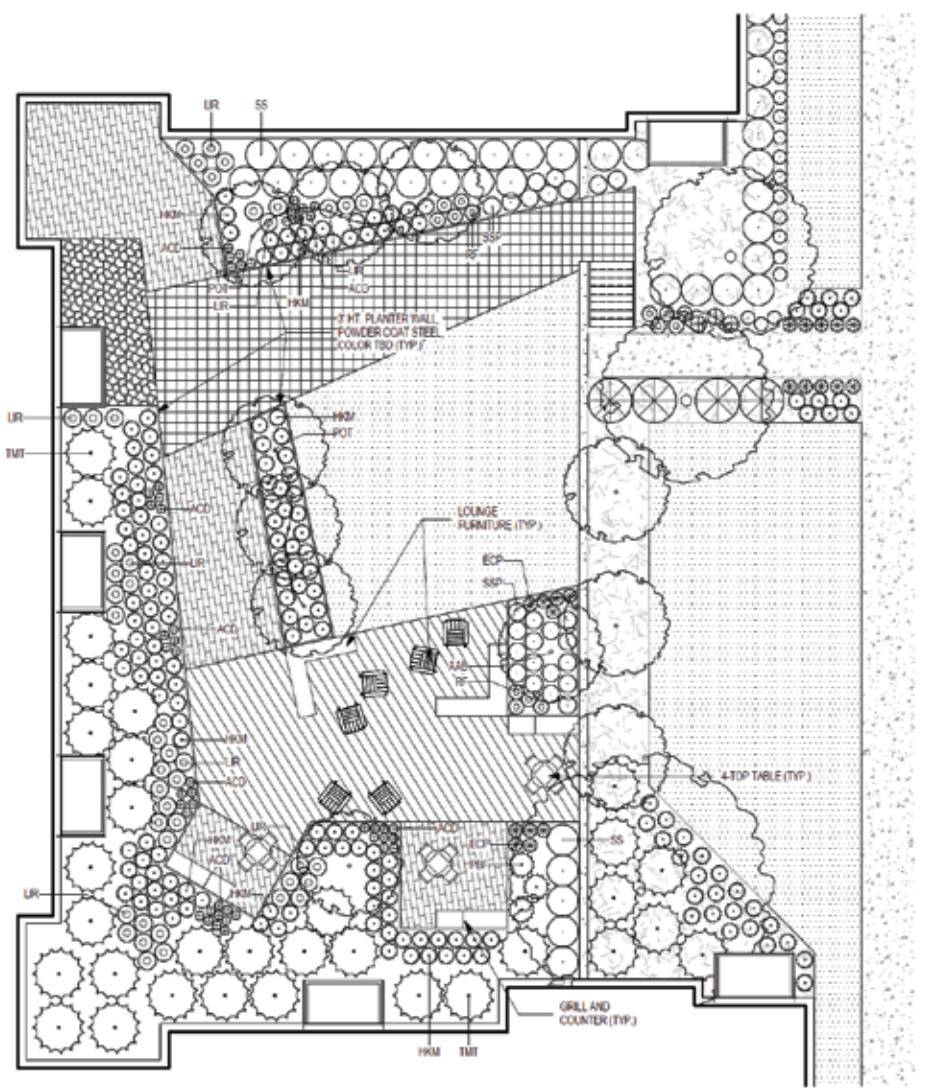


Amenity Deck - 1



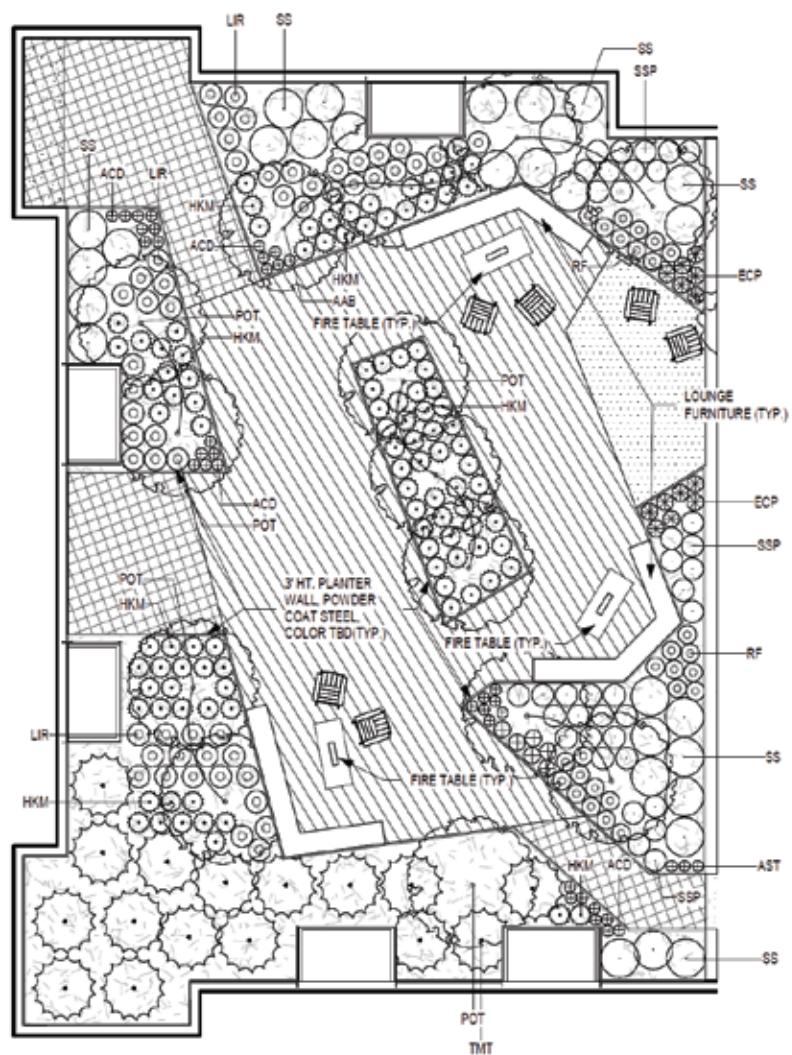
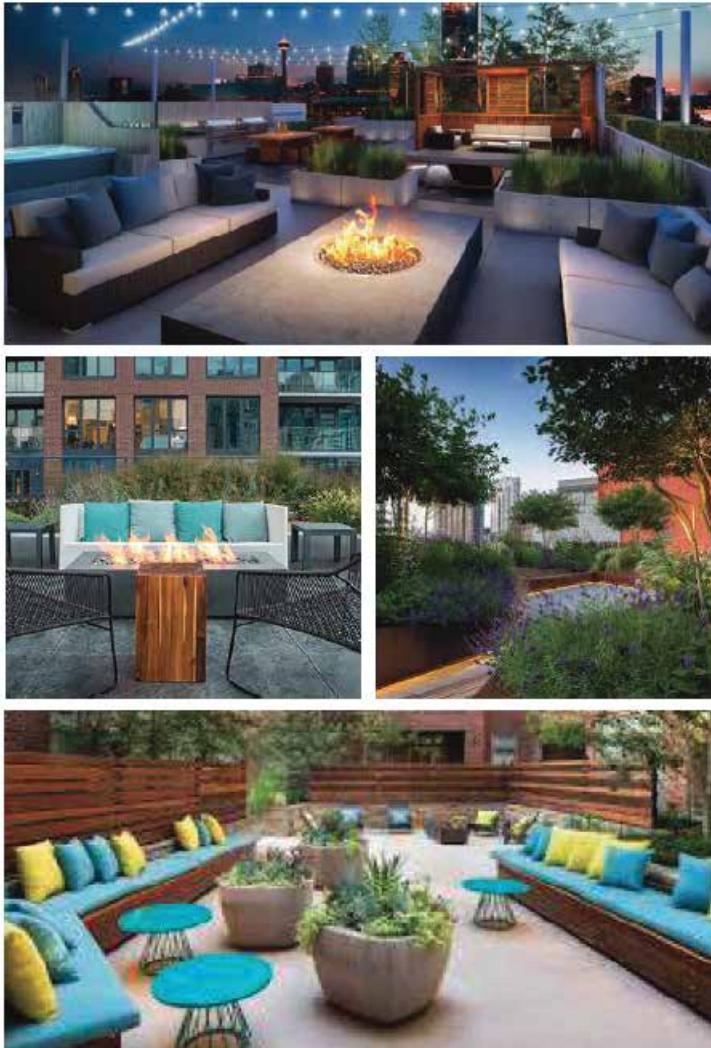


Amenity Deck - 2





Amenity Deck - 3





Thank you

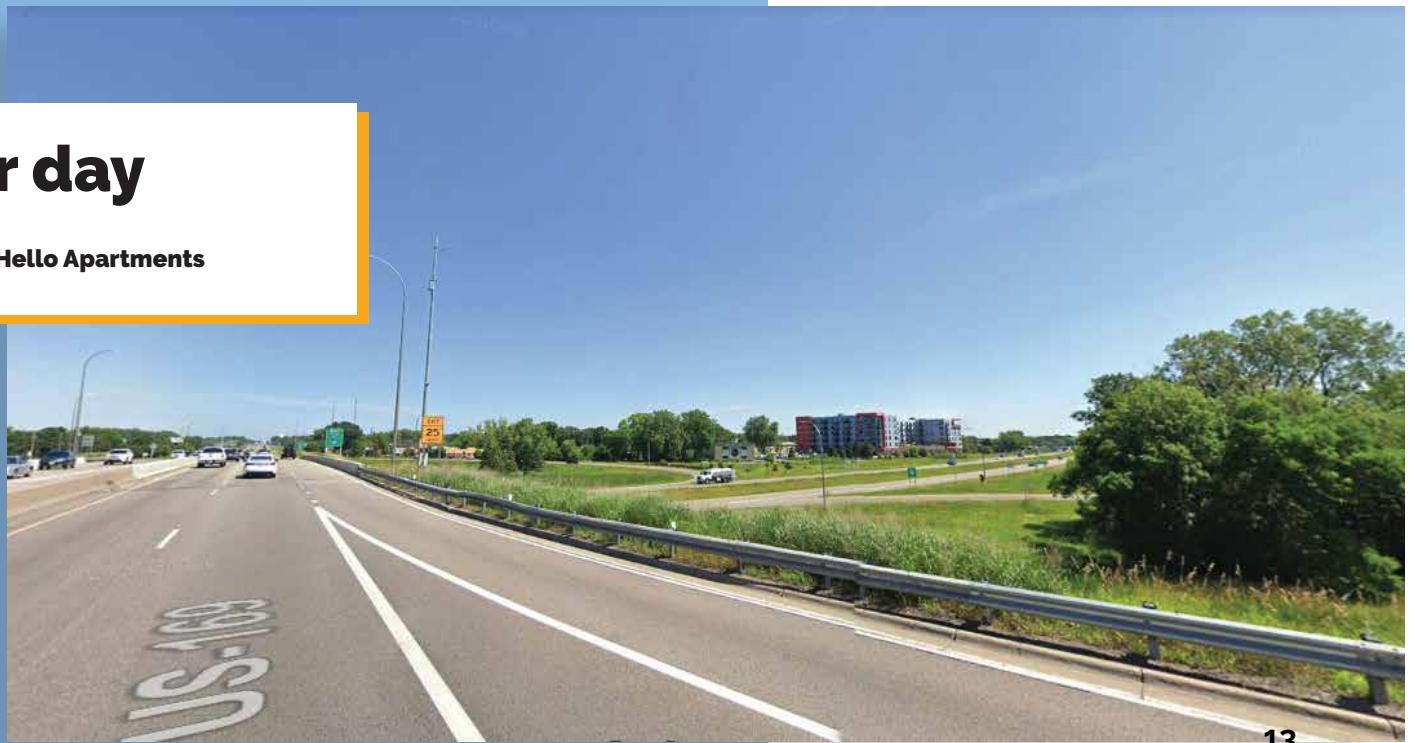
**38,000 cars per day
off 55 (2016)**

*Hello Apartments



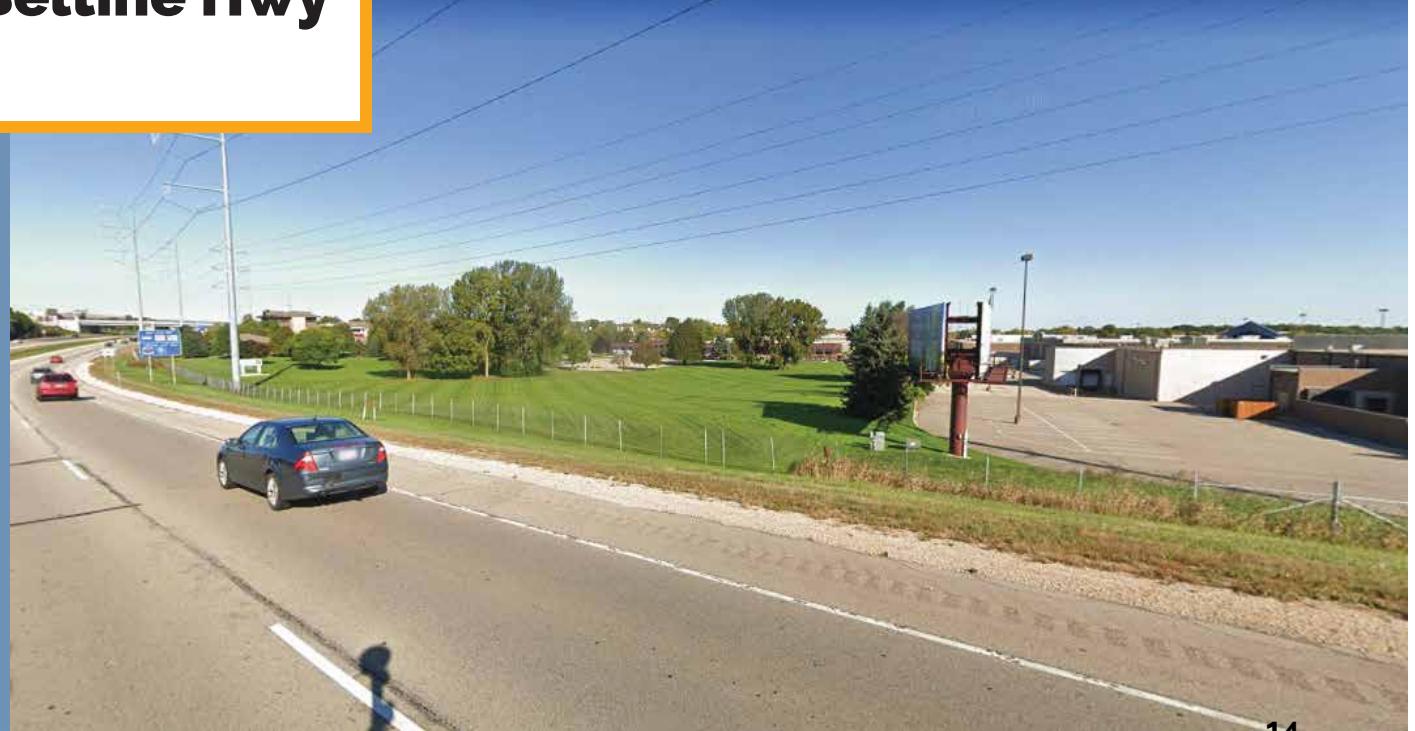
**95,000 cars per day
off 169 (2019)**

*Hello Apartments





**55,600 cars per day
off Hwy 12/W Beltine Hwy**





ID #	Species	Size (DBH)
1	Sugar Maple	20
2	Green Ash	16
3	Sugar Maple	16
4	Green Ash	19
5	Norway Maple	4
6	Spruce	10
7	Spruce	12
8	American Linden	20
9	Sugar Maple	18
10	Green Ash	17
11	White Birch	4
12	White Birch	4
13	White Birch	4
14	American Linden	17
15	Green Ash	19
16	Pine	16
17	Pine	16
18	Pine	19
19	Spruce	10
20	Spruce	12
21	Spruce	11
22	Pine	14
23	Red Maple	14
24	Red Maple	6
25	Norway Maple	13
26	Norway Maple	13
27	Green Ash	20
28	Red Maple	18
29	Spruce	20
30	Red Maple	7
31	Spruce	18
32	Spruce	16
33	Cottonwood	31
34	Box Elder	19
35	Cottonwood	30
36	Cottonwood	21
37	Cottonwood	9
38	Cottonwood	7
39	Cottonwood	29
40	Cottonwood	27
41	Box Elder	21
42	Crabapple	12
43	Green Ash	18
44	Red Maple	17
45	Crabapple	Dead
46	American Linden	10
47	American Linden	20
48	Cottonwood	30
49	Cottonwood	23
50	Cottonwood	28
51	Sugar Maple	32
52	Spruce	18
53	Red Oak	28
54	Honey Locust	4
55	Spruce	5
56	Norway Maple	14
57	Spruce	8
58	Spruce	10
59	Norway Maple	4
60	Crabapple	6
61	Honey Locust	18
62	Crabapple	2
63	Crabapple	1
64	Yew	2
65	Yew	15
66	Crabapple	Dead

Site Lighting

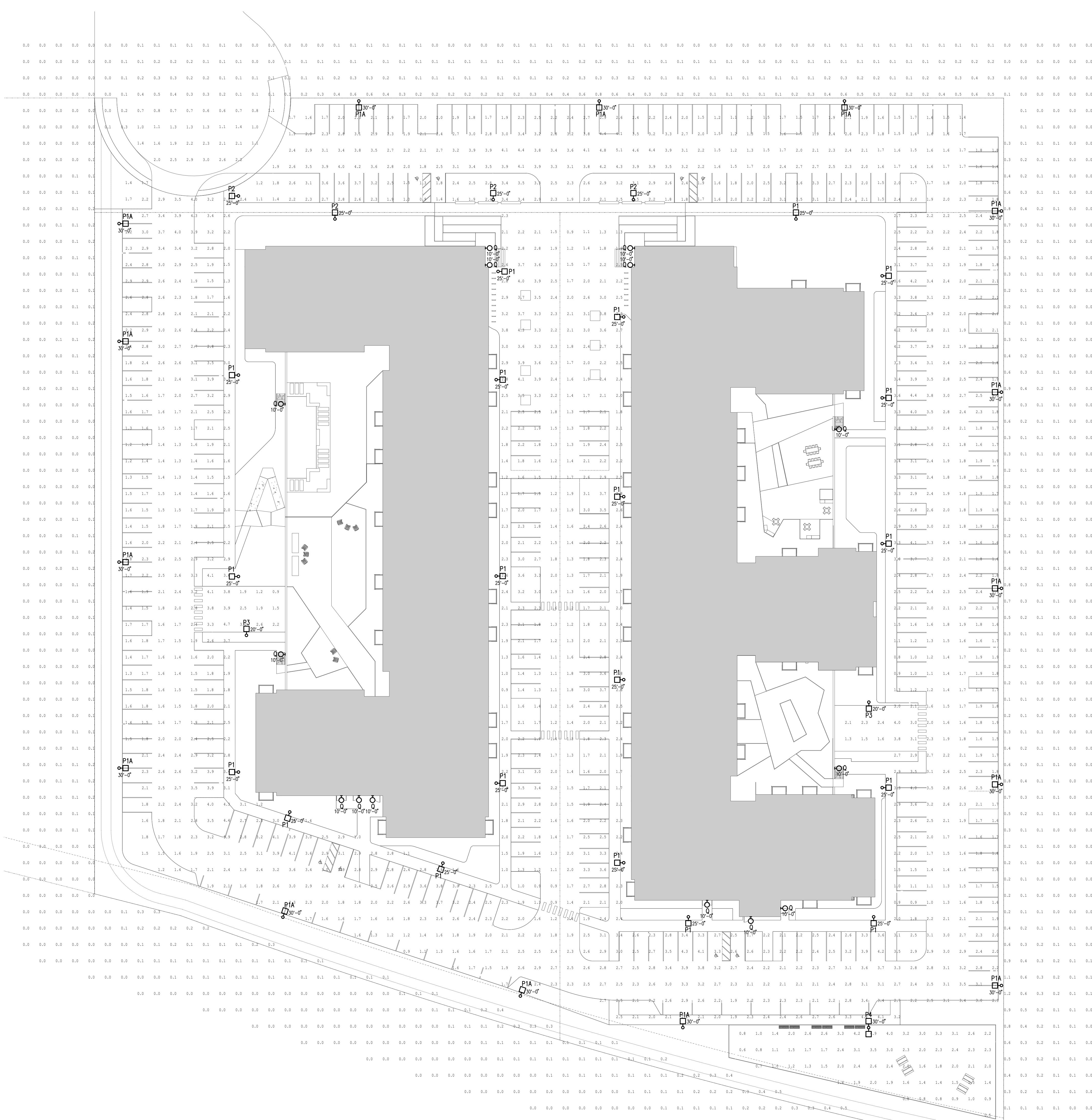
- Parking Lighting
- Light Bollard
- Landscape Lighting
- LED Strip Lighting
- Catenary Lighting



GENERAL NOTES

- A. LIGHTING LEVELS SHOWN ARE MAINTAINED. LIGHT LOSS FACTOR OF .855 WAS USED TO ACCOUNT FOR DIRT AND LUMEN DEPRECIATION.
- B. FIXTURES SHALL BE CONTROLLED BY A COMBINATION OF PHOTOCELL AND TIMECLOCK.

CALCULATION SUMMARY						
LOCATION	CALCUTYPE	UNITS	FC	Max	Min	Avg Min
DOG PARK	ILLUMINANCE	FC	1.06	4.9	0.5	3.92
PARKING LOT	ILLUMINANCE	FC	2.31	5.1	0.8	6.38
SITE BOUNDARIES	ILLUMINANCE	FC	0.13	3.0	0.0	N/A



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St. Louis Park, MN 55416

PRELIMINARY
NOT FOR CONSTRUCTION

Rewards
No. Date Description

Project Information
Phase: Date: 05/05/2021
Project No.: 4506.0000 PIC / AIC:

Sheet Title
Photometric
Site Plan

Sheet Number _____ Current Revision _____

E-1

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MR1 LED
LED Area Luminaire

Specifications

EPA:	24.1/2"
Length:	(82.2 cm)
Width:	18.2/8"
Height:	6-3/8"
Weight (max):	31 lbs (17.7 kg)

SSA Capable Luminaires

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™ equipment luminaires meet the A+ specification for luminaire to photocolor 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: MR1 LED 42C 700 40K SRS MVOLT SPA DDBBX

MRI LED	Series	LEDs	Drive Current	Color Temperature	Distribution	Voltage	Mounting
MR1 LED	42C	42 LEDs (seen enrged)	350 350mA	30K 3000K	SRS Type I SRS Type II	40V 120V 277V	MVOLT Square pole mounting
		500 500mA	40K 4000K	50K 5000K		240V 480V	RPA Round pole mounting
		700 700mA	50K 5000K			204V 347V	WBA Wall bracket

Control Options

Shipped installed
PER Five-wire receptacle only (no control)
PERS Seven-wire receptacle only (no control)
DAM 3-10a dimming with pull cord feature (for use with external driver, defined separately)
BL30 Bi-level switched dimming, 30%
BL50 Bi-level switched dimming, 50%

Other Options

SP Single face (100, 277, 480V)
DBX Double face (100, 240, 480V)
BLF Dimming lens

Finish

DNBD Black bronze
DNAD Natural aluminum
DNWD White
DNBD Textured black bronze
DNAD Textured dark bronze
DNBD Textured natural aluminum
DNWD Textured white

LITHONIA LIGHTING Commercial Outdoor One Lithonia Way • Conyers, Georgia 30012 • Phone 1-800-705-7378 • www.lithonia.com
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Ordering Information

EXAMPLE: SSA 2C 40K SRS MVOLT SPA DDBBX

Drilling	Template #8	Top of Pole
Accessories	2 1/2"	0.53"
Chassis	2 1/2"	0.53"
Others	2 1/2"	0.53"

NOTES

1. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Single face (SF) requires 120 or 240 volt option. Double face (DF) requires 277 or 480 volt option.
2. MVOLT driver is a compact, integrated driver. It must be ordered and shipped as a separate line item from Acuity Brands Control.
3. Not available with 347 or 480V.
4. Requires a mounting line.
5. Dimming driver standard. Not available with 347V.
6. Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item.

Tenor Mounting Slipfitter *

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of actual performance of the luminaire allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

LEDs	Drive Current (mA)	System Watts	Dist.	Type	Example: SSA 2C 40K SRS MVOLT SPA DDBBX
42	5208	1	0	1	105
530	5199	2	0	1	104
540	5409	3	0	1	104
541	5463	3	0	1	110
582	7148	2	0	2	95
583	7121	1	0	2	95
584	7074	1	0	2	94
585	7054	2	0	2	87
586	8456	2	0	2	86
587	9023	3	0	2	92

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 40°F to 120°F.

Ambient	32° F	57° F	106° F
Current	1.00	0.97	0.90
80° F	0.98	0.95	0.87
20° C	1.01	0.98	0.91
25° C	0.99	0.96	0.89
40°C	104.9	0.96	

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the MRI LED 42C 700 (performed on the first 100 hours of LED testing based on IESNA LM-80 and projected per IESNA TM-21-11).

To calculate LfL use the lumen maintenance factor that corresponds to the desired number of operating hours based on the final lumen maintenance value. Contact factory for ordering tree.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.96	0.93	0.85

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's MR1 LED homepage.

FEATURES & SPECIFICATIONS

INTENDED USE
Ideal for parking areas, street lighting, walkways and car lots.

CONSTRUCTION
Light engine consists of a one-infrared Super-Durable TEC-Hermes powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage powder coating process results in a smooth, uniform surface finish. Powder-coated parts are baked at 400°F for 30 minutes.

FINISH
Electrocoat parts are protected by a one-infrared Super-Durable TEC-Hermes powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage powder coating process results in a smooth, uniform surface finish. Powder-coated parts are baked at 400°F for 30 minutes.

OPTICS
Precision acrylic reflective optics for optimum light distribution through the flat glass lens. Light engines are available in 40K or optional 5000K or optional 3000K or optional 2500K configurations.

ELECTRICAL
Light engine consists of 42 high-efficiency LEDs mounted to a metal core circuit board and aluminum heat sinks. A Class 1 electronic driver with integrated ballast and a high power factor (HPF) driver. The driver has a power factor >90%, THD <20%, and has an expected life of 100,000 hours with <1% failure rate. Each LED has a long range protection device that measures a maximum Category C load operation limit (ANSI/IEEE C62.41).

INSTALLATION
Included mounting block and integral arm facilitate quick and easy installation. Stainless steel hardware included for quick and easy assembly to poles and walls. The MRI LED utilizes the AERIS™ series pole drilling pattern.

LITERING
Certified to UL and Canadian standards. IP65 rated. U.S. Patent No. D556,337.

BUY AMERICAN
This product is manufactured in the USA and meets the Buy American government procurement requirements under FAR, GSA RS and DOT. Please refer to www.buyamericaninfo.com for additional information.

WARRANTY
5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/warranty.

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.

ANNUAL LED C01

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's MR1 LED homepage.

FEATURES & SPECIFICATIONS

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Ideal for parking areas, street lighting, walkways and car lots.

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ANNUAL LED C01

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's MR1 LED homepage.

FEATURES & SPECIFICATIONS

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CONSTRUCTION
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BUY AMERICAN
This product is manufactured in the USA and meets the Buy American government procurement requirements under FAR, GSA RS and DOT. Please refer to www.buyamericaninfo.com for additional information.

WARRANTY
5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/warranty.

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.

ANNUAL LED C01

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3546 Dakota Ave S
Suite D
St. Louis Park, MN 55416

MR2 LED
LED Area Luminaire

Specifications

EPA:	0.9 ft ² (32.08 m ²)
Length:	32.08"
Width:	25"
Height:	8-1/4"
Weight (max):	42 lbs (19.0 kg)

SSA 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™ equipment luminaires meet the A+ specification for luminaire to photocolor 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: MR2 LED 60C 1000 40K TSM MVOLT SPA DDBBX

MRI LED	Series	LEDs	Drive current	Color Temperature	Distribution	Voltage	Mounting	Options	Finish
MR2 LED	60C	60 LEDs (seen enrgd)	700 1000 mA	40K 4000 K	TSM Type I TSM Type II	40V 240V	MVOLT SPA	Shipped included	DNBD Black bronze
		500 500mA	40K 4000K	50K 5000K	277V	RPA Round pole mounting	PER Five-wire receptacle only (no control)	DNAD Natural aluminum	
		700 700mA	50K 5000K		120V	IFM Forward throw	PERS Seven-wire receptacle only (no control)	DNWD White	
		480	480		277V	WBA Wall bracket	DAM 3-10a dimming with pull cord feature (for use with external driver, defined separately)	DNBD Textured black	
							BL30 Bi-level switched dimming, normal	DNAD Textured dark bronze	
							BL50 Bi-level switched dimming, normal	DNHD Textured natural aluminum	
							Shipped separately?	DNWD Textured white	

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Ordering Information

EXAMPLE: SSA 2C 40K SRS MVOLT SPA DDBBX

Drilling	Template #8	Top of Pole
Accessories	2 1/2"	0.53"
Chassis	2 1/2"	0.53"
Others	2 1/2"	0.53"

NOTES

1. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Single face (SF) requires 120 or 240 volt. Double face (DF) requires 277 or 480 volt.
2. MVOLT driver is a compact driver that prevents debris build-up while allowing for easy access to the driver. For use with 277V, the driver must be ordered with 240V.
3. Requires "SPA" mounting option. Must be ordered as a separate line item from the luminaire.
4. Requires "IFM" mounting option. Must be ordered as a separate line item from the luminaire.
5. Requires "IFM" mounting option. Must be ordered as a separate line item from the luminaire.
6. Requires PER option. Not available with 240V or 480V.
7. Single face (SF) requires 120, 277, or 347V option. Double face (DF) requires 240, 480, or 600V option.
8. Requires additional enriched line.
9. Requires a mounting line.
10. Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item.

Tenor Mounting Slipfitter **

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of actual performance of the luminaire allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

LEDs	Drive Current (mA)	System Watts	Dist.	Type	Example: SSA 2C 40K SRS MVOLT SPA DDBBX
TSM	14,811	2	0	2	112, 14,842
TSM	15,467	4	0	3	118, 15,504
TSM	21,418	3	0	3	21,415
TSM	21,512	5			

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3546 Dakota Ave S
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St. Louis Park, MN 55416

LITHONIA LIGHTING®

FEATURES & SPECIFICATIONS

INTENDED USE
Provides maintenance-free illumination for outdoor use in residential & commercial applications. Ideal for applications such as lighting walkways and stairs for safety and security.

CONSTRUCTION
Cast aluminum housing with corrosion-resistant paint in either dark bronze or white finish.

ADA compliance

OPTICS
4000K CCT LED

POLYCARBONATE LENS
Polycarbonate lens protects the LED from moisture, dirt and other contaminants.

LUMINARIES MAINTENANCE
The LED will deliver 70% of its initial lumens at 50,000 hour average LED life. See Lighting facts table on page 2 for performance details.

ELECTRICAL
MVOLT driver operates on any line voltage from 120-277V
Operating temperature: -30°C to 40°C
IEC 62387-2-20:2013 test standard.

INSTALLATION
Surface mounts to universal junction box (provided by others).

LISTINGS
UL Listed in U.S. and Canada, refer to website for exact location.
Tested in accordance with UL157-79 and the IEC 62387-2-20:2013.

WARRANTY
5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/customersupport/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.
All values are design typical values, measured under laboratory conditions at 25°C.
Specifications subject to change without notice.

Dimensions
All dimensions are inches (centimeters)

Ordering Information
For shortest lead times, configure products using **bolded** options.
Example: OLLWD LED P1 40K MVOLT DOB

Series	Performance Package	Color temperature (CCT)	Voltage	Finish
OLLWD LED Downlight OLLWD LED Up & downlight	P1	40K 4000K	MVOLT 120V 277V	DOB Dark bronze WH White

Notes:
1. Only available with OLLWD and in DOB.
2. Only available with OLLWD.

DECORATIVE INDOOR & OUTDOOR

OLLWD-OLLWU

OLLWD & OLLWU LED Wall Cylinder Light

Outdoor General Purpose

OLLWD & OLLWU LED WALL CYLINDER LIGHT

LED

Polar Candela Distribution
To see complete photometrics reports or download jec files for this product, visit Lithonia Lighting's Outdoor LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards.

OLLWD

OLLWU

OLLWD
lighting facts™
Light Output (Lumens): 533
Voltage: 120V
Lumens per Watt (Efficacy): 58.63
Color Accuracy: 70
Color Temperature (CCT): 4000 (Bright White)
Light Color: 4000 (Bright White)
Beam Angle: 120°
Notes:
1. Only available with OLLWD and in DOB.
2. Only available with OLLWD.

OLLWU
lighting facts™
Light Output (Lumens): 947
Voltage: 120V
Lumens per Watt (Efficacy): 67.64
Color Accuracy: 70
Color Temperature (CCT): 4000 (Bright White)
Light Color: 4000 (Bright White)
Beam Angle: 120°
Notes:
1. Only available with OLLWU and in DOB.
2. Only available with OLLWU.

LITHONIA LIGHTING
DECORATIVE INDOOR & OUTDOOR One Lithonia Way, Croydon, GA 30012 Phone: 800-705-SERV (7378) www.lithonia.com
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Fixture Type Q

LIGHT FIXTURE SCHEDULE								
TYPE	DESCRIPTION	VOLT	LAMP TYPE	QTY / FIXT.	VA / FIXT.	MANUFACTURER	CATALOG NUMBER	NOTES
P1	EXTERIOR LIGHT POLE AND POLE MOUNT HEAD, DIE-CAST ALUMINUM FIXTURE HOUSING, ACRYLIC LENS, 4" STRAIGHT SQUARE STEEL POLE WITH BASE COVER, FIXTURE AND POLE TO BE DARK BRONZE FINISH, HOUSE SIDE SHIELD, HEAD TO BE 30' ABOVE GRADE.	UNIV	LED 4000K	N/A	132	LITHONIA	MR2 LED 60C 700 40K T2M MVOLT SPA HS DBBXD	1
P1A	EXTERIOR LIGHT POLE AND SINGLE ARM MOUNT HEAD, DIE-CAST ALUMINUM FIXTURE HOUSING, ACRYLIC LENS, 4" STRAIGHT SQUARE STEEL POLE WITH BASE COVER, FIXTURE AND POLE TO BE DARK BRONZE FINISH, HOUSE SIDE SHIELD, HEAD TO BE 30' ABOVE GRADE.	UNIV	LED 4000K	N/A	132	LITHONIA	MR2 LED 60C 700 40K T2M MVOLT SPA HS DBBXD	1
P2	EXTERIOR LIGHT POLE AND SINGLE ARM MOUNT HEAD, DIE-CAST ALUMINUM FIXTURE HOUSING, ACRYLIC LENS, 4" STRAIGHT SQUARE STEEL POLE WITH BASE COVER, FIXTURE AND POLE TO BE DARK BRONZE FINISH, HOUSE SIDE SHIELD, HEAD TO BE 25' ABOVE GRADE.	UNIV	LED 4000K	N/A	132	LITHONIA	MR2 LED 60C 700 40K TFTM MVOLT SPA HS DBBXD	1
P3	EXTERIOR LIGHT POLE AND SINGLE ARM MOUNT HEAD, DIE-CAST ALUMINUM FIXTURE HOUSING, ACRYLIC LENS, 4" STRAIGHT SQUARE STEEL POLE WITH BASE COVER, FIXTURE AND POLE TO BE DARK BRONZE FINISH, HEAD TO BE 20' ABOVE GRADE.	UNIV	LED 4000K	N/A	VARI	LITHONIA	MR1 LED 42C 350 40K SR4 MVOLT SPA DBBXD	1
P4	EXTERIOR LIGHT POLE AND BACK TO BACK ARM MOUNT HEADS, DIE-CAST ALUMINUM FIXTURE HOUSING, ACRYLIC LENS, 4" STRAIGHT SQUARE STEEL POLE WITH BASE COVER, FIXTURE AND POLE TO BE DARK BRONZE FINISH, HEADS TO BE 30' ABOVE GRADE.	UNIV	LED 4000K	N/A	VARI	LITHONIA	(2) MR2 LED 60C 700 40K T2M MVOLT SPA DBBXD	1
Q	8" H X 4-5/16" W X 3-11/16" D WALL CYLINDER, DOWNLIGHT ONLY, CAST ALUMINUM HOUSING IN DARK BRONZE PAINT, SURFACE MOUNT TO FLUSH MOUNT JUNCTION BOX	UNIV	LED 4000K	N/A	9.1	LITHONIA	OLLWD LED P1 40K MVOLT DOB	

NOTES:
1. COORDINATE POLE HEIGHT AND CONCRETE BASE. REFER TO POLE BASE DETAILS.

**PRELIMINARY
NOT FOR CONSTRUCTION**

Revisions

No. Date Description

Project Information

Phase: Date: 05/05/2021

Project No.: 4506.0000 PIC / AIC:

Sheet Title
Photometric
Cutsheets and
Fixture Schedule

Sheet Number
Current Revision

E-3

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