

Bridge Square

Northfield Heritage Preservation Commission Meeting December 4, 2024 | 6:00pm

Agenda

- Introductions
- HPC Review Purview
- Bridge Square
 - Background
 - -90% Plans Design Review
 - SHPO Response

Purpose

- "...the preservation, protection, perpetuation and use of areas, places, buildings, structures, and other objects having special historical interest of value is... in the interest of the health, safety, welfare and prosperity of the people."
 - "... preserving sites and structures which reflect elements of the city's cultural, social, economic, political, visual, or architectural history;"
 - "Protect and enhance the city's appeal to residents, visitors, and tourists and serve as a support and stimulus to business and industry."
 - "Foster civic pride in the beauty and notable accomplishments of the past; and,"
 - "Promote the preservation and continued use of historic sites and structures for the education and general welfare of the people of the city"

COA - Applicability

- Major Work
 - Demolition in whole or in part,
 - Moving of historic buildings, structures or objects.
 - Remodeling, exterior alteration or rehabilitation that will change the exterior appearance including but not limited to painting, lighting, landscaping, and awnings.

Exemptions

- (4) A COA is not required for any physical improvements within public rights-of-way and immediately adjacent property affected by such work, including but not limited to: curb and gutter, street, utility reconstruction; routine maintenance, repair, or emergency work such as street patching; street overlays; driveway installations; boulevard tree planting; accessibility ramp improvements; utility repairs; or sidewalk repair or replacement.
- (i) For public street improvement projects exceeding an estimated cost of one million dollars as determined by the city engineer and located within the H-O District, the heritage preservation commission may, prior to the city council public improvement hearing on the project, provide written comments to the city council on the historic aspects of the project. Failure of the heritage preservation commission to timely provide written comments on or before the scheduled public improvement hearing on the project shall be deemed to have satisfied this provision.

Criteria

- (Required) For all applications, the proposed action fully complies with all applicable requirements of this LDC;
- harmony with the purpose of the H-O district;
- complement other structures within the H-O district;
- consistent with the Downtown Preservation Design Guidelines and consistent with the Secretary of the Interior's Standards for Treatment of Historic Properties;
- the amount and quality of original material and design remaining in the building or structure when applying criteria, guidelines and standards;
- For new construction, the building or addition should be compatible with:
 - scale, texture, materials, and other visual qualities of the surrounding buildings and neighborhoods;
 - the height, width, depth, massing and setback of the surrounding buildings; and

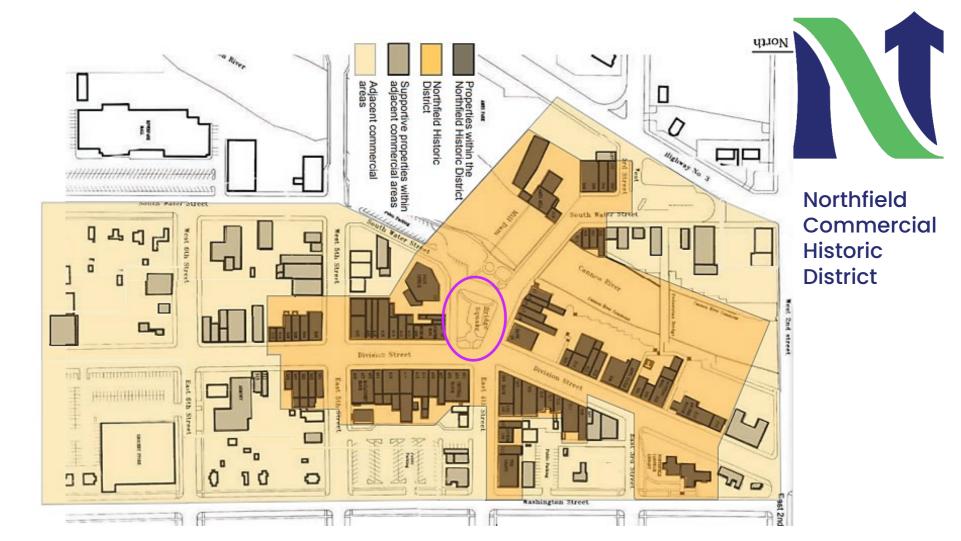
Criteria cont.



- For demolition:
 - that the structure could not be rehabilitated and used for a conforming purpose with reasonable efforts or whether the structure is without substantial historic or architectural significance;
 - the significance or architectural merit of the building itself
 - the present structural integrity of the building
 - the demolition is necessary to facilitate a defined public purpose

Northfield Commercial Historic District

- Criterion A, in the areas of Settlement, Industry, and Commerce
- Criterion C, in the area of Architecture
- Period of Significance: 1856-1966
- SHPO Review required in accordance with the Minnesota Historic Sites Act and Minnesota Field Archaeology Act

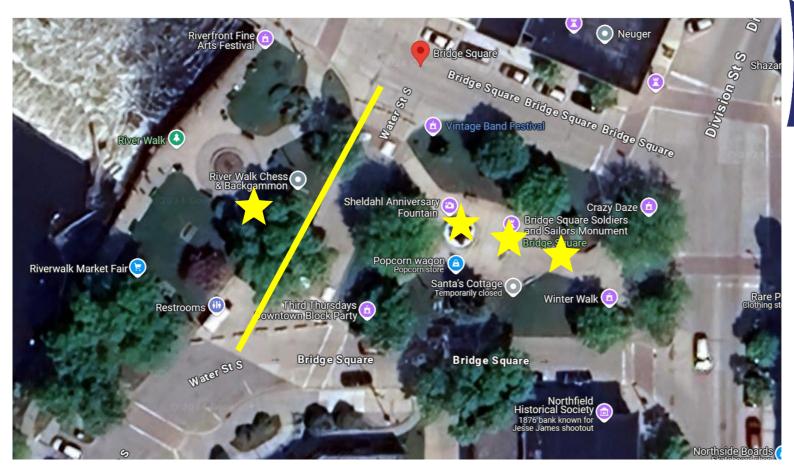


Bridge Square

- Contributing property with four individual resources:
 - -Bridge Square (a contributing site);
 - -Riverside Park (a contributing site);
 - the Civil War Monument (a contributing structure);
 - and the fountain (a non-contributing structure due to period of significance)

Character-Defining Features

- Not explicitly defined in existing inventory forms or reports
- Elements considered in design:
 - Bridge Square
 - Riverside Park
 - Civil War Monument
 - Fountain
 - Extant Water Street corridor between Bridge Square and Riverside Park
 - Other features to consider: two large concrete planters, existing treescapes and vegetation, and topography and viewsheds



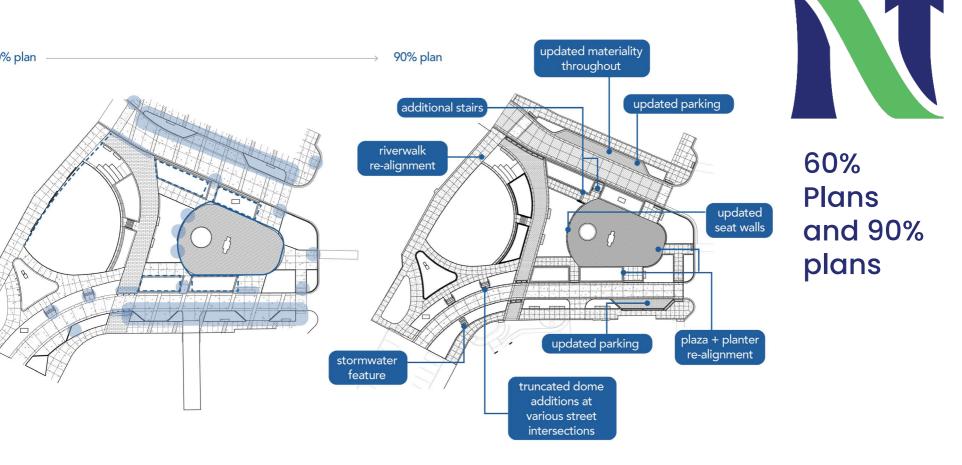


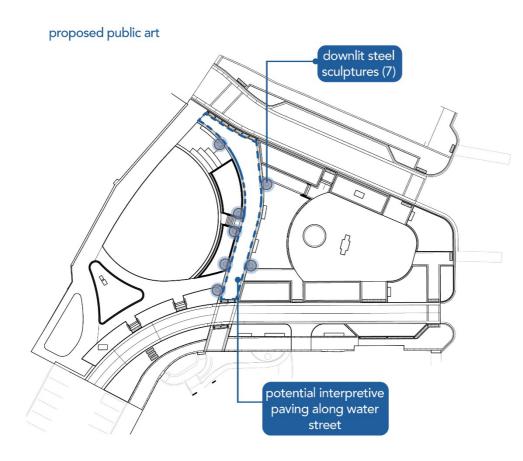
Bridge Square

SHPO Review: 60% Plans

Based on our review of the submitted documentation, we are pleased to see that the **design has been refined in response to comments received from our office, the Northfield Heritage Preservation Commission, and Northfield community members**.

In our opinion, the current design is much more compatible with the forms of both Riverside Park and Bridge Square, and we have determined that **the project**, **as currently proposed in the 60% construction documents**, **has been designed in accordance with the SOI Standards.** We look forward to reviewing the 90% construction documents when they become available



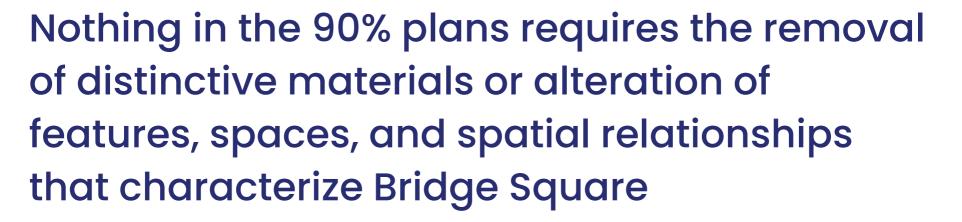


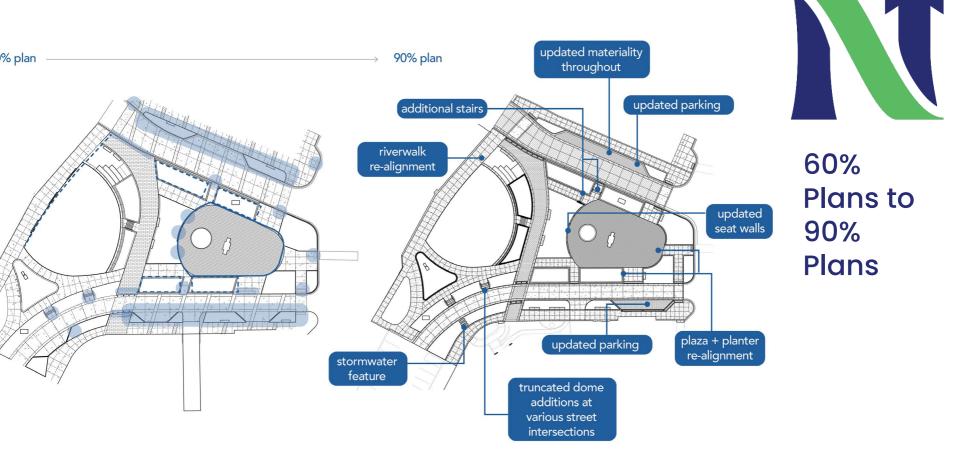


90% Plans

SOI Standards for Rehabilitation

The historic character of a property will be retained and preserved. The removal of distinctive materials or alteration of features, spaces and spatial relationships that characterize a property should be avoided.





Retained and Preserved

- Water Street corridor
- Spatial relationship between Bridge Square and Riverside Park.
- Evolved teardrop shape of Bridge Square that began in 1916 and underwent alterations circa 1975
- Civil War monument
- The circulation system in the proposed design closely echoes the extant, circa 1975 circulation system and the mix of lawn, planting beds with low masses of plants.
- Softened contours of Riverside Park echo historic boundaries of that portion of the park.
- Both retained and newly planted trees proposed in the design will echo the historic mix of vegetation present throughout the evolution of Bridge Square.

SOI Standards for Rehabilitation

New additions, exterior alterations, or related new construction will not destroy historic materials, features, and spatial relationships that characterize the property. The new work will be differentiated from the old and will be compatible with historic materials, features, size, scale and proportion, and massing to protect the integrity of the property and its environment



90% Plan

- Retains historic materials, features, and spatial relationships
- Historic integrity of these features will not be diminished by new construction
- Minimal grading of some areas of the park, including the permanent tiered seating area of riverside park, which is intended to retain the overall grade of the park and keep open areas of the park relatively flat.



90% Plan

- Retains the characteristic slope of the site and existing viewshed from the district to the river.
- Proposed paving material will be stone or concrete pavers, in a color similar to the extant concrete
 - Echo surfacing materials used historically at the site but will be clearly differentiated from historic surfaces.
 - complimenting surrounding materials in the district but differentiated as modern materials.

• Slight change in shape of the planting beds at the southwest edge of Bridge Square Plaza will not destroy existing materials, features, or spatial relationships.

 Additionally, the planting beds are designed, so that, per SOI Standards, if removed in the future "the essential form and integrity of the history property and its environment would be unimpaired."



Confidential Cultural Resources - Do Not Release

Figure 4



Bridge Square -Riverside Park Renovation Phase I Archaeological Investigation Northfield, Rice County, Minnesota

- Study Area
- Newly Identified Site
- Construction Monitoring Recommended
- No Further Archaeological Work Recommended



Figure 7

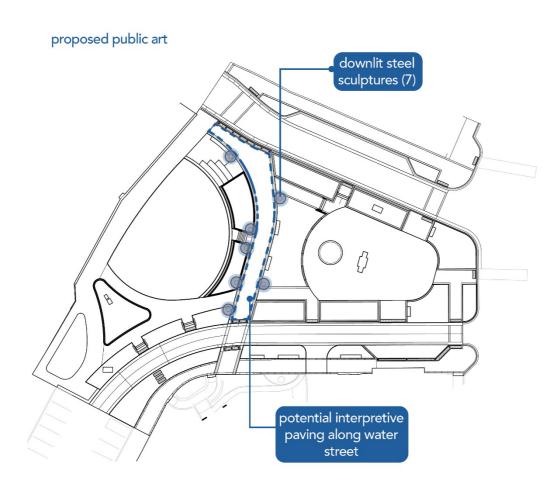
Confidential Cultural Resources - Do Not Release

90% Plans: Archaeology



Archaeological Monitoring and Unanticipated Discoveries Plan

- Potential mitigation measures for any unanticipated discovery that occurs during construction of the current park designs and/or the installation of the proposed public art.
- For the purposes of the Archaeological Monitoring and Unanticipated Discoveries Plan, archaeological site 21RC0076 (historical surface of the 1856 Mill Square) will be considered both a contributing resource to the Northfield Commercial Historic District and a potential individually NRHPsignificant resource.





90% Plans

90% Plans: Public Art

- Per SOI for rehabilitation: primary focus is on viewsheds, materials, and installation
- Sculptures
 - Not nearly as tall as the existing trees located within the same area of the park in which they are proposed to be installed.
 - Lit in similar fashion to the lighting plan for the entire park, all of which is in accordance with the City of Northfield's Land Development Code Outdoor Lighting Standards, which follow Minnesota Statute 16B.328, the state law regulating light pollution.
 - May require the installation of footings four feet in depth
 - Locations at the south are within the site boundaries of 21RC0076
 - Could potentially disturb resources if the footing is reaching a depth of more than four feet below the surface.
 - Monitoring Plan in place for the entire site.
 - These locations will not disturb the resources associated with the Grist Mill.

90% Plans: Public Art

- Per SOI for rehabilitation: primary focus is on viewsheds, materials, and installation
- Pavers
 - Will not adversely affect the existing landscape slope of the park or the existing, historic viewshed of the Cannon River from Bridge Square.
 - Will not disrupt the landscape slope or viewshed, nor remove or alter existing materials.

Project Review Submission to SHPO

- Design Review Memo
- Site Plan
- 90% Construction Documents
 - Hardscape plan
 - Tree plan
 - Understory plantings
 - Construction plan
 - Lighting plan (layout and fixture specifications)
- Public Art renderings and specification

SHPO Response 10/3/2024: Background

As stated in the correspondence, the City of Northfield is proposing improvements to Bridge Square and Riverside Park, which are contributing resources within the Northfield Commercial Historic District, a historic property which is listed in the National Register of Historic Places (NRHP).

Accordingly, in order for our office to determine that the project will not adversely affect the historic property, the proposed work must be designed in accordance with the Secretary of the Interior's Standards for the Treatment of Historic Properties and the Guidelines for the Treatment of Cultural Landscapes (SOI Standards).

SHPO Response 10/3/2024: Architectural History

Based on our review of the submitted documentation we agree that **the project**, as currently proposed in the 90% construction documents, **has been designed in accordance with the SOI Standards** and **will have no adverse effect on the historic property**.

SHPO Response 10/3/2024: Archaeology

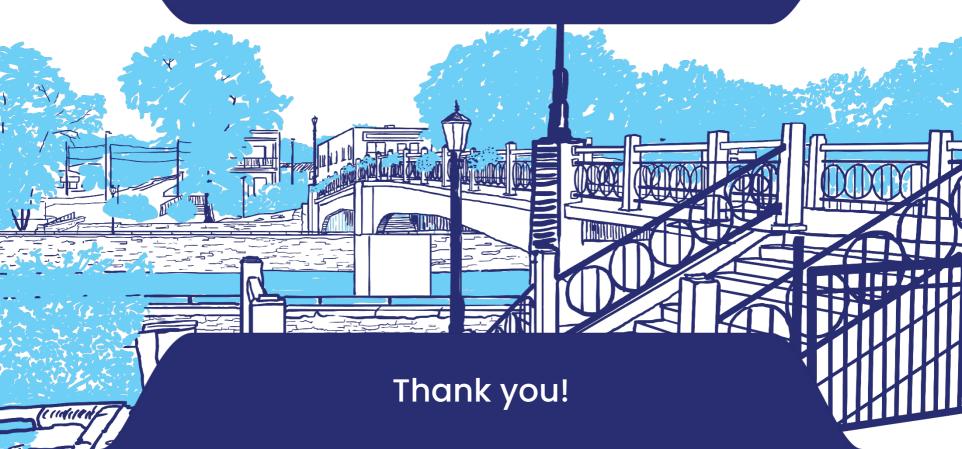
One archaeological site, site 21RC0076, has been identified within the project area. We consider this site to be a contributing resource to the Northfield Commercial Historic District. The site may also have individual significance. We agree that archaeological monitoring should be conducted during project construction, as well as during installation of the proposed public art. We understand that the 106 Group will draft an Archaeological Monitoring and Unanticipated Discoveries Plan (Plan) that will include potential mitigation measures for any unanticipated discovery that occurs. We look forward to reviewing the Plan when it becomes available.

SHPO Response 10/3/2024: Public Art

Regarding the public art, we understand that the Northfield Arts and Culture Commission approved the public art elements in early July. Although the proposed structures are relatively tall, we agree that their general scale and location within the park along Water Street should not adversely affect the historic landscape/viewsheds. We also agree that the proposed etched granite pavers will not adversely affect the historic property.



Questions?



proposed site furnishing













vestre forum waste bins







proposed site furnishing finishes









loll leaf green, loll navy blue, or bronze powdercoated metal



1.00

steel

bronze

powdercoated

noir sandblasted

fiberglass



bronze powdercoated steel

existing site lighting



proposed site lighting





proposed paving materials

concrete, standard gray, broom finish 4th St, sidewalk connections to Division St

concrete, decorative topcast surface retarder, level 03 pedestrian sidewalks, woonerf

concrete, decorative banding sandblast, level 25

bands around sidewalks + historic Water St

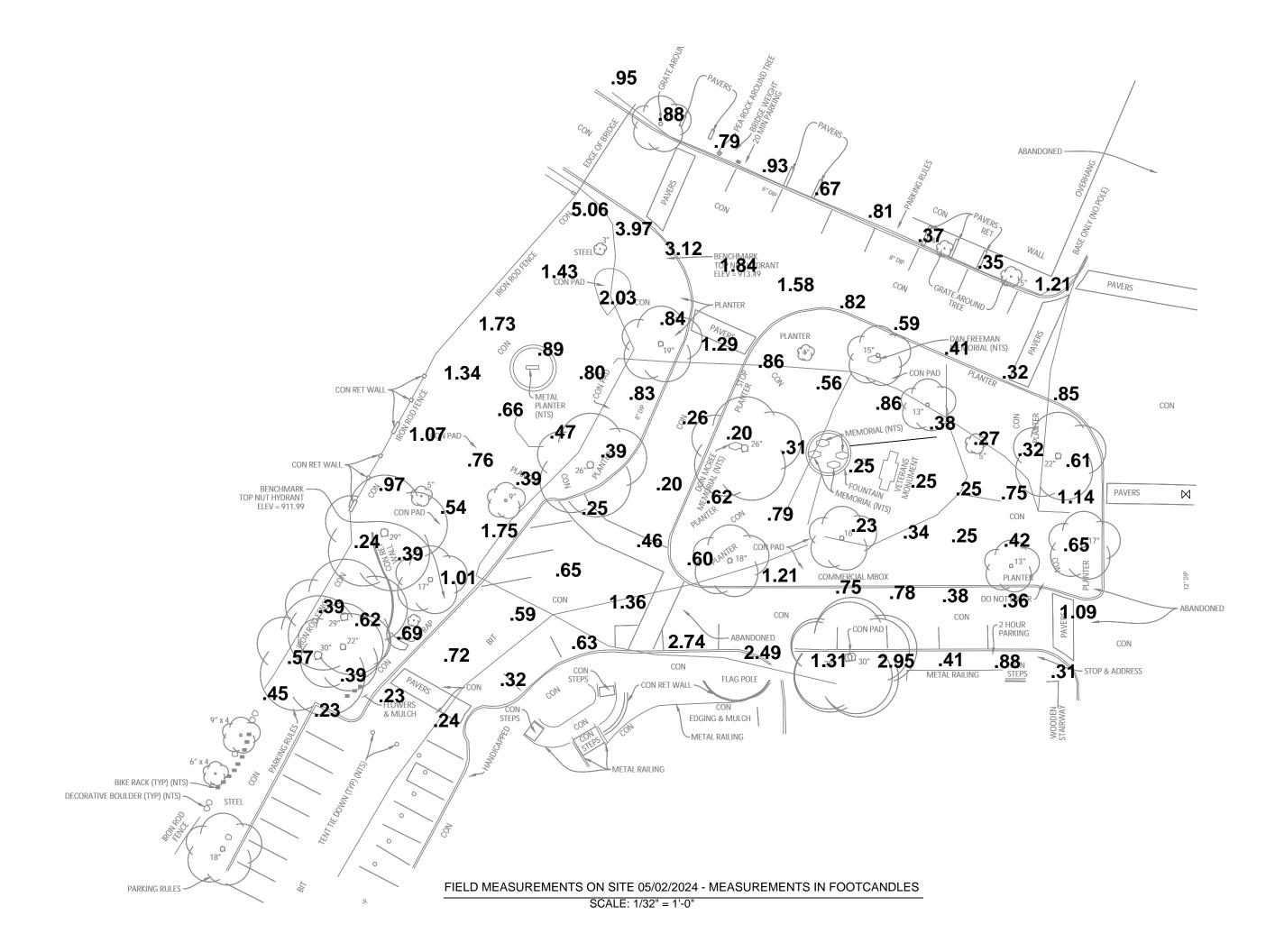
paver A 6" x 24" granite pavers historic Water St

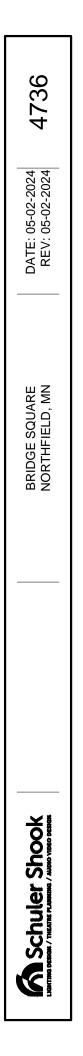
paver B 4" x 8" granite pavers plaza area

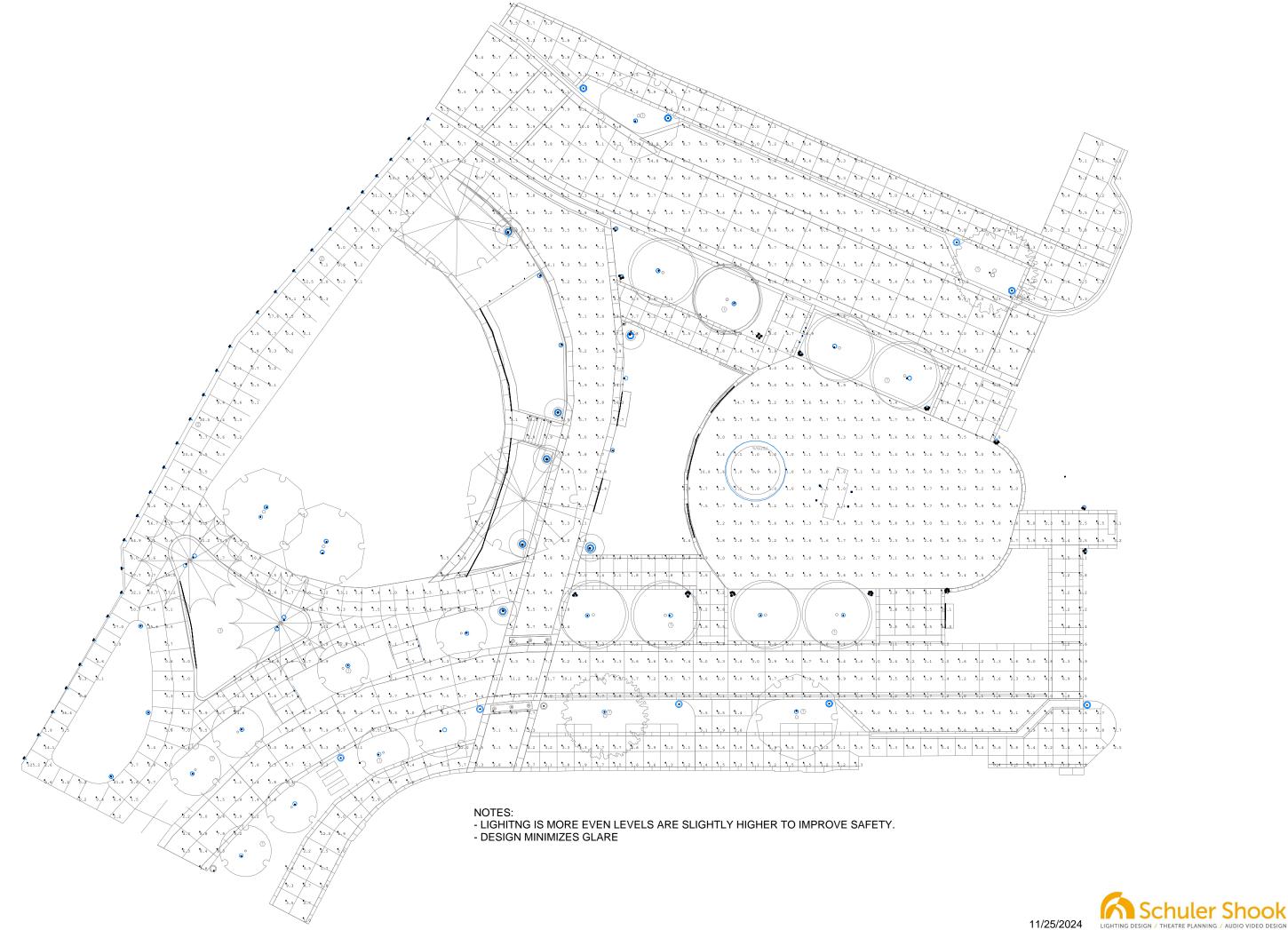
paver C concrete pavers parallel parking bays

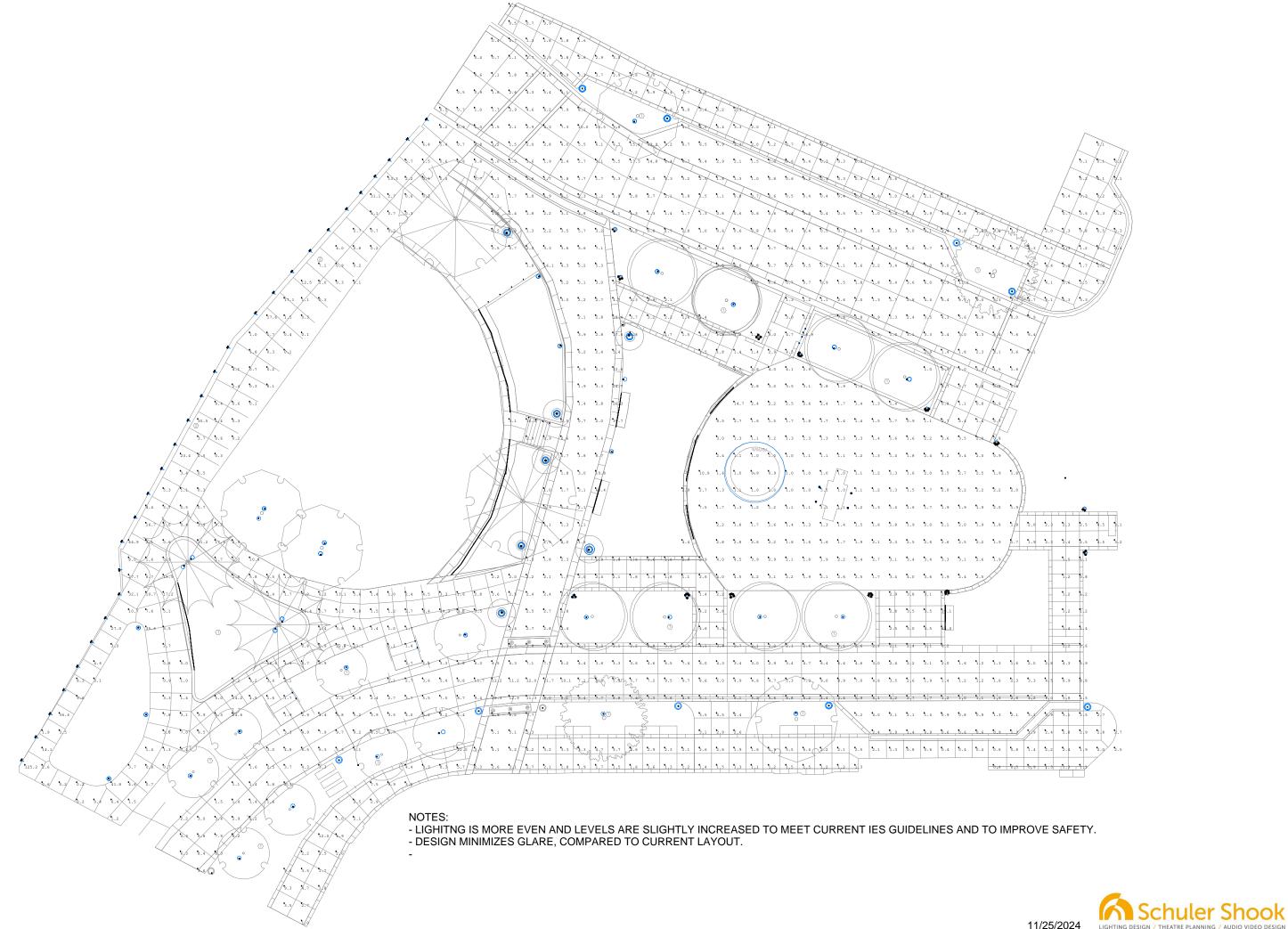




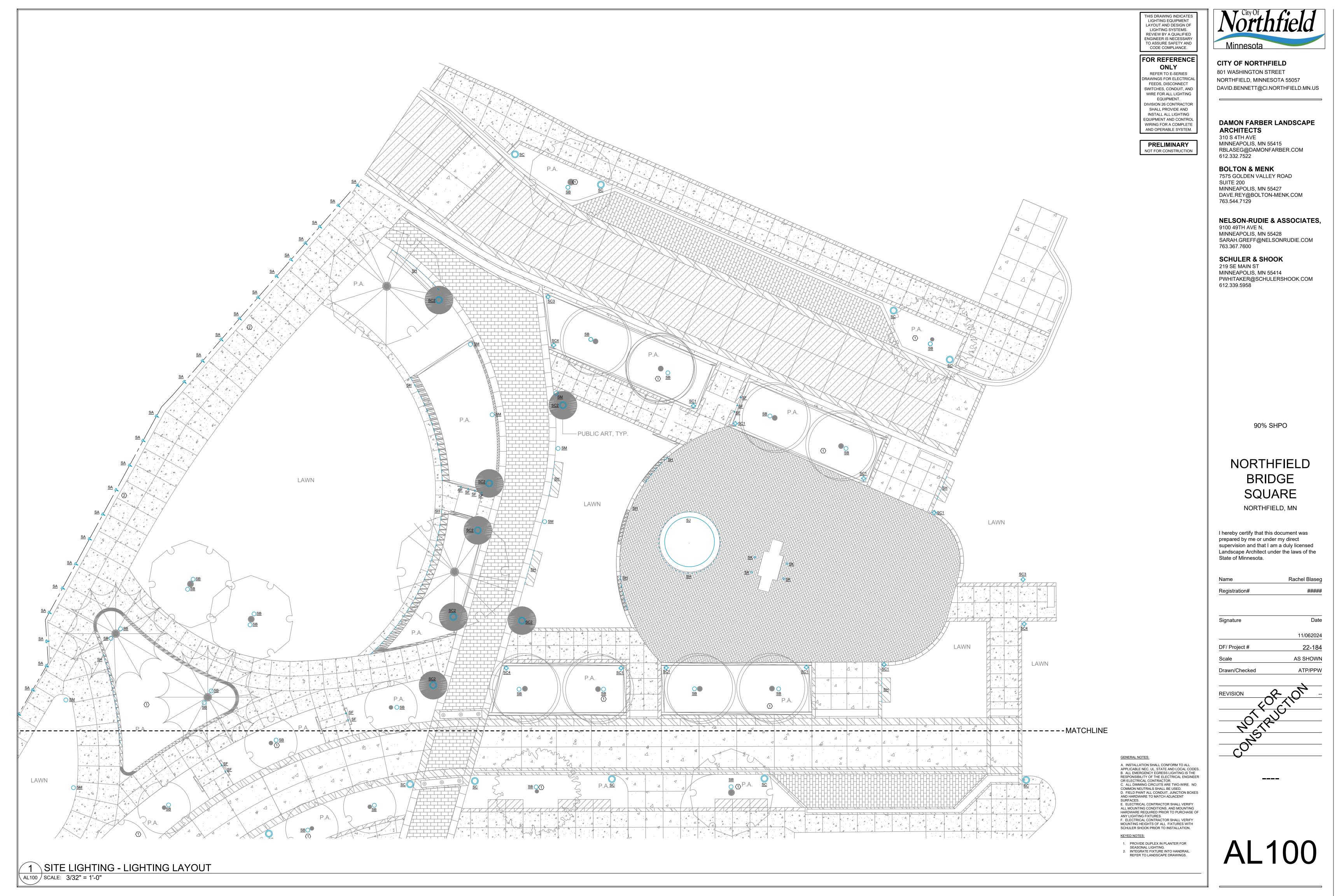








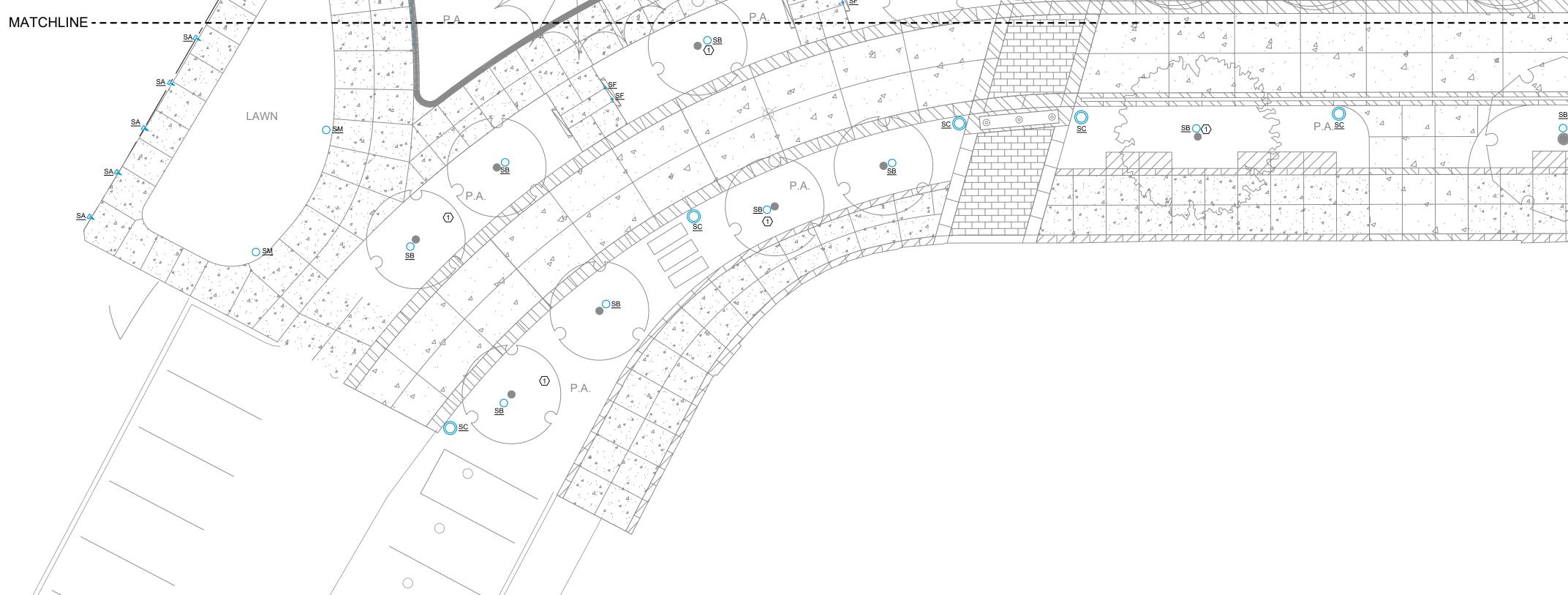
11/25/2024

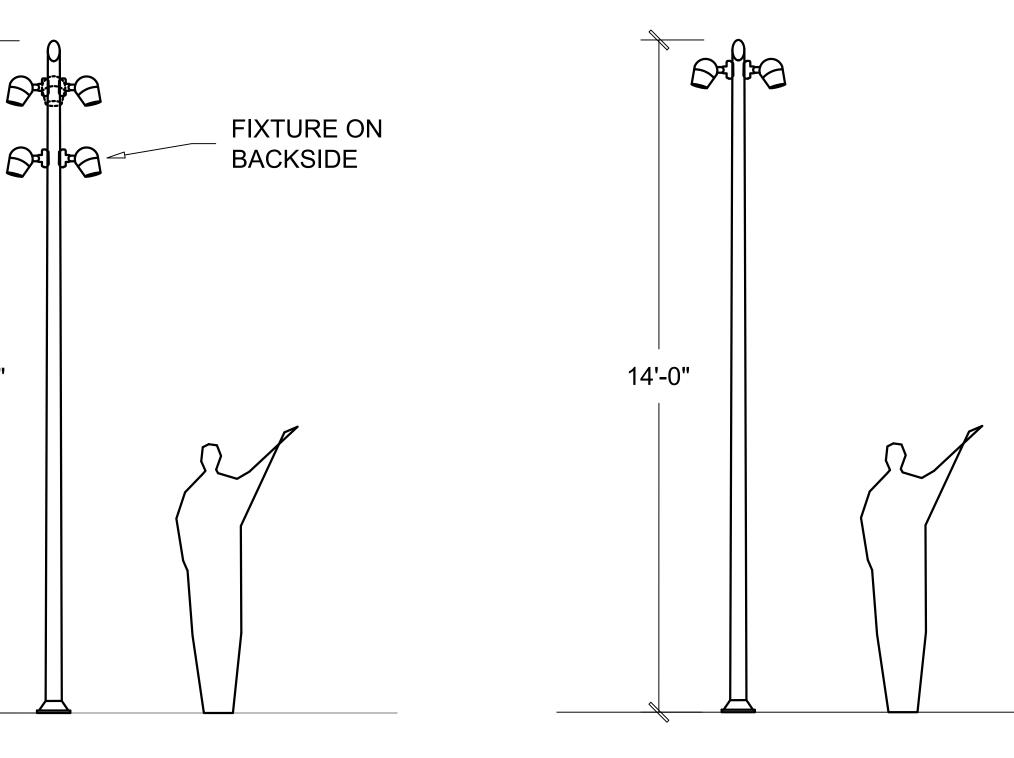


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E - PRICES SHOWN ARE DISTRIBUTOR NET P	PRICING AND DO NOT INCLUDE TAXE	ES, FRE	IGHT, MAR	K-UP (DIST	RIBUTOR OF	R CONTRAC	TOR) OR INS	STALLATION C	OST. PF	RICES AR	RE PER FIXTUR	E OR LINEAR FOOT.		
F - PRIOR TO ORDERING LUMINAIRES, CONT SHALL BE COMPATIBLE TO ACCESS THE TO COORDINATE DIMMERS AND DRIVERS RECTIFIED BY THE CONTRACTOR AT NO (E FULL DIMMING CAPABILITY OF THE S THAT RESULT IN POOR DIMMING P	SPECIF	FIED LED F	IXTURE AN	D DRIVER C	OMBINATIO	N, WITH NO	VISIBLE FLIC	KEROR	STEPPIN	IG (CLARIFY ST	EPPING). FAILURE		
G - CONTRACTOR WILL FAMILIARIZE THEMSE ALL DIMMING SYSTEM.	ELVES WITH ADDRESSING OF LED F	KTURE	S AT BEG	INNING OF F	ROJECT, P	RIOR TO INS	TALLATION	CONTRACTO	OR SHAL	L PROVI	DE A SYSTEMS	NTEGRATOR FOR		
2 SITE LIGHTIN		VТ	וחו	- 00			-						3 SITE LIC	ור

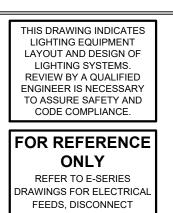
1 SITE LIGHTING - LIGHTING LAYOUT AL101 SCALE: 3/32" = 1'-0"

A. . LAWN ●<u>SB</u> <u>○SB</u> \bigcirc \bigcirc \bigcirc \bigcirc





	<i>i</i> .



SWITCHES, CONDUIT, AND WIRE FOR ALL LIGHTING EQUIPMENT. DIVISION 26 CONTRACTOR SHALL PROVIDE AND

INSTALL ALL LIGHTING EQUIPMENT AND CONTROL WIRING FOR A COMPLETE AND OPERABLE SYSTEM.

PRELIMINARY NOT FOR CONSTRUCTION



CITY OF NORTHFIELD

801 WASHINGTON STREET NORTHFIELD, MINNESOTA 55057 DAVID.BENNETT@CI.NORTHFIELD.MN.US

DAMON FARBER LANDSCAPE ARCHITECTS 310 S 4TH AVE

MINNEAPOLIS, MN 55415 RBLASEG@DAMONFARBER.COM 612.332.7522

BOLTON & MENK 7575 GOLDEN VALLEY ROAD SUITE 200 MINNEAPOLIS, MN 55427 DAVE.REY@BOLTON-MENK.COM 763.544.7129

NELSON-RUDIE & ASSOCIATES, 9100 49TH AVE N, MINNEAPOLIS, MN 55428 SARAH.GREFF@NELSONRUDIE.COM 763.367.7600

SCHULER & SHOOK 219 SE MAIN ST MINNEAPOLIS, MN 55414 PWHITAKER@SCHULERSHOOK.COM 612.339.5958

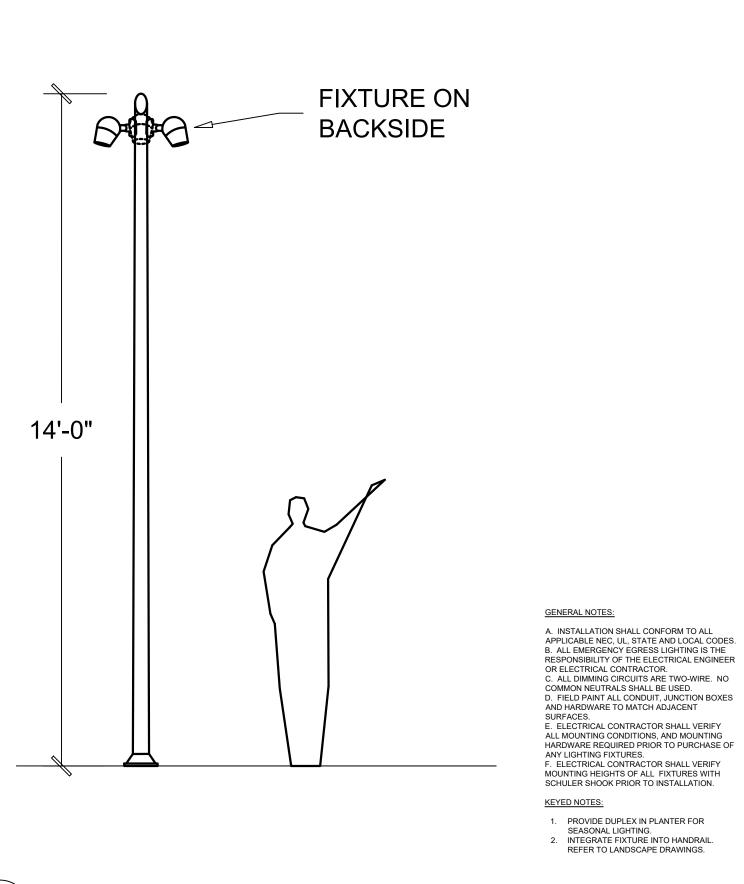
90% SHPO

NORTHFIELD BRIDGE SQUARE

NORTHFIELD, MN

I hereby certify that this document was prepared by me or under my direct supervision and that I am a duly licensed Landscape Architect under the laws of the State of Minnesota.

Rachel Blaseg
#####
Date
11/06/2024
22-184
AS SHOWN
ATP/PPW
\
- 6 -
01



5 SITE LIGHTING - TYPE SC4 FIXTURE ELEVATION AL101 SCALE: NO SCALE



SC1

Date:									selux
Project: Type:						Qty:			
Olivio Pic Sistema 2		unt							
Order Code:	#1 #2 #3 #4 Fixture #	OLPL OLPL OLPL OLPL Series	 Optics	 Mounting		 CCT Finis	 Voltage	Options	
Pole Order Co	de:	Height	 Finish	RN - Rivnut Oj Pairs	otions	 *Rivnu		. *Refer to ch for Rivnut li	art on page 5 ocations
OLPL	Series	OLPL Olivio Piccolo LED)		F	ïxture #			-
	Optics	S09 Spot, 11°	F40 Flood Medium, 45°	F80 Flood Wide, 74°					
	Mounting	SBx Specify Arm (x = number of luminaires pe	of						
	Light Engine	2G175 7W / 672Im	2G350 14W / 1346lm	1					* Based on S09 distribution and 3000K CCT.
	CCT	27* 2700K	30 ¹ 3000K	35* 3500K	40 4000K	50* 5000K			¹ Dark Sky approved with (ds) option only. * Consult factory
	Finish	WH White	BK Black	BL Semi-Matte Black	BZ Bronze	SV Silver	SP Specify Premium Color		
	Voltage	UNV 120-277V	120 120V	208 208V	240 240V	277 277V			
	Options	DS² Dark Sky 0° Tilt Option	SLH Spread Lens Horizontal (fixed)	SLV Spread Lens Vertical (fixed)	PC Photocell (consult factory)	HX ³ Micro Hexcell Honeycomb Louver	CF Color Filter (consult factory)		² IDA approved with fixed mount (DS option) only and 3000K CCT. ³ Cannot be combined with SLH or SLV.
Product Modifi Please list modification re	ications quirements for review by f	actory:							Approvals
	ASTM & PCI FINISH 2022, T 845-834-140			1401					Date:

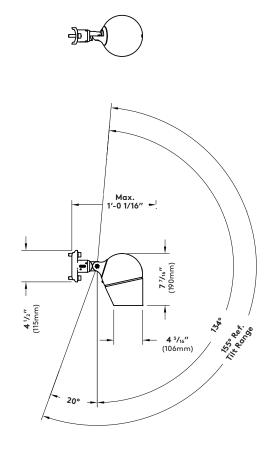
In a contribution of the best product possible, we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product. Specification sheets found at www.selux.us are the most recent versions and supercede all other printed or electronic versions. Page 1 of 10 (Rev. 06/2022) OLPL-SB_ss_v3.3

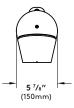


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Olivio Piccolo LED - Sistema 2 Arm Mount

OLPL-SB1





Specifications

Luminaire Housing - Two-piece high-pressure die-cast housing, made of low-copper aluminum alloy. Single recessed captive screw allows easy access to light engine & gear tray components.

Gasketing - UV and ozone-resistant, silicone gasket between fixture housing and lens base provide IP67 level ingress protection. IP rated micro-membrane ensures pressure compensation.

Lens - Tempered clear glass lens.

LED Light Engine - Made from high flux COB and vacuum metalized aluminum reflectors. Selux is using brand name LED manufacturers. Available in 3000K and 4000K, CRI minimum 80. Reflectors made from high purity aluminum to ensure high efficiencies throughout lifetime. Complete light engine can be removed easily for future upgrade. LED light engine provides a reported lumen maintenance of 82.69% at 60,000 hours. L70 calculated greater than 60,000 hours.

LED Driver - Selux uses brand name high efficiency LED drivers. LEDs are driven by RoHS compliant high-efficiency driver. Excellent for cold temperature starting and instant on. Min. operating temperature -30°C/ -22°F. **Arm** - Cast aluminum mounting arms for flexible pole mounting. Fixture head joint provides tilt-swivel range from 0° to 175°, and 360° rotation. Locks down with set screws.

Rivnuts - (2) Two rivnuts per pole required per Fixture Arm.

Power Cord - Pre-installed at factory and hidden through the luminaire hinge and hinge arm. Power cords are specified to fit the length of the pole specified with the luminaire.

Exterior Luminaire Finish - Selux utilizes a high quality Polyester Powder Coating. All Selux luminaires and poles are finished in our Tiger Drylac certified facility and undergo a five-stage intensive pretreatment process where product is thoroughly cleaned, phosphated and sealed. Selux powder coated products provide excellent salt and humidity resistance as well as ultraviolet resistance for color retention. All products are tested in accordance with test specifications for coatings from ASTM and PCI. Standard exterior colors are White (WH), Black (BK), Bronze (BZ), Semi-Matte Black (BL), and Silver (SV). Selux premium colors (SP) are available, please specify from your Selux color selection guide.

5 Year Limited LED Luminaire Warranty -

Selux offers a 5 Year Limited Warranty to the original purchaser that the Olivio Piccolo LED luminaire shall be free from defects in material and workmanship for up to five (5) years from date of shipment. This limited warranty covers the LED driver and LED array when installed and operated according to Selux instructions. Fixture suitable for ambient temperature of 35° C (95° F).

Listings and Ratings: Tested to IESNA LM-79-08 and LM-80 test standards at 25°C ambient temperature. IP67.

OLIVIO LED suitable for ambient temperatures of 35°C (95°F). Minimum operating temperature of luminaire at -30°C (-22°F).

NRTL Listed for wet location (i.e. UL, CSA)

Visit selux.us for our LED End of Life recycling policy.

For Buy American compliance on poles, please consult the factory.



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Olivio Piccolo LED - Sistema 2 Arm Mount

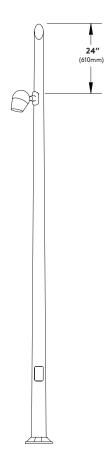
Mounting

Mounting Details

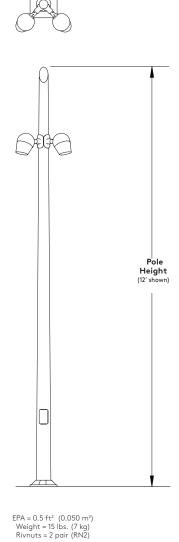
Single (Arm Location: 0D)

Double at 90° (Arm Locations: 0D-0V) Double at 180° (Arm Locations: 0G-0S)





EPA = 0.2 ft² (0.019 m²) Weight = 8 lbs. (4 kg) Rivnuts = 1 pair (RN1)



EPA = 0.5 ft² (0.050 m²) Weight = 15 lbs. (7 kg) Rivnuts = 2 pair (RN2)

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24″

(610mm)

18″

(457mm) ۲

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Olivio Piccolo LED - Sistema 2 Arm Mount

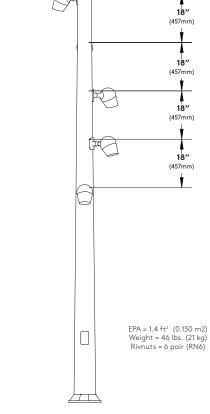
Quadruple Pole Arms

Mounting

Mounting Details

stepped at 90° (Arm Location: 0G-1M-2S-3A) 24" (610mm) Y 18″ (457mm) NA **18''** (457mm) 18″ (457mm) ł Pole Height (16' shown) _ EPA = 0.9 ft² (0.083 m2) Weight = 31 lbs. (14 kg) Rivnuts = 4 pair (RN4 \bigcup

Sextuple Pole Arms stepped at 60° (Arm Locations: 0E-11-2M-3Q-4U-5A)



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24" (610mm)

18″

(457mm)

18" (457mm)

18″

(457mm)

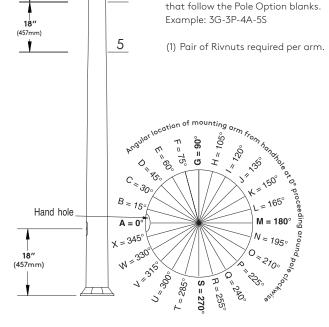
18'

(457mm)

Olivio Piccolo LED - Sistema 2 Arm Mount

Specify Mounting Configurations

(Luminaire shown for illustrative purposes only - not to scale)



Alls Por						minimu		ent ne
To Contraction								
All Alt	A OF POL							_
Nº4	$\langle \gamma \rangle$	$\langle N$	0	1	2	3	4	5
\sim	1 W 15; FROM TO BOL 1 P 10 C 41 TO NO TO DE OLE 1 P 10 C 41 TO NO TO DE OLE CODE 0 0 C 00 E			3.5′	5′	6.5′	8′	9.5′
	A	0°						
robat to	В	15°						
art on ctions will	С	30°						
ally)	D	45°						
ndard con- tal number	Ε	60°						
nfigura- he fixture	F	75°						
SB4	G	90°						
rms)	н	105°						
m Location t ("Height n Code") o of pole, nole.	Ι	120°						
	J	135°						
	К	150°						
tion Codes	L	165°						
ovided on blanks.	Μ	180°						
	N	195°						
d per arm.	0	210°						
	Р	225°						
	Q	240°						
	R	255°						
	S	270°						
Ne ot C	Т	285°						
, proce	U	300°						
eding	V	315°						
ره مرم proceeding around pole مرم مرم proceeding around pole	W	330°						
"Pole	X	345°						

(NOTE: If using Adobe Acrobat to enter data (checks) in chart on right, the following instructions will

When specifying non-standard configurations, enter "SB+(total number

of arms specified)" on configura-

tion matrix on page 1 in the fixture Mounting field. Example: SB4 (specifying 4 mounting arms)

Build up the Mounting Arm Location Codes from chart on right ("Height

Code" +"Angular Location Code")

i.e. "4G" = 8 feet from top of pole,

Enter Mounting Arm Location Codes

on page 1 in the blanks provided

90° clockwise from handhole.

be carried out automatically)

0

1

2

3

4



TYPE:

Use checkboxes provided in chart below. Columns #0 through #5 indicate heights starting with 2 feet (610mm) below top of pole and proceeding downwards in increments of 18 inches (457mm). Rows A through X indicate angular placement around pole starting with 0° at handhole and proceeding clockwise.

NOTE: Arms mounted at same height level must be spaced apart at 90° minimum. Arms mounted at adjacent height levels (18" apart) must be spaced apart at 45° minimum

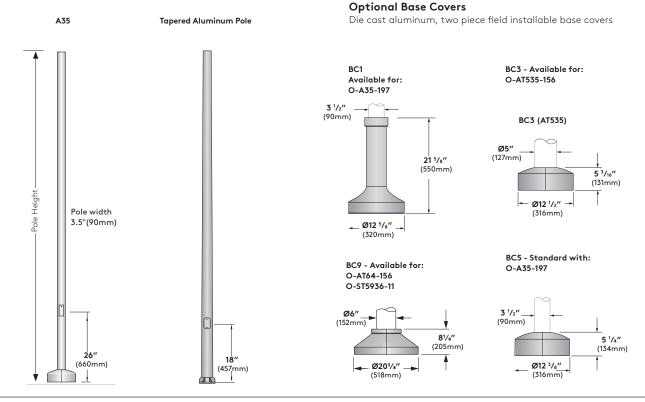
SC



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SC¹

Olivio Piccolo LED - Sistema 2 Arm Mount



Pole Data Chart

Pole Series	Wall	EPA Information				Height	Finish	Rivnut	Options	
T Ole Series	vvan	80mph	90mph	100mph	110mph	Tielgitt	1 11 11 51 1	Pairs	Options	
-A35-197 3.5" Straight Alum Pole	0.197	7.3	5.4	4	3.1		WH White	RN1 1 Pair	BC1 Decorative Cast Aluminum Base Cover (see base	
-AT535-156 5" to 3.5" Round Tapered Alum Pole	0.156	14.4	10.9	8.6	6.9	12 12 ft.	BK Black	RN2 2 Pair	cover details for pole compatibility)	
-A35-197 3.5" Round Straight Alum Pole	0.197	5.8	4.2	3.0	2.2			RN3 3 Pair	BC3 Die-cast, Two-piece Aluminum Base Cover (se	
-AT535-156 5" to 3.5" Round Tapered Alum Pole	0.156	9.4	7.1	5.5	4.4	14 14 ft.	BZ Bronze		base cover details for pol compatibility)	
-AT535-156 5" to 3.5" Round Tapered Alum Pole	0.156	7.7	5.6	4.2	3.3		SV Silver	RN4 4 Pair	BC5 Two-piece Cast Aluminun Base Cover (see base	
-AT64-156 6"-4" Round Tapered Alum Pole	0.156	14.1	10.8	8.6	7.0	16 16 ft.	SP Specify	RN5 5 Pair	base over details for pole compatibility) BC9 Decorative Cast Aluminium Base Cover (see base cover details for pole compatibility) REC GFCI Receptacle with weatherproof cover REC2 GFCI Receptacle with padlockable in-use cover REC3 USB and Duplex Receptacle with weather proof padlockable in-use cover PC Photocell (please consult factory; must be flat top pole; also specify with luminaire * Weatherproof cover intended for portable tools or other portable equipment connected to the outlet	
- \$T5936-11 5.9"-3.6" Tapered Steel Pole	11 ga	19.3	15.1	12.2	10.0		Premium Color	RN6 6 Pair RN7 7 Pair RN8 8 Pair		

EPA values are calculated according to AASHTO 1994 with a 1.3 gust factor. Poles are calculated for an even distributed weight load of 200 lbs weight maximum. If the majority of the load is unevenly distributed, please consult factory for project specific EPA calculations (1) Pair of Rivnuts is required for every mounting arm in pole mount applications. Rivnut codes are denoted in pairs (1 pair Rivnuts = RN1, 2 pair Rivnuts = RN2, 3 pair Rivnuts = RN3, etc) and must be specified for all pole mount configurations.

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Mounting Plate Detail

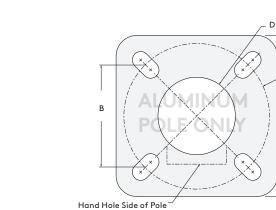
Olivio Piccolo LED - Sistema 2 Arm Mount

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(f)

С

Α

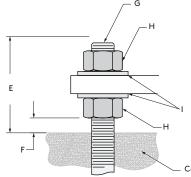


Hand Hole Side of Pole

В

Mounting Plate Details	A Base Plate SQ	B Base Plate SQ	C Base Circle Ø	D Conduit Opening Ø
O-A35-197 3.5" Round Straight Alum Pole	8″ (203mm)	5 ½" (139mm)	7 ³/4″ (197mm)	3″ (76mm)
O-AT535-156 5" to 3.5" Round Tapered Alum Pole	9 5/8″ (244mm)	6 ¼₁″ (155mm)	8 5⁄8″ (219mm)	4 5/8″ (117mm)
O-AT535-188 5" to 3.5" Round Tapered Alum Pole	9 ⁵⁄₃″ (244mm)	6 ¼″ (155mm)	8 5⁄s″ (219mm)	4 ⁵⁄₅″ (117mm)
O-AT64-156 6"-4" Round Tapered Alum Pole	10 ⁵ /16″ (262mm)	6 ¾″ (171mm)	9 ½" (241mm)	5 ½" (140mm)
O-ST5936-11 5.9"-3.6" Tapered Steel Pole	10" (254mm)	6 ³/₃" (162mm)	9″ (229mm)	5 5/8″ (143mm)

Anchor Bolt Detail



Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimension shown. Concrete footing and feed conduit to be designed and installed by others.

Individual 1:1 scale drawings for installation available, please consult factory.

Concrete (by others)

			/	All Hardware is Galvaniz	zed
Anchor Bolt Details	E Bolt Projection	F For Leveling	G Anchor Bolt	H Heavy Hex Nut	l Flat Washer
O-A35-197 3.5" Round Straight Alum Pole	3 ¼″ (82mm)	½″ (13mm)	3/4"-10 UNC x 17"	3/4"-10 UNC	3/4" ID
O-AT535-156 5" to 3.5" Round Tapered Alum Pole	3 ¼″ (82mm)	½″ (13mm)	³ /4"-10 UNC x 17"	3/4''-10 UNC	3/4" ID
O-AT535-188 5" to 3.5" Round Tapered Alum Pole	3 ¼″ (82mm)	½″ (13mm)	³ /4"-10 UNC x 17"	3/4"-10 UNC	3/4" ID
O-ST5936-11 5.9"-3.6" Tapered Steel Pole	4 1∕₅″ (105mm)	½″ (13mm)	1"-8 UNC x 36"	1"-8 UNC	1" ID
O-AT64-156 6"-4" Round Tapered Alum Pole	3 ½" (89mm)	½″ (13mm)	3/4"-10 UNC x 17"	3/4"-10 UNC	3/4" ID

-0

Δ



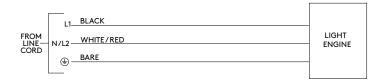
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SC1

Olivio Piccolo LED - Sistema 2 Arm Mount

Wiring Diagram

Standard Wiring (120V-277V)



Wire Designation Table							
Source Voltage (VAC)	Wire Color	Wire Designation					
120V or 277V	Black	L1					
	White	Neutral					
208V or 240V	Black	L1					
	Red	L2					
UNV	Black	L1					
(120V-277V)	White	Neutral (120/277V) or L2 (208/240V)					

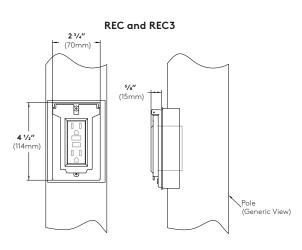


SC1

Olivio Piccolo LED - Sistema 2 Arm Mount

Optional Accessories

Dark Sky 0° Tilt Option (DS) -Luminaire head tilt angle preset and fixed at factory to comply with IDA Dark Sky and BUG U0 ratings. IDA Dark Sky compliant with 3000K CCT only.

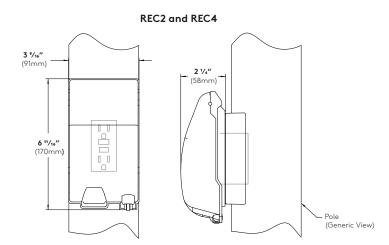


Cover shown in the closed position

GFCI Receptacle (REC) - 120V 15A GFCI duplex receptacle with weatherproof, self-closing cover; located 36" (915mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel (120V only).

USB & Duplex Receptacle (REC3) (not shown) - 120V 20A duplex receptacle with USB combination ports. (1) type A and (1) type C high power 5A, 5V USB outlets. With weatherproof, self-closing cover; located 36" (915mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel.

REC3 does not incorporate GFCI (Ground Fault Circuit Interrupter) protection, and shall be powered by a GFCI protected branch circuit (by others).



Cover shown in the closed position

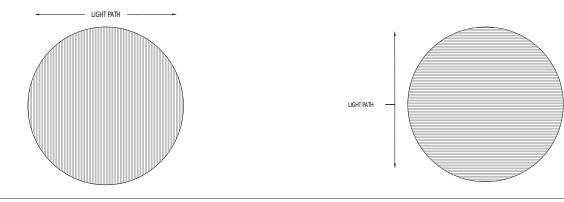
GFCI Receptacle (REC2) - 120V 15A GFCI duplex receptacle with weatherproof, self-closing, padlockable in-use cover; located 36" (915mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel (120V only).

USB & Duplex Receptacle (REC4) (not shown) - 120V 20A duplex receptacle with USB combination ports. (1) type A and (1) type C high power 5A, 5V USB outlets. With weatherproof, self-closing padlockable in-use cover; located 36" (915mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel.

REC4 does not incorporate GFCI (Ground Fault Circuit Interrupter) protection, and shall be powered by a GFCI protected branch circuit (by others).

Horizontal Spread Lens (SLH) - Spread lens for horizontal light distribution. Replaces clear lens and intended to be used with reflectors for S09, F40 or F80 distribution. Preset and fixed at factory.

Vertical Spread Lens (SLV) - Spread lens for vertical light distribution. Replaces clear lens and intended to be used with reflectors for S09, F40 or F80 distribution. Preset and fixed at factory.



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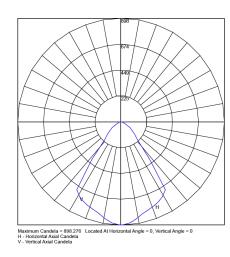
SC1

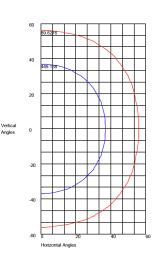
Olivio Piccolo LED - Sistema 2 Arm Mount

Photometry

F80 / 14W LED / 3000K CCT

Catalog #: OLPL-F80-X-2G350-30 Delivered Lumens: 1302 Input Watts: 14W Maximum candela of 898.2 Maximum candela angle: 0H x 0V NEMA Classification: 6H x 6V Power Factor: 0.981 Total Harmonic Distortion: 7.99%

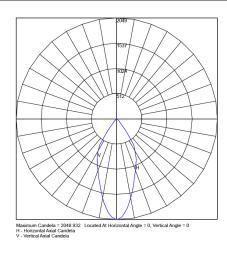


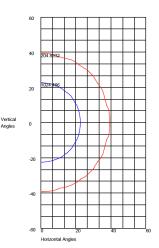


Maximum Candela = 898.276 Located At Horizontal Angle = 0, Vertical Angle = 0 50% Maximum Candela = 449.138 10% Maximum Candela = 89.8276

F40 / 14W LED / 3000K CCT

Catalog #: OLPL-F40-X-2G350-30 Delivered Lumens: 1341 Input Watts: 14W Maximum candela of 2048.9 Maximum candela angle: 0H x 0V NEMA Classification: 5H x 5V Power Factor: 0.981 Total Harmonic Distortion: 7.99%

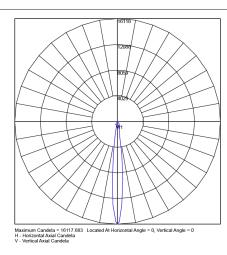


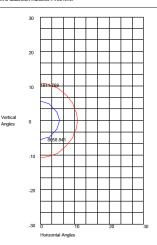


Maximum Candela = 2048.932 Located At Horizontal Angle = 0, Vertical Angle = 0 50% Maximum Candela = 1024.466 10% Maximum Candela = 204.8932

S09 / 14W LED / 3000K CCT

Catalog #: OLPL-S09-X-2G350-30 Delivered Lumens: 1346 Input Watts: 14W Maximum candela of 16117.7 Maximum candela angle: 0H x 0V NEMA Classification: 2H x 2V Power Factor: 0.981 Total Harmonic Distortion: 7.99%



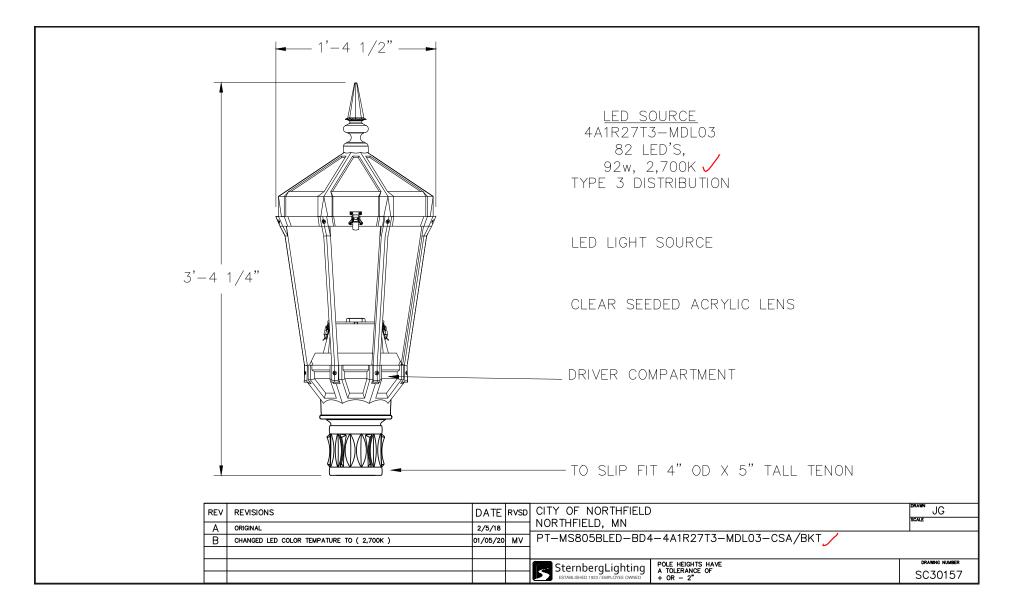


Maximum Candela = 16117.683 Located At Horizontal Angle = 0, Vertical Angle = 0 50% Maximum Candela = 8058.8415 10% Maximum Candela = 1611.7683

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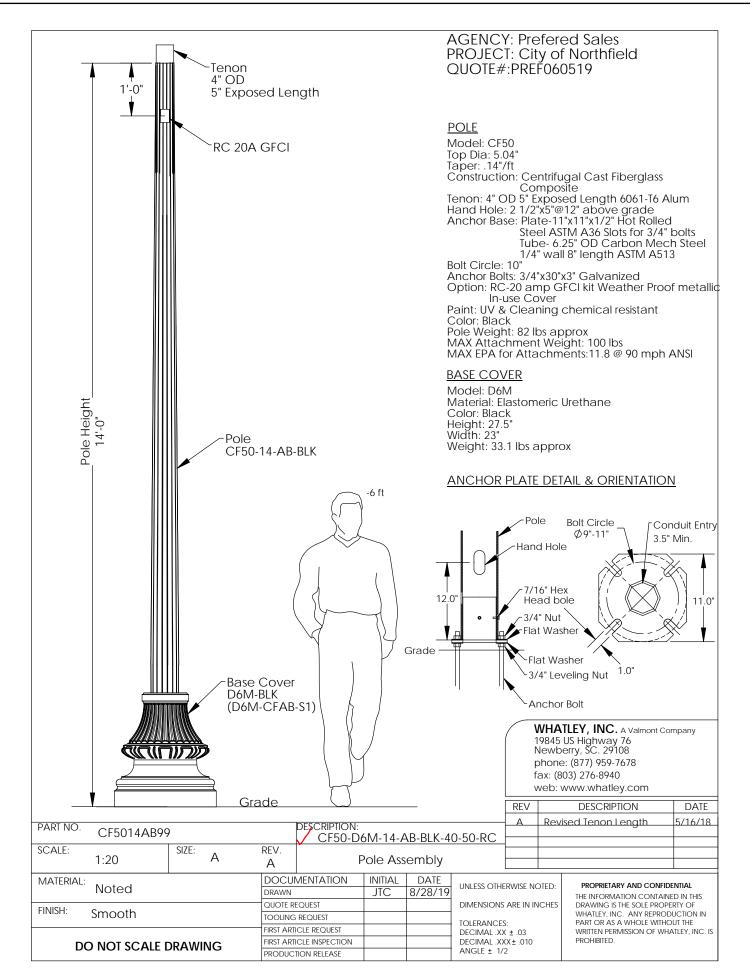
In a continuing effort to offer the best product possible, we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product. Specification sheets found at www.selux.us are the most recent versions and supercede all other printed or electronic versions.











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