



MILWAUKIE PLANNING
 6101 SE Johnson Creek Blvd
 Milwaukie OR 97206
 503-786-7630
 planning@milwaukieoregon.gov

Application for Land Use Action

Master File #: **CSU-2021-005**

Review type*: I II III IV V

CHECK ALL APPLICATION TYPES THAT APPLY:

- | | | |
|---|--|---|
| <input type="checkbox"/> Amendment to Maps and/or Ordinances: | <input type="checkbox"/> Land Division: | <input type="checkbox"/> Residential Dwelling: |
| <input type="checkbox"/> Comprehensive Plan Text Amendment | <input type="checkbox"/> Final Plat | <input type="checkbox"/> Accessory Dwelling Unit |
| <input type="checkbox"/> Comprehensive Plan Map Amendment | <input type="checkbox"/> Lot Consolidation | <input type="checkbox"/> Duplex |
| <input type="checkbox"/> Zoning Text Amendment | <input type="checkbox"/> Partition | <input type="checkbox"/> Manufactured Dwelling Park |
| <input type="checkbox"/> Zoning Map Amendment | <input type="checkbox"/> Property Line Adjustment | <input type="checkbox"/> Temporary Dwelling Unit |
| <input type="checkbox"/> Code Interpretation | <input type="checkbox"/> Replat | <input type="checkbox"/> Sign Review |
| <input checked="" type="checkbox"/> Community Service Use | <input type="checkbox"/> Subdivision | <input type="checkbox"/> Transportation Facilities Review |
| <input type="checkbox"/> Conditional Use | <input type="checkbox"/> Miscellaneous: | <input type="checkbox"/> Variance: |
| <input type="checkbox"/> Development Review | <input type="checkbox"/> Barbed Wire Fencing | <input type="checkbox"/> Use Exception |
| <input type="checkbox"/> Director Determination | <input type="checkbox"/> Mixed Use Overlay Review | <input type="checkbox"/> Variance |
| <input type="checkbox"/> Downtown Design Review | <input type="checkbox"/> Modification to Existing Approval | <input type="checkbox"/> Willamette Greenway Review |
| <input type="checkbox"/> Extension to Expiring Approval | <input type="checkbox"/> Natural Resource Review** | <input checked="" type="checkbox"/> Other: <small>Sign Review</small> |
| <input type="checkbox"/> Historic Resource: | <input type="checkbox"/> Nonconforming Use Alteration | <input type="checkbox"/> Use separate application forms for: |
| <input type="checkbox"/> Alteration | <input type="checkbox"/> Parking: | Annexation and/or Boundary Change |
| <input type="checkbox"/> Demolition | <input type="checkbox"/> Quantity Determination | • Compensation for Reduction in Property |
| <input type="checkbox"/> Status Designation | <input type="checkbox"/> Quantity Modification | • Value (Measure 37) |
| <input type="checkbox"/> Status Deletion | <input type="checkbox"/> Shared Parking | • Daily Display Sign |
| | <input type="checkbox"/> Structured Parking | • Appeal |
| | <input type="checkbox"/> Planned Development | |

RESPONSIBLE PARTIES:

APPLICANT (owner or other eligible applicant—see reverse): North Clackamas School District C/O Ron Stewart

Mailing address: 12400 SE Freeman Way, Milwaukie State/Zip: OR 97222

Phone(s): 503-353-6004 Email: stewartro@nclack.k12.or.us

Please do not include my contact information on public notices or on the City website:

APPLICANT'S REPRESENTATIVE (if different than above): 3J Consulting C/O Mercedes Serra

Mailing address: 9600 SW Nimbus Avenue, Suite 100, Beaverton State/Zip: OR 97006

Phone(s): 503-946-9365 x211 Email: mercedes.serra@3j-consulting.com

SITE INFORMATION:

Address: 2301 SE Willard Street Map & Tax Lot(s): 11E36BC05600

Comprehensive Plan Designation: P, C/HD Zoning: R-2 Size of property: 14.65 acres

PROPOSAL (describe briefly):

NCSD is proposing an adjustment to the sign code to permit an electronic message sign at Milwaukie High School.

SIGNATURE:

ATTEST: I am the property owner or I am eligible to initiate this application per Milwaukie Municipal Code (MMC) Subsection 19.1001.6.A. If required, I have attached written authorization to submit this application. To the best of my knowledge, the information provided within this application package is complete and accurate.

Submitted by: *C. Welch*

Date: 9/27/21

IMPORTANT INFORMATION ON REVERSE SIDE

*For multiple applications, this is based on the highest required review type. See MMC Subsection 19.1001.6.B.1.

WHO IS ELIGIBLE TO SUBMIT A LAND USE APPLICATION (excerpted from MMC Subsection 19.1001.6.A):

Type I, II, III, and IV applications may be initiated by the property owner or contract purchaser of the subject property, any person authorized in writing to represent the property owner or contract purchaser, and any agency that has statutory rights of eminent domain for projects they have the authority to construct.

Type V applications may be initiated by any individual.

PREAPPLICATION CONFERENCE:

A preapplication conference may be required or desirable prior to submitting this application. Please discuss with Planning staff.

REVIEW TYPES:

This application will be processed per the assigned review type, as described in the following sections of the Milwaukie Municipal Code:

- Type I: Section 19.1004
- Type II: Section 19.1005
- Type III: Section 19.1006
- Type IV: Section 19.1007
- Type V: Section 19.1008

****Note:** Natural Resource Review applications **may require a refundable deposit**. Deposits require completion of a Deposit Authorization Form, found at www.milwaukieoregon.gov/building/deposit-authorization-form.

THIS SECTION FOR OFFICE USE ONLY:

FILE TYPE	FILE NUMBER	AMOUNT <small>(after discount, if any)</small>	PERCENT DISCOUNT	DISCOUNT TYPE	DATE STAMP
Master file	CSU-2021-005	\$ 2,000	100%	waived by City Manager	materials received 10/05/21
Concurrent application files		\$			
		\$			
		\$			
		\$			
Deposit (NR only)				<input type="checkbox"/> Deposit Authorization Form received	
TOTAL AMOUNT RECEIVED: \$ 0			RECEIPT #:	RCD BY:	
Associated application file #s (appeals, modifications, previous approvals, etc.):					
Neighborhood District Association(s): Historic Milwaukie					
Notes:					

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- Attachment A – Land Use Application Form
- Attachment B – Technical Sign Plans
- Attachment C – Sign Rendering

GENERAL INFORMATION

Property Owner and Applicant: **North Clackamas School District**
12400 SE Freeman Way
Milwaukie, OR 97222
Contact: Ron Stewart
Phone: (503) 353-6004

Planning Consultant: **3J Consulting, Inc.**
9600 SW Nimbus Avenue, Suite 100
Beaverton, OR 97008
Contact: Mercedes Serra
Phone: (503) 946-9365
Email: mercedes.serra@3j-consulting.com

SITE INFORMATION

Parcel Number: 11E36BC05600
Address: 2301 SE Willard Road
Size: 14.65 acres
Zoning Designation: R-2 (Residential)
Existing Use: Milwaukie High School

INTRODUCTION

APPLICANT'S REQUEST

The North Clackamas School District is proposing to install an electronic reader sign at Milwaukie High School and seeks approval of a Type III Sign Application in conformance with the allowances of Subsection 14.80.90.E. This narrative has been prepared to describe the proposed development and to document compliance with the relevant sections of Milwaukie's Municipal Code.

SITE DESCRIPTION/SURROUNDING LAND USE

Milwaukie High School is located at 2301 SE Willard Road in the City of Milwaukie. The state tax identification for the site is 11E36BC05600. The site is approximately 14.65 acres in size and is zoned R-2 (Residential). The proposed sign will be located in the southwestern portion of the High School property, at the northeast corner of SE Willard Road and SE 23rd Avenue where the parking lot for the main entrance is located. The area where the sign will be located is across SE Willard Road from a multi-family housing development in the R-2 zone to the south. Properties to the west of this portion of the high school site are zoned DMU (Downtown Mixed Use) and are developed with commercial property. To the north and east of where the sign is proposed is the Milwaukie High School campus.

PROPOSAL

The North Clackamas School District is proposing Type III Sign Permit Application to permit an electronic message sign at Milwaukie High School (MHS). The Applicant has previously requested approval of precisely the same sign at the same location prior to a recent code amendment to Title 14 of the Milwaukee Municipal Code pertaining to electronic signs at high school locations. This previous application was for an adjustment to the sign code criteria pursuant to Subsection 14.32 Adjustments and was denied at the Planning Commission level. The proposal for which this narrative concerns does not request an Adjustment – it seeks approval by way of compliance with the recent amendments to Subsection 14.80.90.E.

Milwaukie High School is not just a public school. It is a large, publicly owned, multifunctional venue that provides Milwaukie citizens appropriately sized spaces for theatrical performances, athletics (in the gym or on the fields and stadium), and meetings of all sizes. The high school is also a Clackamas County Category 4: Critical/Essential Building that will be used in case of a major earthquake (generator power is available to power an electronic reader sign).

The sign would provide a service to the community in promoting events of interest to Milwaukie residents. Specifically, the sign would provide promotion of the arts through events that are often hosted by the Milwaukie Academy of the Arts and Milwaukie High School, who both share the same campus.

An electronic reader board sign at this site would be used to provide school and citywide information serving both the high school and the Milwaukie community. The approval of the sign permit to allow an electronic reader board at Milwaukie High School would apply only to this site as it is a unique, multi-purpose, publicly owned campus broadly serving the citizens of the City and built to serve as a Category 4: Critical/Essential Building for the community during a disaster.

APPLICABLE CRITERIA

The following sections of Milwaukie's Municipal Code have been extracted as they have been deemed to be applicable to the proposal. Following each bold applicable criteria or design standard, the Applicant has provided a series of draft findings. The intent of providing code and detailed responses and findings is to document, with absolute certainty, that the proposed development has satisfied the approval criteria for a Type III Sign Permit application.

TITLE 14 SIGNS

CHAPTER 14.04 GENERAL PROVISIONS

14.04.020 PURPOSE

The Council of the City of Milwaukie, Oregon, finds and declares that it is necessary to regulate the design, quality of materials, construction, installation, maintenance, electrification, illumination, type, size, number, and location of all signs visible from a right-of-way or lot under other ownership in order to:

- A. Protect the health, safety, property and welfare of the public;**
- B. Promote the neat, clean, orderly and attractive appearance of the community;**
- C. Provide for the safe installation and maintenance of signs;**
- D. (Repealed by Ord. 1965);**
- E. Preserve and enhance the unique scenic beauty of Milwaukie;**
- F. Accommodate the need of sign installers while avoiding nuisances to nearby properties;**
- G. Ensure safe construction, location, installation, and maintenance of signs;**
- H. Prevent proliferation of sign clutter;**
- I. Minimize distractions for motorists on public highways and streets;**
- J. Regulate solely on the basis of time, place, and manner of a sign, not on its content; and**
- K. Coordinate review where multiple agencies have review authority for a sign permit.**

Applicant's Findings: The proposed electronic message sign at Milwaukie High School will comply with all provisions of this purpose statement. Approval of this proposal to allow the electronic sign in conformance with 14.80.90.E. will allow greater protection of the health, safety, property and welfare of the public in disseminating emergency information clearly and quickly.

Milwaukie High School is an emergency community shelter in times of natural disaster and portions have been built to serve as a Category 4: Critical/Essential Building. In the case of a major earthquake, electrical, telephone and cell phone service may not be available. In the case of such outages, an electronic reader board powered by a generator would provide essential information to the Milwaukie community, including direction to those looking for food, shelter or services.

The approval of this proposal to allow an electronic reader board at Milwaukie High School, a Critical/Essential Building is only applicable to one site in the City, as it is the only public high school in the City limits (and the only public high school that is a Critical/Essential Building). Approval of this proposal meets the sign code purpose of protecting the health, safety, property and welfare of the public. Approval of this proposal is also inherently limited to just this one site in that it is the only site where an electronic reader board would directly serve the high school population *and* the Milwaukie community.

The sign would be well-maintained and kept neat, clean and orderly and be designed with an attractive appearance for the Milwaukie community, enhancing the unique scenic beauty of the City. The sign would be safely located and installed in an area free of sign clutter and without nuisance to nearby properties. As the sign would be located at SE 23rd and SE Willard, an intersection most heavily traveled by students, parents and teachers during school sessions, there is little concern of distractions for motorists on public highways and streets.

The City of Milwaukie has the sole review authority for an electronic display sign permit on this site, and approval of a sign code proposal to allow an electronic reader sign on this site would represent the City's regulation solely on the basis of time, place, and manner of the sign and not its content. The proposed sign permit and resultant electronic reader sign at Milwaukie High School meets all of the components of the sign code purpose statement.

CHAPTER 14.08 ADMINISTRATION AND ENFORCEMENT

14.08.90 CONDITIONAL AND COMMUNITY SERVICE USE SIGNS

- A. Signs for conditional and community service uses shall be limited to those allowed in the underlying zone, except as allowed by Subsections 14.08.090.B and C.**
- B. The standards of the underlying zone may be increased to the standards in Table 14.08.090.B, pursuant to a Type I review.**

Table 14.08.090.B				
Standards for Conditional and Community Service Use Signs with Type I Review				
Sign Type	Size	Number	Height	Location
Monument or freestanding sign	Max. 16 SF per display surface	1	Max 6 ft. above ground	Not in the public right-of-way
Wall sign	Max. 16 SF	1 per building face		
Daily Display	Max. 12 SF per display surface	1 per frontage		Not in the public right-of-way except as allowed in MMC Section 14.20.040.

Applicant's Findings: The Applicant is not proposing a sign relevant to the criteria delineated in the above-mentioned provisions or in the accompanying Table 14.08.090.B. Please see below for the applicable standards.

C. The standards of the underlying zone may be increased to the standards in Table 14.08.090.C per Section 19.1006 Type III Review.

In reviewing an application for a sign to meet the standards of Table 14.08.090.C, the Planning Commission will consider the proximity of the sign to residences, the functional classification of adjacent streets, and the scale of surrounding development.

Table 14.08.090.C Standards for Conditional and Community Service Use Signs with Minor Quasi-Judicial Review					
Sign Type	Size	Number	Height	Location	Illumination ¹
Monument or freestanding sign	Max. 40 SF per display surface Max. length 20 ft	One	Max 12 ft. above ground	Not in the public right-of-way	Follow the base sign district standards ²
Wall sign	10% of the building face up to 40 SF	One per building face			Follow the base sign district standards
Daily Display	Max. 12 SF per display surface	One per frontage		Not in the public right-of-way except as allowed in MMC Section 14.20.040.	Follow the base sign district standards

¹ Follow the illumination standards in the Community Service Use's base sign district unless the Community Service Use is a public high school.

² A public high school can apply to have one electronic display monument or freestanding sign that meets the Community Service Use Illumination standards of 14.080.090.E.

Applicant's Findings: Pursuant to 14.04.030 of the Milwaukee Municipal Code, "display surface" is defined as:

"The area made available by the sign structure for the purpose of displaying the message."

Size/Display Surface

The monument sign contains two areas that comprise the display surface – one that is not an electronic reader area and one that is. The static portion of the display surface area is 22.54 square feet as measured on the provided plans, whereas the electronic reader area is 17 square feet. Together, the proposed monument sign

contains a display surface of 39.54 square feet, which is under the 40 square foot maximum allowed by this standard. The combined length of both display surface areas is 11.52 lineal feet, which is well under the maximum display surface length of 20 feet provided by this standard.

Location

The site is not located in public right-of-way as demonstrated on the Site Plan provided alongside this narrative.

Height

Pursuant to 14.04.030 of the Milwaukee Municipal Code, "height" is:

"... measured from the highest point of the grade below the sign to the topmost point of the sign.

This standard requires that the sign be a maximum of 12' in height. The sign, as measured on the provided plans, is 4' 9" when measured from the highest point of the grade below the sign to the topmost point of the sign.

Illumination

Please see subsection E. below for compliance with this standard.

As described above, these requirements have been met.

- D. In addition to the sign size limitations of this chapter, if an original art mural permitted under Title 20 occupies a wall where a wall sign has been proposed, the size of the wall sign shall be limited such that the total area of the original art mural plus the area of the wall sign does not exceed the maximum allowed.**

Applicant's Findings: The subject sign proposal does not pertain to original mural art; therefore, this standard is not applicable.

- E. Electronic display signs are permitted for Community Service Uses that are public high schools, subject to the following standards:**
- 1. An electronic display sign may be included only as part of a larger sign. The electronic display portion of the sign is a maximum combined area of twenty (20) sq ft. The display portions can be on multiple faces of the sign with a limit of a maximum combined area of twenty (20) sq ft.**

Applicant's Findings: The electronic display portion of the sign as shown on the provided plans is 5' 4-1/2" (or 5.375') x 3' 2" (or 3.16') resulting in a total combined square footage of 16.99 square feet. This is under the maximum combined area of 20 sq ft. permitted by this standard. This standard is met.

2. Illumination for an electronic display sign is subject to the standards of Subsection 14.24.020.G.1.

Applicant's Findings: Compliance with this standard is addressed in Subsection 14.24.020.G.1.

3. The manner of display on electronic display signs shall comply with the standards of Subsection 14.24.020.G.3.

Applicant's Findings: Compliance with this standard is addressed in Subsection 14.24.020.G.3.

CHAPTER 14.12 SIGNS PROHIBITED OR EXEMPTED

14.12.020 PROHIBITED SIGNS

It is unlawful for any person to install, display or maintain, and no permit shall be issued for the installation, display or maintenance of, any sign or advertising structure falling within any of the following descriptions:

R. Electronic display signs that display message or copy using any prohibited electronic display methods, as defined in Section 14.04.030.

Applicant's Findings: Section 14.04.030 defines "Prohibited electronic display" as "any part of the message or display on an electronic display sign that utilizes the following methods of presentation:

'Flash' means sudden or intermittent electrical illumination.

'Scroll' means the changing of an electronic display by the apparent movement of the visual image, such that a new visual image appears from the margins of the sign in a continuous or unfurling movement.

'Travel' means the changing of an electronic display by the apparent horizontal movement of the visual image.

'Video display' means providing an electronic display in horizontal or vertical formats to create continuously moving images."

The proposed electronic sign display will not utilize any of the prohibited methods of presentation. The presentation type will be light-emitting diodes (LEDs) consistent with electronic display signs at other high schools in North Clackamas School District. Therefore, the District does not propose a prohibited sign type with this sign permit application. This standard is met.

CHAPTER 14.24 SIGN CONSTRUCTION, MAINTENANCE, AND LIGHTING

14.24.020 SIGN LIGHTING

A. All lamps or bulbs exposed to direct view shall be limited to 25 watts or less capacity.

Applicant's Findings: The proposed electronic sign will have lamps or bulbs exposed to direct view at 25 watts or less capacity. This standard is met.

B. When neon tubing is employed on the exterior or interior of a sign, the capacity of such tubing shall not exceed 300 milliamperes rating for white tubing nor 100 milliamperes rating for colored tubing.

Applicant's Findings: The proposed electronic sign will not contain neon tubing. This standard is met.

C. When fluorescent tubes are used for interior illumination of a sign, such illumination shall not exceed illumination equivalent to 800 milliamperes rating tubes behind a Plexiglas face with tubes spaced at least 9 inches apart, center to center.

Applicant's Findings: The proposed electronic sign will not contain fluorescent tubes. This standard is met.

D. Lighting from any sign may not directly, or indirectly from reflection, cause illumination on other properties in excess of 0.5 footcandles of light.

Applicant's Findings: The proposed electronic sign will not have lighting that will directly, or indirectly from reflection, cause illumination on other properties in excess of 0.5 footcandles of light. This standard is met.

E. In the event of a conflict between the standards in this section and a specific standard in the regulations for a sign district, the sign district regulations shall prevail.

Applicant's Findings: The approval of this Type III sign permit will not result in a conflict with these standards. This standard is met.

F. Other types of illumination not described by Subsections 14.24.020.A-C, such as light-emitting diodes and other similar technology, are allowed for interior or exterior illumination of a sign if all other regulations of Title 14 are met.

Applicant's Findings: The proposed electronic sign will utilize light-emitting diodes (LEDs) for illumination in compliance with all other regulations of Title 14. This standard is met.

G. Electronic display signs are allowed in the Commercial Zone sign district (Section 14.16.040) and the Manufacturing Zone sign district (Section 14.16.050), subject to the standards below. Electronic display signs are allowed in the Downtown Zones sign district per Subsection 14.16.060.H.6 and the standards below.

1. Illumination

a. An electronic display sign may not have an illumination intensity of more than 0.3 footcandles over ambient light, measured at the distance specified by the following calculation:

$$\text{Measurement distance} = \sqrt{\text{sign face area} \times 100}$$

The measurement shall be taken as the difference in illumination between the electronic display sign turned off and the electronic display sign displaying either a solid white screen (for multicolor displays) or a solid single-color screen (for single-color display). To the degree practicable, the measuring device shall be parallel to the plane of the sign face and the measurement shall be made from a location that is perpendicular to the plane of the sign face. The specified distance shall be the shortest straight-line distance to the sign face, including horizontal and vertical distance from the sign if the sign is elevated.

b. The sign shall have a mechanism that automatically adjusts the illumination level to comply with the standards in Subsection 14.24.020.G.1.a.

c. In addition to the standards of Subsection 14.24.020.G.1.a, no electronic display sign shall be brighter than necessary for clear and adequate visibility, or of such brilliance or intensity as to present a hazard to persons traveling in the right-of-way. Upon notice by the Planning Director that a sign is out of compliance with these standards, the owner or operator of an electronic display sign shall immediately adjust the illumination of the sign.

2. Size

a. Electronic display signs on properties north of the centerline of Highway 224 which also have frontage on McLoughlin Blvd, Main St, or Frontage Rd are subject only to the applicable size limits elsewhere in Title 14. Subsection 14.24.020.G.2.b does not apply.

b. An electronic display sign in the Commercial Zone sign district or Manufacturing Zone sign district, with the exception of the McLoughlin Blvd corridor described in Subsection 14.24.020.G.2.a, may be included only as part of a larger sign, and the electronic display portion of the sign is subject to the more restrictive of the size limitations below:

(1) 50% of the size of the sign face that contains the electronic display sign, abuts the electronic display sign, or is on the same sign structure as the electronic display sign.

(2) 50 sq ft.

c. Size regulations for signs in the Downtown Zones sign district are as described in Subsection 14.16.060.H.6.

3. Display

a. The message or copy on an electronic display sign is allowed to change no more frequently than described below:

(1) Not more than once every 10 seconds for an electronic display sign with a sign face of 20 sq ft or less, or for any size of electronic display sign on a property in the McLoughlin Blvd corridor described by Subsection 14.24.020.G.2.a.

(2) Not more than once every 2 minutes for electronic display signs not described by Subsection 14.24.020.G.3.a(1).

b. The change in message or copy may occur instantaneously or may fade or dissolve with a transition time of no more than 2 seconds between each separate message or display.

Applicant's Findings: The proposed electronic sign will not have an illumination intensity over ambient light of more than 0.3 footcandles, measured according to the provisions of G.1.a., above. The sign will have a mechanism that automatically adjusts the illumination level to limit the intensity level over ambient light to 0.3 footcandles or less and shall be no brighter than necessary for clear and adequate visibility. The proposed electronic display area will be sized to comply with the code standards. The message or copy on the electronic sign will meet the requirements for frequency of change. The change in message or copy will occur instantaneously or will fade or dissolve with a transition time of no more than 2 seconds between each separate message or display. These standards are met.

H. Shielding

The purpose of the regulations below is to prevent light pollution from illuminated signs into the sky. The light source for externally illuminated signs with a sign face of 100 sq ft or more shall have a cutoff angle of 90 degrees or greater to ensure that lighting is not directed upward.

Applicant's Findings: The proposed electronic sign will not have a sign face of 100 square feet or more and, therefore, this standard is not applicable.

SUMMARY AND CONCLUSION

Based upon the materials submitted herein, the Applicant respectfully requests approval from the City's Planning Commission for this Type III Sign Permit application.



MILWAUKIE HIGH SCHOOL

ELECTRONIC READER BOARD RENDERING

JANUARY 2021

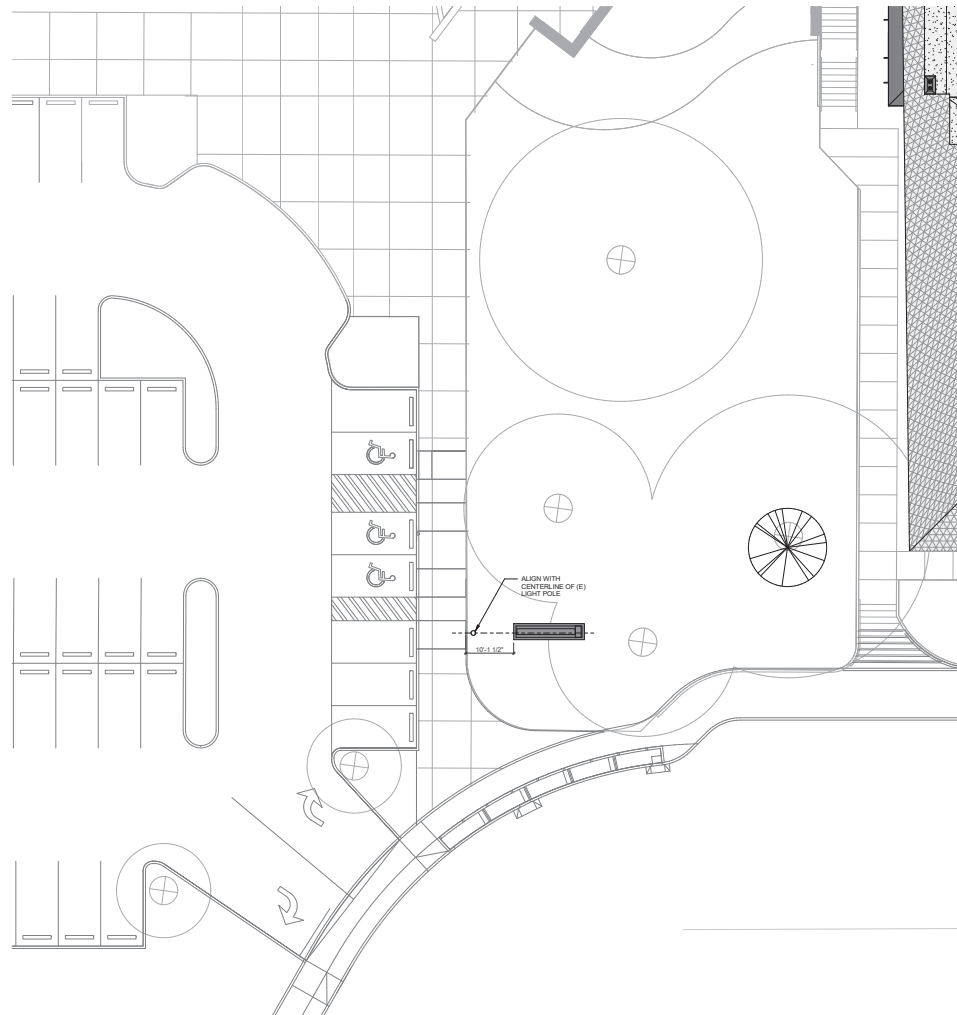
MILWAUKIE HIGH SCHOOL

NORTH CLACKAMAS SCHOOL DISTRICT
2301 SE Willard Street, Milwaukie, OR 97222

owner
NORTH CLACKAMAS SCHOOL DISTRICT
t: (503) 353-8830 f: (503) 353-5846

architect
BRIC Architecture Inc.
1233 NW Northrup Street, Suite 100
Portland, Oregon 97209
(503) 595-4900
ian.reynolds

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- Ax2.01 MONUMENT SIGN PLANS & SECTIONS
- Ax2.02 MONUMENT SIGN DETAILS

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- E0.02 LUMINAIRE SCHEDULE - ELECTRICAL
- E0.03 LIGHTING SCHEDULE
- E0.04 SITE PLAN - ELECTRICAL
- E6.02 PANEL SCHEDULES - ELECTRICAL

DEFERRED SUBMITTAL LIST

- PRECAST ARCHITECTURAL CONCRETE,
SECTION 03 45 00 - PRECAST ARCHITECTURAL
CONCRETE

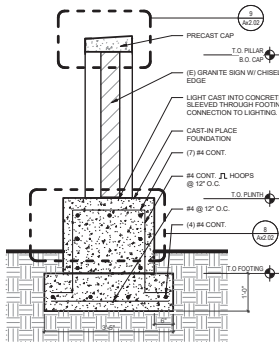
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MONUMENT SIGN

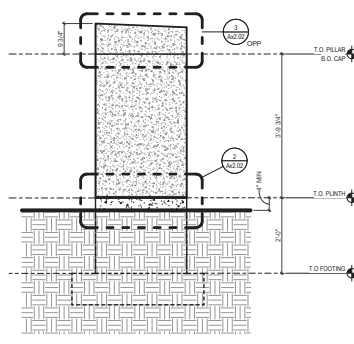
12/15/21

BRIC
ARCHITECTURE, INC.

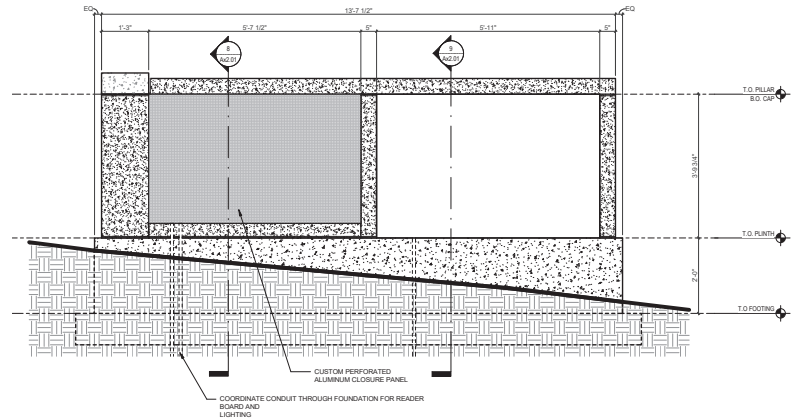
MILWAUKIE HIGH SCHOOL
MONUMENT SIGN | 12/15/21 | Project #17010



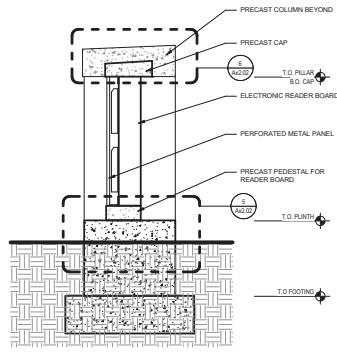
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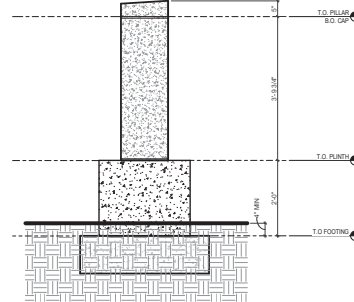
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SCALE: 3/4" = 1'-0"



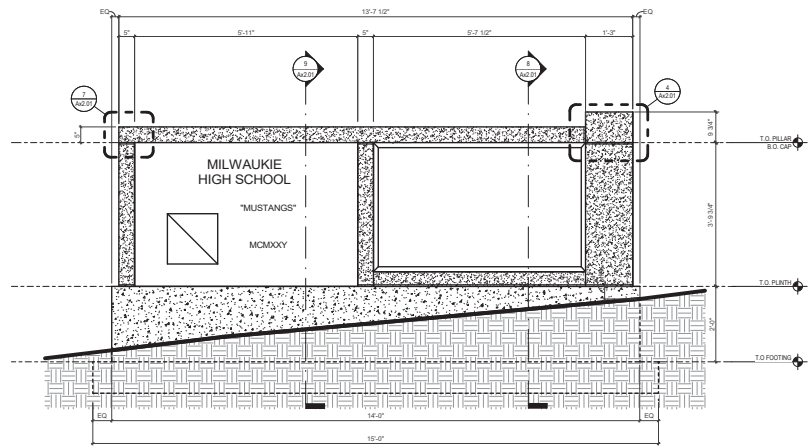
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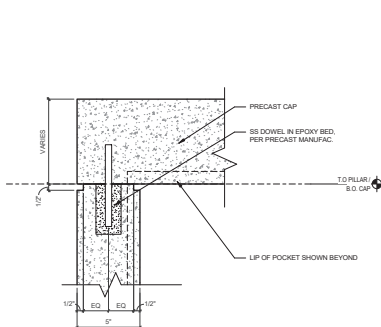
READER BOARD SECTION 8
SCALE: 3/4" = 1'-0"



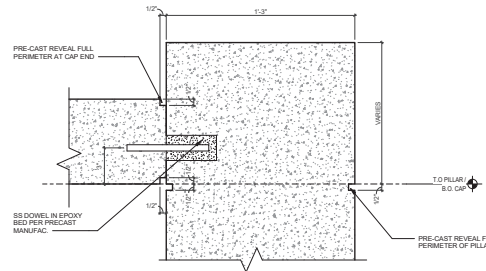
MHS SIGN - WEST ELEVATION 5
SCALE: 3/4" = 1'-0"



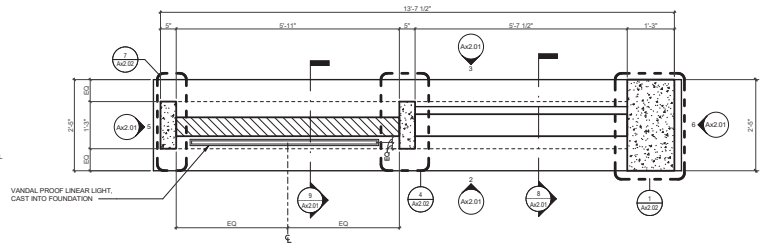
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SCALE: 3/4" = 1'-0"



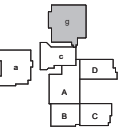
DOWEL CONNECTION 7
SCALE: 3/4" = 1'-0"



DOWEL CONNECTION 4
SCALE: 3/4" = 1'-0"



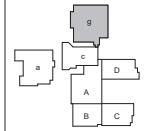
PLAN 1
SCALE: 3/4" = 1'-0"



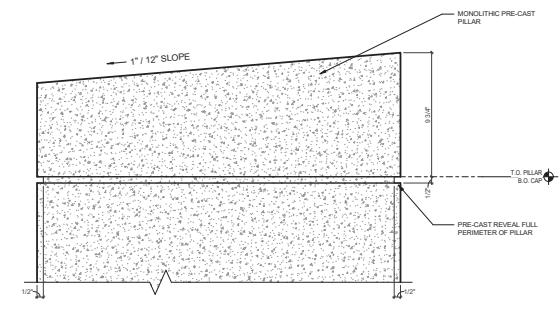
key plan

revisions	

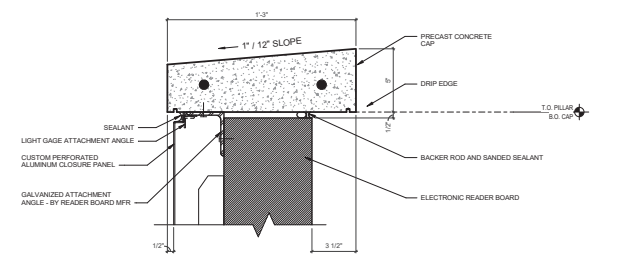
phase	MONUMENT SIGN
date	12/15/21
project	17010
MONUMENT SIGN PLANS + SECTIONS	



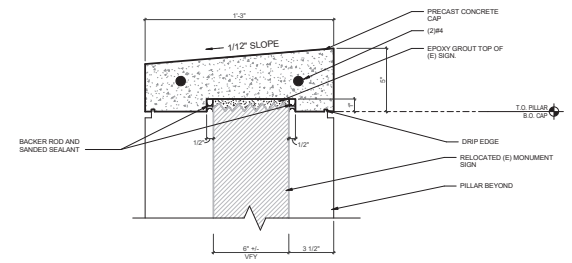
key plan	
revisions	
phase	MONUMENT SIGN
date	12/15/21
project	17010
	MONUMENT SIGN DETAILS



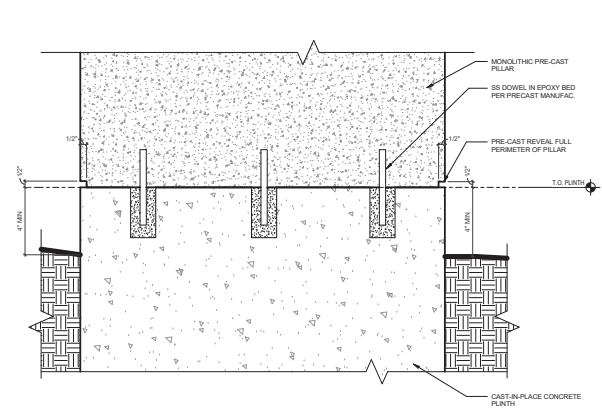
CAP AT PILLAR 3
SCALE: 3" = 1'-0"



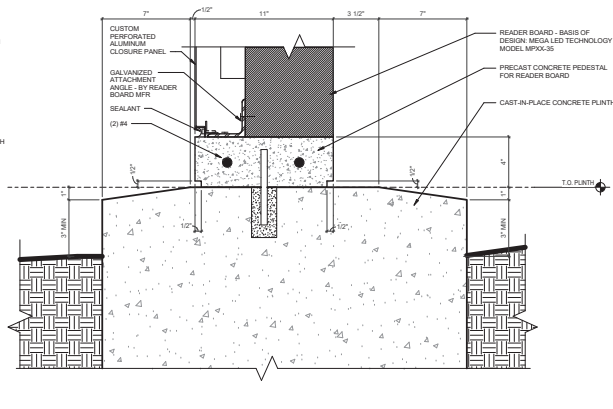
CAP AT READER BOARD 6
SCALE: 3" = 1'-0"



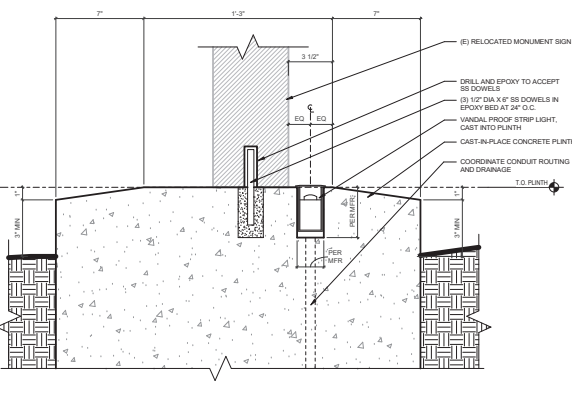
CAP AT (E) SIGN 9
SCALE: 3" = 1'-0"



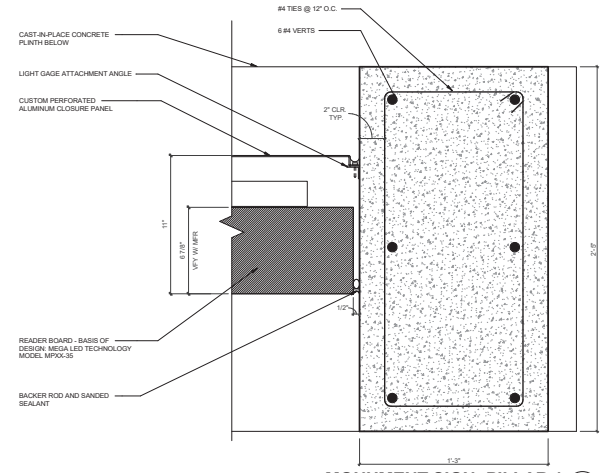
FOUNDATION AT PILLAR 2
SCALE: 3" = 1'-0"



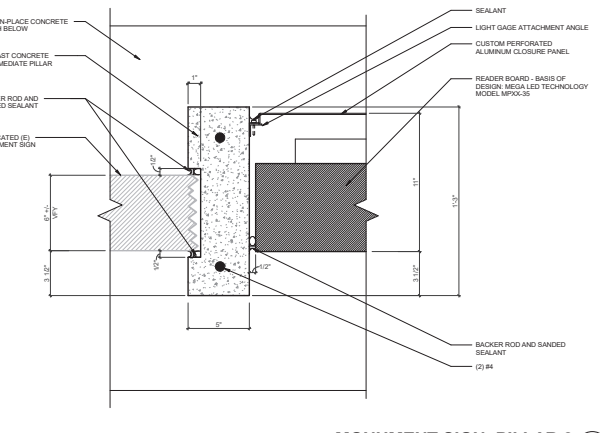
FOUNDATION AT READER BOARD 5
SCALE: 3" = 1'-0"



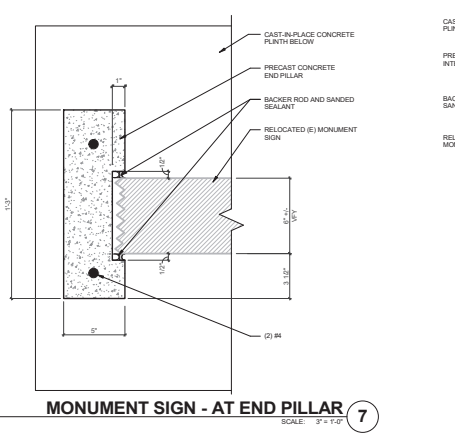
FOUNDATION AT (E) SIGN 8
SCALE: 3" = 1'-0"



MONUMENT SIGN - PILLAR 1 1
SCALE: 3" = 1'-0"

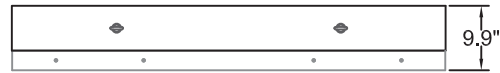


MONUMENT SIGN - PILLAR 2 4
SCALE: 3" = 1'-0"

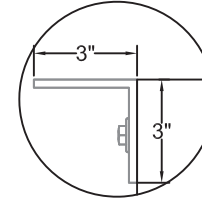


MONUMENT SIGN - AT END PILLAR 7
SCALE: 3" = 1'-0"

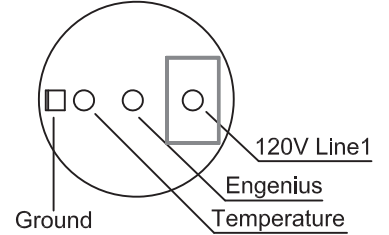
REV.	DESCRIPTION	CHKD	DATE
0	DRAWING FOR APPROVAL		



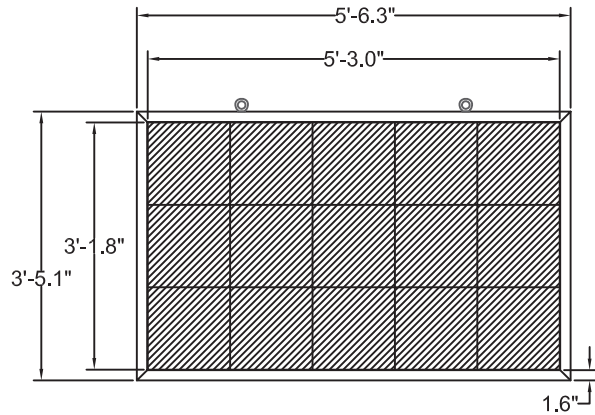
TOP VIEW



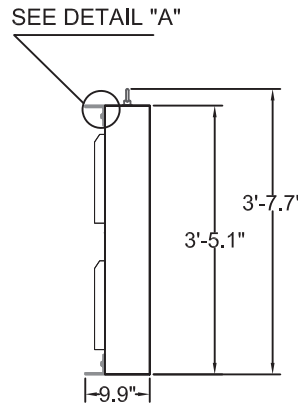
DETAIL "A"



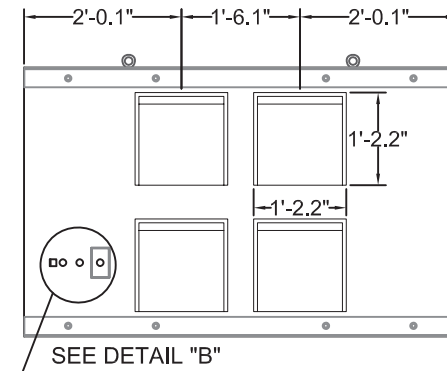
DETAIL "B"



FRONT VIEW



SIDE VIEW



BACK VIEW

<NOTE>

1. IN ORDER TO MAINTAIN THE STRUCTURE OF THE SIGN CABINET, USE SPREADER BEAM AND MAINTAIN A 90° ANGLE BETWEEN THE LIFTING METHOD AND THE CABINET
2. VENT COVER PERIODICALLY CLEANED ENSURE PROPER VENTILATION
3. EYEBOLTS SHALL BE REMOVED AFTER INSTALLATION
4. EYEBOLTS MAY NOT BE USED FOR PERMANENT INSTALLATION
5. SEE POWER RATINGS ABOVE
6. MEGA IS NET RESPONSIBLE FOR THE MAIN ELECTRICAL DISCONNECT
7. VENT LOCATION IS APPROXIMATE. IT MAY BE CHANGED WITHOUT NOTICE. INCASE THE VENT LOCATION IS CRITICAL FOR INSTALLATION. PLEASE CONTACT YOUR SALES TO CONFIRM.

MHS CCD-93
12.15.2021

<small>THE CONCEPTS EXPRESSED AND DETAILS SHOWN ON THIS DRAWING ARE CONFIDENTIAL AND PROPRIETARY. DO NOT REPRODUCE BY ANY MEANS WITHOUT THE EXPRESSED WRITTEN CONSENT OF MEGA LED TECHNOLOGY, INC. COPYRIGHT 2018 MEGA LED, TECHNOLOGY, INC.</small>	MODEL	MODEL SPEC	WEIGHT	UNIT	SHEET NO : 1 of 1	
	S4	MPXX-35	184lb	inch	Rev.	0
	DATE: 09.25.2018	MPXX-35				
	APPO BY					
DSND BY	Raf.K					

CONSTRUCTION CHANGE DIRECTIVE

OWNER:
ARCHITECT:
CONSULTANT:
CONTRACTOR:
FIELD:
OTHER:

This document is identical to AIA DOCUMENT G714

PROJECT: Milwaukie High School 2301 SE Willard Street Milwaukie, OR 97222	CONTRACT INFORMATION: Contract For: Construction Date: 08.11.2017 Architect's Project No: 17010	DIRECTIVE INFORMATION: Directive Number: 093 Date: 12.15.2021
---	---	---

OWNER: North Clackamas School District 12400 SE Freeman Way Milwaukie, OR 97222	FROM ARCHITECT: BRIC Architecture, Inc. 1233 NW Northrup, Suite 100 Portland, OR 97209	TO CONTRACTOR: Skanska USA Building 222 SW Columbia Street #300 Portland, OR 97201
---	--	--

The Contractor is hereby directed to make the following change(s) in this Contract:

Provide new MHS site sign per the attached drawings. Sign includes:

- Cast-in-place concrete foundation and plinth
- Salvaged and re-installed existing granite monument sign
- Recessed linear outdoor light for illuminating the existing granite monument sign
 - Basis of Design: Inter-Lux Archiline-A Series Light, 3000K, with asymmetric optics, in 5'-0" length
- New electronic reader board
 - Basis of Design: Mega LED Technology Reader Board, model MPXX-35 with custom color frame finish
- Custom Perforated Aluminum Closure Panel
 - Basis of Design: Zahner .125 thick aluminum panel with inverted seam joints, KYNAR 5000 finish in custom color, with "Lattice" perforation
- Precast Concrete (Delegated Design) sign frame
 - Basis of Design: Michaels Precast Concrete, LLC, color and finish to match "Austin Hall"

PROPOSED ADJUSTMENTS

1. The proposed basis of adjustment within the Guaranteed Maximum Price is:

- Lump Sum increase of \$0.00.
- Unit Price of \$ 0 per unit of measure.
- As provided in Section D.1.3, (c) of State of Oregon General Condition for Public Improvement Contracts, Not to exceed, (n.t.e.) \$0.
- As follows: **TBD**

2. The Contract Time is proposed to remain unchanged. The proposed adjustment, if any, is an increase of 0 days) (a decrease of 0 days).

ATTACHMENTS:

<u>ITEM:</u>	<u>PAGES:</u>	<u>DATE:</u>
New Architectural sheets Ax2.00, Ax2.01, Ax2.02 and Electrical sheets E0.02, E0.03, E0.04, E6.02 clouded #CCD93	7	12.15.2021
Inter-Lux Lighting Achiline-A Series Light Cutsheets	8	12.15.2021
Mega LED Technology Model MPXX-35 Cutsheet	1	12.15.2021

NOTE: The Owner, Architect and Contractor should execute a Change Order to supersede this Construction Change Directive to the extent they agree upon adjustments to the Contract Sum, Contract Time, or Guaranteed Maximum price for the change(s) described herein.

As noted above:

When signed by the Owner and Architect and received by the Contractor, this document becomes effective IMMEDIATELY as a Construction Change Directive (CCD), and the Contractor shall proceed with the change(s) described above.

Signature by the Contractor indicates the Contractor's agreement with the proposed adjustments in Contract Sum and Contract Time set forth in this CCD.

BRIC Architecture Inc.
1233 NW Northrup St, Ste 100
Portland, Oregon 97209
503-595-4900

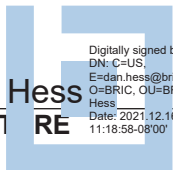
ARCHITECT

North Clackamas School District
12400 SE Freeway Way
Milwaukie, Oregon 97222
503-353-6000

OWNER

Skanska USA Building
222 SW Columbia Street #300
Portland, Oregon 97201
503-382-0900

CONTRACTOR


Digitally signed by Dan Hess
DN: C=US,
E=dan.hess@bric-arch.com,
O=BRIC, OU=BRIC, CN=Dan Hess
Date: 2021.12.16
11:18:58-08'00'

Dan Hess
SIGNATURE

SIGNATURE

SIGNATURE

Dan Hess,
Principal

PRINTED NAME AND TITLE

Kevin Moisan,
Program Manager

PRINTED NAME AND TITLE

RJ Strength,
Project Manager

PRINTED NAME AND TITLE

DATE

DATE

DATE

LUMINAIRE SCHEDULE

Table with columns: TYPE, DESCRIPTION, HOUSING, SHELGING, MOUNTING, FINISH, ULIP RATINGS, BALLAST, LAMP(S), INPUT WATTS, MFG/CATALOG #, NOTES. Contains rows for various luminaire types like recessed, surface, and wall-mounted fixtures.

NOTES: 1. THE LUMINAIRE SCHEDULE IS NOT COMPLETE WITHOUT A COPY OF THE PREVIOUS DRAWINGS CONTAINING THE ELECTRICAL SPECIFICATIONS... 2. DIMMING CONTROL... 3. PROVIDE 1/2 INCH ADJUSTABILITY IN HANGING... 4. COORDINATE ALL CEILING TYPES WITH LUMINAIRE LOCATIONS...



1233 NW Northrup Street Suite 100 Portland, Oregon 97209 tel. (503) 555-8400



EXPIRES: 12/31/22



MILWAUKIE HIGH SCHOOL NORTH CLACKAMAS SCHOOL DISTRICT 2301 SE Willard Street, Milwaukie, OR 97222 t: (503) 353-5820 f: (503) 353-5966

key plan

Revisions table with columns: REVISIONS, ADD-02, CDD-003, CDD-003, DATE, 08/31/2018, 12/02/2019, 12/15/2021

phase RECORD SET

date 05/21/2021 17:10:10 project LUMINAIRE SCHEDULE - ELECTRICAL

INTERFACE ENGINEERS logo and contact information: 100 SW Main St, Suite 100, Portland, OR 97204

E0.02

12/30/2021 4:05:18 PM C:\Users\jantab\Documents\16055_MIS Revit Model MEP Central v7 - RECORD DRAWINGS - Quire\sheet.rvt

In NEMA 1 enclosure and
Surface Mounted

Lighting Control Panel
'LCP1B'
Circuit: 4L51B-11

Relay #	Circuit	Description	Control	Notes
1	4L51B-1	L-HALLWAYS	TC OS	
2	4L51B-7	L-EXTERIOR LOBBY	AC	
3	4L51B-6	L-EXTERIOR	AC	
4	4L51B-8	L-EXTERIOR	AC	
5	4L51B-10	L-EXTERIOR	AC	
6	4L51B-11	L-EXTERIOR	AC	
7	4L51B-12	L-EXTERIOR	AC	
8				
9				
10				
11				
12				
13				
14	4L51B-9	L-EXTERIOR	AC	
15				
16				
17				
18				
19				
20				

Inputs: FC, BAS, FA

Abbreviations:
 TC: Timedlock
 AC: Automatic Timedlock
 OS: Occupancy Sensor
 PC: Protocol
 FA: Fire Alarm
 SS: Security System
 BAS: Building Automation System

In NEMA 1 enclosure and
Surface Mounted

Lighting Control Panel
'LCP2B'
Circuit: 4L52B-7

Relay #	Circuit	Description	Control	Notes
1	4L52B-3	L-HALLWAYS	TC OS	
2		SPARE RELAY		
3		SPARE RELAY		
4		SPARE RELAY		
5		UL-924 BARRIER SEPARATING NORMAL AND EMERGENCY RELAYS		
6		SPARE RELAY	TC OS	
7		SPARE RELAY		
8		SPARE RELAY		

Inputs: FC, BAS, FA

Abbreviations:
 TC: Timedlock
 AC: Automatic Timedlock
 OS: Occupancy Sensor
 PC: Protocol
 FA: Fire Alarm
 SS: Security System
 BAS: Building Automation System

In NEMA 1 enclosure and
Surface Mounted

Lighting Control Panel
'LCP3B'
Circuit: 4L53B-7

Relay #	Circuit	Description	Control	Notes
1	4L53B-1	L-HALLWAYS	TC OS	
2		SPARE RELAY		
3		SPARE RELAY		
4		SPARE RELAY		
5		UL-924 BARRIER SEPARATING NORMAL AND EMERGENCY RELAYS		
6	4L53B-2	L-HALLWAYS	TC OS	
7		SPARE RELAY		
8		SPARE RELAY		

Inputs: FC, BAS, FA

Abbreviations:
 TC: Timedlock
 AC: Automatic Timedlock
 OS: Occupancy Sensor
 PC: Protocol
 FA: Fire Alarm
 SS: Security System
 BAS: Building Automation System

In NEMA 1 enclosure and
Surface Mounted

Lighting Control Panel
'LCP1D'
Circuit: 4L51D-16

Relay #	Circuit	Description	Control	Notes
1	4L51D-1	L-HALLWAYS	TC OS	
2	4L51D-5	L-LOBBY	TC, FC	
3	4L51D-7	L-EXTERIOR	AC	
4	4L51D-8	L-EXTERIOR	AC	
5	4L51D-6	L-EXTERIOR	AC	
6		SPARE RELAY		
7		SPARE RELAY		
8				
9				
10				
11	4L51D-13	L-HALLWAYS	TC OS	
12	4L51D-15	L-LOBBY	TC, FC	
13	4L51D-17	L-EXTERIOR	AC	
14		SPARE RELAY		
15		SPARE RELAY		
16		SPARE RELAY		

Inputs: TC, BAS, FA

Abbreviations:
 TC: Timedlock
 AC: Automatic Timedlock
 OS: Occupancy Sensor
 PC: Protocol
 FA: Fire Alarm
 SS: Security System
 BAS: Building Automation System

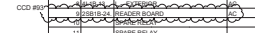
In NEMA 1 enclosure and
Surface Mounted

Lighting Control Panel
'LCP2D'
Circuit: 4L52D-7

Relay #	Circuit	Description	Control	Notes
1	4L52D-1	L-HALLWAYS	TC OS	
2		SPARE RELAY		
3		SPARE RELAY		
4		SPARE RELAY		
5		UL-924 BARRIER SEPARATING NORMAL AND EMERGENCY RELAYS		
6	4L52D-2	L-HALLWAYS	TC OS	
7		SPARE RELAY		
8		SPARE RELAY		

Inputs: FC, BAS, FA

Abbreviations:
 TC: Timedlock
 AC: Automatic Timedlock
 OS: Occupancy Sensor
 PC: Protocol
 FA: Fire Alarm
 SS: Security System
 BAS: Building Automation System



MILWAUKIE HIGH SCHOOL

NORTH CLACKAMAS SCHOOL DISTRICT
 2301 SE Willard Street, Milwaukie, OR 97222
 t: (503) 353-8800
 f: (503) 353-8966

key plan

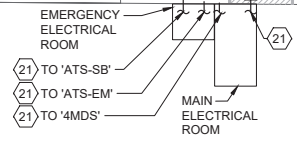
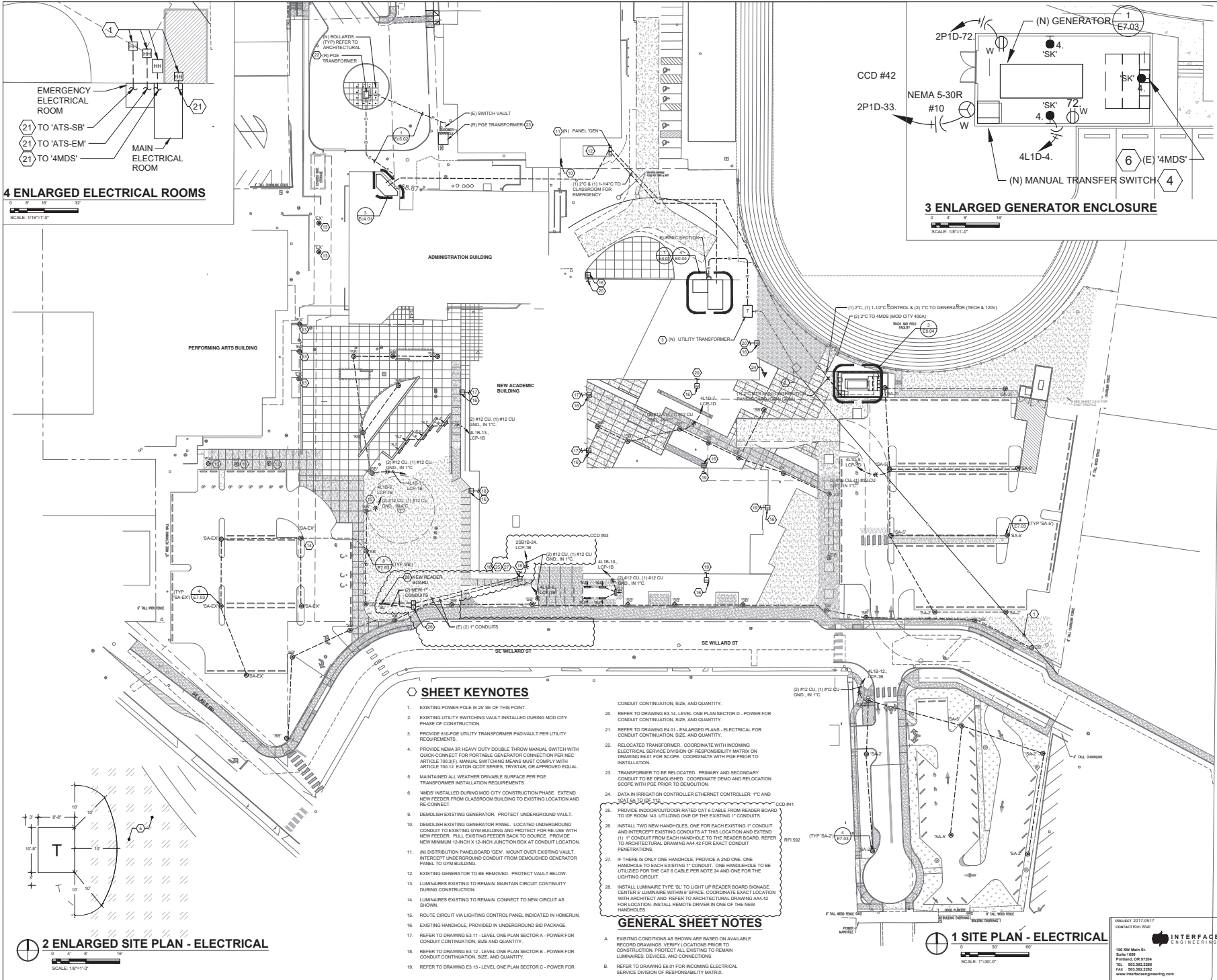
revisions	
ADD-02	08/31/2018
CCD #93	12/15/2021

phase	RECORD SET
date	05/21/2021
project	17010
	LIGHTING SCHEDULES

PROJECT: 2017-0517
 CONTACT: Kevin Wall

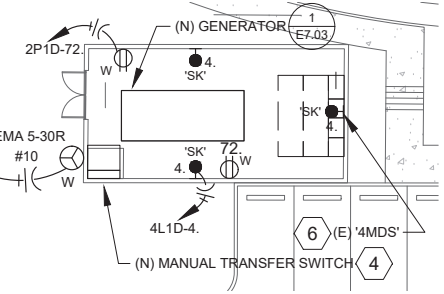
INTERFACE
 ENGINEERING

100 SW Main St.
 Suite 1000
 Portland, OR 97204
 Tel: 503.382.2566
 Fax: 503.382.2282
 www.interfaceengineering.com



4 ENLARGED ELECTRICAL ROOMS

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



3 ENLARGED GENERATOR ENCLOSURE

SCALE: 1/8"=1'-0"

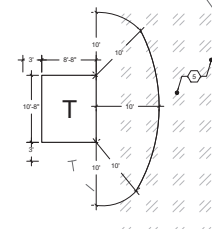
SHEET KEYNOTES

- EXISTING POWER POLE IS 2' SE OF THIS POINT.
- EXISTING UTILITY SWITCHING VAULT INSTALLED DURING MOD CITY PHASE OF CONSTRUCTION.
- PROVIDE 816-PGE UTILITY TRANSFORMER PAD VAULT PER UTILITY REQUIREMENTS.
- PROVIDE NEMA 3R HEAVY DUTY DOUBLE THROW MANUAL SWITCH WITH QUICK-CONNECT FOR PORTABLE GENERATOR CONNECTION PER NEC ARTICLE 250.30F. MANUAL SWITCH MEANS MUST COMPLY WITH ARTICLE 700.12. EATON QGGT SERIES, TRYSTAR, OR APPROVED EQUAL.
- MAINTAINED ALL WEATHER DRIVABLE SURFACE PER PGE TRANSFORMER INSTALLATION REQUIREMENTS.
- '4MDS' INSTALLED DURING MOD CITY CONSTRUCTION PHASE. EXTEND NEW FEEDER FROM CLASSROOM BUILDING TO EXISTING LOCATION AND RE-CONNECT.
- DEMOLISH EXISTING GENERATOR. PROTECT UNDERGROUND VAULT.
- DEMOLISH EXISTING GENERATOR PANEL. LOCATED UNDERGROUND CONDUIT TO EXISTING OVM BUILDING AND PROTECT FOR RE-USE WITH NEW FEEDER. PULL EXISTING FEEDER BACK TO SOURCE. PROVIDE NEW MINIMUM 12-INCH X 12-INCH JUNCTION BOX AT CONDUIT LOCATION.
- (N) DISTRIBUTION PANELBOARD 'GEN' MOUNT OVER EXISTING VAULT. INTERSECT UNDERGROUND CONDUIT FROM DEMOLISHED GENERATOR PANEL TO OVM BUILDING.
- EXISTING GENERATOR TO BE REMOVED. PROTECT VAULT BELOW.
- LUMINAIRES EXISTING TO REMAIN. MAINTAIN CIRCUIT CONTINUITY DURING CONSTRUCTION.
- LUMINAIRES EXISTING TO REMAIN. CONNECT TO NEW CIRCUIT AS SHOWN.
- ROUTE CIRCUIT VIA LIGHTING CONTROL PANEL INDICATED IN HOMERUN.
- EXISTING HANDHOLE, PROVIDED IN UNDERGROUND BID PACKAGE.
- REFER TO DRAWING E3-11 - LEVEL ONE PLAN SECTOR A - POWER FOR CONDUIT CONTINUATION, SIZE AND QUANTITY.
- REFER TO DRAWING E3-12 - LEVEL ONE PLAN SECTOR B - POWER FOR CONDUIT CONTINUATION, SIZE AND QUANTITY.
- REFER TO DRAWING E3-13 - LEVEL ONE PLAN SECTOR C - POWER FOR

- CONDUIT CONTINUATION, SIZE AND QUANTITY.
- REFER TO DRAWING E3-14 - LEVEL ONE PLAN SECTOR D - POWER FOR CONDUIT CONTINUATION, SIZE AND QUANTITY.
- REFER TO DRAWING E4-01 - ENLARGED PLANS - ELECTRICAL FOR CONDUIT CONTINUATION, SIZE AND QUANTITY.
- RELOCATED TRANSFORMER. COORDINATE WITH INCOMING ELECTRICAL SERVICE DIVISION OF RESPONSIBILITY MATRIX ON DRAWING E6-01 FOR SCOPE. COORDINATE WITH PGE PRIOR TO INSTALLATION.
- TRANSFORMER TO BE RELOCATED. PRIMARY AND SECONDARY CONDUIT TO BE DEMOLISHED. COORDINATE DEMO AND RELOCATION SCOPE WITH PGE PRIOR TO DEMOLITION.
- DATA IN BRIGATION CONTROLLER ETHERNET CONTROLLER; '1C' AND '1C1' SA TO '1C-13'.
- PROVIDE INDOOR/OUTDOOR RATED CAT 6 CABLE FROM READER BOARD TO OVP ROOM 143 UTILIZING ONE OF THE EXISTING '1' CONDUITS.
- INSTALL TWO NEW HANDHOLES, ONE FOR EACH EXISTING '1' CONDUIT AND INTERCEPT EXISTING CONDUITS AT THIS LOCATION AND EXTEND '1' CONDUIT FROM EACH HANDHOLE TO THE READER BOARD. REFER TO ARCHITECTURAL DRAWING A44-42 FOR EXACT CONDUIT PENETRATIONS.
- IF THERE IS ONLY ONE HANDHOLE, PROVIDE A 2ND ONE. ONE HANDHOLE TO EACH EXISTING '1' CONDUIT. ONE HANDHOLE TO BE UTILIZED FOR THE CAT 6 CABLE PER NOTE 24 AND ONE FOR THE LIGHTING CIRCUIT.
- INSTALL LUMINAIRE TYPE 'SL' TO LIGHT UP READER BOARD SIGNAGE. CENTER 5' LUMINAIRE WITHIN 6' SPACE. COORDINATE EXACT LOCATION WITH ARCHITECT AND REFER TO ARCHITECTURAL DRAWING A44-42 FOR LOCATION. INSTALL REMOTE DRIVER IN ONE OF THE NEW HANDHOLES.

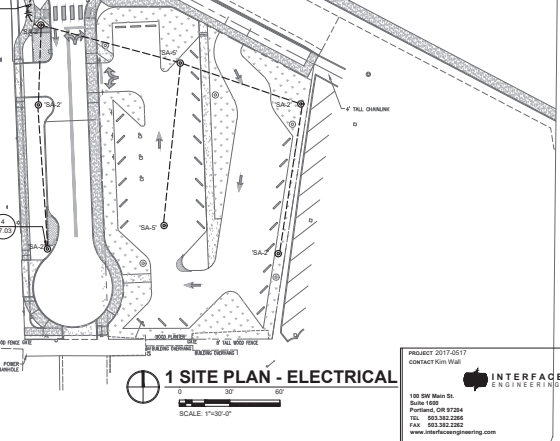
GENERAL SHEET NOTES

- EXISTING CONDITIONS AS SHOWN ARE BASED ON AVAILABLE RECORD DRAWINGS. VERIFY LOCATIONS PRIOR TO CONSTRUCTION. PROTECT ALL EXISTING TO REMAIN LUMINAIRES, DEVICES, AND CONNECTIONS.
- REFER TO DRAWING E6-01 FOR INCORPORATE ELECTRICAL SERVICE DIVISION OF RESPONSIBILITY MATRIX.



2 ENLARGED SITE PLAN - ELECTRICAL

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



1 SITE PLAN - ELECTRICAL

SCALE: 1/320'-0"



key plan

revisions	
ADD 2	08/31/2018
CRS #02	02/05/2019
CRS #02	06/07/2019
CCD #42	04/17/2020
CCD #59	12/15/2021

phase	RECORD SET
date	05/21/2021
project	17010
	SITE PLAN - ELECTRICAL

PROJECT 2017-0517
CONTACT Kin Wall
INTERFACE
ENGINEERS
109 SW Main St.
Suite 1400
Portland, OR 97204
Tel: 503.382.2264
Fax: 503.382.2282
www.interfaceengineering.com

2/22/2018 12:32:31 PM C:\Users\brinnal\Documents\Revit User Files\16056 MH16 Revit Model_MEP_Central\05_brianna.rvt



EXPIRES 12/31/22



MILWAUKIE HIGH SCHOOL
NORTH CLACKAMAS SCHOOL DISTRICT
2301 SE Villard Street, Milwaukie, OR 97222
T: (503) 553-9506

key plan

revisions	date
ADD-01	08/22/2018
ADD-03	11/26/2018
PR-03	11/26/2018
PR-06	02/06/2019
PR-07	03/20/2019
CCD 001	11/20/2019
1000020	10/09/20
CCD 003	12/15/2021

phase RECORD SET

date 05/12/2021

project 17010
PANEL SCHEDULES - ELECTRICAL



E6.02

Panel '2SB1B'
12000V, 3 Ph., 4 W., 100A Bus with 50A Main Circuit Breaker Surface Mounted Panelboard with an Available Fault Current of 80KA RMS

Qty	Description / Location	Load (VA/Type)	C.B. Affix	Note	Ph.	Note	C.B. Load (Amps)	Description / Location	Qty
1	R - R-MDF 118	360 G	2011	A	2011		360 G	R - R-MDF 118	2
3	R - R-MDF 118	360 G	2011	B	2011		360 G	R - R-MDF 118	4
3	R - R-MDF 143	360 G	2011	C	2011		360 G	R - R-MDF 143	4
4	R - R-MDF 143	360 G	2011	B	2011		360 G	R - R-MDF 143	4
7	R - R-MDF 341	360 G	2011	A	2011		360 G	R - R-MDF 341	8
8	R - R-MDF 341	360 G	2011	B	2011		360 G	R - R-MDF 341	8
1	R - R-MDF 342	360 G	2011	C	2011		360 G	R - R-MDF 342	1
1	R - R-MDF 342	360 G	2011	B	2011		360 G	R - R-MDF 342	1
1	R - R-MDF 343	360 G	2011	C	2011		360 G	R - R-MDF 343	1
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1	R - R-MDF 344	360 G	2011	C	2011		360 G	R - R-MDF 344	1
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1	R - R-MDF 346	360 G	2011	B	2011		360 G	R - R-MDF 346	1
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1	R - R-MDF 349	360 G	2011	C	2011		360 G	R - R-MDF 349	1
1	R - R-MDF 349	360 G	2011	B	2011		360 G	R - R-MDF 349	1
1	R - R-MDF 350	360 G	2011	C	2011		360 G	R - R-MDF 350	1
1	R - R-MDF 350	360 G	2011	B	2011		360 G	R - R-MDF 350	1
1	R - R-MDF 351	360 G	2011	C	2011		360 G	R - R-MDF 351	1
1	R - R-MDF 351	360 G	2011	B	2011		360 G	R - R-MDF 351	1
1	R - R-MDF 352	360 G	2011	C	2011		360 G	R - R-MDF 352	1
1	R - R-MDF 352	360 G	2011	B	2011		360 G	R - R-MDF 352	1
1	R - R-MDF 353	360 G	2011	C	2011		360 G	R - R-MDF 353	1
1	R - R-MDF 353	360 G	2011	B	2011		360 G	R - R-MDF 353	1
1	R - R-MDF 354	360 G	2011	C	2011		360 G	R - R-MDF 354	1
1	R - R-MDF 354	360 G	2011	B	2011		360 G	R - R-MDF 354	1
1	R - R-MDF 355	360 G	2011	C	2011		360 G	R - R-MDF 355	1
1	R - R-MDF 355	360 G	2011	B	2011		360 G	R - R-MDF 355	1
1	R - R-MDF 356	360 G	2011	C	2011		360 G	R - R-MDF 356	1
1	R - R-MDF 356	360 G	2011	B	2011		360 G	R - R-MDF 356	1
1	R - R-MDF 357	360 G	2011	C	2011		360 G	R - R-MDF 357	1
1	R - R-MDF 357	360 G	2011	B	2011		360 G	R - R-MDF 357	1
1	R - R-MDF 358	360 G	2011	C	2011		360 G	R - R-MDF 358	1
1	R - R-MDF 358	360 G	2011	B	2011		360 G	R - R-MDF 358	1
1	R - R-MDF 359	360 G	2011	C	2011		360 G	R - R-MDF 359	1
1	R - R-MDF 359	360 G	2011	B	2011		360 G	R - R-MDF 359	1
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1	R - R-MDF 360	360 G	2011	B	2011		360 G	R - R-MDF 360	1
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1	R - R-MDF 361	360 G	2011	B	2011		360 G	R - R-MDF 361	1
1	R - R-MDF 362	360 G	2011	C	2011		360 G	R - R-MDF 362	1
1	R - R-MDF 362	360 G	2011	B	2011		360 G	R - R-MDF 362	1
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1	R - R-MDF 363	360 G	2011	B	2011		360 G	R - R-MDF 363	1
1	R - R-MDF 364	360 G	2011	C	2011		360 G	R - R-MDF 364	1
1	R - R-MDF 364	360 G	2011	B	2011		360 G	R - R-MDF 364	1
1	R - R-MDF 365	360 G	2011	C	2011		360 G	R - R-MDF 365	1
1	R - R-MDF 365	360 G	2011	B	2011		360 G	R - R-MDF 365	1
1	R - R-MDF 366	360 G	2011	C	2011		360 G	R - R-MDF 366	1
1	R - R-MDF 366	360 G	2011	B	2011		360 G	R - R-MDF 366	1
1	R - R-MDF 367	360 G	2011	C	2011		360 G	R - R-MDF 367	1
1	R - R-MDF 367	360 G	2011	B	2011		360 G	R - R-MDF 367	1
1	R - R-MDF 368	360 G	2011	C	2011		360 G	R - R-MDF 368	1
1	R - R-MDF 368	360 G	2011	B	2011		360 G	R - R-MDF 368	1
1	R - R-MDF 369	360 G	2011	C	2011		360 G	R - R-MDF 369	1
1	R - R-MDF 369	360 G	2011	B	2011		360 G	R - R-MDF 369	1
1	R - R-MDF 370	360 G	2011	C	2011		360 G	R - R-MDF 370	1
1	R - R-MDF 370	360 G	2011	B	2011		360 G	R - R-MDF 370	1
1	R - R-MDF 371	360 G	2011	C	2011		360 G	R - R-MDF 371	1
1	R - R-MDF 371	360 G	2011	B	2011		360 G	R - R-MDF 371	1
1	R - R-MDF 372	360 G	2011	C	2011		360 G	R - R-MDF 372	1
1	R - R-MDF 372	360 G	2011	B	2011		360 G	R - R-MDF 372	1
1	R - R-MDF 373	360 G	2011	C	2011		360 G	R - R-MDF 373	1
1	R - R-MDF 373	360 G	2011	B	2011		360 G	R - R-MDF 373	1
1	R - R-MDF 374	360 G	2011	C	2011		360 G	R - R-MDF 374	1
1	R - R-MDF 374	360 G	2011	B	2011		360 G	R - R-MDF 374	1
1	R - R-MDF 375	360 G	2011	C	2011		360 G	R - R-MDF 375	1
1	R - R-MDF 375	360 G	2011	B	2011		360 G	R - R-MDF 375	1
1	R - R-MDF 376	360 G	2011	C	2011		360 G	R - R-MDF 376	1
1	R - R-MDF 376	360 G	2011	B	2011		360 G	R - R-MDF 376	1
1	R - R-MDF 377	360 G	2011	C	2011		360 G	R - R-MDF 377	1
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1	R - R-MDF 378	360 G	2011	C	2011		360 G	R - R-MDF 378	1
1	R - R-MDF 378	360 G	2011	B	2011		360 G	R - R-MDF 378	1
1	R - R-MDF 379	360 G	2011	C	2011		360 G	R - R-MDF 379	1
1	R - R-MDF 379	360 G	2011	B	2011		360 G	R - R-MDF 379	1
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1	R - R-MDF 380	360 G	2011	B	2011		360 G	R - R-MDF 380	1
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1	R - R-MDF 384	360 G	2011	C	2011		360 G	R - R-MDF 384	1
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1	R - R-MDF 387	360 G	2011	C	2011		360 G	R - R-MDF 387	1
1	R - R-MDF 387	360 G	2011	B	2011		360 G	R - R-MDF 387	1
1	R - R-MDF 388	360 G	2011	C	2011		360 G	R - R-MDF 388	1
1	R - R-MDF 388	360 G	2011	B	2011		360 G	R - R-MDF 388	1
1	R - R-MDF 389	360 G	2011	C	2011		360 G	R - R-MDF 389	1
1	R - R-MDF 389	360 G	2011	B	2011		360 G	R - R-MDF 389	1
1	R - R-MDF 390	360 G	2011	C	2011		360 G	R - R-MDF 390	1
1	R - R-MDF 390	360 G	2011	B	2011		360 G	R - R-MDF 390	1
1	R - R-MDF 391	360 G	2011	C	2011		360 G	R - R-MDF 391	1
1	R - R-MDF 391	360 G	2011	B	2011		360 G	R - R-MDF 391	1
1	R - R-MDF 392	360 G	2011	C	2011		360 G	R - R-MDF 392	1
1	R - R-MDF 392	360 G	2011	B	2011		360 G	R - R-MDF 392	1
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1	R - R-MDF 394	360 G	2011	C	2011		360 G	R - R-MDF 394	1
1	R - R-MDF 394	360 G	2011	B	2011		360 G	R - R-MDF 394	1
1	R - R-MDF 395	360 G	2011	C	2011		360 G	R - R-MDF 395	1
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1	R - R-MDF 397	360 G	2011	C	2011		360 G	R - R-MDF 397	1
1	R - R-MDF 397	360 G	2011	B	2011		360 G	R - R-MDF 397	1
1	R - R-MDF 398	360 G	2011	C	2011		360 G	R - R-MDF 398	1
1	R - R-MDF 398	360 G	2011	B	2011		360 G	R - R-MDF 398	1
1	R - R-MDF 399	360 G	2011	C	2011		360 G	R - R-MDF 399	1
1	R - R-MDF 399	360 G	2011	B	2011		360 G	R - R-MDF 399	1
1	R - R-MDF 400	360 G	2011	C	2011		360 G	R - R-MDF 400	1
1	R - R-MDF 400	360 G	2011	B	2011		360 G	R - R-MDF 400	1
1	R - R-MDF 401	360 G	2011	C	2011		360 G	R - R-MDF 401	1
1	R - R-MDF 401	360 G	2011	B	2011		360 G	R - R-MDF 401	1
1	R - R-MDF 402	360 G	2011	C	2011		360 G	R - R-MDF 402	1
1	R - R-MDF 402	360 G							

archiline



Archiline is a linear outdoor light offering a high level of luminosity and flexibility. This extremely wide and competitive range is the result of many years' research. Each item is precision engineered using top-quality materials, and each Archiline family offers a range of outputs, with dedicated narrow, wide, elliptical and asymmetric wallwasher beams and optical compartments designed to ensure a uniquely pure beam, easy to plug connectors for simpler installation, various dimming protocols, a choice of monochrome warm and natural white or RGBW, with the colors being mixed in the optic.

Recessed model materials

Anodized 6060 aluminum alloy or AISI 316L stainless steel flange
Extra-clear tempered glass or white ceramic varnished tempered glass diffuser

Wall/ceiling model materials

Anodized 6060 aluminum alloy or AISI 316L stainless steel body
Extra-clear tempered glass diffuser



Archiline_A



Archiline_I



	_A	_A Darklight	_I	_I Darklight
14.6 in	13.2 W	12 W	-	-
14.8 in	-	-	13 W	12 W
22.1 in	20 W	20 W	-	-
22.2 in	-	-	20 W	20 W
41.4 in	40 W	40 W	-	-
41.9 in	-	-	40 W	40 W
Finish	■	■	■	■
powerLED	2700K 3000K 3500K 4000K RGB+W RGB+N	2700K 3000K 3500K 4000K	2700K 3000K 3500K 4000K RGB+W RGB+N	2700K 3000K 3500K 4000K
Optics	Narrow S. Spot Medium Fl. Flood Elliptical Asymmetric	Spot Medium Fl. Flood Elliptical	Narrow S. Spot Medium Fl. Flood Elliptical Asymmetric	Spot Medium Fl. Flood Elliptical
Driver	120/277VAC On/Off, 0-10V, DMX	120/277VAC On/Off, 0-10V	120/277VAC On/Off, 0-10V, DMX	120/277VAC On/Off, 0-10V
Fixture	Aluminum Flange	Aluminum Flange/Draklight Louver	Stainless Steel Flange	Stainless Steel Flange/ Draklight Louver
Continuous runs	Not recommended	Not recommended	Not recommended	Not recommended

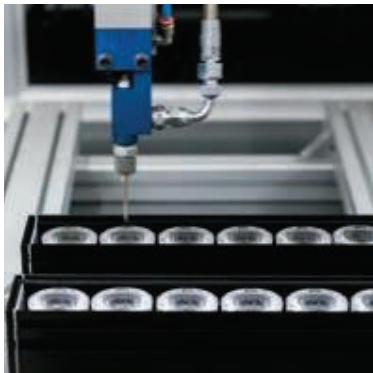
MHS CCD-93
12.15.2021

High-quality construction

Archiline bodies are made from extruded 6060 aluminum alloy Anodized to 10 microns.

These two processes provide superior passive heat dissipation and, most importantly, higher corrosion resistance.

The caps are diecast.



Safety systems

We have developed a variety of corrosion protection technology to maximize the lifespan of our lights.

They also have overtension and electrical discharge protection, TCS® to shield their circuits from moisture, and AquaStop® water protection.



The range

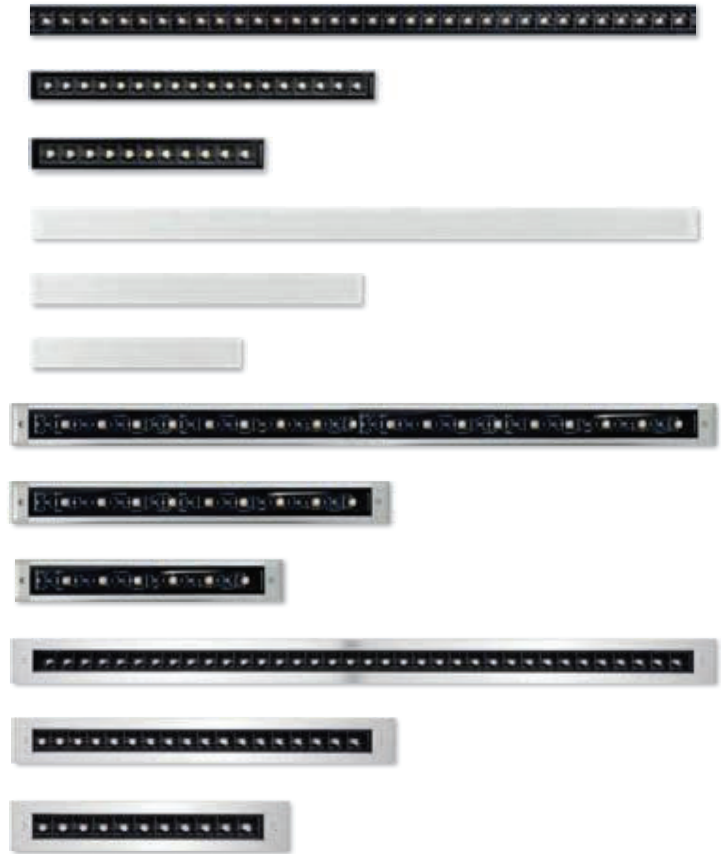
The Archiline range comprises four subranges of recessed mountings.

- ARCHILINE_F: trimless with extra-clear 0.5-inch tempered glass and black-screenprinted optical compartment, with or without darklight or in RGBW. Designed for wall illumination, and can be placed in continuous runs.

- ARCHILINE_FL: trimless with extra-clear 0.5-inch tempered glass and white ceramic varnish, monochrome or RGBW versions. Designed for path marking in parks, squares, drives, and public spaces. Can be placed in continuous runs.

- ARCHILINE_A: 6060 aluminum alloy flange with extra-clear 0.5-inch tempered glass and black-screenprinted optical compartment, with or without darklight or in darklight+RGBW. Designed for wall illumination. Not recommended for continuous runs.

- ARCHILINE_I: AISI 316L stainless steel flange with extra-clear 0.5-inch tempered glass and black-screenprinted optical compartment, with or without darklight or in darklight+RGBW. Designed for wall illumination. Not recommended for continuous runs.



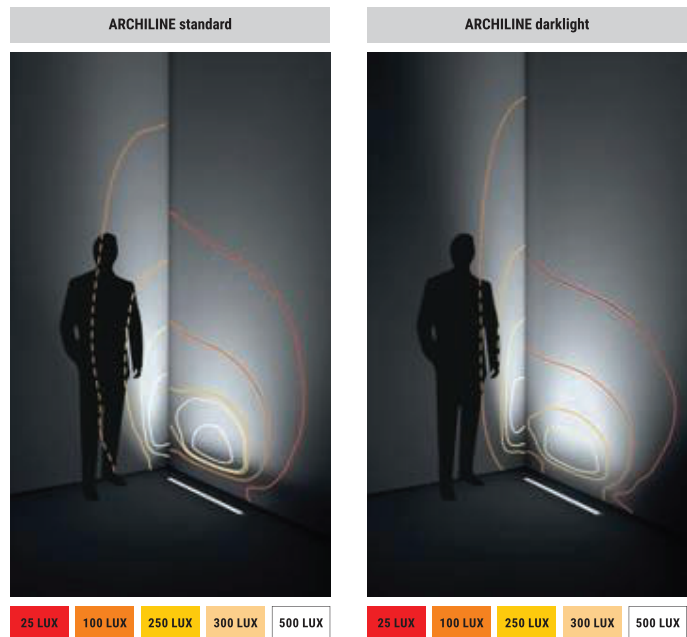
Optics

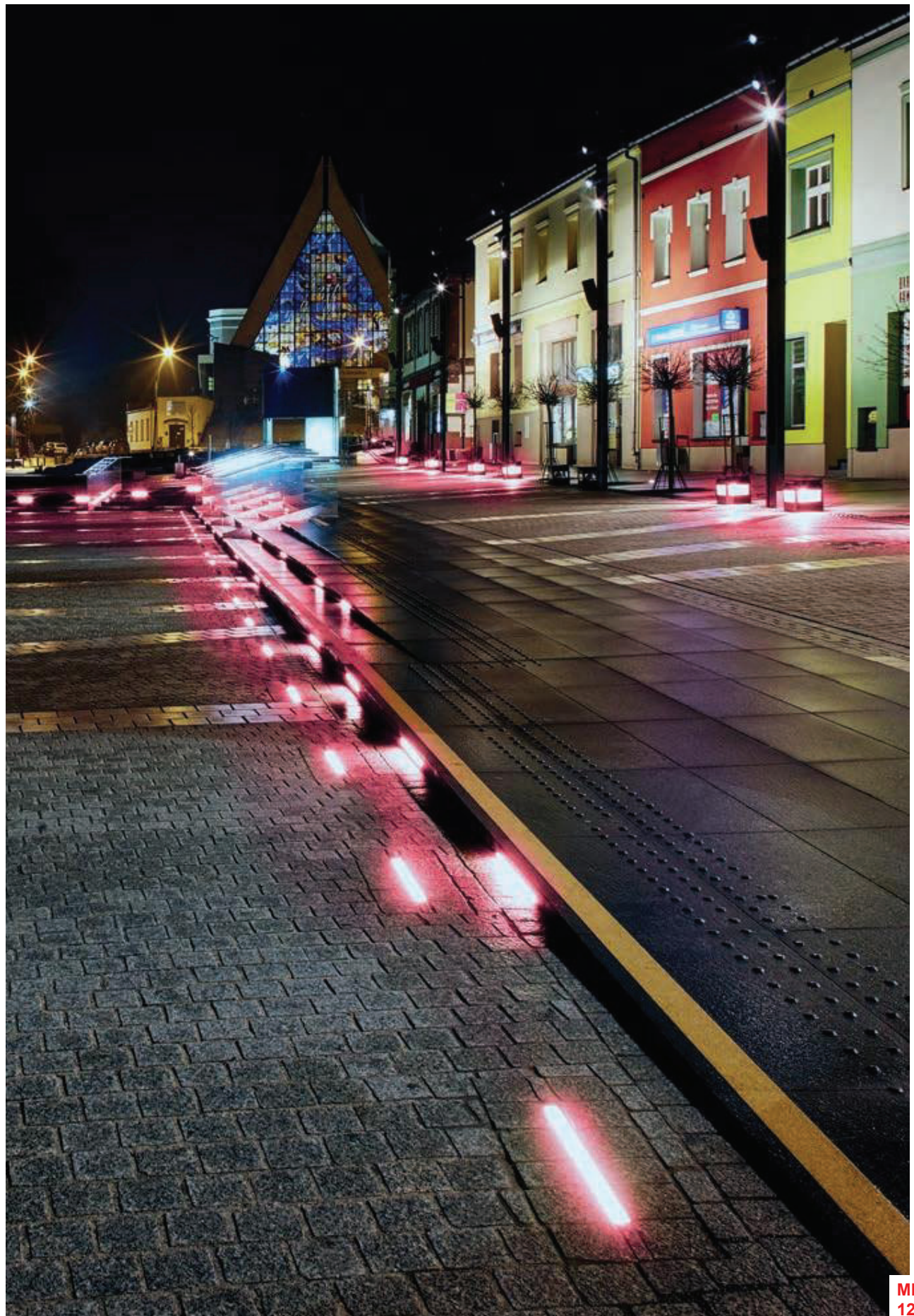
The Archiline range has optics for every type of design need.

- SPOT and NARROW SPOT for accent lighting
- FLOOD and MEDIUM FLOOD for soft lighting of parts of walls
- ELLIPTIC 20 x50 , which projects an oval beam, ideal for grazing illumination of high and narrow walls
- ASYMMETRIC for a wallwasher effect.

Other features:

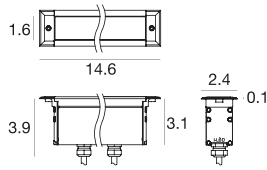
- Darklight versions, which section the beam by eliminating the direct component to the exterior and lighting only the wall
- Ability to create continuous lines without affecting the evenness of the light near the ends of each module. In the Archiline_F no-darklight versions, the diodes are arranged so as to maintain the same distance between each one, and between the last ones at each end.





MHS CCD-93
12.15.2021

Archiline_A | Linear profiles | 120-277V | powerLED | Wet location IP67 | Integral Driver | Walk over | 11.5W/ft



13W

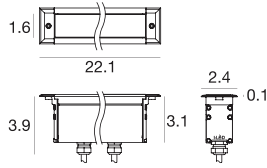
Anod. Al.	On/Off	E92132	2700K	1686 lm	M	Narrow Spot	08
Anod. Al.	0-10V	E83536	3000K	1686 lm	W	Spot	15
6 LEDs			3500K	1686 lm	T	Medium Flood	30
			4000K	1806 lm	N	Flood	60

Installation accessories



E98671

Outer casing



20W

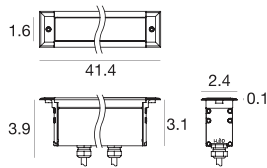
Anod. Al.	On/Off	E92134	2700K	2529 lm	M	Narrow Spot	08
Anod. Al.	0-10V	E83537	3000K	2529 lm	W	Spot	15
9 LEDs			3500K	2529 lm	T	Medium Flood	30
			4000K	2709 lm	N	Flood	60

Installation accessories



E98672

Outer casing



40W

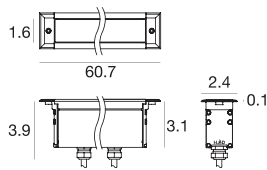
Anod. Al.	On/Off	E92136	2700K	5058 lm	M	Narrow Spot	08
Anod. Al.	0-10V	E83538	3000K	5058 lm	W	Spot	15
18 LEDs			3500K	5058 lm	T	Medium Flood	30
			4000K	5418 lm	N	Flood	60

Installation accessories



E98673

Outer casing



59W

Anod. Al.	On/Off	E81590	2700K	7171 lm	M	Narrow Spot	08
Anod. Al.	0-10V	E83539	3000K	7171 lm	W	Spot	15
27 LEDs			3500K	7171 lm	T	Medium Flood	30
			4000K	7667 lm	N	Flood	60

Installation accessories



E99760

Outer casing

Cables On/Off

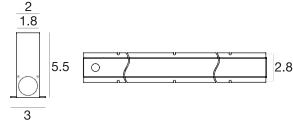
E99057	E98147	E98146
78.7 in power supply cable F 3 pin	196.9 in extension M+F 3 pin	393.7 in extension M+F 3 pin

Cables 0-10V

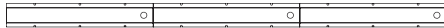
E99826	E99822	E99823	E99824	E99825
39.4 in power supply cable + 0-10V dimming F 5 pin	196.9 in power supply cable + 0-10V dimming F 5 pin	39.4 in extension cable for power + 0-10V dimming M+F 5 pin	196.9 in extension cable for power + 0-10V dimming M+F 5 pin	393.7 in extension cable for power + 0-10V dimming M+F 5 pin

technical information

Archiline_F / _FL | Outer casing for trimless luminaires for floor-mounted recessed installation



Anod. Bk.	12.7 in x Archiline_F / _FL	E98724
Anod. Bk.	20.2 in x Archiline_F / _FL	E98725
Anod. Bk.	39.5 in x Archiline_F / _FL	E98726



These outer casings allow to create a continuous run

Anodization

Anodization is carried out in electrochemically controlled conditions, and creates a layer of oxide on the surface of the aluminum. This has excellent levels of adherence, compactness, hardness, and corrosion resistance.

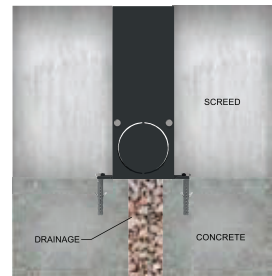
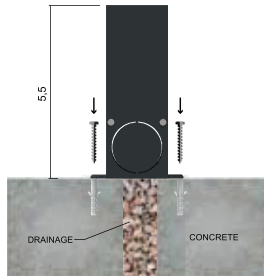
Drive-over capability

The housings of the Archiline_F and FL versions have tempered glass, 0.47-inch ceramic powder coating, and will support a weight of up to five tonnes.

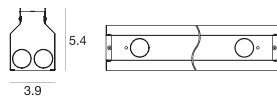
Installation accessories



E98957
The tool you need to extract Archiline from the Outer casing.



Archiline_A / _I | Outer casing for luminaires with trim, for floor-mounted recessed installation



Anod. Bk.	14in x Archiline_A / _I	E98671
Anod. Bk.	21.5 in x Archiline_A / _I	E98672
Anod. Bk.	40.8 in x Archiline_A / _I	E98673
Anod. Bk.	60.1 in x Archiline_A / _I	E99760



Galvanization

The housings of the Archiline_A and I versions are galvanized for improved corrosion resistance and durability.

Drive-over capability

The flange of the Archiline_A is integrated into the extrusion, forming a more durable single unit that can support a weight of up to 1.5 tons.

