



CITY OF MILWAUKIE

AGENDA

March 8, 2022

PLANNING COMMISSION

milwaukieoregon.gov

Hybrid Meeting Format: the Planning Commission will hold this meeting both in person at City Hall and through Zoom video. The public is invited to watch the meeting in person at City Hall, online through the City of Milwaukie YouTube page (https://www.youtube.com/channel/UCRFbfqe3OnDWLQKSB_m9cAw), or on Comcast Channel 30 within city limits.

If you wish to provide comments, the city encourages written comments via email at planning@milwaukieoregon.gov. Written comments should be submitted before the Planning Commission meeting begins to ensure that they can be provided to the Planning Commissioners ahead of time. To speak during the meeting, visit the meeting webpage (<https://www.milwaukieoregon.gov/bc-pc/planning-commission-91>) and follow the Zoom webinar login instructions.

1.0 Call to Order – Procedural Matters — 6:30 PM

2.0 Information Items

3.0 Audience Participation — This is an opportunity for the public to comment on any item not on the agenda

4.0 Community Involvement Advisory Committee (CIAC)

5.0 Work Session Items

- 5.1 Summary: Housing Capacity Technical Committee
Staff: Planning Manager Laura Weigel

6.0 Hearing Items

- 6.1 MHS Reader Board Sign at 2301 SE Willard St
Summary: Replace existing monument sign with new monument sign that includes both a static sign and an electronic reader board sign.
Applicant: North Clackamas School District
Address: 2301 SE Willard St
File: CSU-2021-005
Staff: Senior Planner Brett Kever

7.0 Planning Department Other Business/Updates

8.0 Planning Commission Committee Updates and Discussion Items — This is an opportunity for comment or discussion for items not on the agenda.

9.0 Forecast for Future Meetings

- | | | |
|----------------|---------------|---|
| March 22, 2022 | Hearing Item: | R-2021-004, 8-lot Subdivision Replat at 10586 & 10610 SE Home Ave |
| | Hearing Item: | VR-2022-001, Setback Variance at 2807 SE Sherrett St |
| April 12, 2022 | Hearing Item: | Senate Bill 458 Code Amendments |
| | Hearing Item: | VR-2021-012, 9285 SE 58 th Dr |

Milwaukie Planning Commission Statement

The Planning Commission serves as an advisory body to, and a resource for, the City Council in land use matters. In this capacity, the mission of the Planning Commission is to articulate the Community's values and commitment to socially and environmentally responsible uses of its resources as reflected in the Comprehensive Plan

1. **PROCEDURAL MATTERS.** If you wish to register to provide spoken comment at this meeting or for background information on agenda items please send an email to planning@milwaukieoregon.gov.
2. **PLANNING COMMISSION and CITY COUNCIL MINUTES.** City Council and Planning Commission minutes can be found on the City website at www.milwaukieoregon.gov/meetings.
3. **FORECAST FOR FUTURE MEETINGS.** These items are tentatively scheduled but may be rescheduled prior to the meeting date. Please contact staff with any questions you may have.
4. **TIME LIMIT POLICY.** The Commission intends to end each meeting by 10:00pm. The Planning Commission will pause discussion of agenda items at 9:45pm to discuss whether to continue an agenda item to a future date or finish the item.

Public Hearing Procedure

Those who wish to testify should attend the Zoom meeting posted on the city website, state their name and city of residence for the record, and remain available until the Chairperson has asked if there are any questions from the Commissioners. Speakers are asked to submit their contact information to staff via email so they may establish standing.

1. **STAFF REPORT.** Each hearing starts with a brief review of the staff report by staff. The report lists the criteria for the land use action being considered, as well as a recommended decision with reasons for that recommendation.
2. **CORRESPONDENCE.** Staff will report any verbal or written correspondence that has been received since the Commission was presented with its meeting packet.
3. **APPLICANT'S PRESENTATION.**
4. **PUBLIC TESTIMONY IN SUPPORT.** Testimony from those in favor of the application.
5. **NEUTRAL PUBLIC TESTIMONY.** Comments or questions from interested persons who are neither in favor of nor opposed to the application.
6. **PUBLIC TESTIMONY IN OPPOSITION.** Testimony from those in opposition to the application.
7. **QUESTIONS FROM COMMISSIONERS.** The commission will have the opportunity to ask for clarification from staff, the applicant, or those who have already testified.
8. **REBUTTAL TESTIMONY FROM APPLICANT.** After all public testimony, the commission will take rebuttal testimony from the applicant.
9. **CLOSING OF PUBLIC HEARING.** The Chairperson will close the public portion of the hearing. The Commission will then enter into deliberation. From this point in the hearing the Commission will not receive any additional testimony from the audience but may ask questions of anyone who has testified.
10. **COMMISSION DISCUSSION AND ACTION.** It is the Commission's intention to make a decision this evening on each issue on the agenda. Planning Commission decisions may be appealed to the City Council. If you wish to appeal a decision, please contact the Planning Department for information on the procedures and fees involved.
11. **MEETING CONTINUANCE.** Prior to the close of the first public hearing, any person may request an opportunity to present additional information at another time. If there is such a request, the Planning Commission will either continue the public hearing to a date certain or leave the record open for at least seven days for additional written evidence, argument, or testimony. The Planning Commission may ask the applicant to consider granting an extension of the 120-day time period for making a decision if a delay in making a decision could impact the ability of the City to take final action on the application, including resolution of all local appeals.

Meeting Accessibility Services and Americans with Disabilities Act (ADA) Notice

The city is committed to providing equal access to public meetings. To request listening and mobility assistance services contact the Office of the City Recorder at least 48 hours before the meeting by email at ocr@milwaukieoregon.gov or phone at 503-786-7502. To request Spanish language translation services email espanol@milwaukieoregon.gov at least 48 hours before the meeting. Staff will do their best to respond in a timely manner and to accommodate requests. Most Council meetings are broadcast live on the city's YouTube channel and Comcast Channel 30 in city limits.

Servicios de Accesibilidad para Reuniones y Aviso de la Ley de Estadounidenses con Discapacidades (ADA)

La ciudad se compromete a proporcionar igualdad de acceso a reuniones públicas. Para solicitar servicios de asistencia auditiva y de movilidad, favor de comunicarse a la Oficina del Registro de la Ciudad con un mínimo de 48 horas antes de la reunión por correo electrónico a ocr@milwaukieoregon.gov o llame al 503-786-7502. Para solicitar servicios de traducción al español, envíe un correo electrónico a espanol@milwaukieoregon.gov al menos 48 horas antes de la reunión. El personal hará todo lo posible para responder de manera oportuna y atender las solicitudes. La mayoría de las reuniones del Consejo de la Ciudad se transmiten en vivo en el canal de YouTube de la ciudad y el Canal 30 de Comcast dentro de los límites de la ciudad.

Milwaukie Planning Commission:

Lauren Loosveldt, Chair
Joseph Edge, Vice Chair
Greg Hemer
Robert Massey
Amy Erdt
Adam Khosroabadi
Jacob Sherman

Planning Department Staff:

Laura Weigel, Planning Manager
Vera Kolias, Senior Planner
Brett Kelter, Senior Planner
Adam Heroux, Associate Planner
Ryan Dyar, Assistant Planner
Will First, Administrative Specialist II



CITY OF MILWAUKIE

To: Planning Commission

From: Laura Weigel, Planning Manager

Date: March 1, 2022 for March 8, 2022, Worksession

Subject: Housing Capacity/Production Technical Committee (HCTC)

ACTION REQUESTED

Staff is seeking a volunteer from the Planning Commission to serve as a liaison to the Housing Capacity / Production Technical Committee (HCTC).

BACKGROUND

Statewide Planning Goal 10 details the required components of the Housing Capacity Analysis (HCA), which include an assessment of current and future (20 year) demand for housing units across a range of prices, rent levels, locations, housing types, and densities. The HCA must then compare these needs with the community's 20-year supply of buildable residential land as calculated by its Buildable Lands Inventory (BLI). If the HCA demonstrates that the city does not have adequate land supply to meet the full spectrum of anticipated housing needs, policies and actions to help meet this demand must be adopted in the Housing Production Strategy (HPS). The HPS is a new state requirement adopted in 2019 that is designed to pick-up where the HCA leaves off. The HCA portion of this project is a highly technical exercise that is prescribed through Statewide Planning Goal 10. The HPS is also a technical exercise and outlines a variety of options jurisdictions can explore to meet a jurisdiction's specific needs.

The HPS must outline the specific tools, actions, and policies that the city plans to take to address the housing needs identified in the HCA and the city's plan and timeline for adopting and implementing each strategy. DLCD will review and approve each city's HPS based on the adequacy of strategies to meet all identified housing needs, the appropriateness of strategies to facilitate the production of needed housing, and how well the strategies, taken as a whole, will achieve fair and equitable housing outcomes.

The city has already spent many years developing policies, tools and actions to address the city's housing needs. The [Milwaukie Housing Affordability Strategy](#) (MHAS) identifies three main housing goals along with 31 action items to implement those goals. The city is already in the process of implementing some of the 31 identified actions. The HPS should reconcile the updated HCA with the MHAS and identify any missing actions the city could reasonably undertake to address the housing gap with the identified need. The HPS should not be seen as an entirely new action plan, but as an opportunity to refine the already honed MHAS with new guidance from the state.

Advisory Committee/Involvement Strategy

The HCA and HPS are both highly technical documents that require technical review by people working in the housing field locally and regionally, as well as community members who are versed in the Milwaukie community. Staff recommended the formation of an HCTC for the duration of the project. It is envisioned that this group will be involved with the review of all technical information in the HCA and the strategies considered in the HPS to ensure that public concerns and aspirations are consistently understood and considered throughout the development of each document. The Planning Commission will also review the documents and Council will ultimately be responsible for the adoption of both documents.

The make-up HCTC is outlined below:

- Up to 12 members, plus rotating subject matter experts.
 - One City Council member
 - One Planning Commissioner
 - One Housing Authority of Clackamas County (HACC) representative
 - One DLCD representative
 - One Metro representative
 - One affordable housing developer
 - One local relator
 - One renter
 - One member of the city's Equity Steering Committee (ESC)
 - Three Comprehensive Plan Advisory Committee (CPAC)/Comprehensive Plan Implementation Committee (CPIC) members

Staff will identify subject matter experts who will be asked to join the committee for their specific topics. Subject matter categories include affordable housing, housing development, people with disabilities, houselessness, low-income, and others when appropriate.

The HCTC will be a relatively large committee to ensure different voices are heard on this complex topic. Staff will contact other government/non-profit organizations, CPIC/CPAC, and other potential technical advisors who can fill the roles identified above. An individual may be able to serve multiple roles. For example, a CPIC representative may also be a renter.

It is important for the HCTC to understand its role during this project. Staff consulted the International Association of Public Participation (IAP2) "Spectrum of Public Participation" (see Attachment A) and based the technical nature of the project and the level of work the city has already c staff recommends using the "Consult" level of participation as outlined by IAP2.

Public Participation Goal:

To obtain public feedback on analysis, alternatives and/or decisions.

Promise to the Public:

We will keep you informed, listen to and acknowledge concerns and aspirations, and provide feedback on how public input influenced the decision.

Additional Community Involvement

In addition to the involvement of the HCTC, the city will facilitate additional engagement throughout the project with housing consumers, including direct outreach to individuals through interviews, focus groups, or other means; contacting community-based organizations and service providers to connect with those they serve; and/or hosting events (virtual or in-person). This engagement will prioritize underrepresented communities within the city, including renters, low-income households, Hispanic/Latinx residents, other racial and ethnic minorities and immigrant or refugee communities, veterans, people with disabilities, seniors, agricultural workers, and formerly and currently houseless people. The city will employ a variety of engagement methods including public forms, open houses, virtual open houses, and on-line surveys.

Next Steps

- Project Kick-off with HCTC April 2022

ATTACHMENTS

Attachments are provided as indicated by the checked boxes. All material is available for viewing upon request.

	PC Packet	Public Copies	Packet
1. IAP2 Spectrum of Public Participation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Key:

PC Packet = paper materials provided to Planning Commission 7 days prior to the meeting.

Public Copies = paper copies of the packet available for review at City facilities and at the Planning Commission meeting.

E-Packet = packet materials available online at <https://www.milwaukieoregon.gov/bc-pc/planning-commission-90>.

IAP2 Spectrum of Public Participation

IAP2's Spectrum of Public Participation was designed to assist with the selection of the level of participation that defines the public's role in any public participation process. The Spectrum is used internationally, and it is found in public participation plans around the world.

INCREASING IMPACT ON THE DECISION					
	INFORM	CONSULT	INVOLVE	COLLABORATE	EMPOWER
PUBLIC PARTICIPATION GOAL	To provide the public with balanced and objective information to assist them in understanding the problem, alternatives, opportunities and/or solutions.	To obtain public feedback on analysis, alternatives and/or decisions.	To work directly with the public throughout the process to ensure that public concerns and aspirations are consistently understood and considered.	To partner with the public in each aspect of the decision including the development of alternatives and the identification of the preferred solution.	To place final decision making in the hands of the public.
PROMISE TO THE PUBLIC	We will keep you informed.	We will keep you informed, listen to and acknowledge concerns and aspirations, and provide feedback on how public input influenced the decision.	We will work with you to ensure that your concerns and aspirations are directly reflected in the alternatives developed and provide feedback on how public input influenced the decision.	We will look to you for advice and innovation in formulating solutions and incorporate your advice and recommendations into the decisions to the maximum extent possible.	We will implement what you decide.

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CITY OF MILWAUKIE

To: Planning Commission

Through: Laura Weigel, Planning Manager

From: Brett Kelter, Senior Planner

Date: March 1, 2022, for March 8, 2022, Public Hearing

Subject: **File:** CSU-2021-005
Applicant/Owner: North Clackamas School District
Address: 2301 SE Willard St
Legal Description (Map & Tax Lot): 1S1E36BC05600
NDA: Historic Milwaukie

ACTION REQUESTED

Approve application CSU-2021-005 and adopt the recommended Findings and Conditions of Approval found in Attachments 1 and 2. This action would allow for replacement of an existing monument sign with a new monument sign that includes an electronic reader board display.

BACKGROUND INFORMATION

A. Site and Vicinity

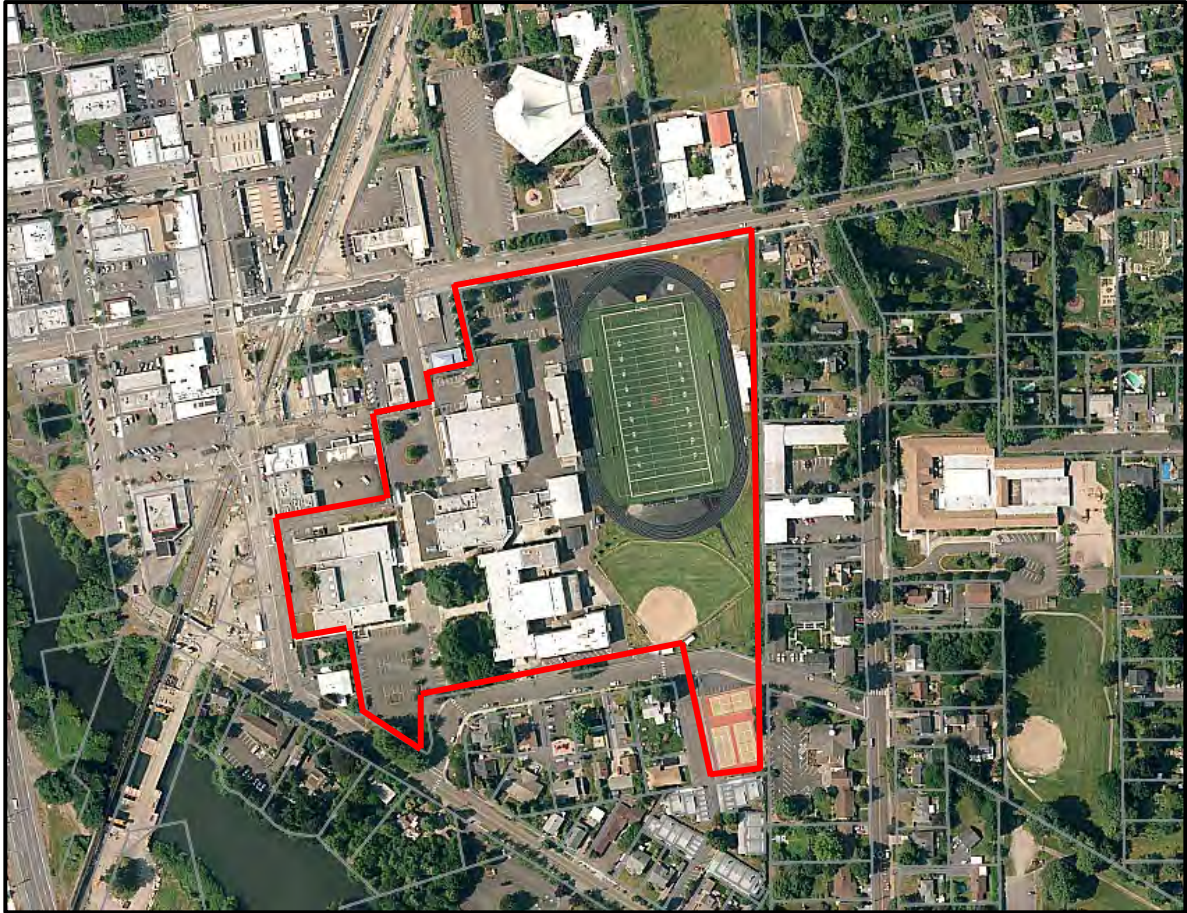
The site, which is located at 2301 SE Willard St, serves as the campus of Milwaukie High School and is approximately 14.7 acres. The site is developed with a main classroom building, commons building, and performing arts center on the southern half of the property, as well as a gymnasium, track and athletic field, and grandstand on the northern half. There are off-street parking lots in the northwest, southwest, and southeast corners of the site.

The site has frontage on multiple public streets— Adams Street, Lake Road, 21st Avenue, 23rd Avenue, 25th Avenue, Washington Street, and Willard Street. Access is provided from driveways on each of those streets except Adams Street and Lake Road.

As shown in Figure 1, the land uses and development adjacent to the site are mixed and include institutional (schools, churches), multifamily residential dwellings (apartments and condominiums), single-family residential and duplex dwellings, and office buildings

(both purpose-built and converted dwellings). The surrounding properties range from small single-family lots to multiple-acre school and church grounds.

Figure 1. Aerial Photo

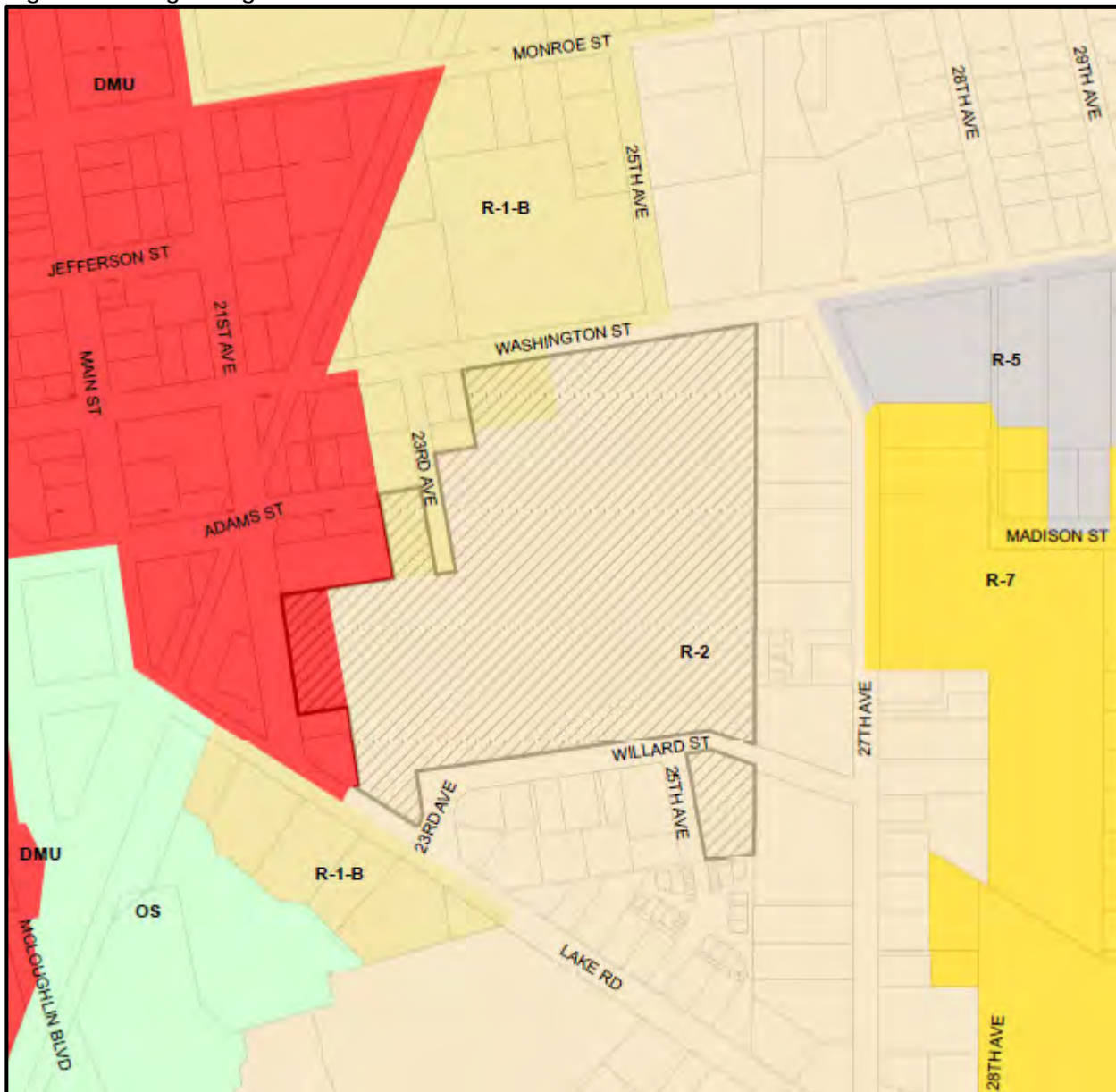


Source: Metro

B. Zoning Designation

The school property is primarily zoned Residential R-2. This district allows medium- and high-density residential development. The northwestern and western portions of the site are zoned Residential-Business Office (R-1-B) and Downtown Mixed-Use (DMU), respectively. Schools are allowed subject to community service use (CSU) approval. East and south of the site are properties also zoned R-2, with properties to the north zoned a combination of R-2 and R-1-B. Properties to the west are zoned DMU. The zoning in the vicinity of the school is shown in Figure 2.

Figure 2. Existing Zoning



Source: City of Milwaukie

C. Comprehensive Plan Designation

The primary land use designation of the site is Public (P), though it also includes small portions designated Town Center (TC), High Density (HD), and Mixed Use (C/HD).

D. Land Use History

- **Original development:** The main classroom building of Milwaukie High School was first constructed in 1925. A grandstand and athletic fields were added in 1938. The gymnasium was rebuilt after a fire destroyed the original in 1963. The fine arts

building was built in 1970-71 when the high school itself was remodeled to meet current fire and safety codes.

- **1986:** Land use file #CSO-86-04, approval of community service overlay for additional off-street parking.
- **1988:** CSO-88-02, approval of temporary modular classrooms.
- **1993:** CSO-93-02, approval to construct a new commons area.
- **1999:** CSO-99-05, approval to remodel the entire school.
- **2006:** CSU-06-05, denial of a community service use application to place a large, freestanding electronic sign on the north side of the athletic track along the school's Washington Street frontage. The decision was appealed to City Council (AP-06-02), which reversed the Planning Commission decision and approved the proposed sign; however, the proposed sign was never built, and the approval expired.
- **2007:** CSU-07-05, approval to significantly upgrade the fine arts building, gymnasium, and athletic fields.
- **2009:** CSU-09-07, a minor modification to allow the replacement and expansion of an equipment shed near the athletic fields.
- **2011:** CSU-11-10, a minor modification to replace the scoreboard at the softball field.
- **December 2017:** CSU-2017-008, a minor modification to allow temporary storage of 33 modular classrooms on the athletic field, in advance of the renovation project approved by CSU-2017-007.
- **February 2018:** HR-2017-002, an Historic Review to delete the Milwaukie High School site from the City's inventory of historic properties. This application was approved by the City Council on February 20, 2018 (Ord. 2159).
- **March 2018:** CSU-2017-007, approval of a major renovation of the school campus, including demolition and replacement of the main classroom building as well as replacement of the softball field (southeast part of campus) with off-street parking.
- **May 2019:** CSU-2019-002, approval to replace the pre-existing tennis courts in the southeast corner of the campus with off-street parking (constructed as part of the larger campus renovation).
- **May 2021:** VR-2021-002, denial of a sign adjustment requested for an electronic reader board sign similar to the one proposed with this application (replacing an existing static monument sign near the southwest parking lot entrance with an electronic display). The decision was appealed to City Council (AP-2021-001), which directed staff to amend the sign code to allow the proposed sign.
- **September 2021:** ZA-2021-003, a sign code amendment to allow electronic reader board signs at public high schools.

E. Proposal

The applicant is seeking land use approval to replace the existing monument sign near the driveway entrance of the off-street parking area at the southwestern corner of the campus with a new monument sign that includes both a static display (approximately 22.5 sq ft) and an electronic display (approximately 17 sq ft). A plan set and narrative description of the proposal are included in the applicant's submittal materials (see Attachment 3).

Signage for conditional uses and community service uses is limited, but the size of the proposed monument sign is approvable with Type III review, as established in Milwaukie Municipal Code (MMC) Subsection 14.08.090.C. The proposed sign requires Type III review and approval of a community service use sign application.

KEY ISSUES

Summary

Staff has identified the following key issue(s) for the Planning Commission's deliberation. Aspects of the proposal not listed below are addressed in the Findings (see Attachment 1) and generally require less analysis and discretion by the Commission.

A. Is the proposed sign appropriate for the surrounding environment?

Analysis

A. Is the proposed sign appropriate for the surrounding environment?

The provisions of MMC Subsection 14.08.090.C establish the standards for community service use (CSU) signs under Type III review. One monument sign is allowed per CSU, up to 20 ft long and up to 12 ft high, with a maximum of 40 sq ft per display surface. The proposed sign is approximately 13.5 ft long and ranges in height from 4 ft to 6 ft above grade due to the sloping topography. The new sign has a total display area of 39.5 sq ft (22.5 sq ft of static display and 17 sq ft of electronic display).

Sign illumination for conditional use and CSU signs is limited to what is allowed in the underlying zone. As of September 2021, there is an exception for public high school CSUs, as MMC Subsection 14.08.090.E allows one electronic display sign (monument or freestanding) as part of a larger sign, with a display area limit of 20 sq ft for the electronic display portion. The proposed sign clearly meets the applicable standards for a Type III CSU sign.

However, Type III review is discretionary, and MMC 14.08.090.C calls for the Planning Commission to consider the proximity of the sign to residences, the functional classification of adjacent streets, and the scale of surrounding development. Although the code does not provide more specific direction about how to evaluate the elements listed, it seems reasonable to assume that a sign would be considered more impactful if more residential units have a clear line of sight and if the adjacent street classification and traffic volumes are

higher. A Type III CSU sign might also seem more impactful in a less densely developed area, or where the surrounding buildings are relatively small or less massive.

The proposed new monument sign would be located at the entrance to the southwestern parking lot on campus, which provides the most direct access to the primary entrance of the main school building. The proposed sign would be across Willard Street from the complex of three-story buildings owned and operated by Northwest Housing Alternatives (NHA), including the NHA office. The sign would be most directly visible from the NHA office building, with a more restricted line of sight to the lone NHA multifamily building that fronts on Willard Street.

Willard Street is classified as a local street, providing access to the NHA parking area as well as to the three school parking lots on the southern half of the campus. The school's Willard Street frontage also serves as a loading area for buses at the beginning and end of the school day. Overall, the street is not unusually busy over the course of the day, but the proposed sign would be highly visible to anyone entering the campus near the main entrance, which is the reason the applicant would like to provide the electronic display. The local street classification of Willard Street means there is a lower volume of traffic that would be impacted by the proposed sign than if it was intended to be visible from Lake Road, which is an arterial (higher volume) street.

Finally, the scale and mass of surrounding development is such that the proposed sign will not dominate or overwhelm the visual environment. The new school building is three stories tall, as are the buildings on the NHA campus across the street. The sign is well under the maximum height allowed for Type III CSU signs and is an appropriately scaled feature for the open space landscaped area where it is proposed.

Staff believes it is appropriate to approve the sign as proposed.

CONCLUSIONS

A. Staff recommendation to the Planning Commission is as follows:

1. Approve the CSU sign application. This will allow replacement of the existing monument sign near the southwest parking lot entrance with a new monument sign that includes both a static and an electronic display.
2. Adopt the attached Findings and Conditions of Approval.

B. Staff recommends the following key conditions of approval (see Attachment 2 for the full list of Conditions of Approval):

- Clarify that the electronic display is the only portion of the approved sign that can be illuminated.

CODE AUTHORITY AND DECISION-MAKING PROCESS

The proposal is subject to the following provisions of the Milwaukie Municipal Code (MMC).

- MMC Section 14.08.090 Conditional and Community Service Use Signs
- MMC Section 14.16.010 Signage for Residential Zones
- MMC Section 14.24.020 Sign Lighting
- MMC Section 19.1006 Type III Review MMC

This application is subject to Type III review, which requires the Planning Commission to consider whether the applicant has demonstrated compliance with the code sections shown above. In Type III reviews, the Commission assesses the application against review criteria and development standards and evaluates testimony and evidence received at the public hearing.

The Commission has four decision-making options as follows:

- A. Approve the application subject to the recommended Findings and Conditions of Approval.
- B. Approve the application with modified Findings and Conditions of Approval. Such modifications need to be read into the record.
- C. Deny the application upon finding that it does not meet approval criteria.
- D. Continue the hearing.

The final decision on these applications, which includes any appeals to the City Council, must be made by May 24, 2022, in accordance with the Oregon Revised Statutes and the Milwaukie Zoning Ordinance. The applicant can waive the time period in which the application must be decided.

COMMENTS

Notice of the proposed changes was given to the following agencies and persons: City of Milwaukie Engineering and Building Departments, Historic Milwaukie Neighborhood District Association (NDA), Clackamas Fire District #1 (CFD), Clackamas County Department of Transportation and Development, Metro, and TriMet. The following is a summary of the responses received by the City (see Attachment 4 for further details):

- **Alex McGladrey, Deputy Fire Marshal, CFD:** No comments.

ATTACHMENTS

Attachments are provided as indicated by the checked boxes. All material is available for viewing upon request.

	Public Copies	E-Packet
1. Recommended Findings in Support of Approval	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Recommended Conditions of Approval	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Applicant's Submittal Materials (received Oct. 5, 2021, unless otherwise noted))		
a. Application Form	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
b. Narrative (revisions received Dec. 22, 2021)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

	Public Copies	E-Packet
c. Graphics and Plan Sheets (revisions received Dec. 22, 2021)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4. Comments Received	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Key:

Public Copies = materials posted online to application website (<https://www.milwaukieoregon.gov/planning/csu-2021-005>).

E-Packet = meeting packet materials available one week before the meeting, posted online at <https://www.milwaukieoregon.gov/bc-pc/planning-commission-91>.

ATTACHMENT 1
Recommended Findings in Support of Approval
File #CSU-2021-005
Electronic Reader Board Sign at Milwaukie High School

Sections of the Milwaukie Municipal Code (MMC) not addressed in these findings are found to be inapplicable to the decision on this application.

1. The applicant, North Clackamas School District, has applied for approval to replace an existing monument sign at the Milwaukie High School campus at 2301 SE Willard St. The subject property is primarily zoned Residential R-2, though a small portion of the Performing Arts Center (southwest portion of campus) is zoned Downtown Mixed Use (DMU) and some of the parking and maneuvering areas at the northwest corner of the campus is zoned Residential-Business Office (R-1-B). The school is an approved community service use (CSU). The land use application file number is CSU-2021-005.
2. The applicant proposes to replace the existing monument sign near the driveway entrance of the off-street parking area at the southwestern corner of the campus with a new monument sign that includes both a static display (approximately 22.5 sq ft) and an electronic display (approximately 17 sq ft). The new sign is approximately 13.5 ft long and ranges in height from approximately 4 ft to 6 ft above grade due to the sloping topography.
3. Signage in residential zones is limited, though the sign code allows signs associated with conditional and community service uses subject to Type I or Type III review depending on the size. The proposal is subject to the following provisions of the Milwaukie Municipal Code (MMC):
 - MMC Section 14.08.090 Conditional and Community Service Use Signs
 - MMC Section 14.16.010 Signage for Residential Zones
 - MMC Section 14.24.020 Sign Lighting
 - MMC Section 19.1006 Type III Review

The application has been processed and public notice provided in accordance with MMC Section 19.1006 Type III Review. A public hearing was held by the Planning Commission on March 8, 2022, as required by law.

4. MMC Section 14.08.090 Conditional and Community Service Use Signs
MMC 14.08.090 establishes that signs for conditional uses and community service uses (CSUs) are limited in general to those allowed in the underlying zone but may be increased as per MMC Table 14.08.090.B (with Type I review) or MMC Table 14.08.090.C (with Type III review). With Type III review, a freestanding CSU sign may be approved with a maximum area of 40 sq ft per display surface, up to 12 ft in overall height, and with a maximum length of 20 ft.

Sign illumination for conditional use and CSU signs is limited to what is allowed in the underlying zone. As per MMC Section 14.16.010, for residential zones, only external illumination is allowed and then only for signs at multifamily developments or at entrances to subdivisions or manufactured home parks. For CSUs that are public high schools, MMC Subsection 14.08.090.E allows one electronic display sign (monument or freestanding) as part of a larger sign, with a display area limit of 20 sq ft for the electronic display portion. The illumination is subject to the standards established for electronic display signs in MMC Subsection 14.24.020.G, including a maximum illumination intensity of 0.3 footcandles over ambient light and a message change rate of no more than once every 10 seconds for electronic sign faces of 20 sq ft or less.

In reviewing an application for a sign to meet the standards of MMC 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.

The subject property is a public high school that was established in 1925 and is a de facto CSU. Several major modifications to the school have been approved in conjunction with various improvements over the years. Most recently, in 2017 a major modification was approved for a significant renovation of the campus, including demolition and replacement of the historic main classroom building (file #CSU-2017-007).

The proposed sign would replace an existing static-display monument sign with a new monument sign that includes both a static display (approximately 22.5 sq ft) and an electronic display (approximately 17 sq ft) on one side of the sign structure. The overall sign structure is approximately 13.5 ft long and ranges in height from approximately 4 ft to 6 ft above grade due to the sloping topography. The electronic reader board display is the only part of the sign that would be illuminated, as allowed by MMC 14.08.090.E and MMC 14.24.020.G. The applicant's original submittal materials included plans that showed illumination for the overall monument sign, but a condition has been established to ensure that the plans are revised to confirm that only the electronic display will be illuminated.

The proposed sign location is near the entrance to the southwestern parking lot on campus, which provides the most direct access to the primary entrance of the main school building and is accessible from a driveway onto Willard Street. The proposed sign would be across Willard Street from the complex of three-story buildings owned and operated by Northwest Housing Alternatives (NHA), including the NHA office. The sign would be most directly visible from the NHA office building, with a more restricted line of sight to the lone NHA multifamily building that fronts on Willard Street.

Willard Street is classified as a local street, providing access to the NHA parking area as well as to the three school parking lots on the southern part of the campus. The school's Willard Street frontage also serves as a loading area for buses at the beginning and end of the school day. Overall, the street is not unusually busy over the course of the day, but the proposed sign would be highly visible to anyone entering the campus near the main entrance, which is the reason the applicant would like to provide the electronic display. The local street classification of Willard Street means

there is a lower volume of traffic to be impacted by the proposed sign than if it was intended to be visible from Lake Road, which is classified as an arterial (higher volume) street.

Finally, the scale and mass of surrounding development is such that the proposed sign will not dominate or overwhelm the visual environment. The new school building is three stories tall, as are the buildings on the NHA campus across the street. The sign is well under the maximum height allowed for Type III CSU signs and is an appropriately scaled feature for the open space landscaped area where it is proposed.

As conditioned, the Planning Commission finds that the proposed signage is consistent with that allowed for conditional use and CSU signs through Type III review, as per MMC Subsection 14.08.090.C.

5. The application was referred to the following departments and agencies on January 31, 2022:

- Milwaukie Engineering Department
- Milwaukie Building Department
- Historic Milwaukie Neighborhood District Association (NDA) Chairperson and Land Use Committee (LUC)
- Clackamas Fire District #1 (CFD)
- Clackamas County Department of Transportation & Development
- Metro
- TriMet

The responses received are summarized as follows:

- **Alex McGladrey, Deputy Fire Marshal, CFD:** No comments.

ATTACHMENT 2
Recommended Conditions of Approval
File # CSU-2021-005
Electronic Reader Board Sign at Milwaukie High School

Conditions

1. As per Finding 4, only the electronic reader board display portion of the new sign may be illuminated as per the standards of Milwaukie Municipal Code (MMC) Subsection 14.24.020.G. The static display and the overall monument structure are approved with no illumination.

Additional Requirements

The following items are not conditions of approval necessary to meet applicable land use review criteria. They relate to other development standards and permitting requirements contained in the MMC and Public Works Standards that are required at various points in the development and permitting process.

1. Submittal of a standard sign permit application is required for the new sign approved by this land use decision (file #CSU-2021-005). The submitted plans must be revised sufficiently to indicate that Condition 1 is met and to accurately represent what will be installed (in particular with respect to sign illumination).
2. The electronic display sign illumination intensity is limited to no more than 0.3 footcandles over ambient light, as per the measurement methodology established in MMC Subsection 14.24.020.G.1.
3. As per MMC Subsection 14.24.020.G.3, the message or copy on the electronic display sign is allowed to change no more frequently than every ten (10) seconds. The change in message or copy may occur instantaneously or may fade or dissolve with a transition time of no more than two (2) seconds between each separate message or display.
4. Expiration of Approval

As per MMC Subsection 19.1001.7.E, the land use approval granted with this decision will expire and become void unless the following criteria are satisfied. For proposals requiring any kind of development permit, the development must complete both of the following steps:

- a. Obtain and pay for all necessary development permits and start construction within two (2) years of land use approval.
- b. Pass final inspection and/or obtain a certificate of occupancy within four (4) years of land use approval.

Attachment 3



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

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

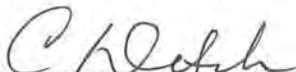
Comprehensive Plan Designation: P, C/HD Zoning: R-2 Size of property: 14.65 acres

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: 

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 (after discount, if any)	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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Attachments

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	Illumination¹
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 The proposed electronic sign will have lamps or bulbs exposed to direct view at 25
Findings: 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 The proposed electronic sign will not contain neon tubing. This standard is met.
Findings:

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

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 The proposed electronic sign will not have lighting that will directly, or indirectly from
Findings: 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 The approval of this Type III sign permit will not result in a conflict with these
Findings: 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

MILWAUKIE HIGH SCHOOL

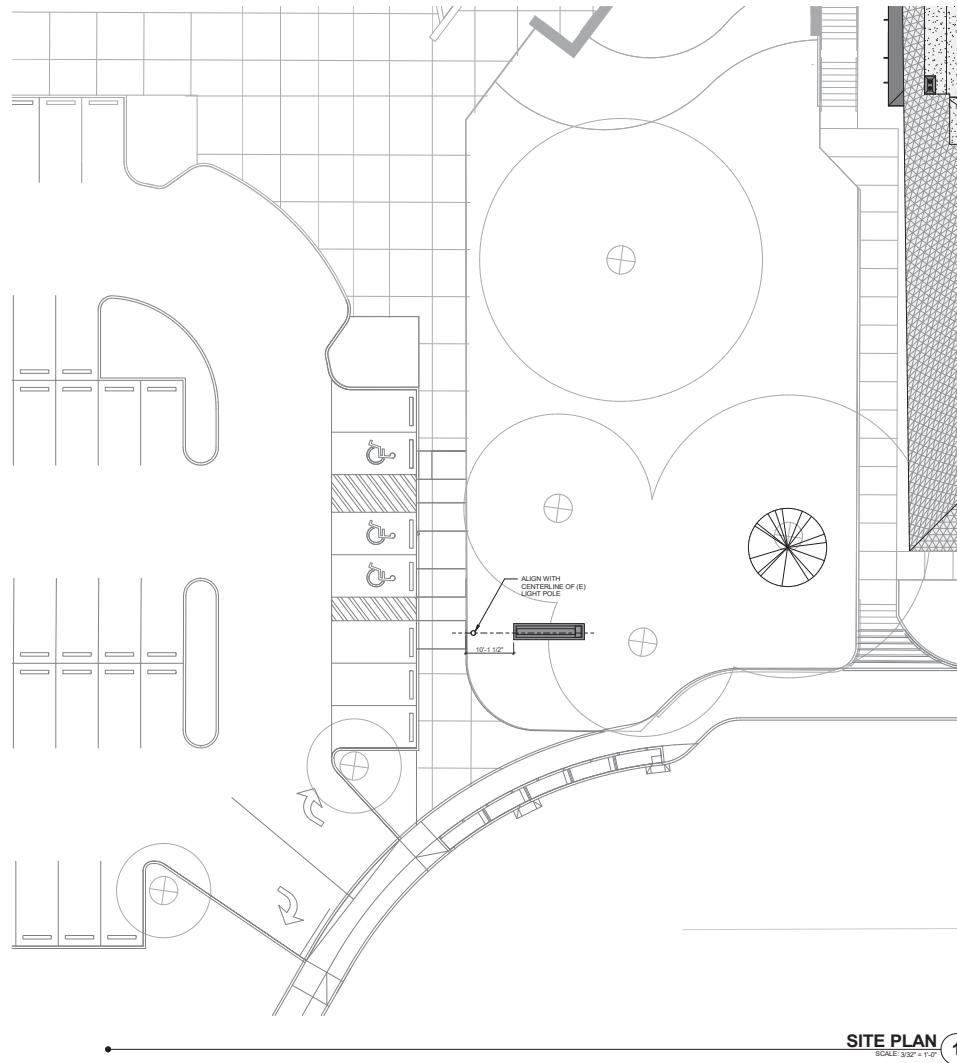
NORTH CLACKAMAS SCHOOL DISTRICT

2301 SE Willard Street, Milwaukie, OR 97222

owner
NORTH CLACKAMAS SCHOOL DISTRICT
t: (503) 353-5830 f: (503) 353-5846

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

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- E0.03 LIGHTING SCHEDULE
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- E6.02 PANEL SCHEDULES - ELECTRICAL

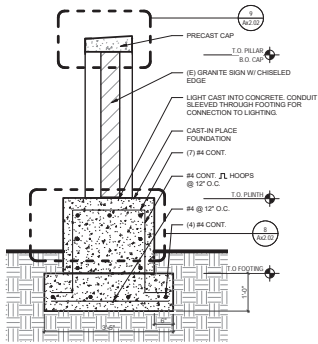
DEFERRED SUBMITTAL LIST

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SECTION 03 45 00 - PRECAST ARCHITECTURAL
CONCRETE

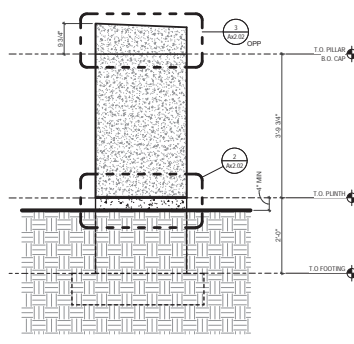


MONUMENT SIGN

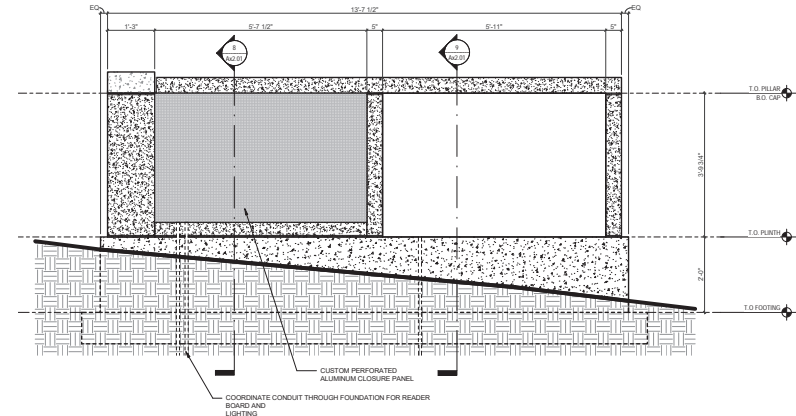
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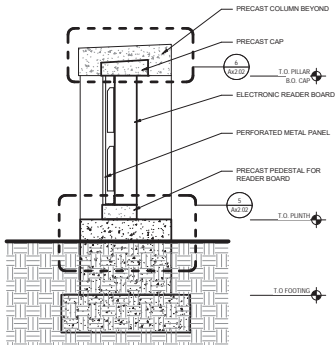
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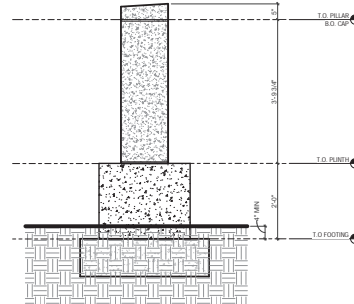
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SCALE: 3/4" = 1'-0"



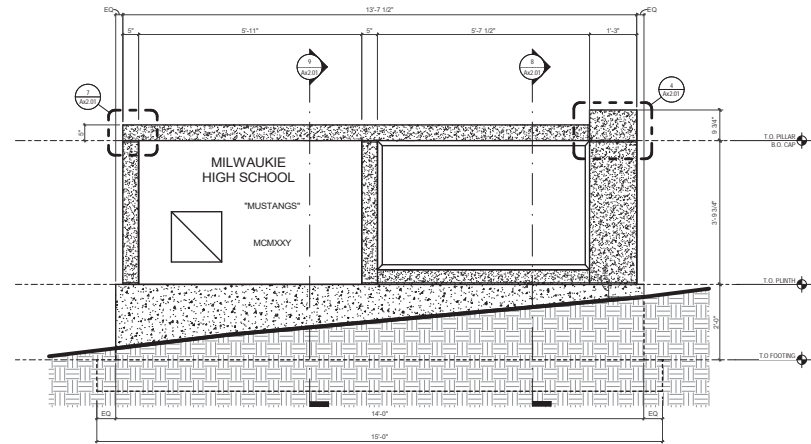
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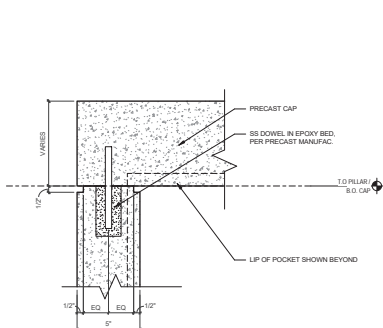
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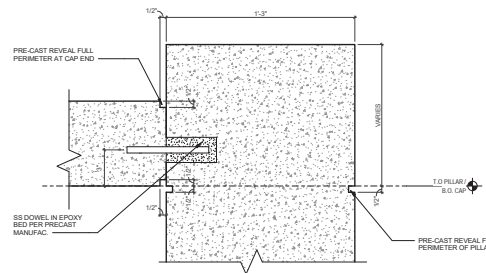
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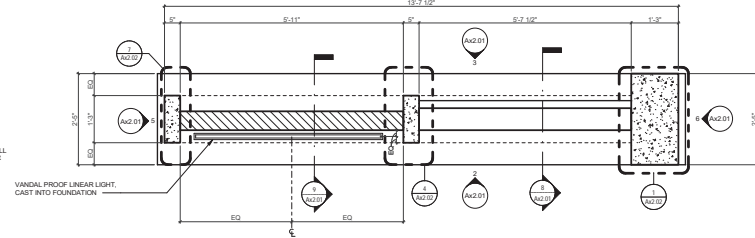
MHS SIGN - SOUTH ELEVATION 2
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DOWEL CONNECTION 7
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DOWEL CONNECTION 4
SCALE: 3/4" = 1'-0"



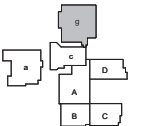
PLAN 1
SCALE: 3/4" = 1'-0"

BRIC
ARCHITECTURE, INC.

1233 NW Northrup Street
Suite 100
Portland, Oregon 97209
tel. (503) 595 4900



MILWAUKIE HIGH SCHOOL
NORTH CLACKAMAS SCHOOL DISTRICT
2301 SE Willard Street, Milwaukie, OR 97222
t: (503) 353-5820
f: (503) 353-5846



key plan

revisions

phase MONUMENT SIGN

date 12/15/21

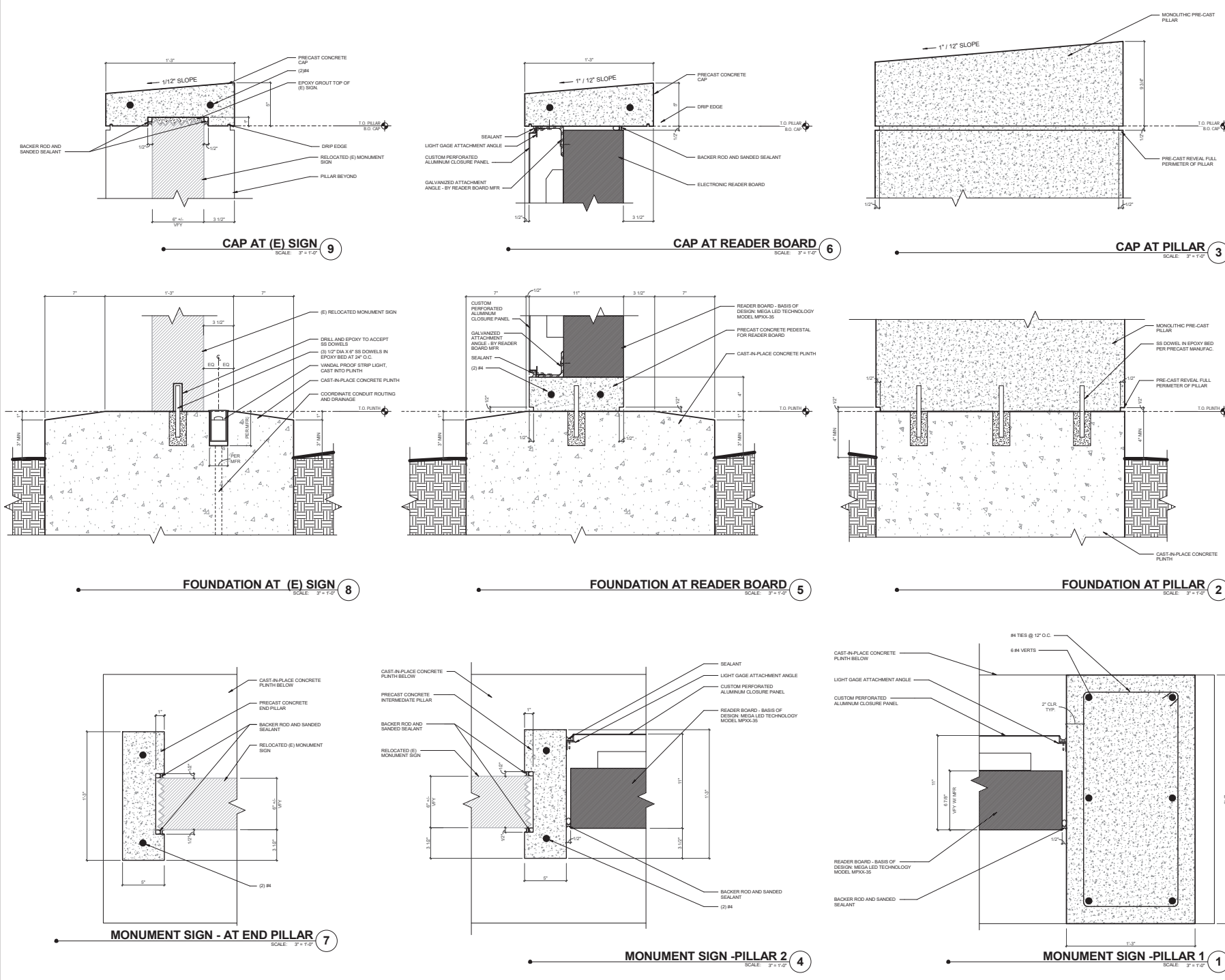
project 17010

MONUMENT SIGN

PLANS + SECTIONS

Ax2.01

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1233 NW Northrup Street
Suite 100
Portland, Oregon 97209
tel. (503) 595 4900

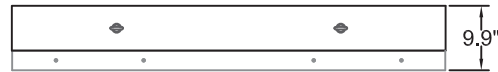
MILWAUKIE HIGH SCHOOL
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key plan

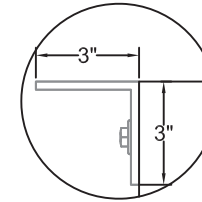
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project	17010	
	MONUMENT SIGN	
	DETAILS	

Ax2.02

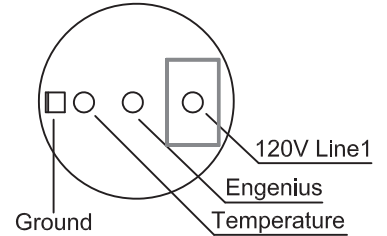
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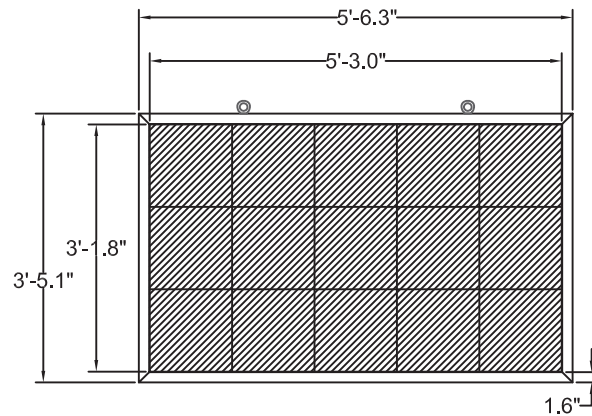
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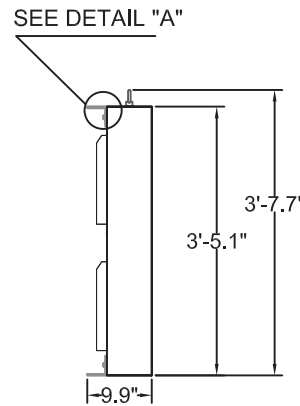
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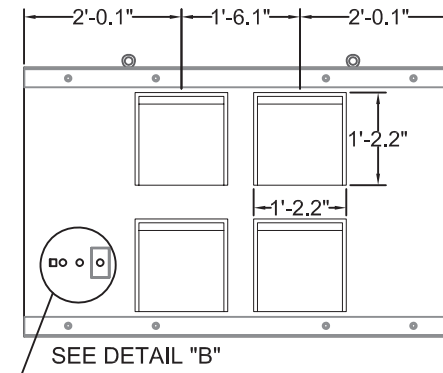
DETAIL "B"



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
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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

Dan Hess
SIGNATURE

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'

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**

12/20/2021 4:06:18 PM
C:\Users\jandrew\Documents\6065 MHS Rmt Model MEP-Central v17 - RECORD DRAWINGS - Jandrew.rvt

LUMINAIRE SCHEDULE											
TYPE	DESCRIPTION	HOUSING	SHIELDING	MOUNTING	FINISH	ULP RATING	BALLAST	LAMP(S)	INPUT WATTS	MFG/CATALOG #	NOTES
A	SUSPENDED LOW PROFILE LINEAR LUMINAIRE WITH NO DIRECT/INDIRECT DISTRIBUTION	NOMINAL 1.58 INCHES WIDE BY 1.18 INCHES HIGH IN LENGTHS AS SHOWN ON DRAWINGS STEEL	PROTECTED ACRYLIC DIFFUSER	SUSPENDED; COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS	AS SELECTED BY ARCHITECT	A-10 VOLT ELECTRONIC DAMMING DRIVER	NOMINAL 87 LUMENS PER FOOT, 3500K, 80 CR	8.3 WATTS PER FOOT	FRETITE SERIES 16 LUMINAIR OPTICAL, COB/LED, LEDALITE OR APPROVED		
B1	RECESSED ARCHITECTURAL TYP LED TROFFER WITH ANGLED DOOR AND DIFFUSE CENTER OPTICS	NOMINAL 12 INCHES WIDE BY 4 INCHES TALL BY 4 FOOT LONG STEEL	PROTECTED ACRYLIC DIFFUSER	RECESSED	WHITE	A-10 VOLT ELECTRONIC DAMMING DRIVER	NOMINAL 385 LUMENS, 3500K, 80 CR	38 WATTS PER FOOT	FRETITE 16P LES SERIES; THE WILLIAMS FOCAL POINT, LEDALITE OR APPROVED		
B2	RECESSED ARCHITECTURAL 24W LED TROFFER WITH FLAT DOOR AND DIFFUSE CENTER OPTICS	NOMINAL 24 INCHES WIDE BY 4 INCHES TALL BY 4 FOOT LONG STEEL	PROTECTED ACRYLIC DIFFUSER	RECESSED	WHITE	A-10 VOLT ELECTRONIC DAMMING DRIVER	NOMINAL 3792 LUMENS, 3500K, 80 CR	27 WATTS PER FOOT	FRETITE 16P LES SERIES; THE WILLIAMS FOCAL POINT, LEDALITE OR APPROVED		
C1	NARROW LINEAR RECESSED DIRECT LED	NOMINAL 3 INCHES WIDE BY 1.1 INCHES HIGH IN LENGTHS SHOWN ON DRAWINGS STEEL	PROTECTED ACRYLIC DIFFUSER	RECESSED	WHITE	A-10 VOLT ELECTRONIC DAMMING DRIVER	NOMINAL 80 LUMENS PER FOOT, 3500K, 80 CR	8 WATTS PER FOOT	LUMINOUS LIGHTING R90 SERIES; LEDALITE, NEDRAY, 30 LIGHTING OR APPROVED		
C2	RECESSED ARCHITECTURAL LINEAR	NOMINAL 7.5 INCHES WIDE BY 7.5 INCHES TALL IN LENGTHS SHOWN ON DRAWINGS EXTRUDED ALUMINUM	PROTECTED ALUMINUM DIFFUSER	RECESSED	WHITE	A-10 VOLT ELECTRONIC DAMMING DRIVER	NOMINAL 760 LUMENS PER FOOT, 3500K, 80 CR	7 WATTS PER FOOT	LUMINAIRE 80ALD SERIES; LUMINAIRE, LEDALITE OR APPROVED		
C3	RECESSED ARCHITECTURAL ASYMMETRIC LINEAR LED	NOMINAL 4 INCHES WIDE BY 5 INCHES TALL IN LENGTHS SHOWN ON DRAWINGS EXTRUDED ALUMINUM	PROTECTED ACRYLIC DIFFUSER	RECESSED	WHITE	A-10 VOLT ELECTRONIC DAMMING DRIVER	NOMINAL 826 LUMENS PER FOOT, 3500K, 80 CR	12.5 WATTS PER FOOT	FOCAL POINT 826M 4 SERIES; LUMINAIRE, LEDALITE, LEDALITE OR APPROVED		
C4	RECESSED ARCHITECTURAL LINEAR LED	NOMINAL 2.5 INCHES WIDE BY 4.5 INCHES TALL IN LENGTHS SHOWN ON DRAWINGS EXTRUDED ALUMINUM	RECESSED PROTECTED ACRYLIC DIFFUSER	RECESSED	WHITE	A-10 VOLT ELECTRONIC DAMMING DRIVER	NOMINAL 150 LUMENS PER FOOT, 3500K, 80CR	2 WATTS PER FOOT	FOCAL POINT 826M 2 SERIES; LUMINAIRE, LEDALITE, LEDALITE OR APPROVED		
D1	4 INCH RECESSED ARCHITECTURAL LED DOWNLIGHT	NOMINAL 4 INCH APERTURE, 1.3 INCHES WIDE BY 16 INCHES LONG BY 7 INCH HIGH GALVANIZED STEEL FRAME	SELF-FLANGE CLEAR MATTE DIFFUSE REFLECTOR	RECESSED	CLEAR MATTE DIFFUSE	A-10 VOLT ELECTRONIC DAMMING DRIVER	NOMINAL 450 LUMENS, 3500K, 80 CR	16.3 WATTS PER FOOT	DOWNLIGHT 450 4 SERIES; ELITE PORTFOLIO, LIGHTOLIER, LITHONIA OR APPROVED		
D2	8 INCH RECESSED ARCHITECTURAL LED DOWNLIGHT	NOMINAL 8 INCH APERTURE, 1.1 INCHES WIDE BY 16 INCHES LONG BY 7.5 INCH HIGH GALVANIZED STEEL FRAME	SELF-FLANGE CLEAR MATTE DIFFUSE REFLECTOR	RECESSED	CLEAR MATTE DIFFUSE	A-10 VOLT ELECTRONIC DAMMING DRIVER	NOMINAL 450 LUMENS, 3500K, 80 CR	46 WATTS PER FOOT	DOWNLIGHT 450 8 SERIES; ELITE PORTFOLIO, LIGHTOLIER, LITHONIA OR APPROVED		
D3	8 INCH RECESSED ARCHITECTURAL LED SHOWER LIGHT	NOMINAL 8 INCH APERTURE, 1.3 INCHES WIDE BY 16 INCHES LONG BY 7.5 INCH HIGH GALVANIZED STEEL FRAME	RECESSED DIFFUSE ACRYLIC WITH WHITE TRIM	RECESSED	WHITE	WET	A-10 VOLT ELECTRONIC DAMMING DRIVER	NOMINAL 1600 LUMENS, 3500K, 80 CR	16.3 WATTS PER FOOT	DOWNLIGHT 450 8 SERIES; ELITE PORTFOLIO, LIGHTOLIER, LITHONIA OR APPROVED	
D4	SURFACE MOUNTED LED DISK	NOMINAL 5 INCH DIAMETER BY 1 INCH DEEP METAL FRAME	PROTECTED OPTICAL DIFFUSION LENS	CEILING	WHITE	WET	INTEGRAL ELECTRONIC DAMMING DRIVER	NOMINAL 1600 LUMENS, 3500K, 80 CR	14 WATTS PER FOOT	CONTECH LIGHTING 1600 SUTR SERIES; LIGHTOLIER, HALO, JANDREW OR APPROVED	
F	SURFACE MOUNTED LED STRIPLIGHT	NOMINAL 4 FOOT COLO ROLLED STEEL CHANNEL	ROUND DIFFUSE LENS	SURFACE OR CHAIR RAIL	WHITE	WET	INTEGRAL ELECTRONIC DAMMING DRIVER	NOMINAL 4710 LUMENS, 80 CR, 3500K	35 WATTS PER FOOT	LITHONIA LIGHTING 4710 SERIES; THE WILLIAMS METALLUX, DAYBRITE OR APPROVED	
G	LINEAR 30 LED TROFFER	NOMINAL 24 INCHES WIDE BY 24 INCHES LONG BY 3.75 INCHES HIGH STEEL	PATTERN 475 ACRYLIC LENS	RECESSED	WHITE	WET	A-10 VOLT ELECTRONIC DAMMING DRIVER	NOMINAL 4000 LUMENS, 3500K, 80 CR	30 WATTS PER FOOT	LITHONIA LIGHTING 4710 SERIES; THE WILLIAMS METALLUX, DAYBRITE OR APPROVED	
H1	LINEAR 30 LED TROFFER	NOMINAL 24 INCHES WIDE BY 24 INCHES LONG BY 3.75 INCHES HIGH STEEL	PATTERN 475 ACRYLIC LENS	RECESSED	WHITE	WET	A-10 VOLT ELECTRONIC DAMMING DRIVER	NOMINAL 4000 LUMENS, 3500K, 80 CR	30 WATTS PER FOOT	LITHONIA LIGHTING 4710 SERIES; THE WILLIAMS METALLUX, DAYBRITE OR APPROVED	
H1	WALL MOUNTED DIRECT LINEAR LED	NOMINAL 1.14 INCHES WIDE BY 2.12 INCHES TALL BY 46 INCH LONG ALUMINUM	WHITE SAMPLE WITH EDGE SOFT LENS	WALL MOUNTED WITH 20 INCH ARM; COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS	AS SELECTED BY ARCHITECT	A-10 VOLT ELECTRONIC DAMMING DRIVER	NOMINAL 139 LUMENS PER FOOT, 3500K, 80 CR	12.4 WATTS PER FOOT	DOOR VISUAL SERIES; LUMINAIRE, ELLIPSE, PAL OR APPROVED		
H2	WALL MOUNTED DIRECT INDIRECT LINEAR LED WITH 40/60 ASYMMETRIC OPTICS	NOMINAL 2.8 INCHES WIDE BY 5 INCHES TALL BY 48 INCHES LONG EXTRUDED ALUMINUM	PROTECTED ACRYLIC DIFFUSER	MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS	AS SELECTED BY ARCHITECT	A-10 VOLT ELECTRONIC DAMMING DRIVER	NOMINAL 80 LUMENS PER FOOT, 3500K, 80 CR	8.3 WATTS PER FOOT	LUMINOUS LIGHTING 80P SERIES; LUMINAIRE, LEDALITE OR APPROVED		
H3	WALL MOUNTED DIRECT LINEAR LED WITH ASYMMETRIC ROOM WASH OPTICS AND INTEGRAL DAYLIGHT SENSOR	NOMINAL 2.8 INCHES WIDE BY 5 INCHES TALL IN LENGTHS AS SHOWN ON DRAWINGS EXTRUDED ALUMINUM	PROTECTED ACRYLIC DIFFUSER	MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS	AS SELECTED BY ARCHITECT	A-10 VOLT ELECTRONIC DAMMING DRIVER	NOMINAL 80 LUMENS PER FOOT, 3500K, 80 CR	7.2 WATTS PER FOOT	LUMINOUS LIGHTING 80P SERIES; LUMINAIRE, LEDALITE OR APPROVED	WITH INTEGRAL DAYLIGHT SENSOR	
H4	WALL MOUNTED DIRECT LINEAR LED WITH SYMMETRIC DOWN LIGHT OPTICS	NOMINAL 2.8 INCHES WIDE BY 5 INCHES TALL IN LENGTHS AS SHOWN ON DRAWINGS EXTRUDED ALUMINUM	PROTECTED ACRYLIC DIFFUSER	MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS	AS SELECTED BY ARCHITECT	A-10 VOLT ELECTRONIC DAMMING DRIVER	NOMINAL 80 LUMENS PER FOOT, 3500K, 80 CR	10 WATTS PER FOOT	LUMINOUS LIGHTING 80P SERIES; LUMINAIRE, LEDALITE OR APPROVED		
J	LED WRAPAROUND WITH INTEGRAL SENSOR	NOMINAL 4.75 INCHES WIDE BY 4 INCHES HIGH BY 51 INCHES LONG	PROTECTED ACRYLIC DIFFUSER	SURFACE (CEILING AND WALL)	WHITE	WET	INTEGRAL ELECTRONIC DAMMING DRIVER	NOMINAL 4000 LUMENS, 3500K, 80 CR	40 WATTS PER FOOT	LITHONIA LIGHTING 4710 SERIES; CONTECH LIGHTING OR APPROVED	
P1	ARCHITECTURAL TRIANGULAR INVERTED PYRAMID LED PENDANT	NOMINAL 50 INCHES WIDE BY 13 INCHES HIGH ALUMINUM SIDES	PROTECTED ACRYLIC DIFFUSER	SUSPENDED; COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS	AS SELECTED BY ARCHITECT	A-10 VOLT ELECTRONIC DAMMING DRIVER	NOMINAL 760 LUMENS PER FOOT, 3500K, 80 CR	9 WATTS PER FOOT	RECHARGE R90P FS SERIES OR APPROVED		
P2	ARCHITECTURAL LED RING DIRECT PENDANT	NOMINAL 9 FOOT DIAMETER BY 8 INCH HIGH ALUMINUM	PROTECTED ACRYLIC DIFFUSERS	SUSPENDED; COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS	AS SELECTED BY ARCHITECT	A-10 VOLT ELECTRONIC DAMMING DRIVER	NOMINAL 1500 LUMENS, 3500K, 80 CR	170 WATTS PER FOOT	1500 LIGHTING COMET 11 SERIES; CANNON, METAL CALCO OR APPROVED		
P3	ARCHITECTURAL LED RING DIRECT INDIRECT PENDANT	NOMINAL 9 FOOT DIAMETER BY 8 INCH HIGH ALUMINUM	PROTECTED ACRYLIC DIFFUSERS	SUSPENDED; COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS	AS SELECTED BY ARCHITECT	A-10 VOLT ELECTRONIC DAMMING DRIVER	NOMINAL 1500 LUMENS, 3500K, 80 CR	172 WATTS PER FOOT	1500 LIGHTING COMET 11 SERIES; CANNON, METAL CALCO OR APPROVED		
T	LED TAPELIGHT IN CHANNEL FOR DISPLAY CASES	NOMINAL 1.65 INCHES WIDE BY 1.54 INCHES TALL EXTRUDED ALUMINUM	PROTECTED LENS	RECESSED; COORDINATE INSTALLATION WITH ARCHITECTURAL DETAILS	SILVER ANODIZED	READY TO NON DAMMING DRIVER	NOMINAL 340 LUMENS PER FOOT, 3500K, 90 CR	4.4 WATTS PER FOOT	24 ARCHITECTURAL LIGHTING LL 150P SERIES		
X1	UNIVERSAL MOUNTED THIN PROFILE EXIT SIGN - SINGLE FACE	NOMINAL 12 INCH WIDE BY 8 INCH TALL BY 0.5 INCH DEEP DIE CAST ALUMINUM HOUSING; CONTRACTOR TO VERIFY BACKBOX REQUIREMENTS DURING ROUGH-IN	PROTECTED ACRYLIC DIFFUSER	COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS	BRUSHED ALUMINUM	GREEN LED	NOMINAL 2 WATTS	2 WATTS	EXITRON 400 SERIES; EXITNITE, SOLITE, PATHWAY, SURTELITE OR APPROVED	PROVIDE DIRECTIONAL ARROWS AS SHOWN ON DRAWINGS	
X2	UNIVERSAL MOUNTED THIN PROFILE EXIT SIGN - DOUBLE FACE	NOMINAL 12 INCH WIDE BY 8 INCH TALL BY 0.5 INCH DEEP DIE CAST ALUMINUM HOUSING; CONTRACTOR TO VERIFY BACKBOX REQUIREMENTS DURING ROUGH-IN	PROTECTED ACRYLIC DIFFUSER	COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS	BRUSHED ALUMINUM	GREEN LED	NOMINAL 2 WATTS	2 WATTS	EXITRON 400 SERIES; EXITNITE, SOLITE, PATHWAY, SURTELITE OR APPROVED	PROVIDE DIRECTIONAL ARROWS AS SHOWN ON DRAWINGS	
X3	MILKON MOUNTED THIN PROFILE EXIT SIGN - SINGLE FACE	NOMINAL 12 INCH WIDE BY 8 INCH TALL BY 0.5 INCH DEEP DIE CAST ALUMINUM HOUSING; CONTRACTOR TO VERIFY BACKBOX REQUIREMENTS DURING ROUGH-IN	PROTECTED ACRYLIC DIFFUSER	COORDINATE MOUNTING HEIGHT AND LOCATION WITH ARCHITECTURAL DRAWINGS	BRUSHED ALUMINUM	GREEN LED	NOMINAL 2 WATTS	2 WATTS	EXITRON 400 SERIES; EXITNITE, SOLITE, PATHWAY, SURTELITE OR APPROVED	PROVIDE DIRECTIONAL ARROWS AS SHOWN ON DRAWINGS	
EXTERIOR											
EX	EXISTING POST TOP LED PEDESTAL LUMINAIRE TO REMAIN				WHITE				75 WATTS		REPLACE DAMAGED BASE COVERS AS NECESSARY
SA-2	POST TOP LED AREA LUMINAIRE TO MATCH EXISTING - TYPE I DISTRIBUTION	NOMINAL 18 INCH DIAMETER BY OVERALL HEIGHT OF 35 INCH DIE CAST ALUMINUM	PRECISION ACRYLIC REFRACTIVE OPTICS	18 FOOT HIGH, STRAIGHT STEEL ROUND POLE, POLE TO BE WELDED TO BASE FOR HOUR WINDS WITH A GUST FACTOR OF 1.3, ABOVE GROUND CONCRETE	DARK BRONZE			NOMINAL 665 LUMENS, 4000K, 80 CR	75 WATTS	LITHONIA LIGHTING 16P LES SERIES TO MATCH EXISTING	
SA-5	POST TOP LED AREA LUMINAIRE TO MATCH EXISTING - TYPE V DISTRIBUTION	NOMINAL 18 INCH DIAMETER BY OVERALL HEIGHT OF 35 INCH DIE CAST ALUMINUM	PRECISION ACRYLIC REFRACTIVE OPTICS	18 FOOT HIGH, STRAIGHT STEEL ROUND POLE, POLE TO BE WELDED TO BASE FOR HOUR WINDS WITH A GUST FACTOR OF 1.3, ABOVE GROUND CONCRETE	DARK BRONZE			NOMINAL 665 LUMENS, 4000K, 80 CR	75 WATTS	LITHONIA LIGHTING 16P LES SERIES TO MATCH EXISTING	
SA-EX	EXISTING POST TOP LED AREA LUMINAIRE TO REMAIN				DARK BRONZE				75 WATTS		REPLACE DAMAGED BASE COVERS AS NECESSARY
SA-R	EXISTING POST TOP LED AREA LUMINAIRE TO BE REUSED AND RELOCATED				DARK BRONZE				75 WATTS		REPLACE DAMAGED BASE COVERS AS NECESSARY
SB	POST TOP LED AREA LIGHT WITH TYPE V SYMMETRIC DISTRIBUTION	NOMINAL 35 INCH DIAMETER BY 28.75 INCH HIGH CAST ALUMINUM CORROSION RESISTANT	NUCLOVOR/MOLDED ACRYLIC WITH GLASS REFLECTOR	13 FOOT HIGH, STRAIGHT STEEL ROUND POLE, POLE TO BE WELDED TO BASE FOR HOUR WINDS WITH A GUST FACTOR OF 1.3, ABOVE GROUND CONCRETE	IP68	INTEGRAL DRIVER, 0-10V DIMMING	NOMINAL 1600 LUMENS, 3500K, 80 CR	24 WATTS PER FOOT	NUCLE VENDOR POST TOP SERIES		
SC	WALL MOUNTED LED LUMINAIRE WITH TYPE V SYMMETRIC DISTRIBUTION	NOMINAL 17 INCH WIDE BY 8 INCH DEEP BY 7.25 INCH HIGH DIE CAST ALUMINUM	CLEAR POLYMER	WALL MOUNTED; COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS	AS SELECTED BY ARCHITECT	IP68	INTEGRAL DRIVER, 0-10V DIMMING	NOMINAL 247 LUMENS, 3500K, 80 CR	26 WATTS PER FOOT	PHILIPS GARDOL 161 SERIES; THE WILLIAMS, MCGRAW HILL, LITHONIA OR APPROVED	
SD	WALL MOUNTED RECTANGULAR LED TYPE V ROOFING	NOMINAL 6 INCH WIDE BY 4.3 INCHES HIGH BY 3.9 INCHES HIGH CAST ALUMINUM	CLEAR GLASS	WALL MOUNTED AT 7'-6" AFF	AS SELECTED BY ARCHITECT	IP68	INTEGRAL DRIVER, 0-10V DIMMING	NOMINAL 100 LUMENS, 3500K, 80 CR	10 WATTS PER FOOT	DOWNLIGHT 450 4 SERIES; ELITE PORTFOLIO, LIGHTOLIER, LITHONIA OR APPROVED	
SE	SURFACE MOUNTED WET LOCATION CLEAR LED	NOMINAL 5 INCH WIDE BY 1.5 INCHES HIGH BY 1.5 INCHES LONG EXTRUDED ALUMINUM	PROTECTED ACRYLIC DIFFUSER	SURFACE MOUNTED TO EXTERIOR CANOPY; COORDINATE INSTALLATION WITH ARCHITECTURAL DRAWINGS	WET	AS SELECTED BY ARCHITECT	INTEGRAL DRIVER, 0-10V DIMMING	NOMINAL 1600 LUMENS, 3500K, 80 CR	23 WATTS PER FOOT	CONTECH LIGHT 1600 SUTR SERIES; LIGHTOLIER, HUGO, JANDREW OR APPROVED	
BF1	RECESSED WET LOCATION LINEAR LED	NOMINAL 4.5 INCH WIDE BY 3.4 INCH DEEP BY 38.5 INCH LONG EXTRUDED ALUMINUM	PROTECTED ACRYLIC DIFFUSER	RECESSED	AS SELECTED BY ARCHITECT	WET	INTEGRAL DRIVER, 0-10V DIMMING	NOMINAL 360 LUMENS PER FOOT, 3500K, 80 CR	5.75 WATTS PER FOOT	LUMINAIRE VIA WET SERIES; BELLUX OR APPROVED	
SG	SURFACE MOUNTED CONTINUOUS LED LINEAR LUMINAIRE	NOMINAL 1.8 INCH WIDE BY 1.5 INCHES HIGH CHANNEL, THREE LOCATIONS IN LENGTHS OF 50 INCH, 68 INCH AND 80 INCH	SELF-FLANGE WITH 15 DEGREE BEAM ANGLE	SURFACE MOUNTED TO EXTERIOR ROOF; COORDINATE INSTALLATION WITH ARCHITECTURAL DRAWINGS	SATIN NICKEL	IP68	READY TO DRIVER, 0-10V DIMMING	NOMINAL 265 LUMENS PER FOOT, 3000K, 90 CR	3 WATTS PER FOOT	NUCLE VENDOR VES 3.11RWB WITH ARM CHANNEL SERIES; BELLUX, PRECISE LED OR APPROVED	RELOCATE ORDER TO BE LOCATED IN AN ACCESSIBLE SPACE
SG1	EXTERIOR RATED TAPELIGHT IN LINEAR CHANNEL FOR SIGNAGE LIGHTING	NOMINAL 1.8 INCH SQUARE CHANNEL, LENGTHS AS SHOWN ON DRAWINGS	PROTECTED LENS WITH 15 DEGREE BEAM ANGLE	COORDINATE MOUNTING WITH ARCHITECTURAL DETAIL OF SIGNAGE	SATIN NICKEL	IP68	INTEGRAL DRIVER, 0-10V DIMMING	NOMINAL 365 LUMENS PER FOOT, 3000K, 90 CR	4 WATTS PER FOOT	NUCLE VENDOR VES 3.11RWB WITH ARM CHANNEL SERIES; BELLUX, PRECISE LED OR APPROVED	120 VOLT ONLY
SJ	RECESSED LED EYEPOINT	NOMINAL 12.5 INCH LONG BY 2.5 INCH TALL BY 2 INCH DEEP DIE CAST ALUMINUM	TEMPER GLASS	RECESSED; PROVIDE BACKBOX FOR INSTALLATION DURING CONSTRUCTION	ALUMINUM GRAY	IP68	INTEGRAL ELECTRONIC DRIVER	NOMINAL 340 LUMENS, 3500K, 80 CR	13 WATTS PER FOOT	SYSTEMIX 3400W SERIES; BELLUX, COLE LIGHTING, WE-47 OR APPROVED	
SK	WALL MOUNTED LED UTILITY LUMINAIRE WITH INTEGRAL BATTERY BACKUP - TYPE I VERY SHORT OPTIC	NOMINAL 7 INCH WIDE BY 8.3 INCH TALL BY 4 INCH DEEP DIE CAST ALUMINUM	TEMPER GLASS	WALL MOUNTED TOP OF LUMINAIRE MOUNTED AT 7'-6" AFF	BRONZE	WET	INTEGRAL ELECTRONIC DRIVER	NOMINAL 120 LUMENS, 3500K, 80 CR	14 WATTS PER FOOT	TRACELITE 120SPF 14 SERIES; LITHONIA, LUMARK OR APPROVED	PROVIDE INTEGRAL BATTERY BACKUP
SL	EXTERIOR MOUNTED LED UTILITY LUMINAIRE WITH INTEGRAL BATTERY BACKUP - TYPE II SHORT OPTIC	NOMINAL 7 INCH WIDE BY 8.3 INCH TALL BY 4 INCH DEEP DIE CAST ALUMINUM	TEMPER GLASS	WALL MOUNTED TOP OF LUMINAIRE MOUNTED AT 7'-6" AFF	BRONZE	WET	INTEGRAL ELECTRONIC DRIVER	NOMINAL 120 LUMENS, 3500K, 80 CR	14 WATTS PER FOOT	TRACELITE 120SPF 14 SERIES; LITHONIA, LUMARK OR APPROVED	PROVIDE INTEGRAL BATTERY BACKUP
ROOF											
1. THE LUMINAIRE SCHEDULE IS NOT COMPLETE WITHOUT A COPY OF THE PROJECT MANUAL, CONTAINING THE ELECTRICAL SPECIFICATIONS. 2. DIMMING CONTROL, PHOTOCELL, 0-10VDC, LINE VOLTAGE, DALI, ETC. COMPATIBLE WITH LIGHTING CONTROL SYSTEM AS SPECIFIED AND SHOWN ON DRAWINGS. 3. PROVIDE 1/2 INCH ADJUSTABILITY IN ARCHITECTURAL CABLE LENGTH WHERE USED. 4. COORDINATE ALL CEILING TYPES WITH LUMINAIRE LOCATIONS PRIOR TO ORDERING LUMINAIRE. 5. SPECIFIED MANUFACTURERS ARE APPROVED TO SUBMIT BID. INCLUSION DOES NOT RELIEVE MANUFACTURER FROM SUPPLYING PRODUCT AS DESIGNED. 6. PROVIDE SUBMITTALS THAT INCLUDE THE LUMINAIRE, LAMP AND BALLAST INFORMATION OF EACH LUMINAIRE. WITH APPLICABLE OPTIONS CLEARLY CHECKED OR HIGHLIGHTED. SUBMITTALS NOT INCLUDING THIS INFORMATION WILL BE RETURNED AS REJECTED BY THE ENGINEER OF RECORD. 7. REMOTE BALLAST/DRIVERS ARE LISTED FOR THEIR APPLICATION. BALLAST/DRIVERS MARKED AS NOT LISTED ARE SUBJECT TO REMOVAL AND REPLACEMENT AT NO COST TO OWNER. 8. REFER TO LUMINAIRE AND FOR LOCATION, CIRCUITING, AND SWITCHING FOR EACH REMOTE DRIVER. LABEL ALL REMOTE DRIVERS TO SHOW LUMINAIRE TYPE IDENTIFICATION AND SOURCE CIRCUIT. PROVIDE WIRING BETWEEN REMOTE DRIVER AND LUMINAIRE AS RECOMMENDED BY MANUFACTURER. DO NOT EXCEED MAXIMUM DISTANCE RECOMMENDED BY MANUFACTURER BETWEEN DRIVER AND FURTHEST LUMINAIRE.											

PROJECT 2017-0517
CONTACT Kim Wall

100 SW Main St.
Suite 100
Portland, OR 97204
Tel: 503.583.2565
Fax: 503.583.2562
www.interfaceengineering.com

INTERFACE
ENGINEERING

BRIC
ARCHITECTURE, INC.

1233 NW Northrup Street
Suite 100
Portland, Oregon 97209
tel. (503) 595 4900

EXP. 12/31/22

MILWAUKIE HIGH SCHOOL

NORTH CLACKAMAS SCHOOL DISTRICT
2301 SE Willard Street, Milwaukie, OR 97222
t: (503) 353-5840
f: (503) 353-5846

key plan

revisions
ADD-02 08/31/2018
CDD-03 12/02/2019
CDD-03 12/15/2021

phase RECORD SET

date 05/21/2021
project 171010
LUMINAIRE SCHEDULE - ELECTRICAL

E0.02

6.1 Page 34

Lighting Control Panel					Lighting Control Panel				
'LCP1B'					'LCP1D'				
Relay #	Circuit	Description	TC	Control	Relay #	Circuit	Description	TC	Control
1	4L1B-3	L-HALLWAYS	TC	OS	1	4L1D-3	L-HALLWAYS	TC	OS
2	4L1B-7	L-EXTERIOR LOBBY	AC		2	4L1D-5	L-LOBBY	TC	PC
3	4L1B-8	L-EXTERIOR	AC		3	4L1D-7	L-EXTERIOR	AC	
4	4L1B-9	L-EXTERIOR	AC		4	4L1D-9	L-EXTERIOR	AC	
5	4L1B-10	L-EXTERIOR	AC		5	4L1D-6	L-EXTERIOR	AC	
6	4L1B-11	L-EXTERIOR	AC		6		SPARE RELAY		
7	4L1B-12	L-EXTERIOR	AC		7		SPARE RELAY		
8		SPARE RELAY			8		SPARE RELAY		
9		SPARE RELAY			9		SPARE RELAY		
10		SPARE RELAY			10		SPARE RELAY		
11		SPARE RELAY			11		SPARE RELAY		
12		SPARE RELAY			12		SPARE RELAY		
13		SPARE RELAY			13		SPARE RELAY		
14		SPARE RELAY			14		SPARE RELAY		
15		SPARE RELAY			15		SPARE RELAY		
16		SPARE RELAY			16		SPARE RELAY		
17		SPARE RELAY			17		SPARE RELAY		
18		SPARE RELAY			18		SPARE RELAY		
19		SPARE RELAY			19		SPARE RELAY		
20		SPARE RELAY			20		SPARE RELAY		
Inputs: PC, BAS, FA					Inputs: PC, BAS, FA				
Abbreviations:					Abbreviations:				
TC	Timeclock				TC	Timeclock			
AC	Astronomical Timeclock				AC	Astronomical Timeclock			
OS	Occupancy Sensor				OS	Occupancy Sensor			
PC	Protocol				PC	Protocol			
FA	Fire Alarm				FA	Fire Alarm			
BS	Security System				BS	Security System			
BAS	Building Automation System				BAS	Building Automation System			

Lighting Control Panel					Lighting Control Panel				
'LCP2B'					'LCP2D'				
Relay #	Circuit	Description	TC	Control	Relay #	Circuit	Description	TC	Control
1	4L2B-3	L-HALLWAYS	TC	OS	1	4L2D-1	L-HALLWAYS	TC	OS
2		SPARE RELAY			2		SPARE RELAY		
3		SPARE RELAY			3		SPARE RELAY		
4		SPARE RELAY			4		SPARE RELAY		
5		SPARE RELAY			5		SPARE RELAY		
6		SPARE RELAY			6		SPARE RELAY		
7		SPARE RELAY			7		SPARE RELAY		
8		SPARE RELAY			8		SPARE RELAY		
Inputs: PC, BAS, FA					Inputs: PC, BAS, FA				
Abbreviations:					Abbreviations:				
TC	Timeclock				TC	Timeclock			
AC	Astronomical Timeclock				AC	Astronomical Timeclock			
OS	Occupancy Sensor				OS	Occupancy Sensor			
PC	Protocol				PC	Protocol			
FA	Fire Alarm				FA	Fire Alarm			
BS	Security System				BS	Security System			
BAS	Building Automation System				BAS	Building Automation System			

Lighting Control Panel					Lighting Control Panel				
'LCP3B'					'LCP3D'				
Relay #	Circuit	Description	TC	Control	Relay #	Circuit	Description	TC	Control
1	4L3B-1	L-HALLWAYS	TC	OS	1	4L3D-1	L-HALLWAYS	TC	OS
2		SPARE RELAY			2		SPARE RELAY		
3		SPARE RELAY			3		SPARE RELAY		
4		SPARE RELAY			4		SPARE RELAY		
5		SPARE RELAY			5		SPARE RELAY		
6		SPARE RELAY			6		SPARE RELAY		
7		SPARE RELAY			7		SPARE RELAY		
8		SPARE RELAY			8		SPARE RELAY		
Inputs: PC, BAS, FA					Inputs: PC, BAS, FA				
Abbreviations:					Abbreviations:				
TC	Timeclock				TC	Timeclock			
AC	Astronomical Timeclock				AC	Astronomical Timeclock			
OS	Occupancy Sensor				OS	Occupancy Sensor			
PC	Protocol				PC	Protocol			
FA	Fire Alarm				FA	Fire Alarm			
BS	Security System				BS	Security System			
BAS	Building Automation System				BAS	Building Automation System			

BRIC
ARCHITECTURE, INC.

1233 NW Northrup Street
Suite 100
Portland, Oregon 97209
tel. (503) 595 4900



MILWAUKIE HIGH SCHOOL

NORTH CLACKAMAS SCHOOL DISTRICT
2301 SE Willard Street, Milwaukie, OR 97222
t: (503) 353-8800
f: (503) 353-8846

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: 503.353.2565
Fax: 503.353.2562
www.interfaceengineering.com

LOAD SUMMARY AT Switchboard '4MDS'						
LOAD TYPE	LOAD DESCRIPTION	UNITS	CONNECTED LOAD	DEMAND FACTOR	DEMAND LOAD	TOTAL DEMAND LOAD
G General (Non-Continuous)	KVA	114.44	100%	114.44		
L Lighting	KVA	187.24	100%	187.24		
H Heating	KVA	13.00	100%	13.00		
H Heating	KVA	26.31	50%	13.16		
M Motors	KVA	21.32	100%	21.32		
M Motors	KVA	452.26	100%	452.26		
M Motors	KVA	21.32	100%	21.32		
MH Water Heater	KVA	14.50	100%	14.50		
C Continuous General Load	KVA	114.44	100%	114.44		
TOTAL LOADS (4MW, 3 PHASE)		1,248.3				
AMPS		1,031.4				

LOAD SUMMARY AT Panel 'GEN'						
LOAD TYPE	LOAD DESCRIPTION	UNITS	CONNECTED LOAD	DEMAND FACTOR	DEMAND LOAD	TOTAL DEMAND LOAD
G General (Non-Continuous)	KVA	35.75	100%	35.75		
L Lighting	KVA	14.58	100%	14.58		
R Radiant - 10 KW	KVA	5.88	100%	5.88		
H Heating	KVA	5.88	50%	2.94		
M Motors	KVA	5.88	100%	5.88		
M Motors	KVA	24.76	100%	24.76		
MH Water Heater	KVA	15.12	100%	15.12		
C Continuous General Load	KVA	5.88	100%	5.88		
TOTAL LOADS (4MW, 3 PHASE)		141.9				
AMPS		147.9				

Panel '2SB1D'

12000V, 3 Ph, 4 W, 250A Bus with 250A Main Circuit Breaker Surface Mounted Distribution Panelboard with an Available Fault Current of 100KA RMS

CL No.

Description / Location

Load (VA/Type)

C.B. Affinity

Note

C.B. Load (VA/Type)

Description / Location

CL No.

1

Power 2SB1D

2,658 S 500

A

2,658 S 500

Panel 2SB1D

2

2

888 S 120

B

888 S 120

3

3

888 S 120

C

888 S 120

Panel 2SB1D

4

4

888 S 120

D

888 S 120

5

5

888 S 120

E

888 S 120

6

6

888 S 120

F

888 S 120

7

7

888 S 120

G

888 S 120

8

8

888 S 120

H

888 S 120

9

9

FCU-20

50 M 150

A

50 M 150

FCU-20 CONDENSATE PUMP

14

10

50 M 150

B

50 M 150

15

11

FCU-21

50 M 150

A

50 M 150

FCU-21 CONDENSATE PUMP

16

12

50 M 150

B

50 M 150

17

13

FCU-22

50 M 150

A

50 M 150

FCU-22 CONDENSATE PUMP

18

14

50 M 150

B

50 M 150

19

15

FCU-23

50 M 150

A

50 M 150

FCU-23 CONDENSATE PUMP

20

16

50 M 150

B

50 M 150

21

17

CHANGING STATION

1,000 L 200

A

1,000 L 200

SPARE BREAKER

22

18

CHANGING STATION

1,000 L 200

A

1,000 L 200

SPARE BREAKER

23

19

SPARE BREAKER

2001 A

SPARE BREAKER

24

20

SPARE BREAKER

2001 A

SPARE BREAKER

25

21

SPARE BREAKER

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SPARE BREAKER

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SPARE BREAKER

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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

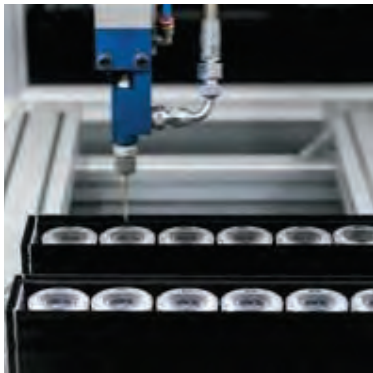
MHS CCD-93
12.15.2021

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

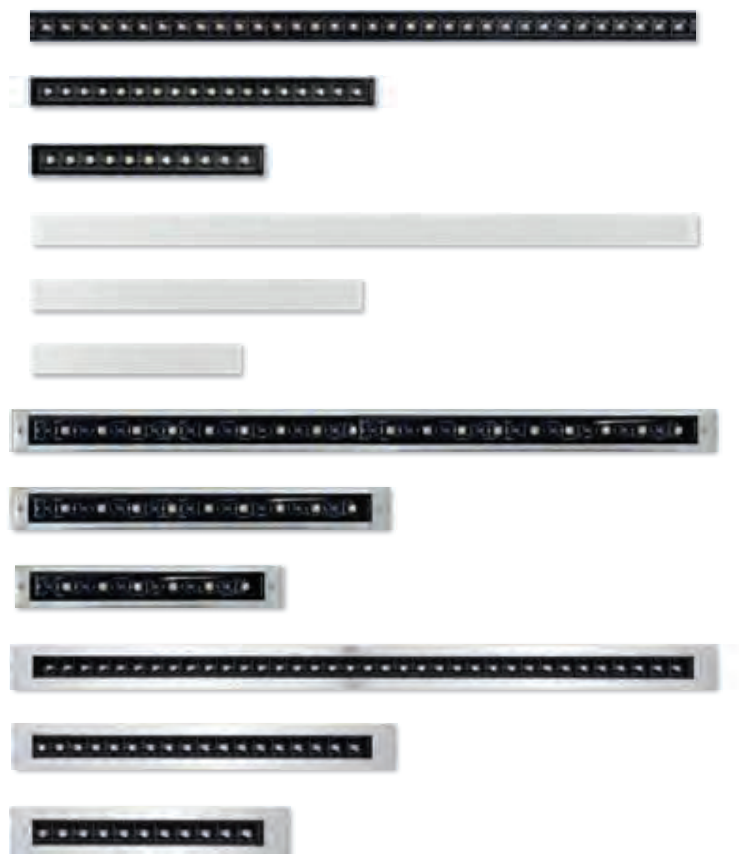
The Archiline range comprises four subranges of recessed mountings.

- 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.



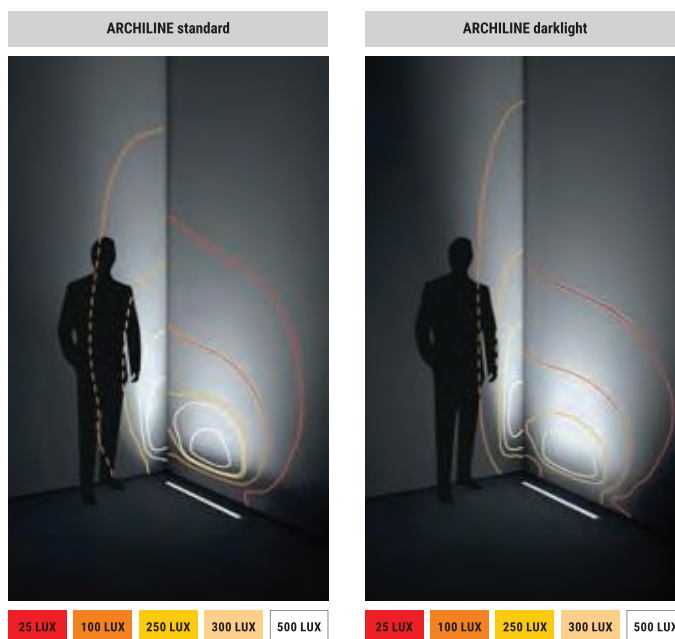
Optics

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:

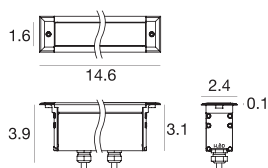
- Darklight versions, which section the beam by eliminating the direct component to the exterior and lighting only the wall
- Ability to create continuous lines without affecting the evenness of the light near the ends of each module. In the Archiline_F no-darklight versions, the diodes are arranged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





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



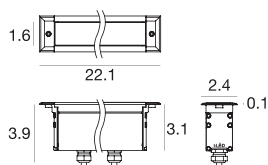
13W

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



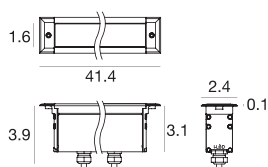
20W

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



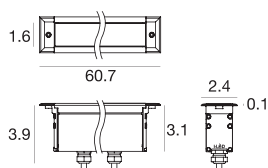
40W

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

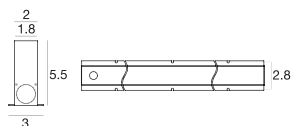
E99057	E98147	E98146
78.7 in power supply cable F 3 pin	196.9 in extension M+F 3 pin	393.7 in extension M+F 3 pin

Cables 0-10V

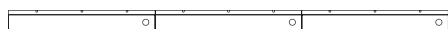
E99826	E99822	E99823	E99824	E99825
39.4 in power supply cable + 0-10V dimming F 5 pin	196.9 in power supply cable + 0-10V dimming F 5 pin	39.4 in extension cable for power + 0-10V dimming M+F 5 pin	196.9 in extension cable for power + 0-10V dimming M+F 5 pin	393.7 in extension cable for power + 0-10V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

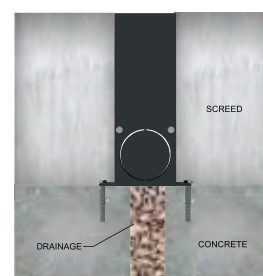
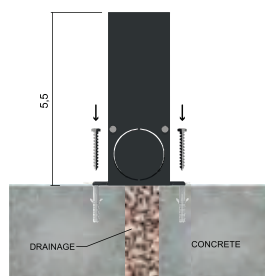
The housings of the Archiline_F and FL versions have tempered glass, 0.47-inch ceramic powder coating, and will support a weight of up to five tonnes.

Installation accessories

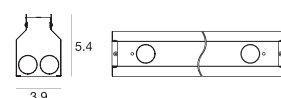


E98957

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



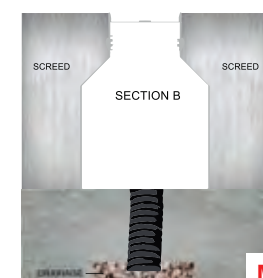
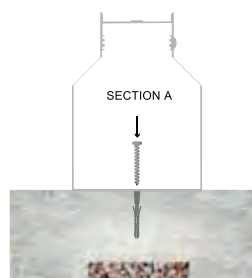
Galvanization

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.

technical
information



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Attachment 4

Brett Kelter

From: McGladrey, Alex <alex.mcgladrey@Clackamasfire.com>
Sent: Thursday, February 3, 2022 8:13 AM
To: Brett Kelter
Subject: Re: CSU-2021-005 Notice of Type III Land Use Proposal and Referral

This Message originated outside your organization.

Good Morning Brett,

CFD has no comment on the replacement reader board sign and Milwaukie High School.

Thanks

Alex McGladrey

Deputy Fire Marshal | Fire Marshal's Office

direct: 503.742.2662

main: 503.742.2600



From: Will First <firstw@milwaukieoregon.gov>
Sent: Monday, January 31, 2022 15:26
To: recker.richard@gmail.com <recker.richard@gmail.com>; valhubbard@comcast.net <valhubbard@comcast.net>; k1ein23@comcast.net <k1ein23@comcast.net>; Ovationbistrobar@gmail.com <Ovationbistrobar@gmail.com>; Joseph Briglio <BriglioJ@milwaukieoregon.gov>; Steve Adams <AdamsS@milwaukieoregon.gov>; Jennifer Backhaus <BackhausJ@milwaukieoregon.gov>; Laura Weigel <WeigelL@milwaukieoregon.gov>; Samantha Vandagriff <VandagriffS@milwaukieoregon.gov>; CCFD1 - Engineering <engineering@clackamasfire.com>; Jason Wachs <WachsJ@milwaukieoregon.gov>; landusenotifications@oregonmetro.gov <landusenotifications@oregonmetro.gov>; McGladrey, Alex <alex.mcgladrey@Clackamasfire.com>; developmentreview@trimet.org <developmentreview@trimet.org>
Cc: Brett Kelter <KelterB@milwaukieoregon.gov>
Subject: CSU-2021-005 Notice of Type III Land Use Proposal and Referral

Hello,

Please access the link below to find the Notice of Type III Land Use Proposal and Application Referral for land use application CSU-2021-005 for 2301 SE Willard St. If you have any questions, please feel free to contact Senior Planner Brett Kelter at 503-786-7657 or kelverb@milwaukieoregon.gov.

<https://www.milwaukieoregon.gov/planning/csu-2021-005>

Thank You.