



## Introduction

The City of Madison's Urban Design Commission (UDC) has been created to:

- Encourage and promote high quality in the design of new buildings, developments, remodeling, and additions so as to maintain and improve the established standards of property values within the City.
- Foster civic pride in the beauty and nobler assets of the City, and in all other ways possible assure a functionally efficient and visually attractive City in the future.

## Types of Approvals

There are three types of requests considered by the UDC:

- Informational Presentation. A request for an Informational Presentation to the UDC may be requested prior to seeking any approvals to obtain early feedback and direction before undertaking detailed design efforts. Applicants should provide details on the context of the site, design concept, site and building plans, and other relevant information to help the UDC understand the proposal and provide feedback. (Does not apply to CDR's or Signage Modification requests)
- Initial Approval. Applicants may, at their discretion, request Initial Approval of a proposal by presenting preliminary design information. As part of their review, the Commission will provide feedback on the design information that should be addressed at Final Approval stage.
- Final Approval. Applicants may request Final Approval of a proposal by presenting all final project details. Recommendations or concerns expressed by the UDC in the Initial Approval must be addressed at this time.

## Presentations to the Commission

The Urban Design Commission meets virtually via Zoom, typically on the second and fourth Wednesdays of each month at 4:30 p.m. Applicant presentations are strongly encouraged, although not required. Prior to the meeting, each individual speaker is required to complete an online registration form to speak at the meeting. A link to complete the online registration will be provided by staff prior to the meeting. Please note that individual presentations will be limited to a **maximum of three (3) minutes**. The pooling of time may be utilized to provide one speaker more time to present, however the additional time will be based on the number of registrants from the applicant team, i.e. two (2) applicant registrants = six (6) minutes for one (1) speaker.

Primarily, the UDC is interested in the appearance and design quality of projects. Emphasis should be given to the site plan, landscape plan, lighting plan, building elevations, exterior building materials, color scheme, and graphics. Please note that presentation slides, in a PDF file format, are required to be submitted **the Friday before** the UDC meeting.

# URBAN DESIGN DEVELOPMENT PLANS CHECKLIST

UDC

The items listed below are minimum application requirements for the type of approval indicated. Please note that the UDC and/or staff may require additional information in order to have a complete understanding of the project.

## 1. Informational Presentation

- Locator Map
- Letter of Intent (If the project is within an Urban Design District, a summary of how the development proposal addresses the district criteria is required)
- Contextual site information, including photographs and layout of adjacent buildings/structures
- Site Plan
- Two-dimensional (2D) images of proposed buildings or structures.

Providing additional information beyond these minimums may generate a greater level of feedback from the Commission.

### Requirements for All Plan Sheets

1. Title block
2. Sheet number
3. North arrow
4. Scale, both written and graphic
5. Date
6. Fully dimensioned plans, scaled at 1" = 40' or larger

**\*\* All plans must be legible, including the full-sized landscape and lighting plans (if required)**

## 2. Initial Approval

- Locator Map
- Letter of Intent (If the project is within a Urban Design District, a summary of how the development proposal addresses the district criteria is required)
- Contextual site information, including photographs and layout of adjacent buildings/structures
- Site Plan showing location of existing and proposed buildings, walks, drives, bike lanes, bike parking, and existing trees over 18" diameter
- Landscape Plan and Plant List (*must be legible*)
- Building Elevations in **both** black & white and color for all building sides, including material and color callouts
- PD text and Letter of Intent (if applicable)

Providing additional information beyond these minimums may generate a greater level of feedback from the Commission.

## 3. Final Approval

All the requirements of the Initial Approval (see above), **plus**:

- Grading Plan
- Lighting Plan, including fixture cut sheets and photometrics plan (must be legible)
- Utility/HVAC equipment location and screening details (with a rooftop plan if roof-mounted)
- Site Plan showing site amenities, fencing, trash, bike parking, etc. (if applicable)
- PD text and Letter of Intent (if applicable)
- Samples of the exterior building materials
- Proposed sign areas and types (if applicable)

## 4. Signage Approval (*Comprehensive Design Review (CDR), Sign Modifications, and Sign Exceptions (per Sec. 31.043(3))*

- Locator Map
- Letter of Intent (a summary of how the proposed signage is consistent with the CDR or Signage Modifications criteria is required)
- Contextual site information, including photographs of existing signage both on site and within proximity to the project site
- Site Plan showing the location of existing signage and proposed signage, dimensioned signage setbacks, sidewalks, driveways, and right-of-ways
- Proposed signage graphics (fully dimensioned, scaled drawings, including materials and colors, and night view)
- Perspective renderings (emphasis on pedestrian/automobile scale viewsheds)
- Illustration of the proposed signage that meets [Ch. 31, MGO](#) compared to what is being requested
- Graphic of the proposed signage as it relates to what the [Ch. 31, MGO](#) would permit

## 5. Required Submittal Materials

### Application Form

- A completed application form is required for each UDC appearance. For projects also requiring Plan Commission approval, applicants must also have submitted an accepted application for Plan Commission consideration prior to obtaining any formal action (Initial or Final Approval) from the UDC.

### Letter of Intent

- If the project is within an Urban Design District, a summary of how the development proposal addresses the district criteria is required.
- For signage applications, a summary of how the proposed signage is consistent with the applicable Comprehensive Design Review (CDR) or Signage Modification review criteria is required.

### Development Plans (Refer to checklist on Page 4 for plan details)

### Filing Fee (Refer to Section 7 (below) for a list of application fees by request type)

### Electronic Submittal

- Complete electronic submittals must be received prior to the application deadline before an application will be scheduled for a UDC meeting. Late materials will not be accepted. All plans must be legible and scalable when reduced. Individual PDF files of each item submitted should be submitted via email to [UDCappllications@cityofmadison.com](mailto:UDCappllications@cityofmadison.com). The email must include the project address, project name, and applicant name.
- Email Size Limits. Note that an individual email cannot exceed 20MB and it is the responsibility of the applicant to present files in a manner that can be accepted. Applicants who are unable to provide the materials electronically should contact the Planning Division at (608) 266-4635 for assistance.

### Notification to the District Alder

- Please provide an email to the District Alder notifying them that you are filing this UDC application. Please send this as early in the process as possible and provide a copy of that email with the submitted application.

## 6. Applicant Declarations

1. Prior to submitting this application, the applicant is required to discuss the proposed project with Urban Design Commission staff. This application was discussed with \_\_\_\_\_ on \_\_\_\_\_.
2. The applicant attests that all required materials are included in this submittal and understands that if any required information is not provided by the application deadline, the application will not be placed on an Urban Design Commission agenda for consideration.

Name of applicant \_\_\_\_\_ Relationship to property \_\_\_\_\_

Authorizing signature of property owner \_\_\_\_\_ Date \_\_\_\_\_

## 7. Application Filing Fees

Fee payments are due by the submittal date. Payments received after the submittal deadline may result in the submittal being scheduled for the next application review cycle. Fees may be paid in-person, via US Mail, or City drop box. If mailed, please mail to: *City of Madison Building Inspection, P.O. Box 2984, Madison, WI 53701-2984*. The City's drop box is located outside the Municipal Building at 215 Martin Luther King, Jr. Blvd. on the E Doty Street side of the building. Please make checks payable to *City Treasurer*, and include a completed application form or cover letter indicating the project location and applicant information with all checks mailed or submitted via the City's drop box.

Please consult the schedule below for the appropriate fee for your request:

Urban Design Districts: \$350 (*per [§33.24\(6\) MGO](#)*).

Minor Alteration in the Downtown Core District (DC) or Urban Mixed-Use District (UMX) : \$150 (*per [§33.24\(6\)\(b\) MGO](#)*)

Comprehensive Design Review: \$500 (*per [§31.041\(3\)\(d\)\(1\)\(a\) MGO](#)*)

Minor Alteration to a Comprehensive Sign Plan: \$100 (*per [§31.041\(3\)\(d\)\(1\)\(c\) MGO](#)*)

All other sign requests to the Urban Design Commission, including, but not limited to: appeals from the decisions of the Zoning Administrator, requests for Sign Modifications (of height, area, and setback), and additional sign code approvals: \$300 (*per [§31.041\(3\)\(d\)\(2\) MGO](#)*)

A filing fee is not required for the following project applications if part of the combined application process involving both Urban Design Commission and Plan Commission:

- Project in the Downtown Core District (DC), Urban Mixed-Use District (UMX), or Mixed-Use Center District (MXC)
- Project in the Suburban Employment Center District (SEC), Campus Institutional District (CI), or Employment Campus District (EC)
- Planned Development (PD): General Development Plan (GDP) and/or Specific Implementation Plan (SIP)
- Planned Multi-Use Site or Residential Building Complex



Department of Transportation

## Metro Transit

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1245 East Washington Avenue, Suite 201  
Madison, Wisconsin 53703  
Administration: (608) 266-4904  
Fax: (608) 267-8778  
Customer Service: (608) 266-4466  
[mymetrobus@cityofmadison.com](mailto:mymetrobus@cityofmadison.com)  
[www.mymetrobus.com](http://www.mymetrobus.com)

February 13, 2022

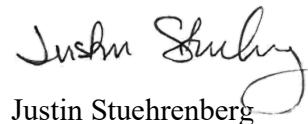
To: The Urban Design Commission – City of Madison  
cc: Tom Lynch, City of Madison  
Mike Cechvala, City of Madison  
Graham Carey, careyBRT

**Subject: 432 S. Junction Road Land Use Application – Bus Rapid Transit Junction Road Terminal Requesting Initial and Final Approval**

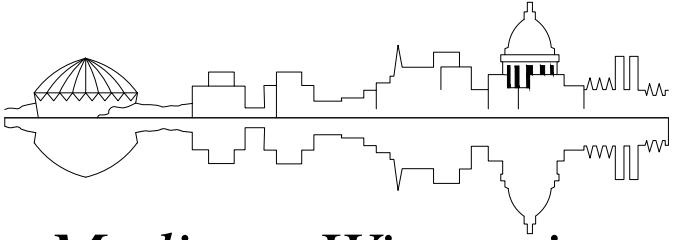
The proposed East-West Bus Rapid Transit project is a roughly 15 mile corridor from the proposed Junction Road Terminal Terminal at Mineral Point Road and Junction Road to the proposed East Springs Station near East Towne. The project includes 31 stations with level boarding, off-board fare equipment, enhanced shelters, real-time bus arrival information, and security cameras; as well as new bus lanes and other transit priority treatments, 46 new battery-electric buses, electric bus charging infrastructure, and other support facilities.

The Junction Road Terminal parcel at 432 S Junction Road is the focus of this application. The parcel will be divided into a transit area, a park and ride lot, and a stormwater management area. The transit area includes two buildings – one for operator restrooms and one for electric bus charging infrastructure – as well as space for three 60-foot BRT buses and four standard 40-foot buses, three BRT platforms, two BRT shelters, two standard Metro shelters, and two overhead vehicle chargers. The park and ride lot will have 85 parking spaces, including five accessible and several electric vehicle ready stalls. The stormwater basins will meet the City's stormwater requirements. The stormwater management report has been reviewed by the city and the final report will be submitted in February. Other amenities, including bike racks, bike canopy, and landscaping will be included at the site. The parcel was rezoned to SE (Suburban Employment) on December 6, 2022 (Legistar File 74310). This use is compatible with SE zoning.

Sincerely,

  
Justin Stuehrenberg

Metro Transit General Manager



*Madison, Wisconsin*

INDEX OF SHEETS

SHEET NO. 1	TITLE
SHEET NO. G1 - G3	GENERAL NOTES
SHEET NO. O1 - O5	OVERVIEW
SHEET NO. TS1 - TS12	TYPICAL SECTIONS
SHEET NO. CD1 - CD24	DETAILS
SHEET NO. CRI-W - CR19E	CURB RAMP DETAILS
SHEET NO. R0W - R27W	REMOVAL PLAN (WEST)
SHEET NO. P0W - P27W	SITE PLAN (WEST)
SHEET NO. G0W - P27W	GRADING PLAN (WEST)
SHEET NO. R1E - R36E	REMOVAL PLAN (EAST)
SHEET NO. P1E - P36E	SITE PLAN (EAST)
SHEET NO. G1E - G36E	GRADING PLAN (EAST)
SHEET NO. P37-E - P47-E	STORM SEWER SCHEDULE
SHEET NO. SD1-S32E	TRAFFIC SIGNALS
SHEET NO. E1A - E38	ELECTRICAL PLAN
SHEET NO. L1A - L34	LIGHTING PLAN
SHEET NO. CP01 - CP19	COMMUNICATION PLAN
SHEET NO. TC1 - TC75	TRAFFIC CONTROL PLAN
SHEET NO. PMD1 - PMD2	PAVEMENT MARKING DETAILS
SHEET NO. MR1W - MR34W	PAVEMENT MARKING REMOVALS (WEST)
SHEET NO. MR1E - MR25E	PAVEMENT MARKING REMOVALS (EAST)
SHEET NO. M1W - M34W	PAVEMENT MARKING PLANS (WEST)
SHEET NO. M1E - M25E	PAVEMENT MARKING PLANS (EAST)
SHEET NO. SR1W - SR34W	EXISTING SIGNING/REMOVALS (WEST)
SHEET NO. SR1E - SR25E	EXISTING SIGNING/REMOVALS (EAST)
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SHEET NO. SP1E - SP25E	PERMANENT SIGNING (EAST)
SHEET NO. PSD1 - PSD4	PERMANENT SIGNING DETAILS
SHEET NO. S-S100 - S-S401	STRUCTURAL DETAILS
SHEET NO. A100 - A423	ARCHITECTURAL
SHEET NO. L201	LANDSCAPING
SHEET NO. G001 - G026	COMFORT STATIONS
SHEET NO. S001 - S900	STRUCTURAL
SHEET NO. A001 - P902	ARCHITECTURAL
SHEET NO. MQ1 - MQOSS1	MISCELLANEOUS QUANTITIES

PLOT SCALE: 1:1

PLOT NAME: --

REV. DATE: 10/12/2022 2:20 PM

ORIGINATOR: CITY\_OF\_MADISON

# CITY OF MADISON

## CITY ENGINEERING DIVISION

## DEPARTMENT OF PUBLIC WORKS

### PLAN OF PROPOSED IMPROVEMENT

#### EAST-WEST BUS RAPID TRANSIT SET 1 OF 11

CITY PROJECT NO. 13925

CONTRACT NO. 8716

FINAL PLANS  
OCTOBER 5, 2022

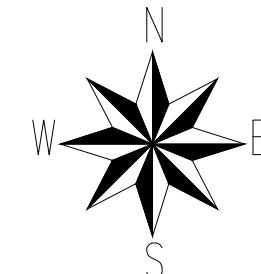
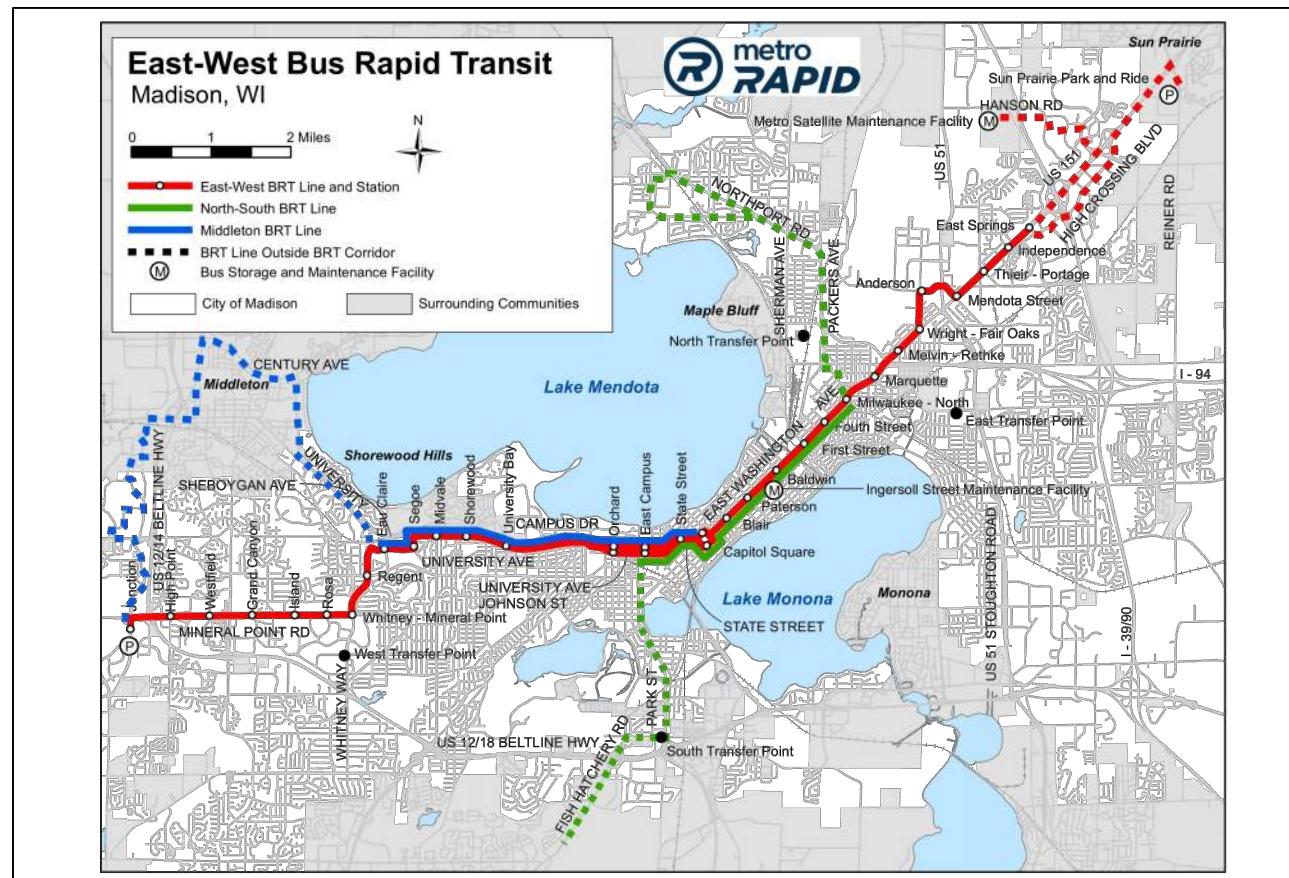
PUBLIC IMPROVEMENT PROJECT  
APPROVED

BY THE COMMON COUNCIL  
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN  
APPROVED BY:

City Engineer

Date



CONVENTIONAL SIGNS  
FIELD VERIFY ALL UTILITY LOCATIONS

COMBUSTIBLE FLUIDS



BURIED ELECTRIC

E

FIBER OPTIC

FO

GAS

G

OVERHEAD ELECTRIC

OH

POWER POLE

□

STORM SEWER

SS

SANITARY SEWER

SAN

COMMUNICATIONS

TV

WATER

W

**Existing Site – 432 S. Junction Rd**



**Z →**

REVISED 11/23/2022

→  $z$

**ICE AGE JUNCTION PATH**

**PROPOSED INFILTRATION CELL #1**

**JUNCTION ROAD**

**SITE PLAN LEGEND**

- REINFORCED CONCRETE PLATFORM TYPE X
- CONCRETE PLATFORM RAMP (SLOPED WALKWAY)
- CONCRETE PAVEMENT X-INCH, SEE GENERAL NOTES FOR STRUCTURE
- X-INCH HMA PAVEMENT, SEE GENERAL NOTES FOR STRUCTURE
- CONCRETE PAVEMENT X-INCH, COLORING CONCRETE WISDOT RED
- CONCRETE SIDEWALK 5-INCH
- CONCRETE SIDEWALK 7-INCH
- TOPSOIL, SEEDING & EROSION MAT URBAN CLASS I TYPE A
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- CLEAR AREA
- LOCAL ROUTE BOARDING AREA
- CONCRETE SIDEWALK X-INCH, STAMPING COLORED CONCRETE
- TREES
- PLANT SYMBOL
- SEE STORM SEWER SCHEDULE

SITE PLAN: WESTERN TERMINAL

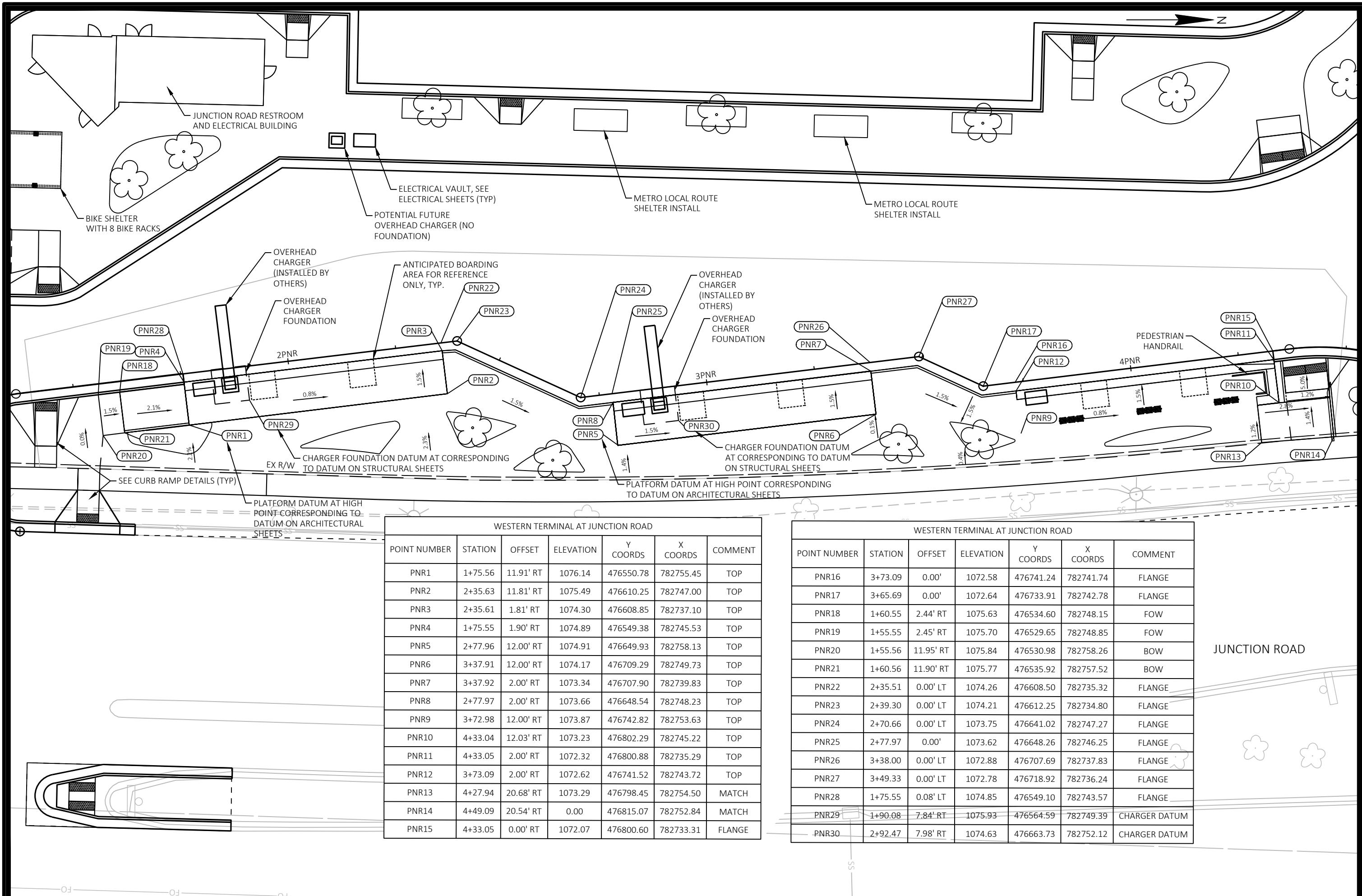
BUS RAPID TRANSIT

**CITY OF MADISON**

60631225P

P-0W

FILE NAME : C:\PWORKING\AE\COM\_DS20\_NA\_2019\VINCE.CHRISTENSEN@AE.COM\DM\8634\8\0502008-PN.DWG



60631225F  
DORMS

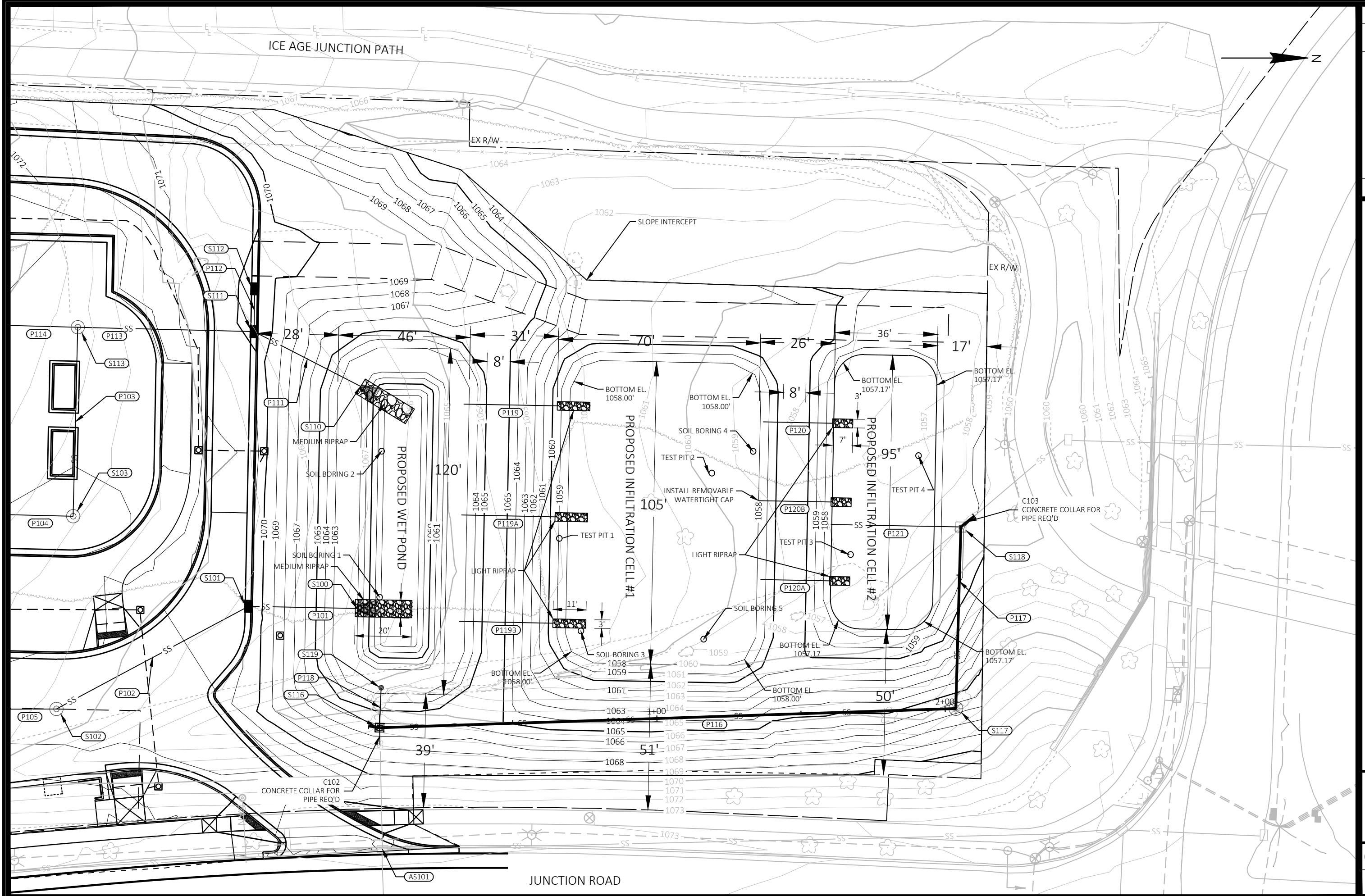
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 606312256

CONTINUOUS

A large, rectangular sign with a black border. The top half contains the text "GRADING PLAN: WESTERN TERMINAL STA" in white, sans-serif capital letters. The bottom half contains "BUS RAPID TRANSIT" in white, sans-serif capital letters. The sign is mounted on a metal pole and is set against a dark, overcast sky.

A circular seal of the state of Wisconsin, featuring a central figure and text around the border.

LAST PLOT DATE - 2022-10-05  
LAYOUT NAME - Plan 1 IN 50 FT



MARK	ADDENDUM 1	11/16/22	VTC
Designed By: AECOM	REVISION	DATE	BY
60631225P	Date: 2023-01-26	Scale: 1IN:30FT	

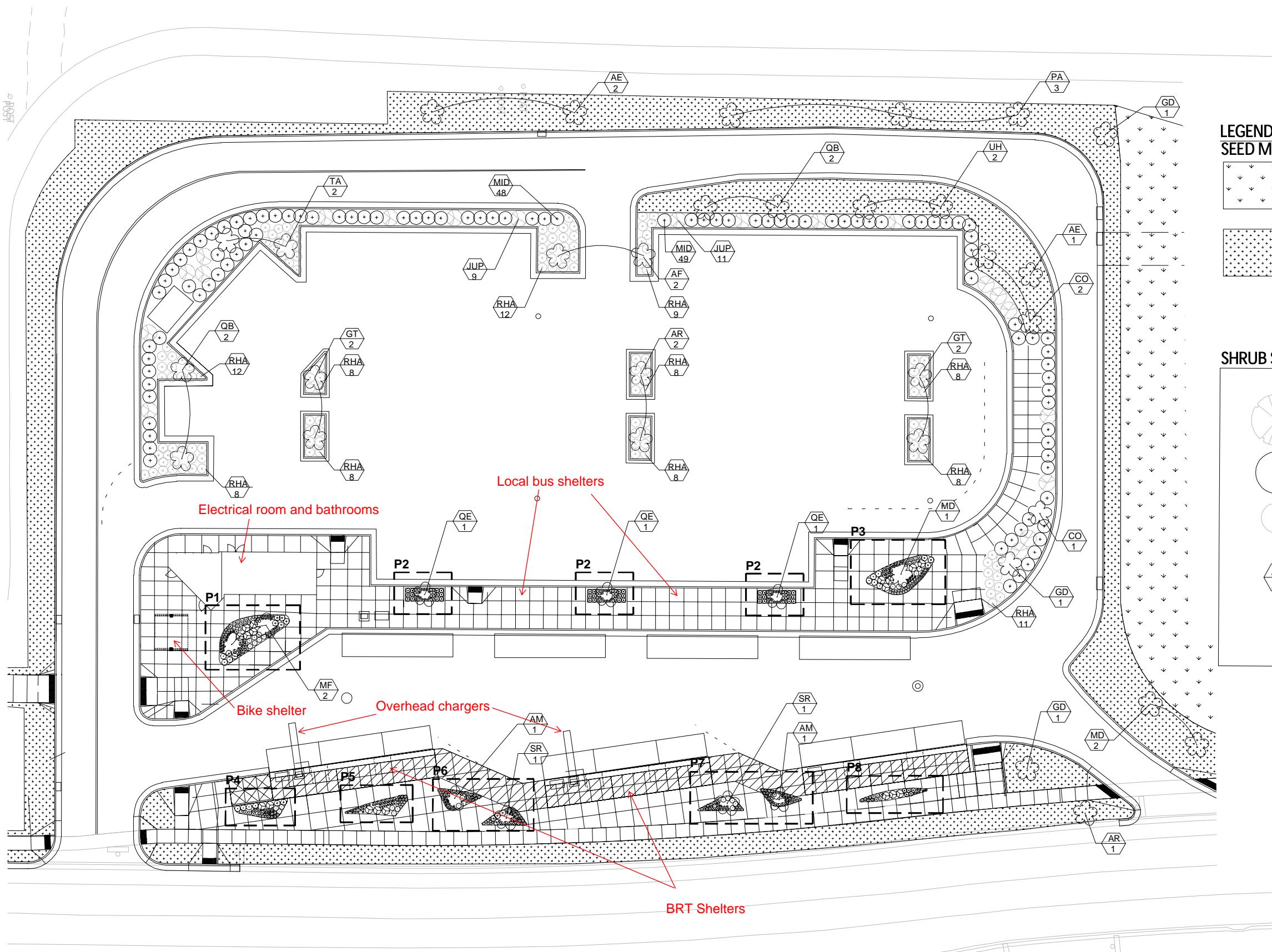
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CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

GRADING AND DRAINAGE PLAN: WESTERN TERMINAL THIS PAGE IS TRANSIT



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G-0WG

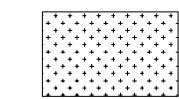
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LEGEND  
SEED MIXTURE



SHORT PRAIRIE SEED MIX FOR MEDIUM SOILS  
(STORMWATER MANAGEMENT SEEDING)



SUN TERRACE SEED MIX, EROSION  
CONTROL MAT URBAN CLASS I  
TYPE A (STANDARD SPEC 207.2)

SHRUB SYMBOLS

JUP	COS	NEF
MID	POF	SES
RHA	PEA	COL
	SPH	ECP
	SCS	RUH
	KOM	AST
	DAP	LIS

AB ← PLANT SYMBOL  
XX ← QUANTITY



60631225P

L-01

LANDSCAPE PLAN: WESTERN TERMINAL

BUS RAPID TRANSIT

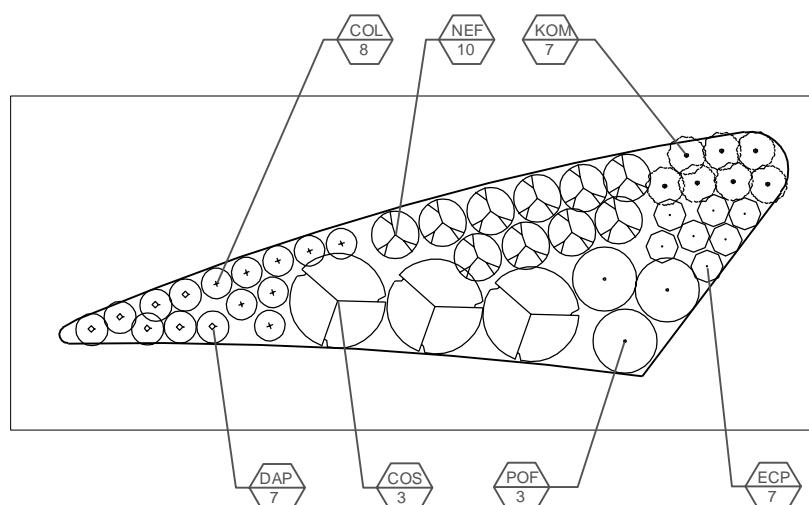
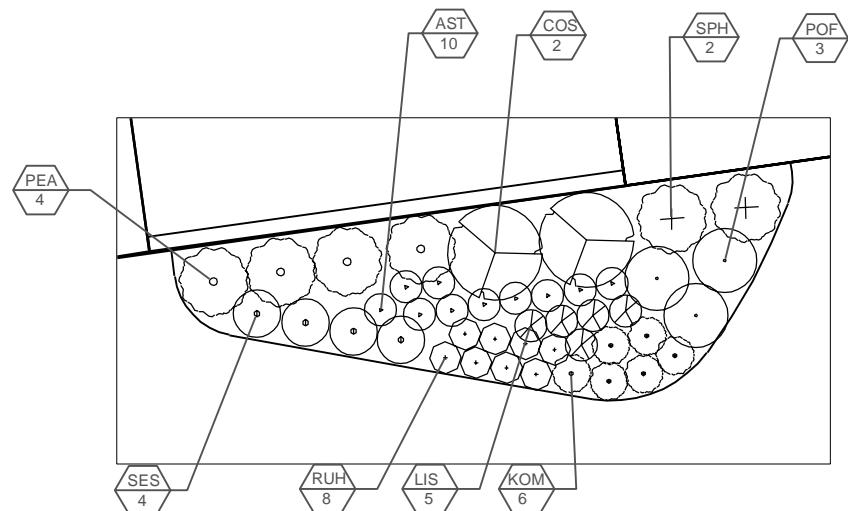
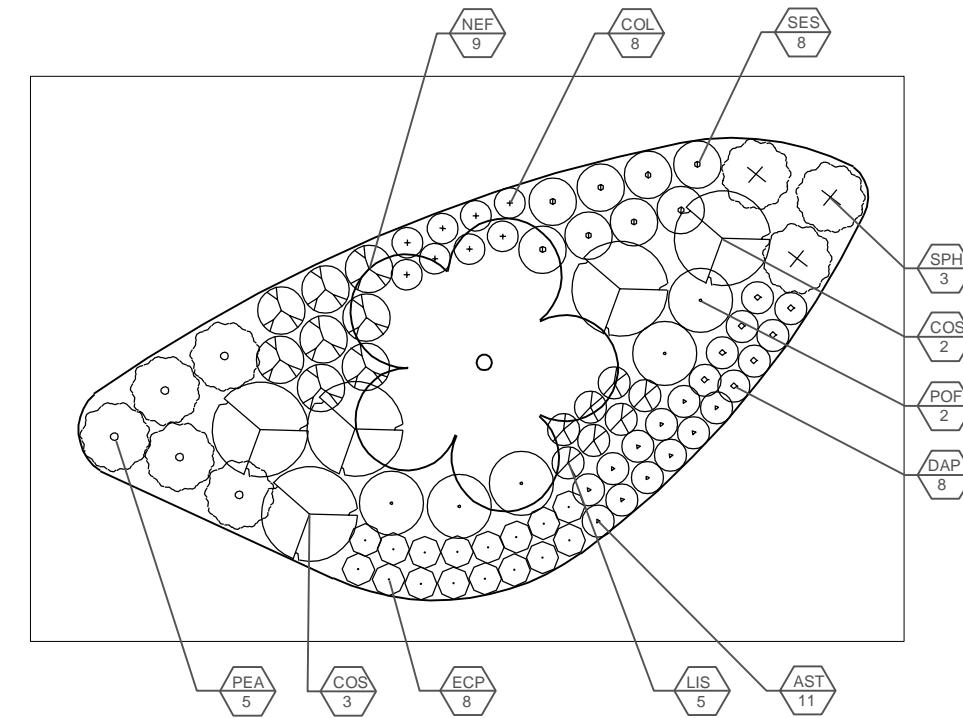
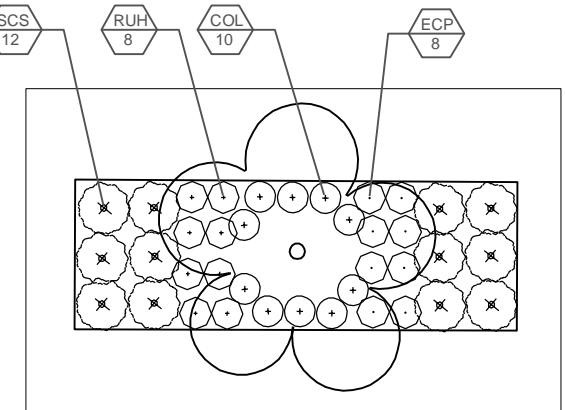
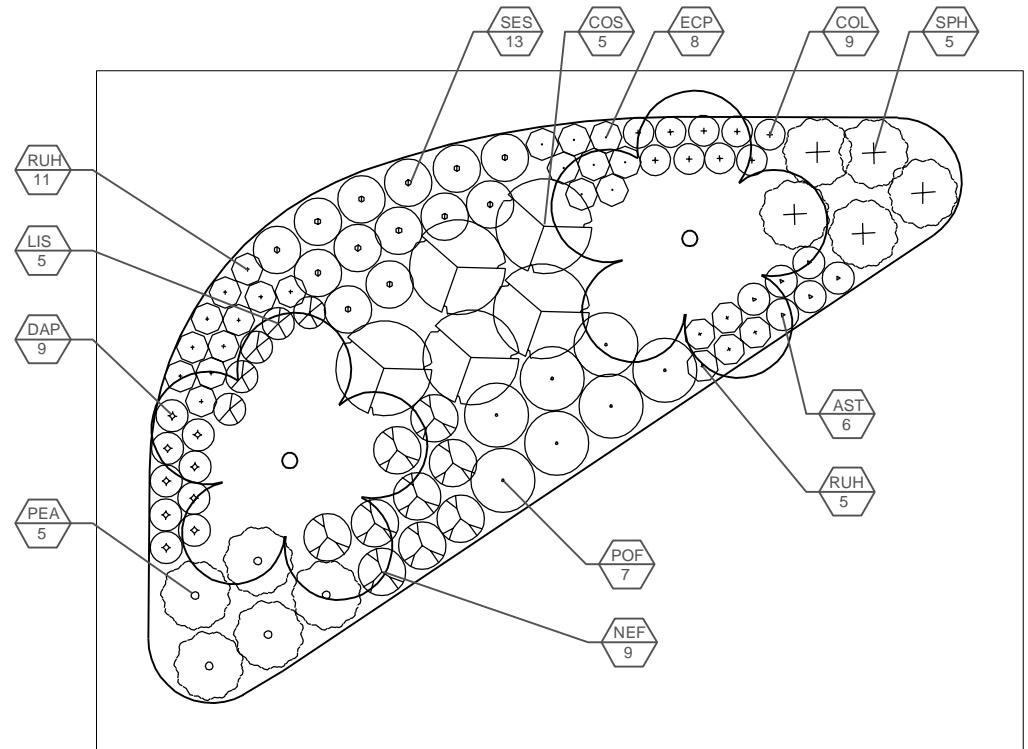
CITY OF MADISON

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

MARK	REVISION	DATE	BY
60631225P			
Designed By: AECOM	Date: 2022-10-13		
60631225P			



MARK	60631225P	REVISION	DATE	BY
Designed By: AECOM		2022-09-28	Scale:	

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

LANDSCAPE PLAN: WESTERN TERMINAL

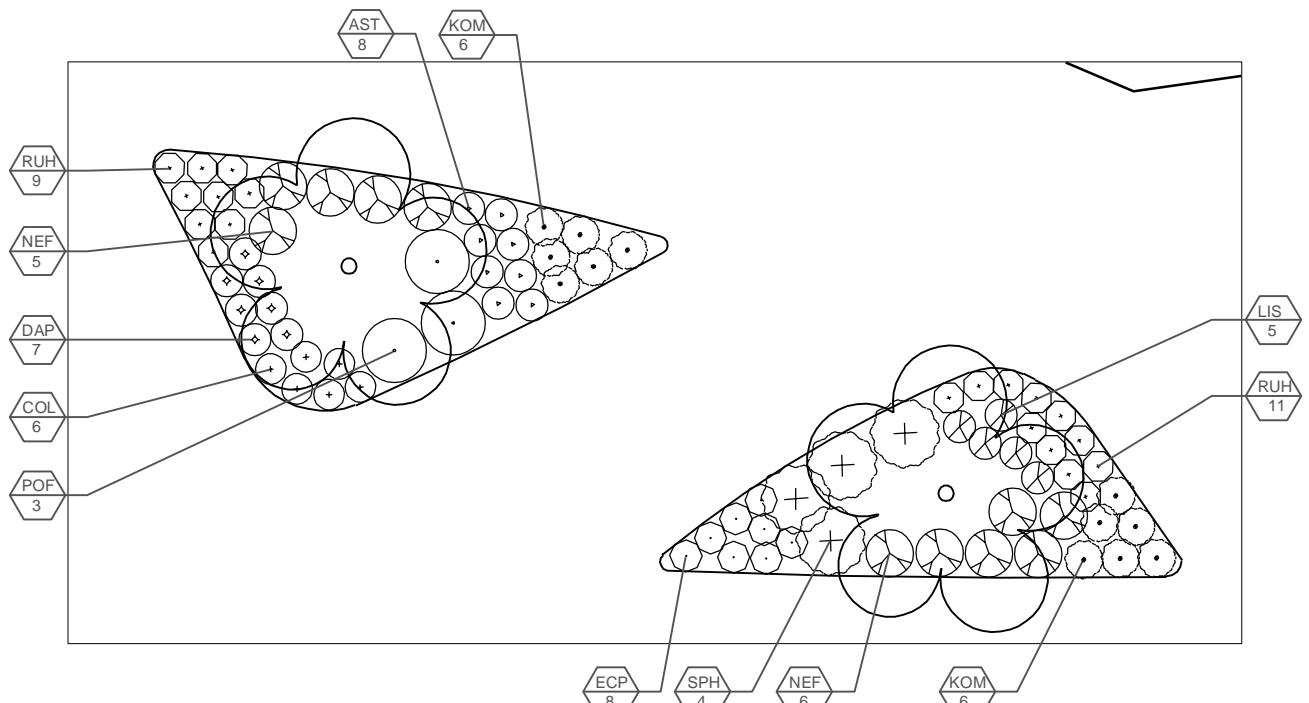
BUS RAPID TRANSIT

**CITY OF MADISON**



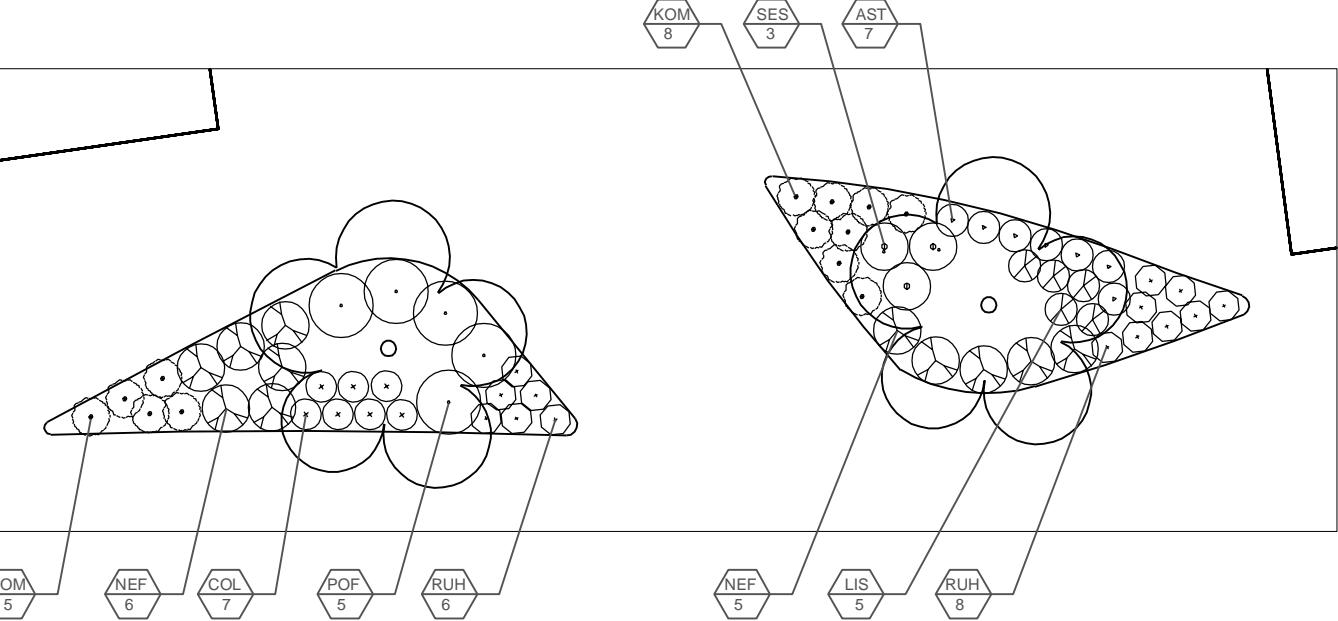
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L-02



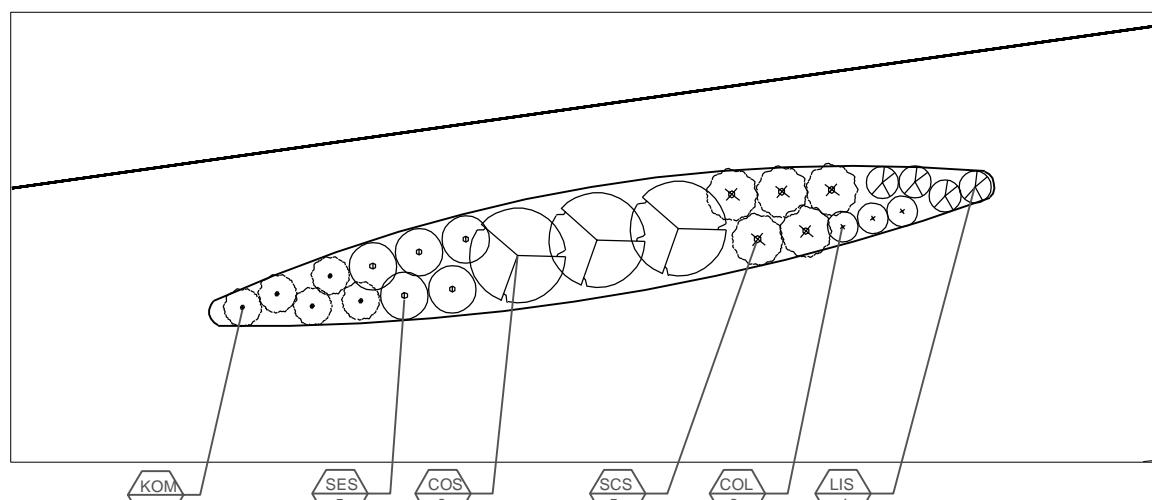
PLANTING PLAN - PLANTER P6

Scale: N.T.S.



PLANTING PLAN - PLANTER P7

Scale: N.T.S.



PLANTING PLAN - PLANTER P8

Scale: N.T.S.

MARK	60631225P	REVISION		DATE	BY
Designed By: AECOM Date: 2022-09-28					

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

LANDSCAPE PLAN: WESTERN TERMINAL

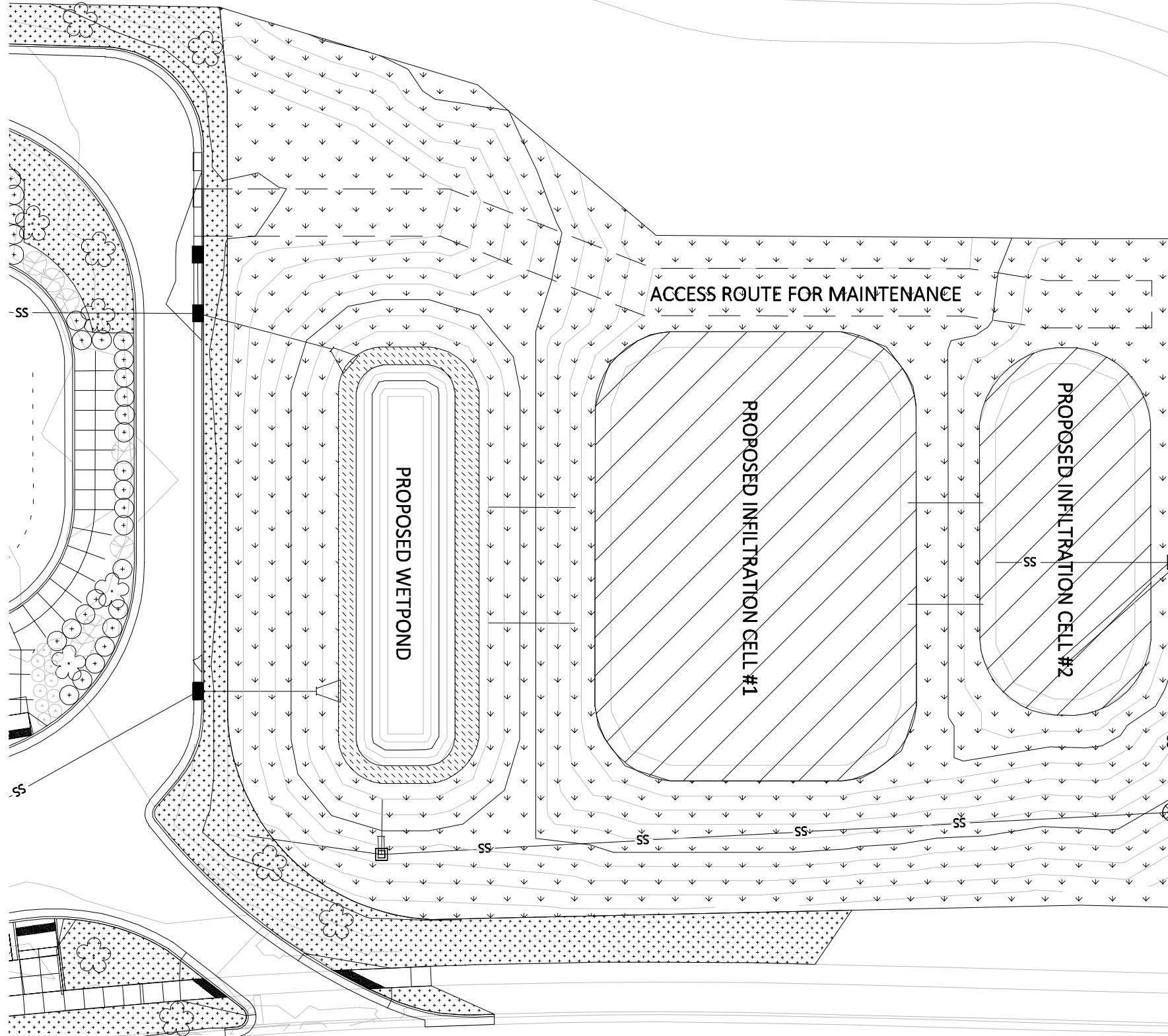
BUS RAPID TRANSIT

**CITY OF MADISON**

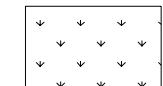


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L-03



## LEGEND SEED MIXTURE

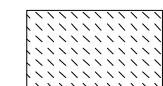


## SHORT PRAIRIE SEED MIX FOR MEDIUM SOILS (STORMWATER MANAGEMENT SEEDING)



SUN TERRACE SEED MIX, EROSION  
CONTROL MAT URBAN CLASS I  
TYPE A (STANDARD SPEC 207.2)

## PLUG MIX



## WETLAND EMERGENT PLUG MIX PLANTING

## PLUG MIX IN SEED MIXTURE



# INFILTRATION PLUG MIX PLANTING IN INFILTRATION SEED MIX FOR SANDY SOILS (STORMWATER MANAGEMENT SEEDING)

## NOTES

**NOTES**

1. WETLAND EMERGENT PLUG PLANTING SHOULD BE CONDUCTED AT THE FINAL PHASE OF CONSTRUCTION AFTER WET POND NO LONGER BEING USED FOR TEMPORARY SEDIMENTATION BASIN.
2. SEEDING AND PLUGGING IN INFILTRATION CELLS TAKE PLACE AFTER TEMPORARY SEDIMENTATION BASIN IS ESTABLISHED AND BYPASS STORM SEWERS ARE ACTIVE.
3. EXISTING TREES OUTSIDE EDGE OF STORM WATER MANAGEMENT AREA SHALL BE PROTECTED. THE CONTRACTOR SHALL INSTALL CONSTRUCTION FENCE AROUND THE ENTIRE STORM WATER MANAGEMENT AREA AND SHALL USE CONSTRUCTION METHODS NOT TO DAMAGE EXISTING TREES' TRUNK AND ROOT SYSTEM.

60631225P

L-07

## PLANT LISTS

QUANTITY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION	SPACING
<b>SHADE TREE</b>						
6	AE	<i>Aesculus glabra</i> 'JN Select'	Early Glow Buckeye	2 inch	B&B	
5	AF	<i>Acer freemanii</i> 'Jeffersred' Autumn Blaze	Autumn Blaze Freeman Maple	2 inch	B&B	
6	AR	<i>Acer miyabei</i> 'Morton'	State Street Miyabe Maple	2 inch	B&B	
5	CO	<i>Celtis occidentalis</i>	Hackberry	2 inch	B&B	
7	GD	<i>Gymnocladus dioica</i>	Espresso' Kentucky Coffee Tree	2 inch	B&B	
6	GT	<i>Gleditsia triacanthos</i> Skycole	Skyline Thornless Honey Locust	2 inch	B&B	
4	PA	<i>Platanus x acerifolia</i> 'Morton Circle'	Exclamation London Planetree	2 inch	B&B	
8	QB	<i>Quercus bicolor</i>	Swamp White Oak	2 inch	B&B	
6	QE	<i>Quercus muehlenbergii</i>	Chinquapin Oak	2 inch	B&B	
11	TA	<i>Tilia americana</i> 'McKSentry'	American Sentry Linden	2 inch	B&B	
6	UA	<i>Ulmus americana</i> 'Princeton'	Princeton Elm	2 inch	B&B	
6	UH	<i>Ulmus</i> 'New Horizon'	New Horizon Elm	2 inch	B&B	
<b>ORNAMENTAL TREE</b>						
3	AM	<i>Amelanchier x grandiflora</i> 'Autumn Brilliance'	'Autumn Brilliance' Apple Serviceberry	2 inch	B&B	
4	MD	<i>Malus</i> 'Donald Wyman'	Flowering Crabapple	2 inch	B&B	
5	MF	<i>Malus</i> 'Prairie Fire'	Prairie Fire Crabapple	2 inch	B&B	
4	SR	<i>Syringa reticulata</i> 'Ivory Silk'	Japanese Tree Lilac	2 inch	B&B	
<b>SHRUB</b>						
18	COS	<i>Cornus stolonifera</i> 'Farrow'	Artic Fire Red-Osier Dogwood	1 gal	potted	
20	JUP	<i>Juniperus x pfitzeriana</i> "Sea Green"	Sea Green Juniper	1 gal	potted	
43	KOM	<i>Koeleria macrantha</i>	June Grass	1 gal	potted	
97	MID	<i>Microbiota decussata</i>	Creeping Siberian Cypress	1 gal	potted	
59	NEF	<i>Calamintha nepeta</i>	Calamint	1 gal	potted	
100	RHA	<i>Rhus aromatica</i> 'Gro-Low'	Gro-Low Fragrant Sumac	1 gal	potted	
<b>PERENNIAL &amp; NATIVE GRASS</b>						
42	AST	<i>Asclepias tuberosa</i>	Butterfly Milkweed	1 gal	potted	1'-0" O.C.
71	COL	<i>Coreopsis lanceolata</i>	Sand Coreopsis	1 gal	potted	1'-0" O.C.
31	DAP	<i>Dalea purpurea</i>	Purple Prarie Clover	1 gal	potted	1'-0" O.C.
55	ECP	<i>Echinacea purpurea</i>	Purple Coneflower	1 gal	potted	1' O.C.
29	LIS	<i>Liatris spicata</i>	Blazing Star	1 gal	potted	1'-0" O.C.
14	PEA	<i>Pennisetum alopecuroides</i> 'Hamein'	Dwarf Fountain Grass	1 gal	potted	2.0' O.C.
23	POF	<i>Baptisia australis</i>	Blue False Indigo	1 gal	potted	2'-0" O.C.
82	RUH	<i>Rudbeckia hirta</i>	Black-eyed Susan	1 gal	potted	1' O.C.
41	SCS	<i>Schizachyrium scoparium</i> 'The Blues'	Little Bluestem	1 gal	potted	1.5' O.C.
33	SES	<i>Sedum spectabile</i> 'Autumn Joy'	Autumn Joy Sedum	1 gal	potted	1.5' O.C.
14	SPH	<i>Sporobolus heterolepis</i>	Prairie dropseed	1 gal	potted	2'-0" O.C.

**City of Madison Standard Specification Article 209.4(g):**  
All plants shall be mulched with either shredded hardwood bark or wood chips over the root system from two (2) inches to a maximum depth of 4 inches immediately after planting. Mulching material shall be pulled back one (1) to two (2) inches away from the trunk of the tree. Mulch shall not be in contact with the trunks.

MARK	REVISION	DATE	BY
	Designed By AECOM	Date: 2022-01-13	Seale:

60631225F  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

LANDSCAPE PLAN: PLANT LIST

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BUS RAPID TRANSIT

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**CITY OF MADISON**



60631225F

L-08

## STORMWATER MANAGEMENT SEEDING AND PLUG MIX LIST

## **SHORT PRAIRIE SEED MIX - MESIC SOIL**

<b>Specification:</b> Custom Mixture		
<b>Description:</b> Native species, Grasses and Forbs		
<b>Application Rate:</b> 15lb/acre		
<b>Nurse Crop:</b> Apply annual oats for spring seeding before June 15, or if the engineer allows seeding between June 15 and October 15. For fall seeding after October 15, use winter wheat, or annual ryegrass at 0.8lbs/1,000 sf. prior to ECB.		
<b>Erosion Control:</b> Install erosion control blanket (ECB) over new seed bed		
Common Name	Scientific Name	Oz/Acre
<b>Grasses and Sedges</b>		
Big Bluestem	<i>Andropogon gerardii</i>	4.00
Side Oats Grama	<i>Bromus ciliatus</i>	30.00
Canada Wildrye	<i>Elymus canadensis</i>	32.00
Switch Grass	<i>Panicum virgatum</i>	2.00
Little Bluestem	<i>Schizachyrium scoparium</i>	32.00
Indian Grass	<i>Sorghastrum nutans</i>	8.00
Prairie Dropseed	<i>Sporobolus heterolepis</i>	12.00
<b>Substitute Grasses and Sedges</b>		
Canada Blue Joint Grass	<i>Calamagrostis canadensis</i>	X
Fringed Sedge	<i>Carex crinita</i>	X
Lance-Fruited Sedge	<i>Carex scoparia</i>	X
Slender Wheatgrass	<i>Elymus trachycaulus</i>	X
<b>Forbs</b>		
Lavender Hyssop	<i>Agastache foeniculum</i>	1.00
Nodding Pink Onion	<i>Allium cernuum</i>	8.00
Marsh Milkweed	<i>Asclepias incarnata</i>	12.00
Common Milkweed	<i>Asclepias syriaca</i>	5.00
Sky Blue Aster	<i>Aster azureus</i>	2.00
Smooth Aster	<i>Aster laevis</i>	2.00
New England Aster	<i>Aster novae-angliae</i>	2.00
White False Indigo	<i>Baptisia alba</i>	8.00
Purple Coneflower	<i>Echinacea purpurea</i>	8.00
Rattlesnake Master	<i>Eryngium yuccifolium</i>	8.00
Ox-Eye Sunflower	<i>Helianthus heterothoides</i>	3.00
Prairie Blazingstar	<i>Liatris pycnostachya</i>	8.00
Bergamot	<i>Monarda fistulosa</i>	1.00
Smooth Penstemon	<i>Penstemon digitalis</i>	2.00
Yellow Coneflower	<i>Ratibida pinnata</i>	5.00
Black Eyed Susan	<i>Rudbeckia hirta</i>	4.00
Sweet Black Eyed Susan	<i>Rudbeckia subtomentosa</i>	2.00
Brown Eyed Susan	<i>Rudbeckia triloba</i>	2.00
Wild Senna	<i>Senna hebecarpa</i>	6.00
Compassplant	<i>Silphium laciniatum</i>	6.00
Prairie Dock	<i>Silphium terebinthinaceum</i>	4.00
Stiff Goldenrod	<i>Solidago rigida</i>	1.00
Ohio Spiderwort	<i>Tradescantia ohiensis</i>	6.00
Blue Vervain	<i>Verbena hastata</i>	1.00
Ironweed	<i>Vernonia fasciculata</i>	4.00
Culver's Root	<i>Veronicastrum virginicum</i>	1.00
Golden Alexanders	<i>Zizia aurea</i>	8.00
<b>Substitute Forbs</b>		
Canada Anemone	<i>Anemone canadensis</i>	X
Canada Milkvetch	<i>Astragalus canadensis</i>	X
Western Sunflower	<i>Helianthus occidentalis</i>	X
Showy Goldenrod	<i>Solidago speciosa</i>	X
Golden Alexanders	<i>Zizia aurea</i>	X

## **WETLAND EMERGENT PLUG MIX**

Specification: Custom Mixture, 4" Deep Plug		
Description: Native species. Grasses, Sedges, Rushes and Forbs		
Application: Plugs planted at 18" maximum spacing		
Common Name	Scientific Name	% of Total Plugs
<b>Grasses, Sedge and Rushes</b>		
Blue Joint Grass	<i>Calamagrostis canadensis</i>	2%
Bristly Sedge	<i>Carex comosa</i>	8%
Fringed Sedge	<i>Carex crinita</i>	4%
Porcupine Sedge	<i>Carex hystericina</i>	8%
Reed Manna Grass	<i>Glyceria grandis</i>	4%
Fowl Manna Grass	<i>Glyceria striata</i>	4%
Common Rush	<i>Juncus effusus</i>	2%
Rice Cut Grass	<i>Leersia oryzoides</i>	6%
Hard-Stem Bulrush	<i>Scirpus acutus</i>	2%
Dark-Green Bulrush	<i>Scirpus atrovirens</i>	3%
Wool Grass	<i>Scirpus cyperinus</i>	2%
River Bulrush	<i>Scirpus fluviatilis</i>	4%
Red Bulrush	<i>Scirpus pendulus</i>	2%
Great Bulrush	<i>Scirpus validus</i>	4%
Prairie Cordgrass	<i>Spartina pectinata</i>	10%
<b>Forbs</b>		
Sweet Flag	<i>Acorus calamus</i>	10%
Mud Plantain	<i>Alisma subcordatum</i>	4%
Southern Blue Flag Iris	<i>Iris virginica shrevei</i>	7%
Monkey Flower	<i>Mimulus ringens</i>	2%
Common Arrowhead	<i>Sagittaria latifolia</i>	4%
Great Bur Reed	<i>Sparganium eurycarpum</i>	8%

## INFILTRATION PLUG MIX

Specification: Custom Mixture, 4" Deep Plug		
Description: Native species, Grasses and Forbs		
Application: Plugs planted at 18" maximum spacing		
Common Name	Scientific Name	% of Total Plugs
<b>Grasses and Sedges</b>		
Big Bluestem	<i>Andropogon gerardii</i>	2%
Fringed Brome	<i>Bromus ciliatus</i>	6%
Bebb's Sedge	<i>Carex bebbii</i>	2%
Awl Fruited Sedge	<i>Carex stipata</i>	2%
Brown Fox Sedge	<i>Carex vulpinoidea</i>	2%
Canada Wildrye	<i>Elymus canadensis</i>	13%
Virginia Wild Rye	<i>Elymus virginicus</i>	13%
Switch Grass	<i>Panicum virgatum</i>	2%
Little Bluestem	<i>Schizachyrium scoparium</i>	7%
Indian Grass	<i>Sorghastrum nutans</i>	4%
Prairie Cordgrass	<i>Spartina pectinata</i>	2%
<b>Forbs</b>		
Nodding Pink Onion	<i>Allium cernuum</i>	2%
Marsh Milkweed	<i>Asclepias incarnata</i>	4%
Common Milkweed	<i>Asclepias syriaca</i>	2%
New England Aster	<i>Aster novae-angliae</i>	2%
White False Indigo	<i>Baptisia alba</i>	2%
Joe Pye Weed	<i>Eupatorium maculatum</i>	2%
Boneset	<i>Eupatorium perfoliatum</i>	2%
Ox-Eye Sunflower	<i>Heliopsis helianthoides</i>	2%
Prairie Blazingstar	<i>Liatris pycnostachya</i>	7%
Yellow Coneflower	<i>Ratibida pinnata</i>	2%
Black Eyed Susan	<i>Rudbeckia hirta</i>	2%
Sweet Black Eyed Susan	<i>Rudbeckia subtomentosa</i>	2%
Brown Eyed Susan	<i>Rudbeckia triloba</i>	2%
Wild Senna	<i>Senna hebecarpa</i>	3%
Prairie Dock	<i>Silphium terebinthinaceum</i>	2%
Ohio Spiderwort	<i>Tradescantia ohionensis</i>	2%
Ironweed	<i>Vernonia fasciculata</i>	2%
Golden Alexanders	<i>Zizia aurea</i>	3%

## **INFILTRATION SEED MIX FOR SANDY SOIL**

Specification: Custom Mixture		
Description: Native species, Grasses and Forbs		
Application Rate: 15lb/acre		
Common Name	Scientific Name	Oz/Acre
<b>Grasses and Sedges</b>		
Big Bluestem	<i>Andropogon gerardii</i>	4.00
Fringed Brome	<i>Bromus ciliatus</i>	16.00
Bebb's Sedge	<i>Carex bebbii</i>	6.00
Awl Fruited Sedge	<i>Carex stipata</i>	6.00
Brown Fox Sedge	<i>Carex vulpinoidea</i>	6.00
Canada Wildrye	<i>Elymus canadensis</i>	32.00
Virginia Wild Rye	<i>Elymus virginicus</i>	32.00
Switch Grass	<i>Panicum virgatum</i>	4.00
Little Bluestem	<i>Schizachyrium scoparium</i>	16.00
Indian Grass	<i>Sorghastrum nutans</i>	8.00
Prairie Cordgrass	<i>Spartina pectinata</i>	2.00
<b>Substitute Grasses and Sedges</b>		
Canada Blue Joint Grass	<i>Calamagrostis canadensis</i>	X
Fringed Sedge	<i>Carex crinita</i>	X
Lance-Fruited Sedge	<i>Carex scoparia</i>	X
<b>Forbs</b>		
Lavender Hyssop	<i>Agastache foeniculum</i>	1.00
Nodding Pink Onion	<i>Allium cernuum</i>	4.00
Marsh Milkweed	<i>Asclepias incarnata</i>	10.00
Common Milkweed	<i>Asclepias syriaca</i>	6.00
New England Aster	<i>Aster novae-angliae</i>	2.00
White False Indigo	<i>Baptisia alba</i>	6.00
Joe Pye Weed	<i>Eupatorium maculatum</i>	4.00
Boneset	<i>Eupatorium perfoliatum</i>	2.00
Sneezeweed	<i>Helenium autumnale</i>	2.00
Ox-Eye Sunflower	<i>Heliopsis helianthoides</i>	5.00
Prairie Blazingstar	<i>Liatris pycnostachya</i>	16.00
Bergamot	<i>Monarda fistulosa</i>	1.00
Yellow Coneflower	<i>Ratibida pinnata</i>	4.00
Black Eyed Susan	<i>Rudbeckia hirta</i>	4.00
Sweet Black Eyed Susan	<i>Rudbeckia subtomentosa</i>	3.00
Brown Eyed Susan	<i>Rudbeckia triloba</i>	3.00
Wild Senna	<i>Senna hebecarpa</i>	7.00
Rosinweed	<i>Silphium integrifolium</i>	1.00
Prairie Dock	<i>Silphium terebinthinaceum</i>	6.00
Stiff Goldenrod	<i>Solidago rigida</i>	1.00
Ohio Spiderwort	<i>Tradescantia ohioneis</i>	6.00
Blue Vervain	<i>Verbena hastata</i>	2.00
Ironweed	<i>Vernonia fasciculata</i>	4.00
Golden Alexanders	<i>Zizia aurea</i>	8.00
<b>Substitute Forbs</b>		
Swamp Aster	<i>Aster puniceus</i>	X
Wild Iris	<i>Iris shrevei</i>	X
Monkey Flower	<i>Mimulus ringens</i>	X
Mountain Mint	<i>Pycnanthemum virginianum</i>	X
Ohio Goldenrod	<i>Solidago ohioensis</i>	X
Riddell's Goldenrod	<i>Solidago riddellii</i>	X
Purple Meadow Rue	<i>Thalictrum dasycarpum</i>	X
Culver's Root	<i>Veronicastrum virginicum</i>	X

## SEEDING AND PLUG INSTALLATION NOTES

1. ALL SEEDING WORK SHALL BE PERFORMED IN ACCORDANCE WITH WISCONSIN DEPARTMENT OF TRANSPORTATION SPECIFICATION, SECTION 630. AND WISCONSIN DEPARTMENT OF NATURAL RESOURCES TECHNICAL STANDARD. INFILTRATION BASIN 1003.
2. RESTORE ALL AREAS DISTURBED DURING CONSTRUCTION. PROVIDE 4 INCHES OF TOP-SOIL AND SEED PER PLAN AND SEED MIX LIST. AVOID OVERSEEDING OR SPRAYING ONTO ADJACENT SURFACES. CLEAN AND REMOVE ALL OVER-SEEDING ONTO SUCH AREAS.
3. PLANT PLUGS IN A STAGGERED PATTERN, PARALLEL TO TOPOGRAPHY OR BOUNDARY.
4. PLANT INFILTRATION LUG MIX PRIOR TO PROVIDING INFILTRATION SEED MIX FOR SANDY SOIL AT THE BOTTOM OF INFILTRATION CELLS.



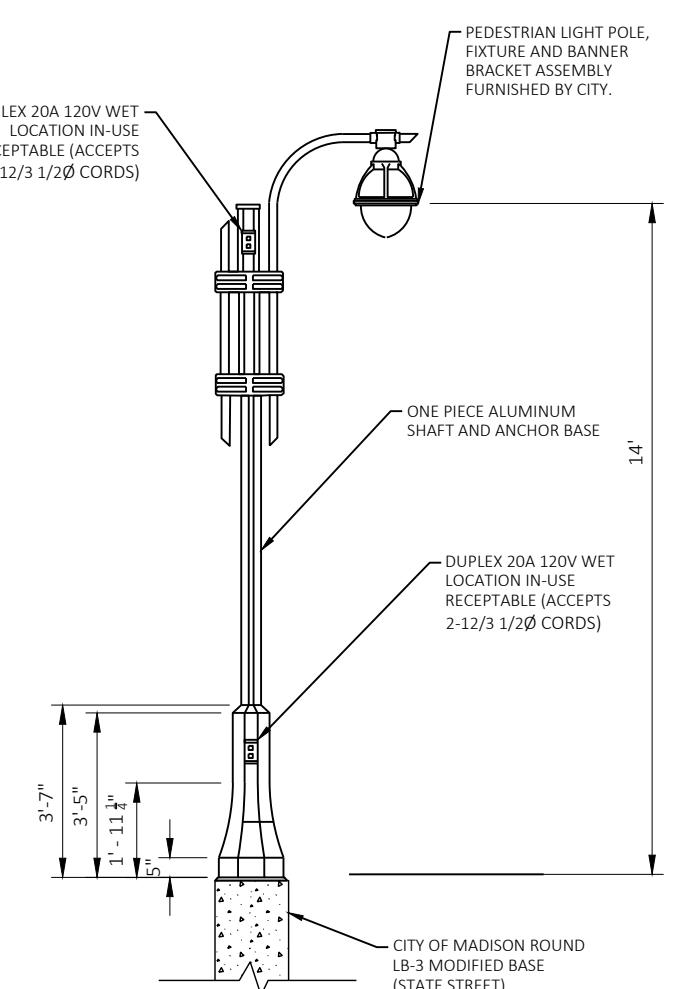
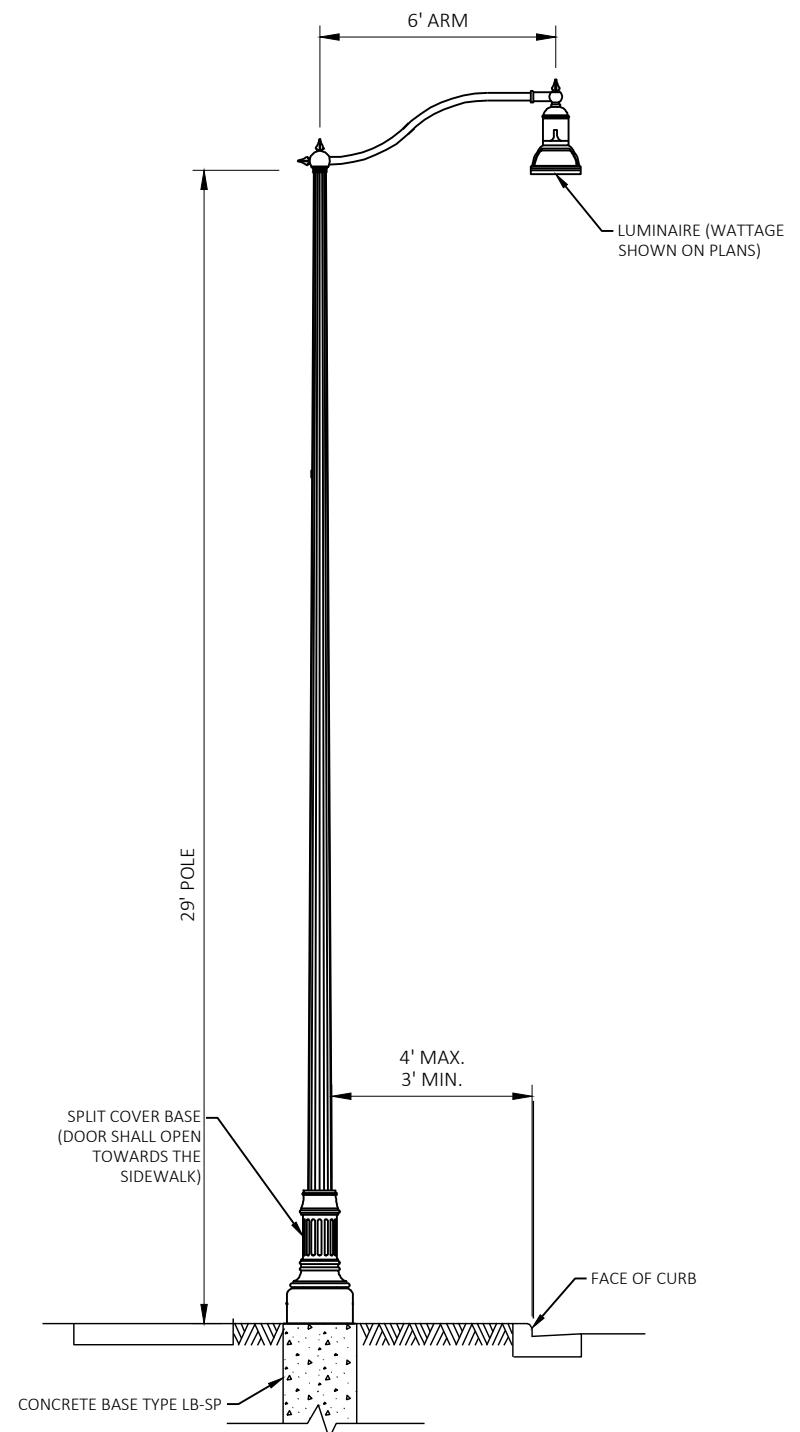
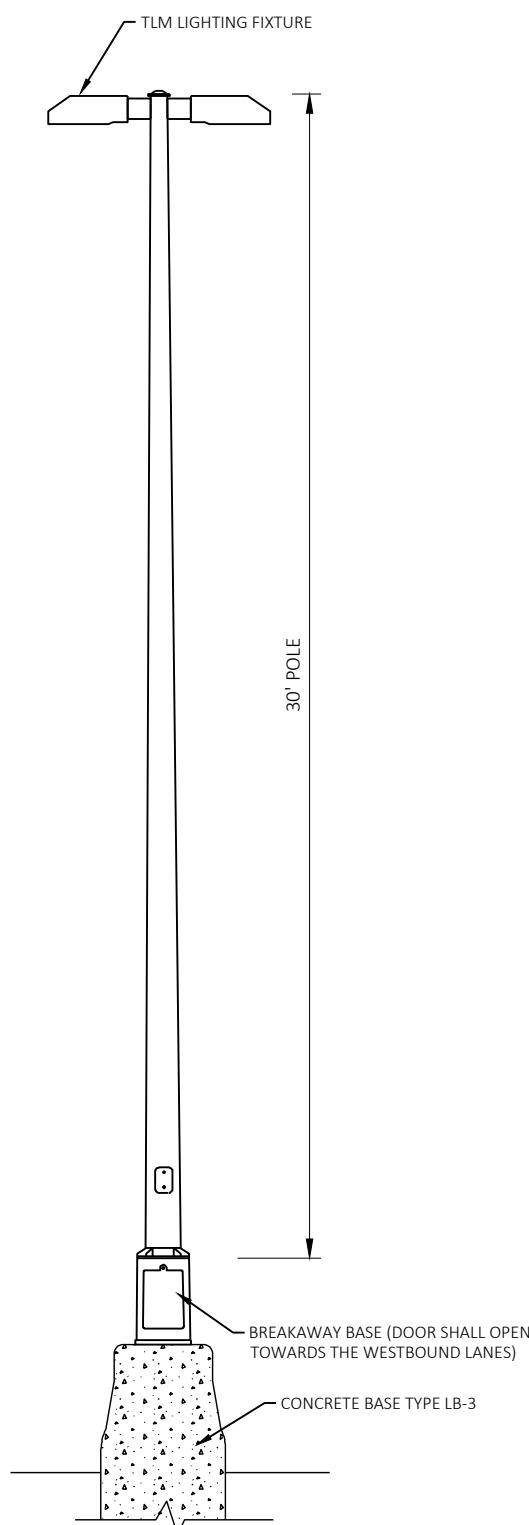
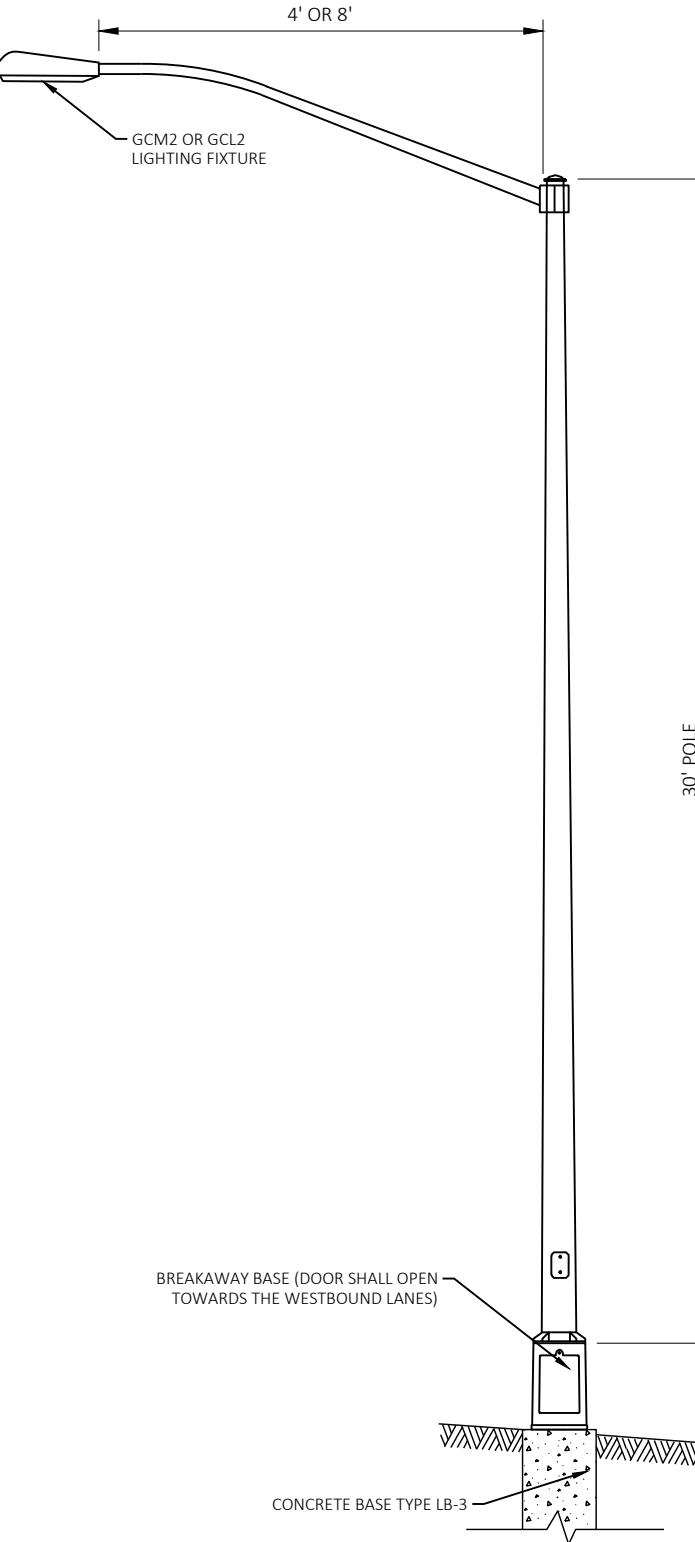
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LANDSCAPE PLAN: STORMWATER MANAGEMENT SEEDING AND PLUG MIX LIST

BUS RAPID TRANSIT

## CITY OF MADISON



LIGHT POLE ASSEMBLY TYPE 1

LIGHT POLE ASSEMBLY TYPE 2

LIGHT POLE ASSEMBLY TYPE III & LIGHTING POLE ASSEMBLY TYPE III POLE

LIGHT POLE ASSEMBLY TYPE 4

NOT TO SCALE

**LIGHTING DETAILS**

**BUS RAPID TRANSIT**

**CITY OF MADISON**

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

60631225P

MARK

Designed By: AECON Date: 2022-08-24

REVISION

DATE

BY

Scale: 1 IN 50 FT

60631225P

FILE NAME :

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LAYOUT NAME - Main Package Details

LAST PLOT DATE - 2022-08-24

FILE NAME :

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LAYOUT NAME - Main Package Details

LAST PLOT DATE - 2022-08-24

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LAYOUT NAME - Main Package Details

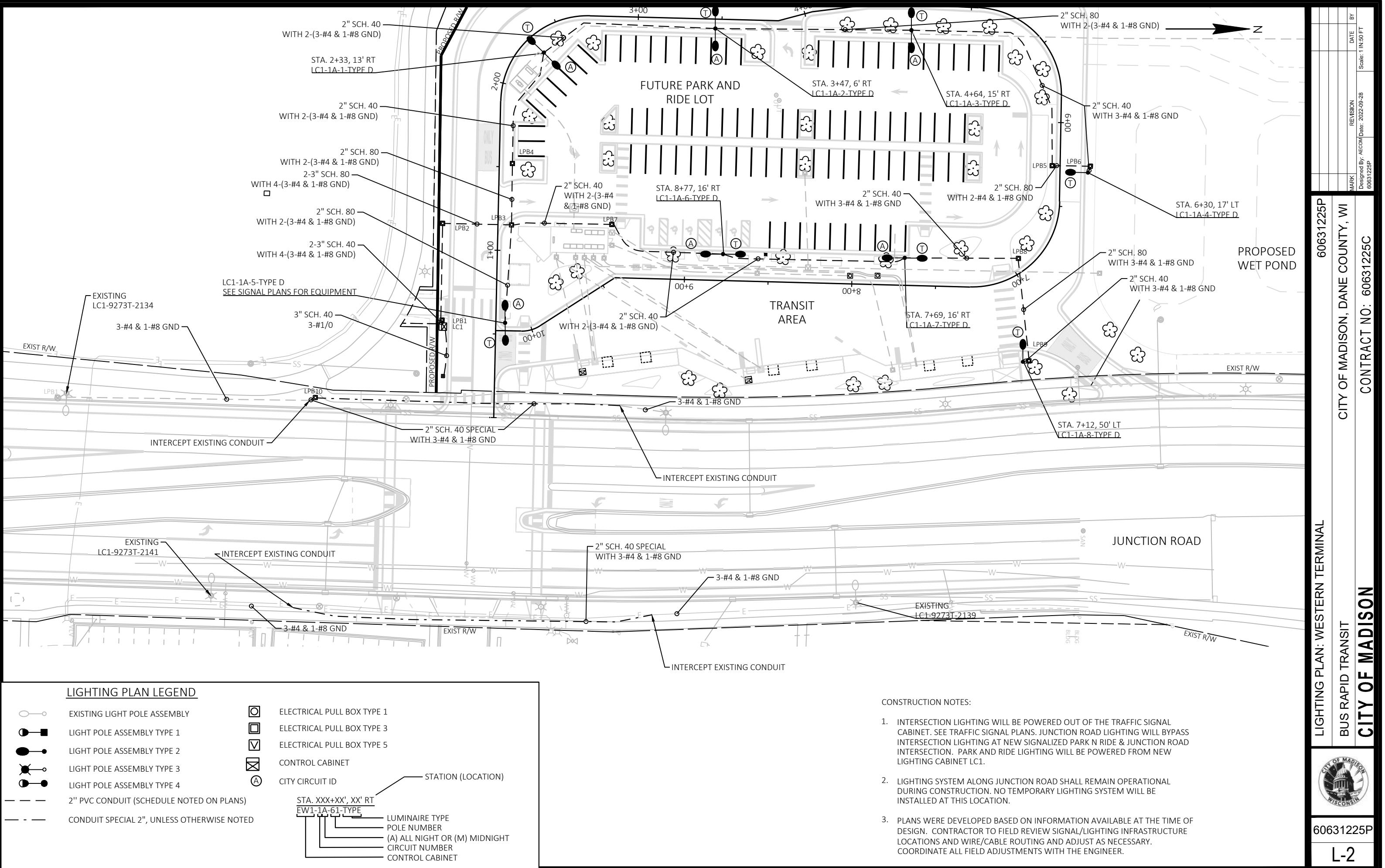
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LAYOUT NAME - Main Package Details

LAST PLOT DATE - 2022-08-24</p



# CITY OF MADISON

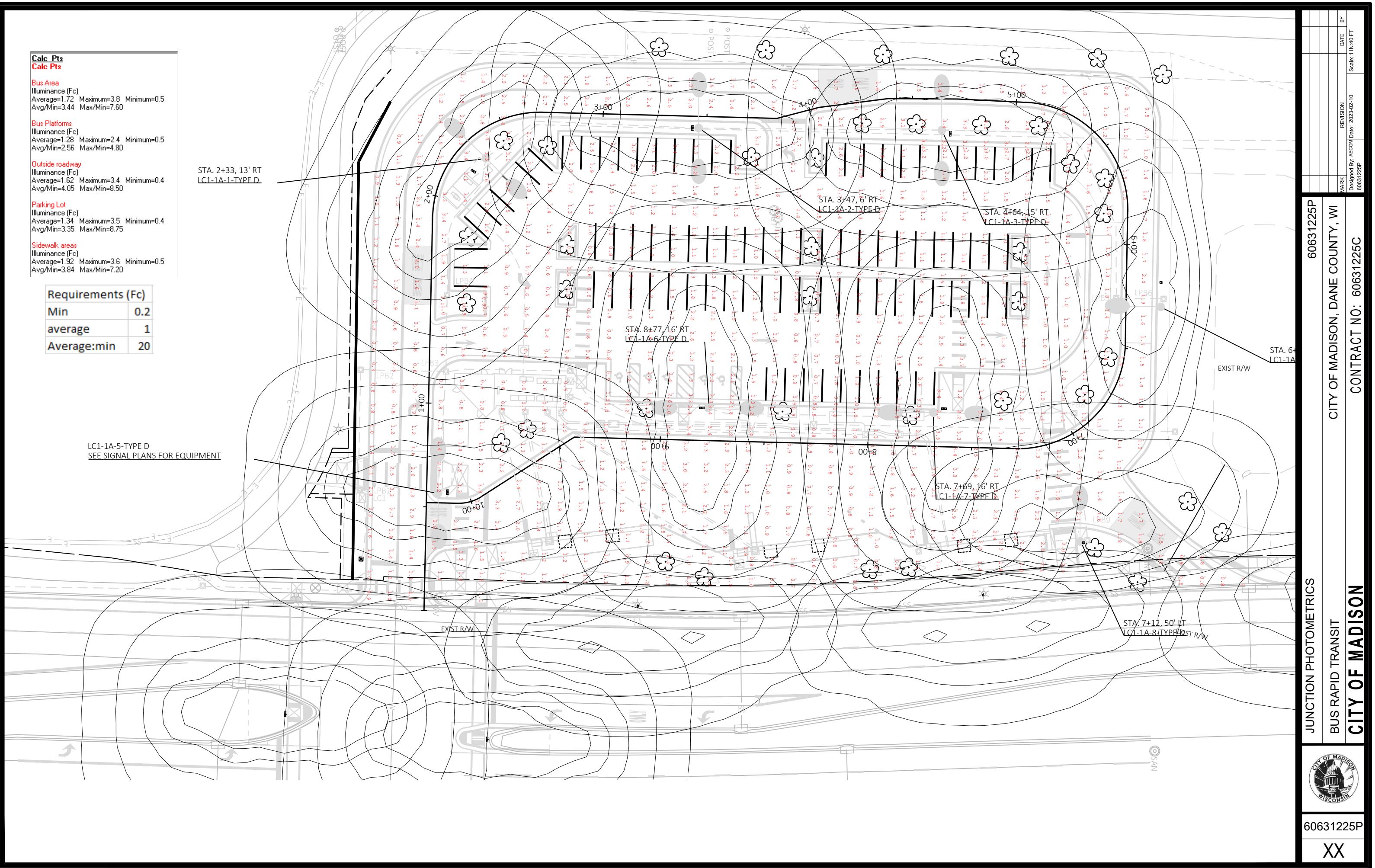
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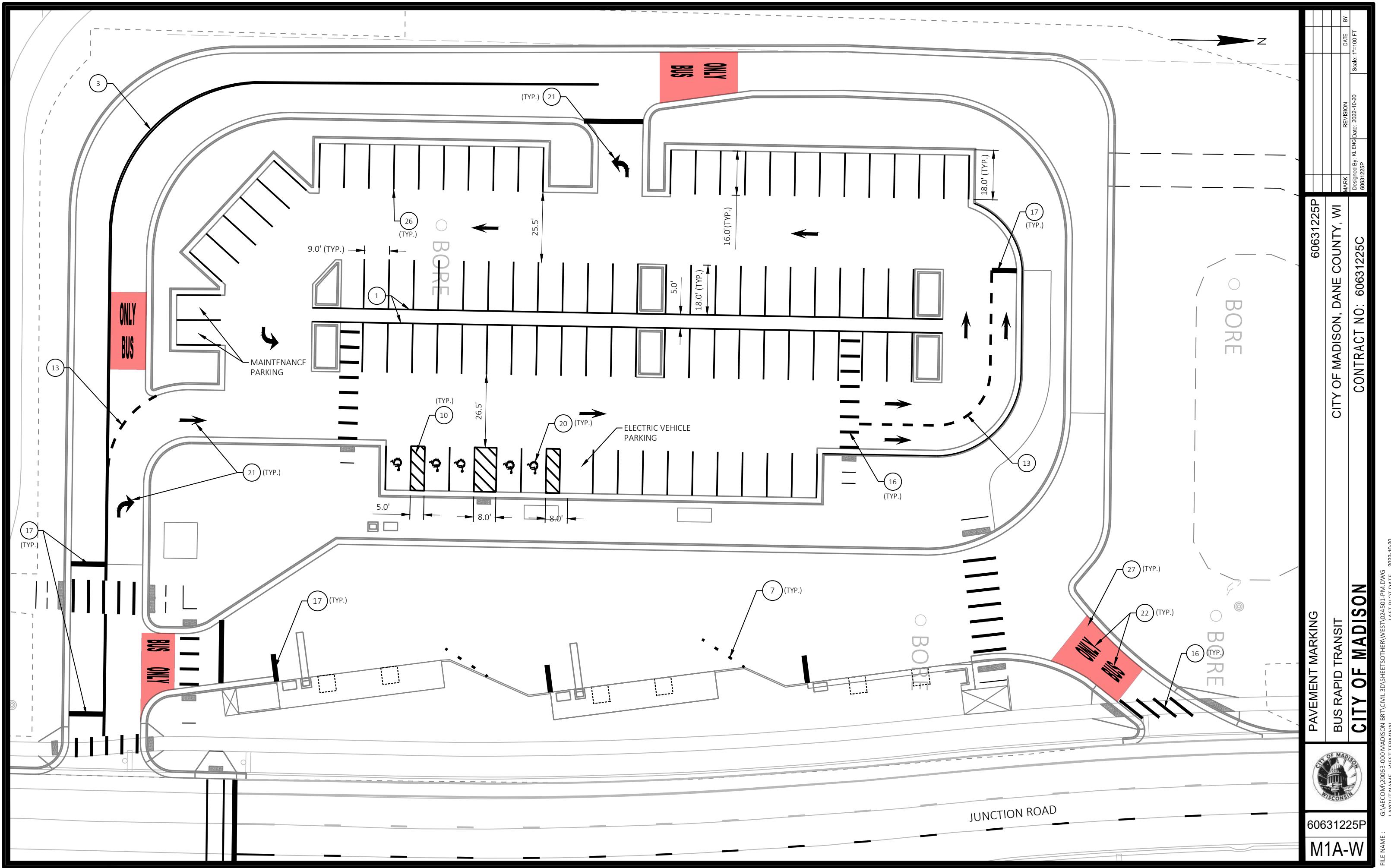
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# BRT Platform and Shelters

BLACK PAINTED  
ARCHITECTUAL STEEL

'STONEWOOD' PHENOLIC  
PANEL - COLOR MADISON  
WALNUT'

CURTAINWALL GLAZING  
WITH BIRD SAFETY  
PATTERNING



60631225P						
1	ADDENDUM 1					
MARK	DSG	REVISION	11082022	RWC	DATE	BY
Designed By: DSG	Date: 1/19/2023 12:12:39 PM	Scale: --				

60631225P						
1	ADDENDUM 1					
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Designed By: DSG	Date: 1/19/2023 12:12:39 PM	Scale: --				

60631225P						
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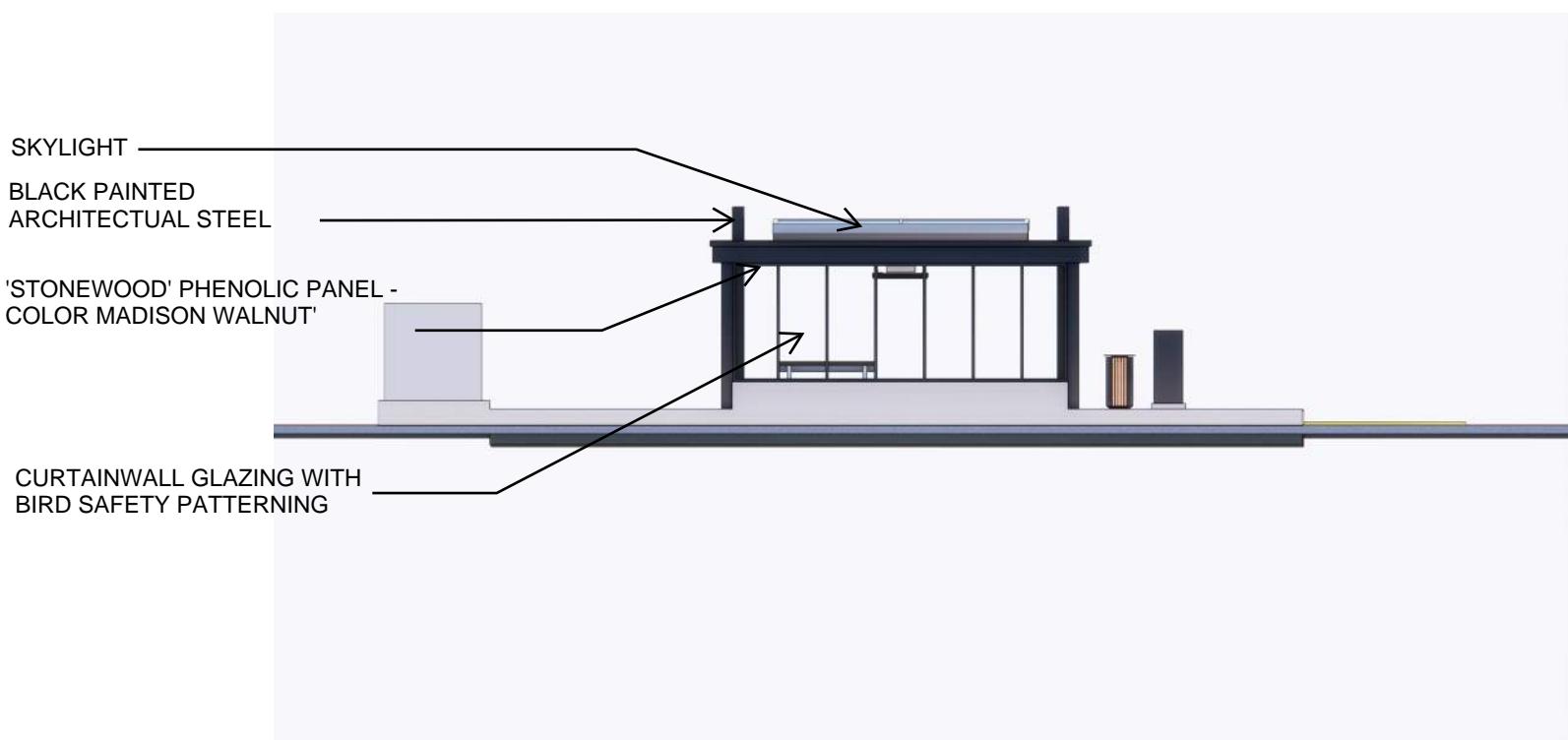
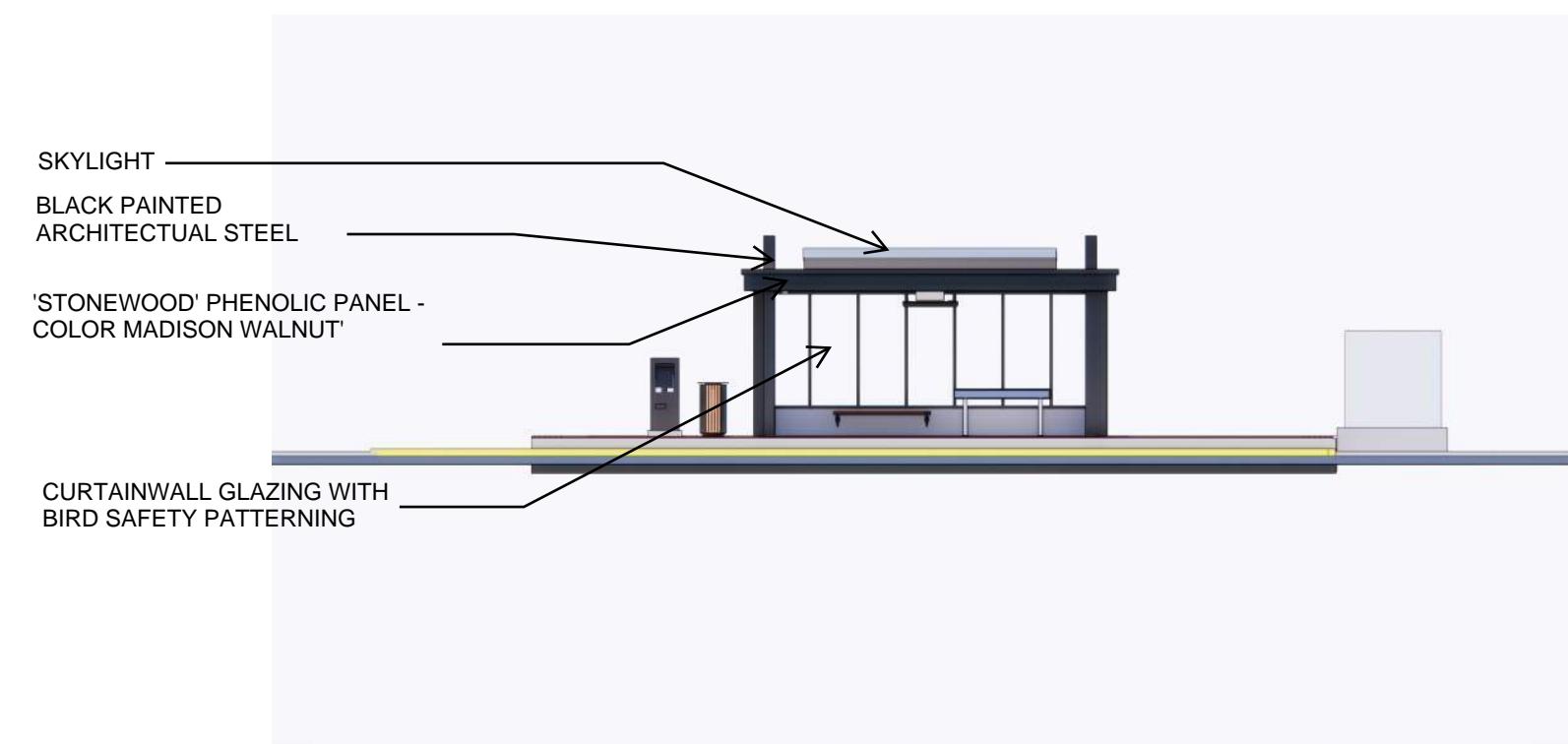
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MADISON WALNUT | SELECT | 2831-AA

PHENOLIC PANEL MATERIAL



60631225P

A200

PLATFORM RENDERINGS

BUS RAPID TRANSIT

**CITY OF MADISON**

60631225P

1- ADDENDUM 1

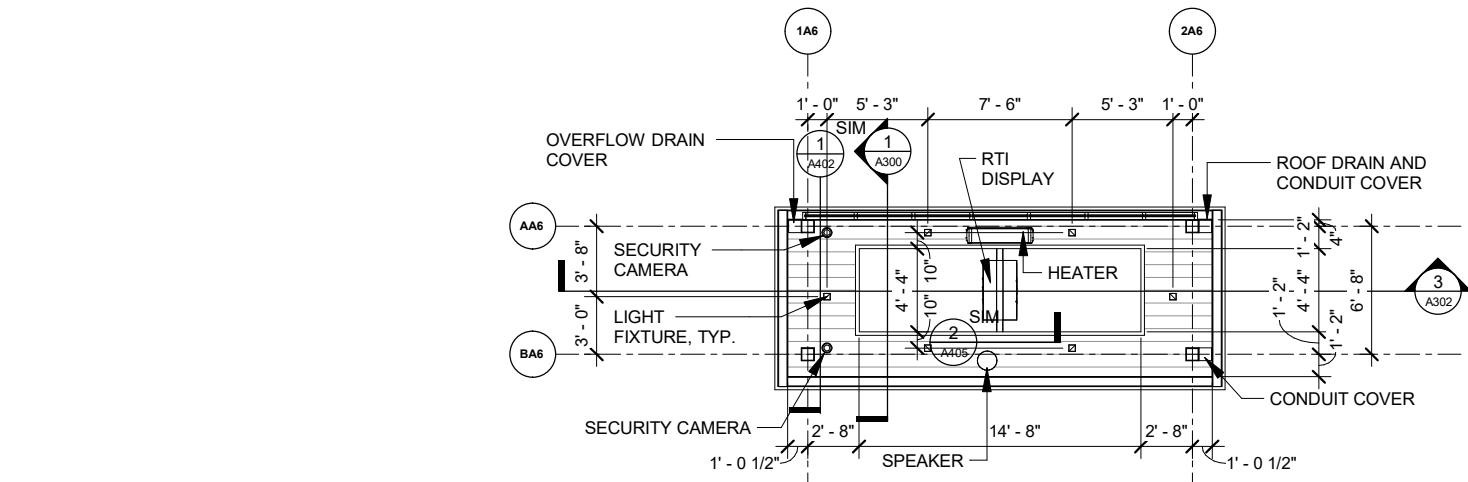
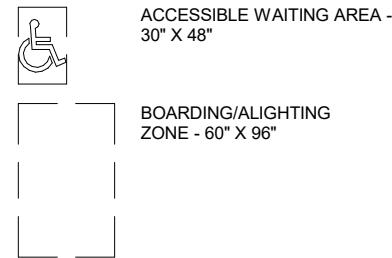
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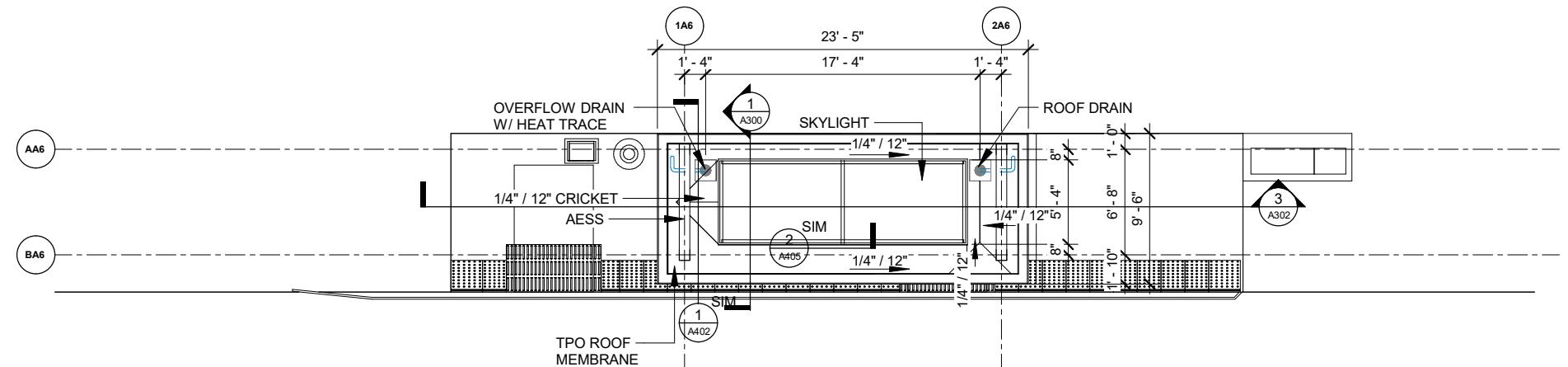
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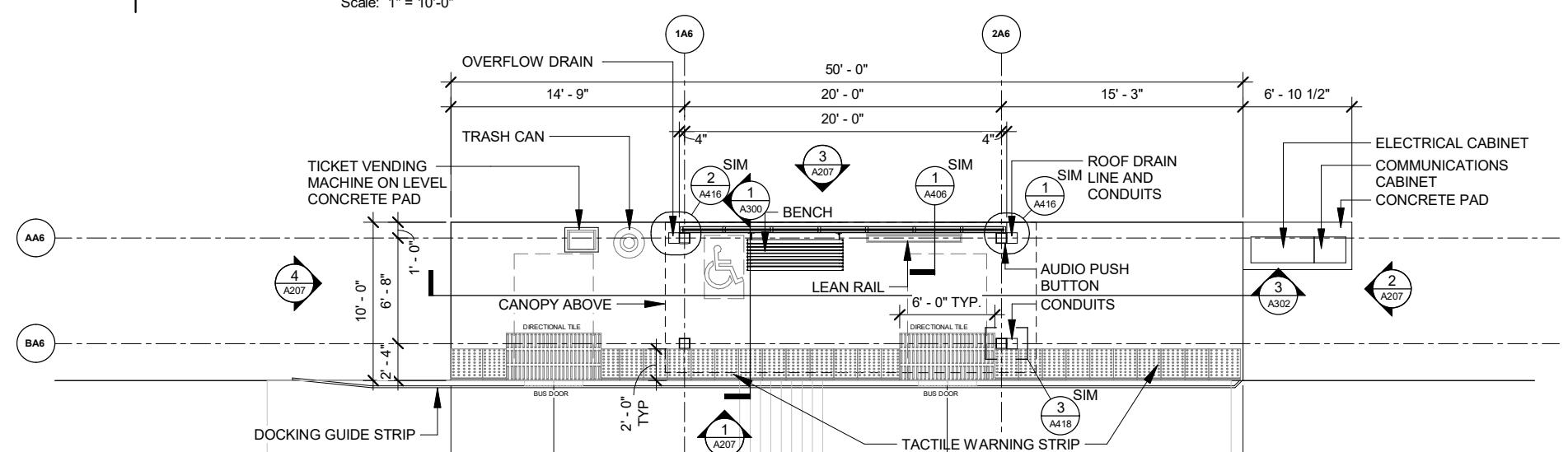
3 | CEILING PLAN - PLATFORM TYPE A6

Scale: 1" = 10'-0"



2 | ROOF PLAN - PLATFORM TYPE A6

Scale: 1" = 10'-0"



1 | ROOF PLAN - PLATFORM TYPE A6

Scale: 1" = 10'-0"

MARK	REVISION	DATE	BY
Designed By: ---	Scale: ---	Date: 2022-03-08	Version: ---

60631225P

CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

PLATFORM TYPE A6  
BUS RAPID TRANSIT  
CITY OF MADISON



60631225P

A116

### PLAN GRAPHIC FINISH SYMBOL LEGEND

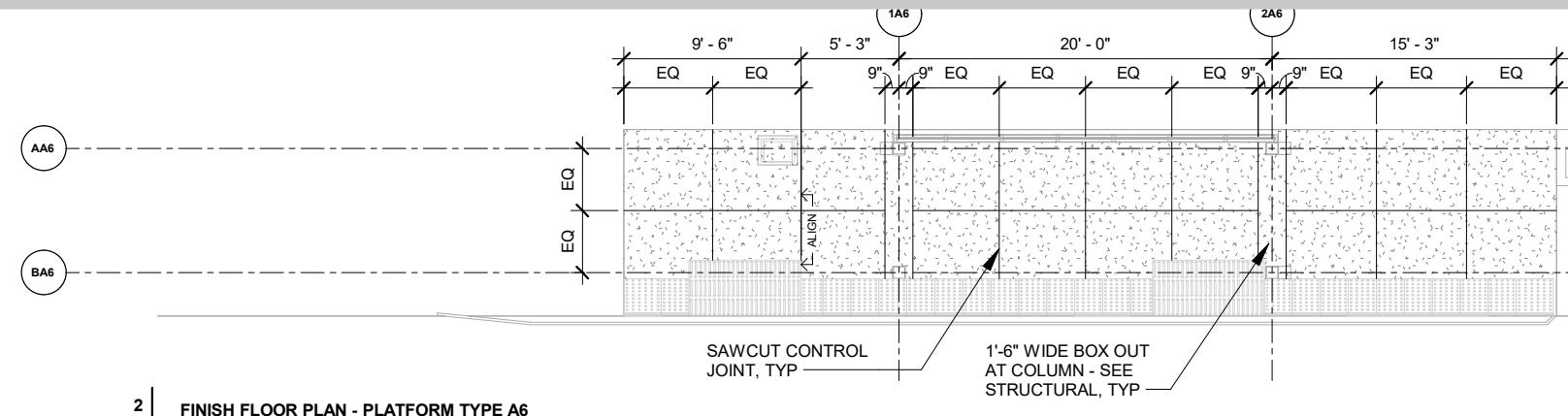


REGULAR CONCRETE  
(BROOM FINISH)



BARK COLOR CONCRETE  
(BROOM FINISH)

NOTE: SOME OBJECTS IN PLANS MAY  
NOT BE SHOWN FOR GRAPHIC CLARITY



PLATFORM FINISH FLOOR PLANS TYPE A

BUS RAPID TRANSIT

CITY OF MADISON, DANE COUNTY, WI

CITY OF MADISON



60631225P

A131

REVISED 11/02/22 RMC

60631225P

1 ADDENDUM 3

MARK

11/02/22 5:08:37 PM

DSG Date: 11/02/22 5:08:37 PM

REVISION

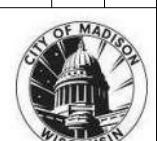
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BY: --

MARK	REVISION	DATE	BY
60631225P	2022-03-08	Scale: --	

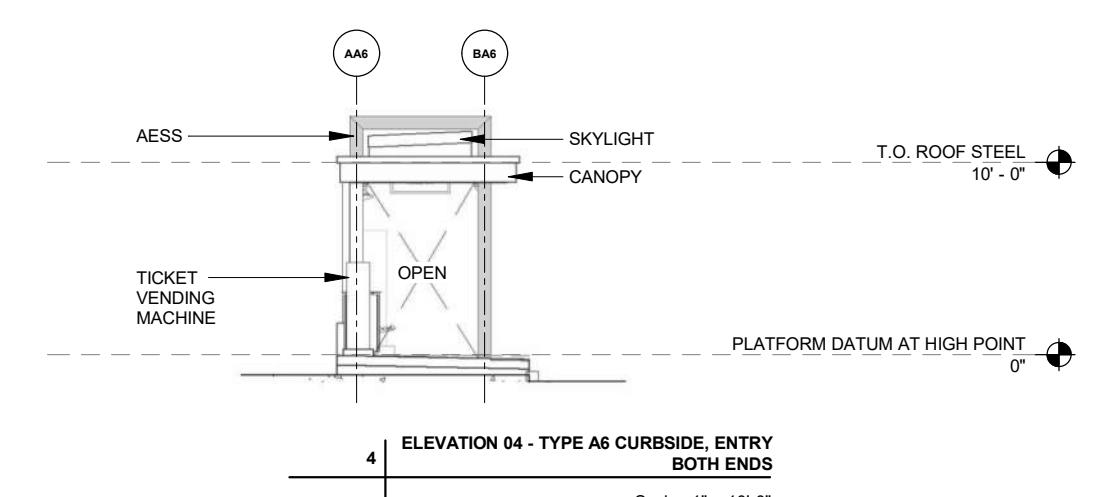
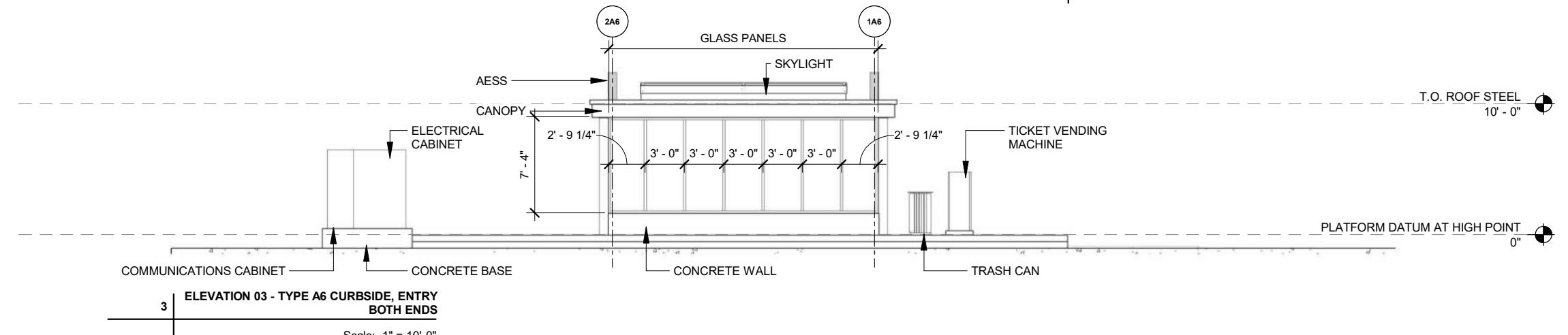
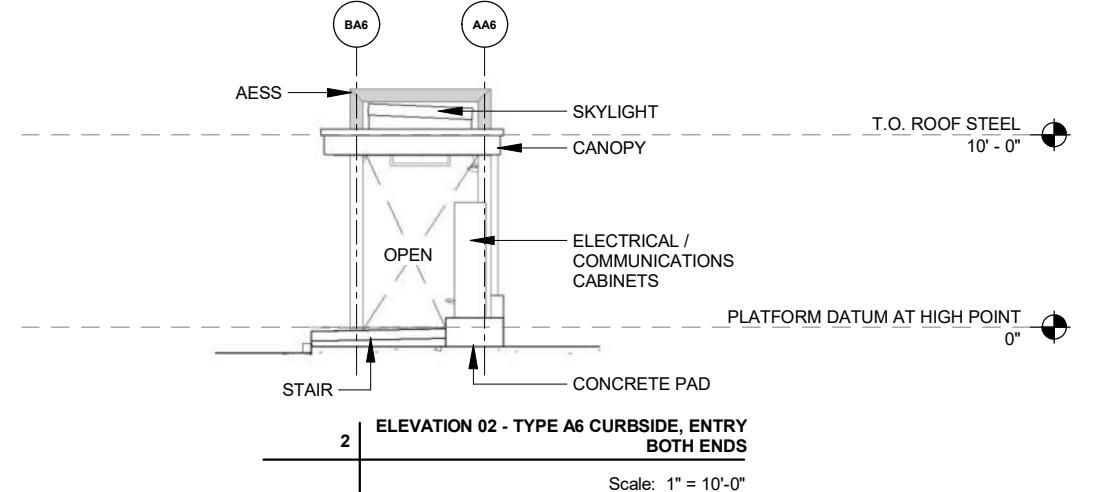
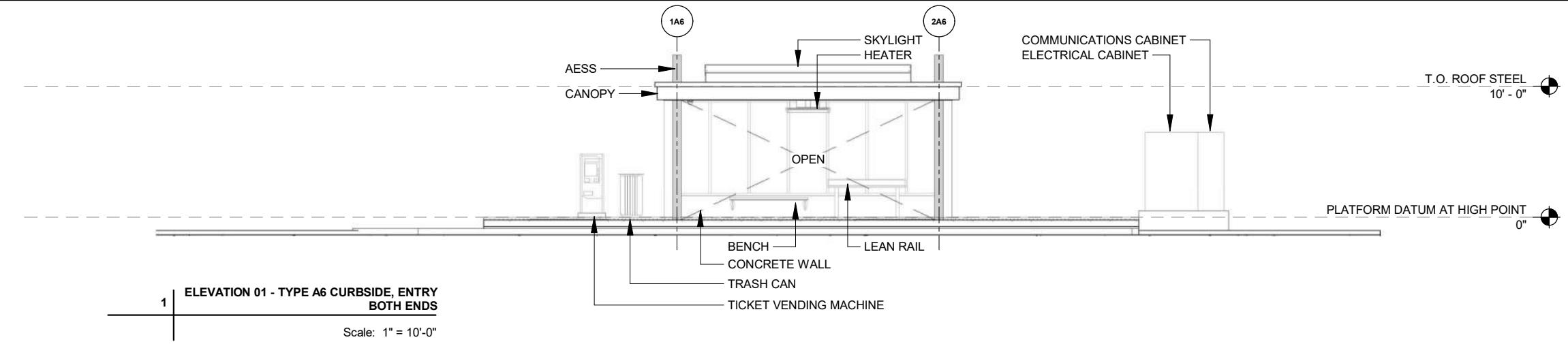
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CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

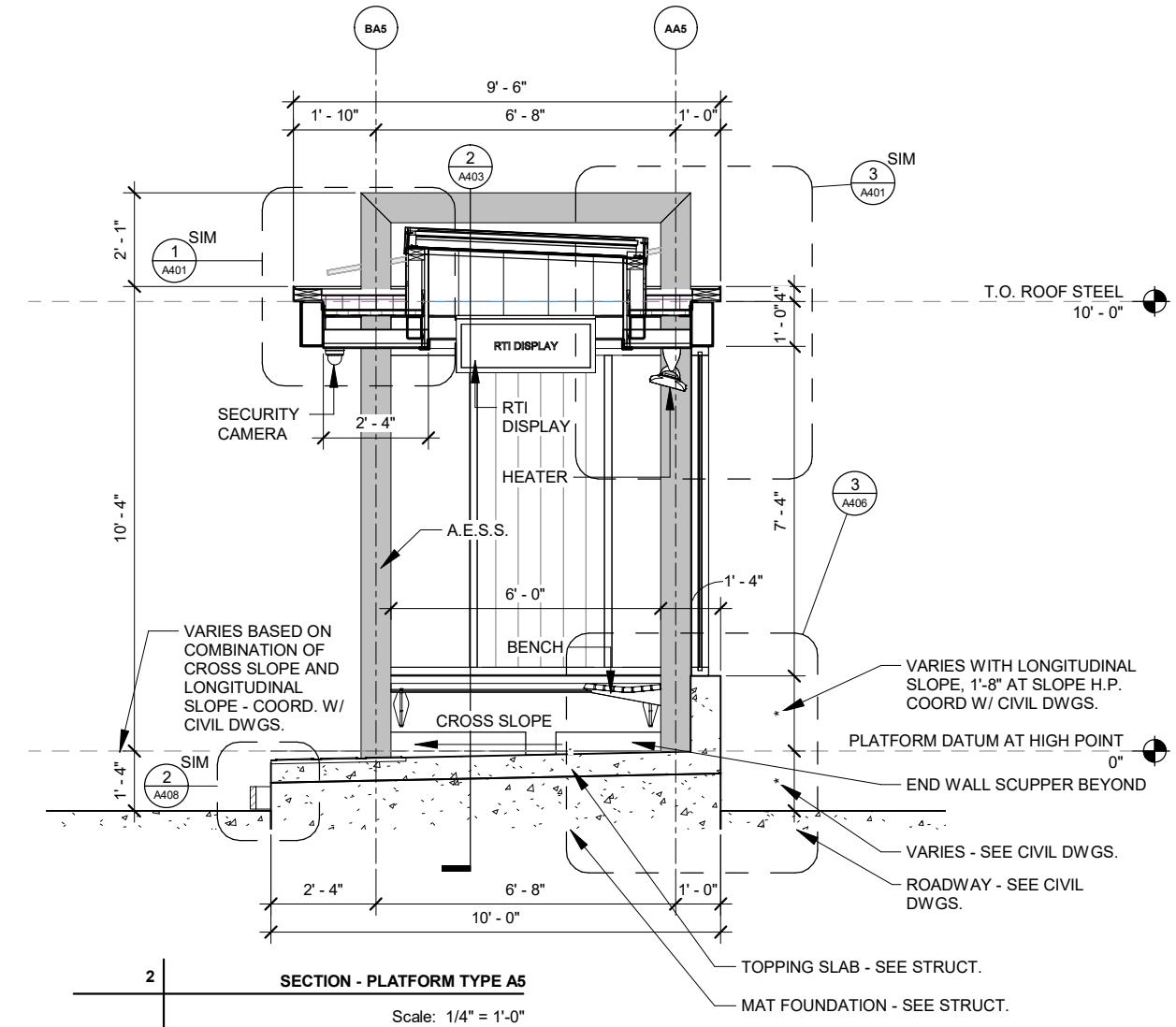
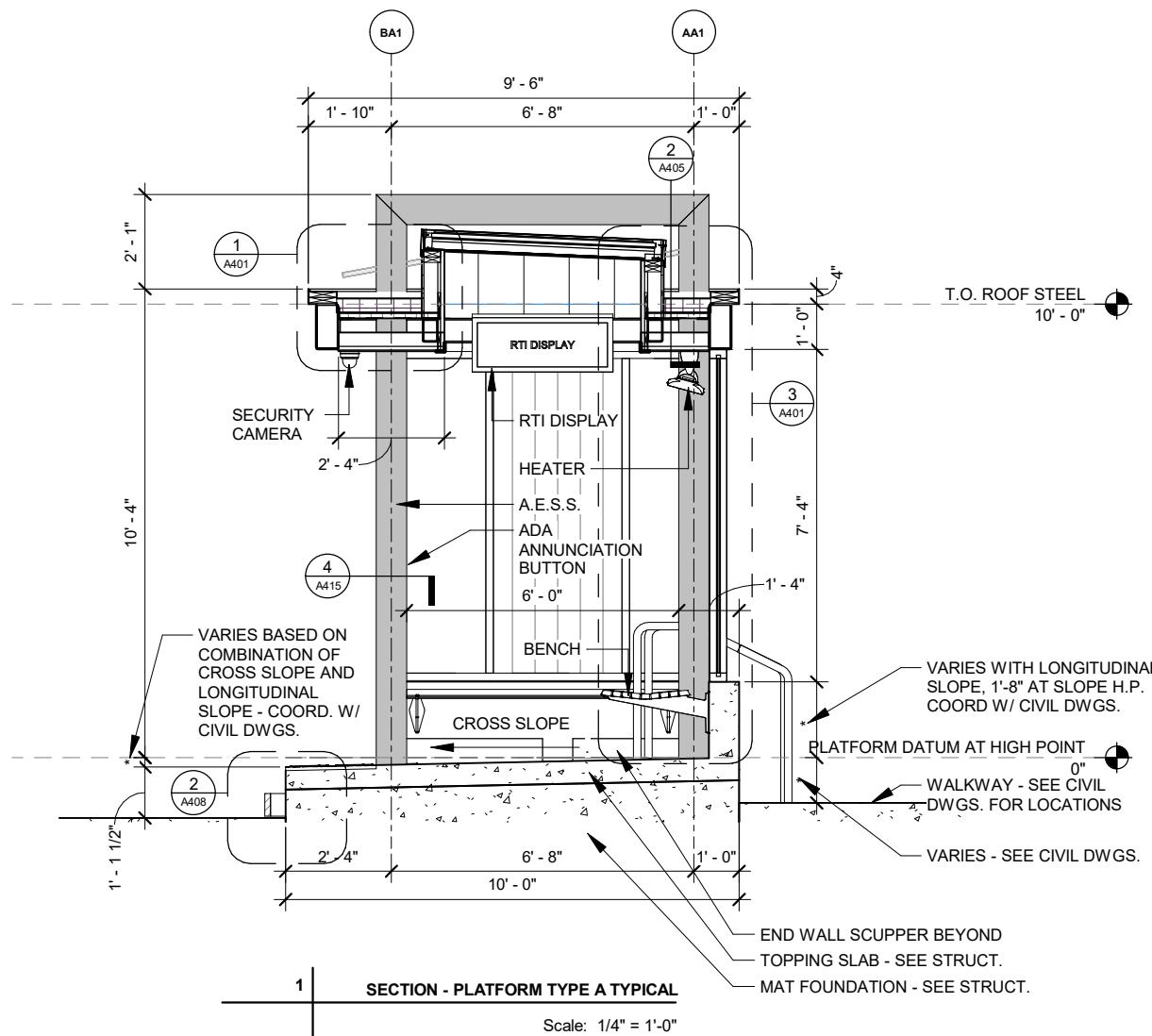
ELEVATION PLATFORM TYPE A6  
BUS RAPID TRANSIT  
CITY OF MADISON



60631225P

A207





MARK	REVISION	DATE	BY
Designed By: [Redacted]	Date: 2022-03-08	Scale: --	

60631225P

CITY OF MADISON, DANE COUNTY, WI

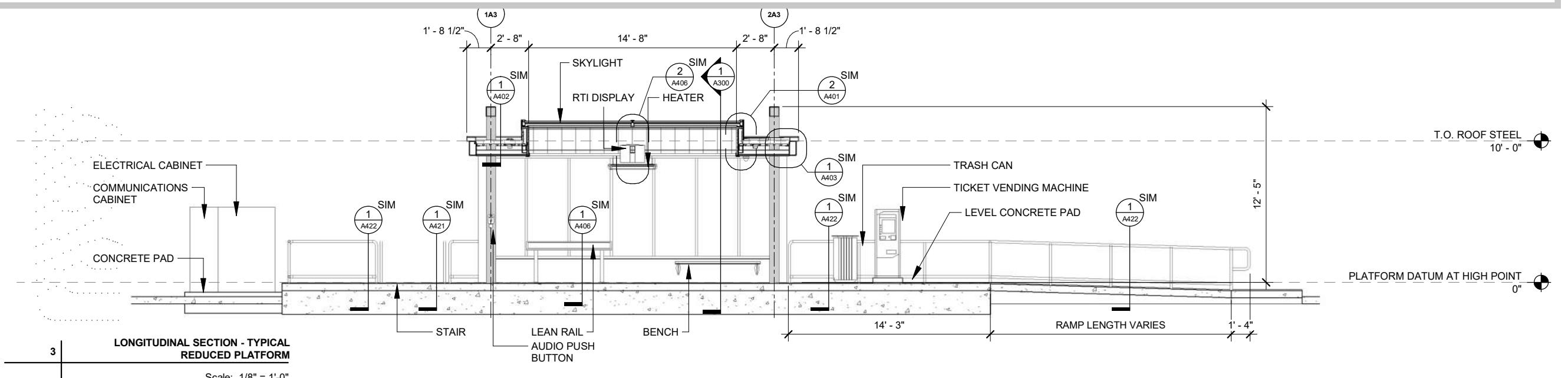
CONTRACT NO: 60631225C

PLATFORM SECTIONS TYPE A  
BUS RAPID TRANSIT  
CITY OF MADISON



60631225P

A300



## PLATFORM LONGITUDINAL SECTIONS

## BUS RAPID TRANSIT



60631225

A302

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

02

MARK	Designed By:	ADDENDUM 3 REVISION DATE: 2022-03-08	11/04/22 DATE BY Scale: ---
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60631225P COUNTY, WI

CITY OF MADISON, DANE COUNTY, WI  
CONTRACTING 2000000000

## CITY OF MADISON

110

0631225P

201

## PLANTER PLANT LIST

Symbol	Botanical Name	Common Name	Mature Height	Size	Condition	Spacing
ANC	<i>Anemone canadensis</i>	Canada Anemone	18"	1 gal	potted	6" O.C.
AST	<i>Asclepias tuberosa</i>	Butterfly Milkweed	24"	1 gal	potted	1'-0" O.C.
ASZ	<i>Aster azureus</i>	Sky Blue Aster	24"	1 gal	potted	1' O.C.
COL	<i>Coreopsis lanceolata</i>	Sand Coreopsis	18"	1 gal	potted	1'-0" O.C.
DAP	<i>Dalea purpurea</i>	Purple Prairie Clover	12"	1 gal	potted	1'-0" O.C.
ECP	<i>Echinacea purpurea</i>	Purple Coneflower	30"	1 gal	potted	1' O.C.
GET	<i>Geum triflorum</i>	Prairie Smoke	6"	1 gal	potted	6" O.C.
KOM	<i>Koeleria macrantha</i>	June Grass	24"	1 gal	potted	1'-0" O.C.
LIS	<i>Liatis spicata</i>	Blazing Star	30"	1 gal	potted	9" O.C.
POR	<i>Polemonium reptans</i>	Jacob's Ladder	12"	1 gal	potted	6" O.C.
RUH	<i>Rudbeckia hirta</i>	Black-eyed Susan	30"	1 gal	potted	1' O.C.
SPH	<i>Sporobolus heterolepis</i>	Prairie Dropseed	36"	1 gal	potted	2'-0" O.C.

ABC  
XX

## PLANTING PLAN - 15' LONG PLANTER

Scale: N.T.S.

Diagram illustrating the spatial distribution of plant species within a community. The diagram is divided into sections by lines, with labels indicating specific stations and canopy columns. The species are represented by different symbols: circles with various patterns (solid, cross-hatched, plus, minus, triangle, etc.) and shaded areas. A central shaded rectangular region represents a transition zone or a specific microhabitat.

Labels in the diagram:

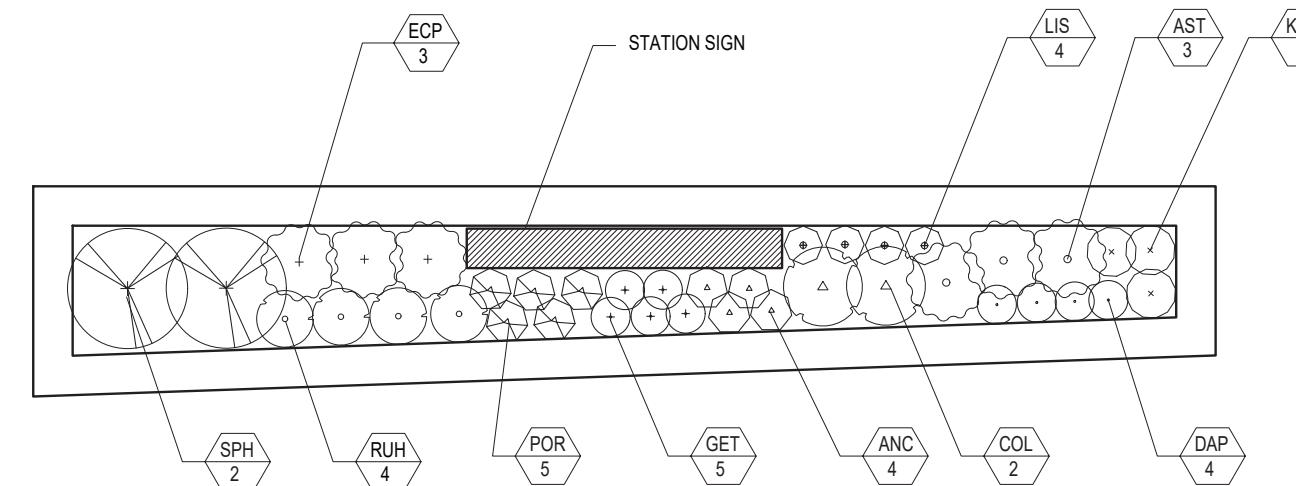
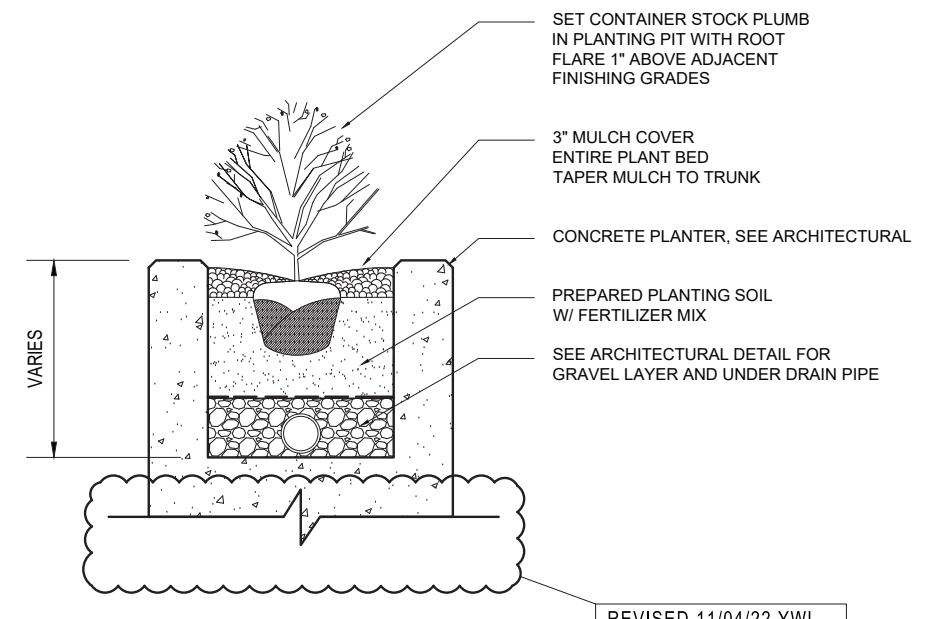
- STATION CANOPY COLUMN
- ECP 3
- COL 3
- ASZ 3
- STATION SIGN
- LIS 4
- RUH 3
- KOI 4
- LIS 3
- SPH 2
- RUH 3
- ANC 3
- POR 6
- GET 6
- AST 3
- DAP 4

## 2 | PLANTING PLAN - 18' - 10" LONG PLANTER AT TYPE A1, A2, A5, & A6

Scale: N.T.S.

## PLANTING SECTION - PLANTER

Scale: N.T.S.



1

### FINISH MATERIALS LEGEND

ACP	ACOUSTICAL CEILING PANEL
ACT	ACOUSTICAL CEILING TILE
AF	ACCESS FLOORING
AFA	ANODIZED FINISHED ALUMINUM
AMC	ACOUSTICAL METAL PAN CEILING
AMF	ARCHITECTURAL METAL FINISH
APC	ARCHITECTURAL PRECAST CONCRETE
APF	ACCORDIAN PANEL FINISH
AWP	ACOUSTICAL WALL PANEL
BG	BUMPER GUARD
CC	CUBICLE CURTAINS
CG	CORNER GUARD
CHR	CHAIR RAIL
CMA	CERAMIC ACCESSORY TILE
CMB	CERAMIC BASE TILE
CMT	CERAMIC FIELD TILE
CMU	CONCRETE MASONRY UNIT
CPT	CARPET
CR	CRASH RAIL
DF	DECORATIVE FILM
DG	DECORATIVE GLAZING
EC	EXPOSED CONTRUCTION
EFG	ENTRANCE FLOOR GRILLES
EST	ENGINEERED STONE
EX	EXISTING
FG	FOOT GRILL
FM	FLOOR MAT
FRP	FIBERGLASS REINFORCED PANEL
FWC	FABRIC WALL COVERING
FWP	FABRIC WRAPPED PANEL
GF	GLASS FILM
GMU	GLASS MASONRY UNIT
GVP	GYPSUM VENEER PLASTER
GYP	GYPSUM WALL BOARD
HB	HORIZONTAL BLIND
HGL	HANDRAIL GLASS
HR	HAND RAIL
IGL	INTERIOR GLAZING
INT	INTEGRAL BASE
MCP	METAL CEILING PANEL
ME	MATCH EXISTING
ML	METAL LAMINATE
MMV	MANUFACTURER MASONRY VENEER
NA	NOT APPLICABLE

### FINISH MATERIALS LEGEND

NFB	INTERIOR FACE BRICK
NPM	INTERIOR PAINTED METAL
NSF	STONE FLOORING
NSV	STONE VENEER
OPF	OPERABLE PANEL FINISH
PJS	PROJECTION SCREENS
PL	PLASTIC LAMINATE
PLD	PLASTIC LAMINATE DOOR
PT	INTERIOR PAINT
RB	RESILIENT BASE
RS	ROLLER SHADE
RSF	RESILIENT SHEET FLOORING
RTF	RESILIENT TILE FLOORING
SC	SEALED CONCRETE
SCT	STONE COUNTERTOP
SDG	SUSPENDED DECORATIVE GRID
SFW	STRETCHED FABRIC WALL SYSTEMS
SMC	SNAP-IN METAL PAN CEILINGS
SMU	CALCIUM SILICATE MASONRY UNIT
SS	STAINLESS STEEL
SSM	SOLID SURFACING FABRICATIONS
ST	STONE
STB	STONE BASE TILE
STT	STONE FIELD TILE
SWP	SHEET WALL PROTECTION
TER	TERRAZZO
TIC	TEXTURED INTERIOR COATING
VB	VERTICAL BLIND
VDS	VISUAL DISPLAY SURFACES
VLB	VERTICAL LOUVER BLINDS
WCP	WOOD CEILING PANEL
WD	WOODWORK
WF	WOOD FLOORING
WSS	WOOD SOLID STOCK
WVD	WOOD VENEERED DOOR
WVP	WOOD VENEERED PANEL
XCT	EXTERIOR COATING
XFB	EXTERIOR FACE BRICK
XGL	EXTERIOR GLAZING
XPM	EXTERIOR COATED METAL
XSV	EXTERIOR STONE VENEER

FINISH MATERIAL ABBREVIATIONS

BUS RAPID TRANSIT

CITY OF MADISON

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C



G016



# Local Bus Shelter Relocated from Downtown

## DESIGN LOADINGS:

### CATEGORY I STRUCTURE

ROOF SNOW LOAD  
 GROUND SNOW LOAD,  $P_g = 30 \text{ psf}$   
 FLAT-ROOF SNOW LOAD,  $P_g = 26 \text{ psf}$   
 SLOPED ROOF SNOW LOAD,  $P_g = 26 \text{ psf}$   
 SNOW EXPOSURE FACTOR,  $C_e = 1.0$   
 SNOW IMPORTANCE FACTOR,  $I = 1.0$   
 THERMAL FACTOR,  $C_t = 1.2$   
 ROOF SLOPE FACTOR,  $C_s = 1.0$

UNBALANCED SNOW LOAD ON LEEWARD SIDE  
 AT THE EAVE = 54 psf  
 AT THE CROWN = 13 psf

UNBALANCED SNOW LOAD ON THE WINDWARD SIDE = 0 psf

### WIND LOAD

BASIC WIND SPEED = 90 mph  
 WIND IMPORTANCE FACTOR,  $I = 1.0$   
 WIND EXPOSURE = B

ANALYSIS METHOD: ANALYTICAL METHOD,  
 ASCE 7-98, SECTION 6.5

MWFRS - TRANSVERSE AND LONGITUDINAL WIND LOAD  
 WINDWARD WALL LOAD = 12 psf

LEEWARD WALL LOAD = 1 psf

ROOF LOAD = -13.5 psf

### COMPONENT AND CLADDING LOADS

WALL = 18 psf

ROOF = -13.5 psf

### EARTHQUAKE DESIGN DATA

SEISMIC FACTOR,  $I_0 = 1.0$

SEISMIC DESIGN CATEGORI A

SEISMIC USE GROUP = 1

SPECTRAL RESPONSE COEFFICIENTS

$S_{ds} = 0.056$

$S_{d1} = 0.064$

SITE CLASS = D

ANALYSIS PROCEDURE - SECTION 1604.4

NO ROOF PONDING LOAD REQUIRED

NO ROOF RAIN LOAD REQUIRED

NO DRIFTING OR SLIDING LOADS

ROOF DEAD LOAD - 3 psf

## NOTES:

1. A TOTAL OF 7 SHELTERS SHALL BE FABRICATED AND ERECTED.  
 ALL 7 SHELTERS SHALL BE IDENTICAL.
2. ALL THE ALUMINUM SHELTER FRAMING MEMBERS SHALL BE PAINTED.
3. PROVIDE HAND HOLES IN THE COLUMNS SCHEDULED FOR ELECTRIC WIRING  
 TO BE ROUTED. SEE DETAIL 8/A-8.

## TYPICAL ALUMINUM SHELTER FRAMING MEMBERS:

COLUMNS: 4" x 4" x  $1/4$ " SQUARE TUBE

ROOF CROSS BEAMS AT GRID LINES A THRU E: 4" x 6" x  $1/4$ " RECTANGULAR TUBE

CURVED ROOF MEMBERS AT GRID LINES 1 THRU 3: 2" x 4" x  $1/8$ " RECTANGULAR TUBE

HORIZONTAL WALL MEMBERS: 2" x 4" x  $1/8$ " TUBE

WINDOW GRILLE:  $3/4$ " x  $3/4$ " x  $1/8$ " SQUARE TUBE

GLASS STOPS:  $3/4$ " x  $3/4$ " x  $1/8$ " ANGLE

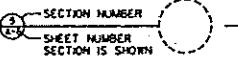
DIAGONAL BRACES: SEE DETAILS 1/A-9, 3/A-9, 4/A-9

ALUMINUM TYPE: 6063-T6

## BOX NOTES

- 1 COLUMN
- 2 ARM REST
- 3 BENCH
- 4 RADIUS = 3'-8 $\frac{1}{2}$ "
- 5 BENCH BRACKET
- 6 GLASS
- 7 HORIZONTAL WALL MEMBER
- 8 BUS ROUTE SIGN ABOVE - SEE 1/A-6
- 9 LIGHT FIXTURE ABOVE
- 10 ROOF OUTLINE
- 11 BASE SHOE
- 12 ELECTRIC WIRE ROUTED UP THROUGH COLUMN  
 BY EC. PROVIDE  $3/4$ " DIAMETER HOLE IN  
 FRAMING FOR WIRE TO PASS THROUGH
- 13 PROVIDE HAND HOLES IN COLUMN - SEE 8/A-8

## ARCHITECTURAL SYMBOLS:

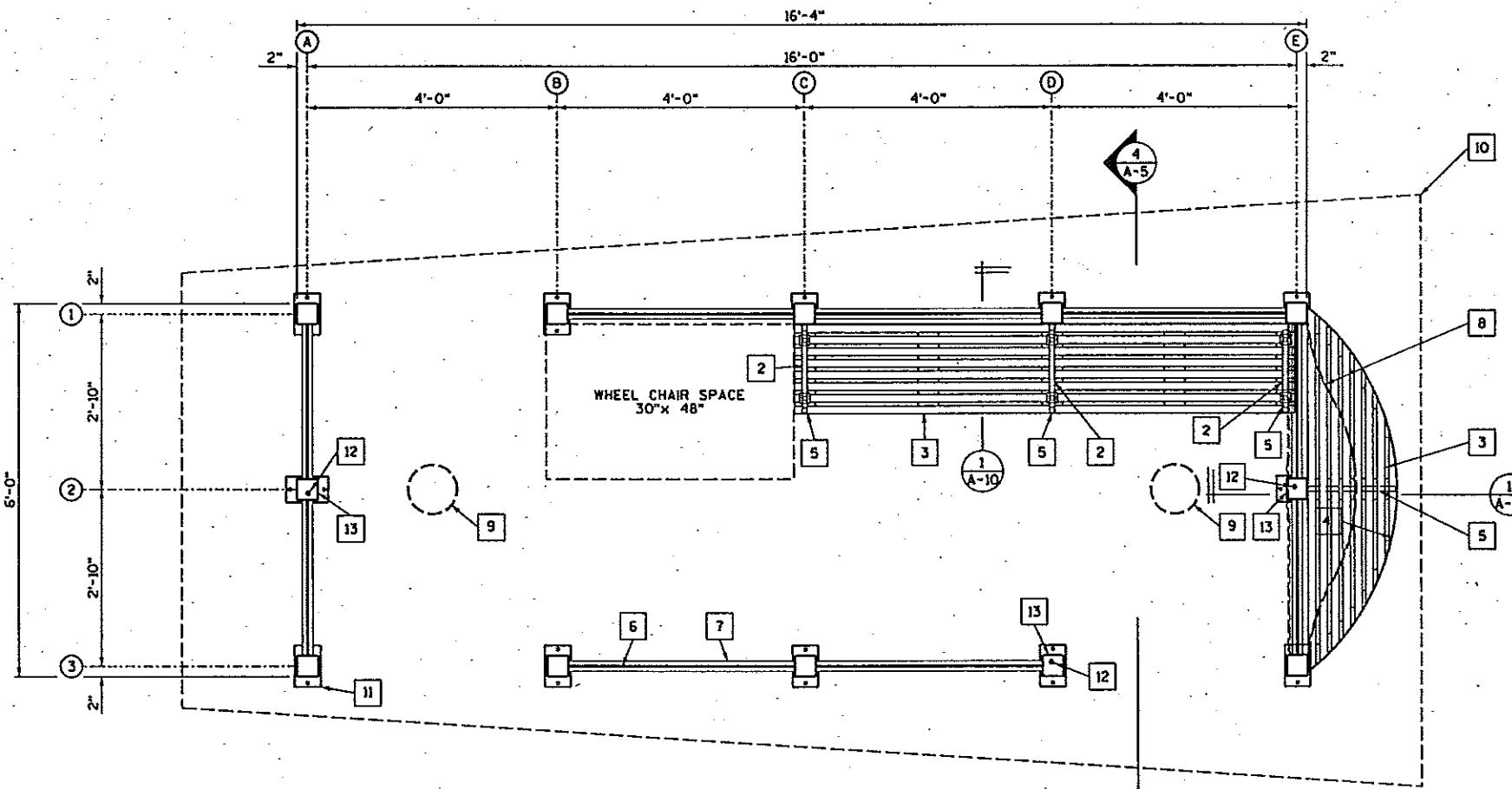
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 SHEET NUMBER  
 SECTION IS SHOWN

REVISION IDENTIFICATION 

ELEVATION CONTROL POINT 

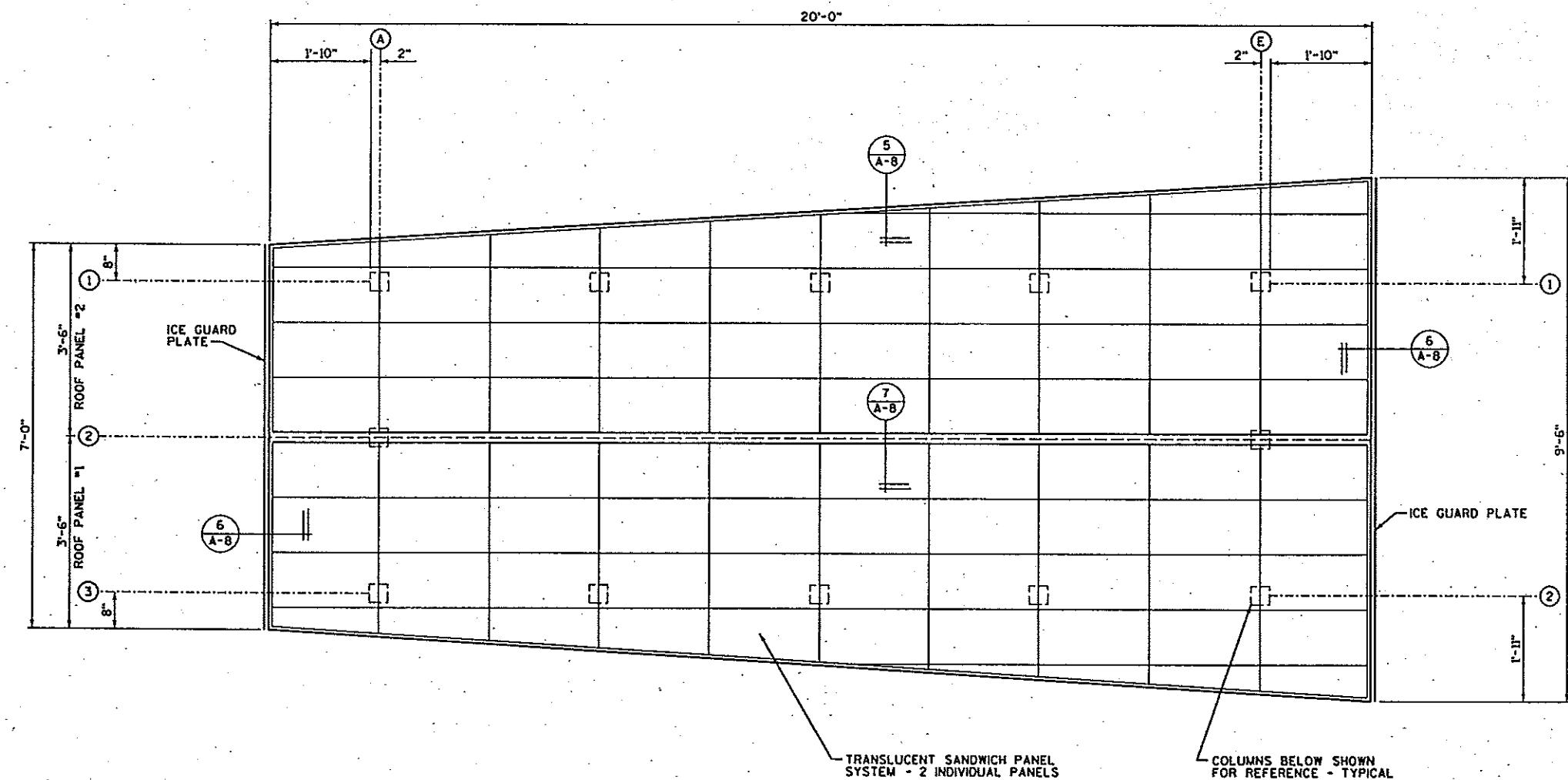
## INDEX OF DRAWINGS

A-1 BUS SHELTER FLOOR PLAN  
 A-2 BUS SHELTER ROOF PLAN  
 A-3 BUS SHELTER ROOF FRAMING PLAN  
 A-4 BUS SHELTER ELEVATIONS  
 A-5 BUS SHELTER ELEVATIONS  
 A-6 BUS SHELTER DETAILS  
 A-7 BUS SHELTER DETAILS  
 A-8 BUS SHELTER DETAILS  
 A-9 BUS SHELTER DETAILS  
 A-10 BUS SHELTER DETAILS



## FLOOR PLAN

SCALE:  $3/8$ " = 1'-0" (11x17)



ROOF PLAN

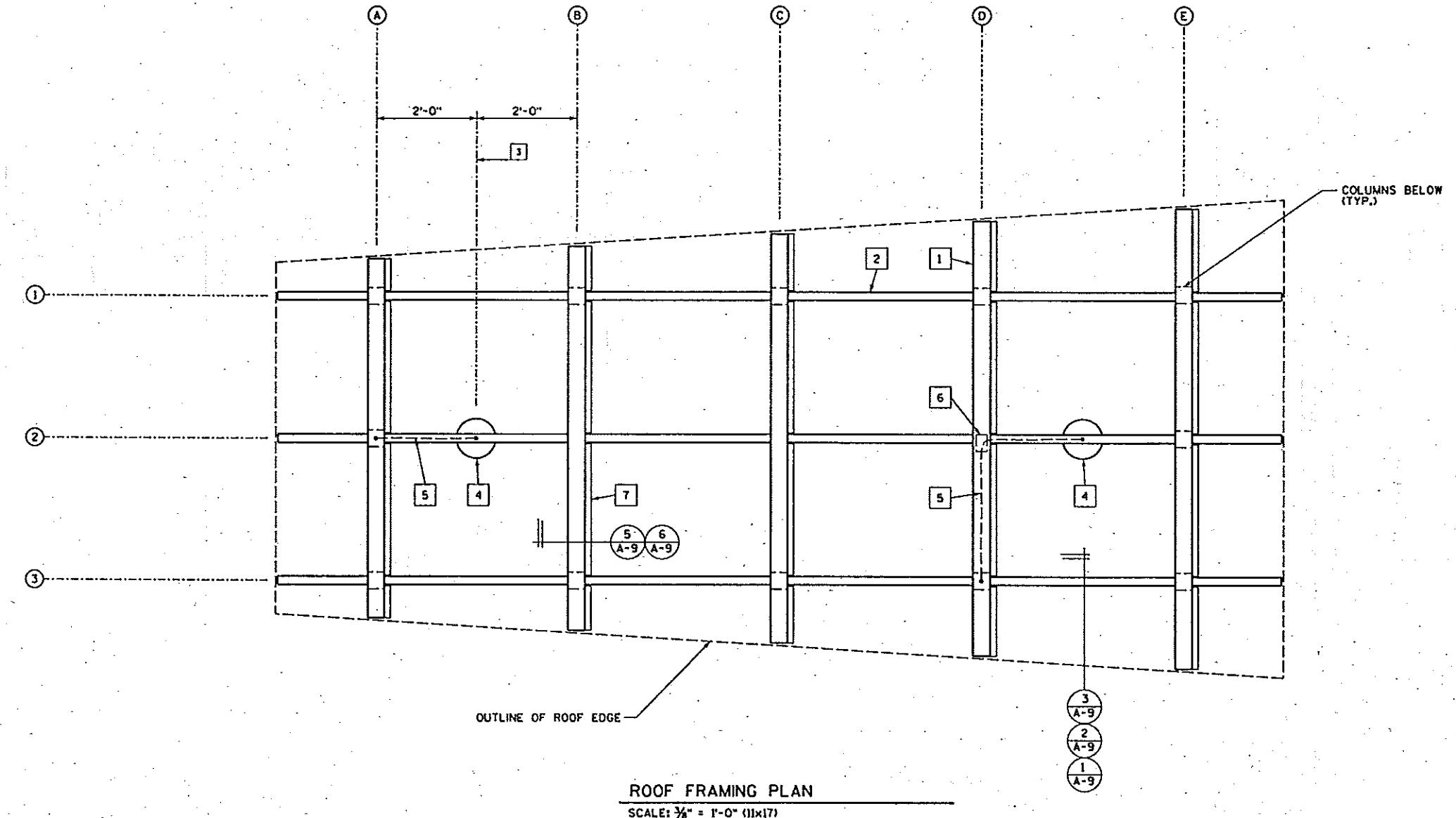
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BOX NOTES

- 1 GLASS
- 2 ICE GUARD PLATE

BOX NOTES

- 1 ROOF CROSS BEAMS AT GRID LINES A THRU E
- 2 CURVED ROOF MEMBERS AT GRID LINES 1 THRU 3
- 3 CENTERLINE OF LIGHT FIXTURE
- 4 LIGHT FIXTURE
- 5 ELECTRIC WIRE ROUTED THROUGH FRAMING BY EC. PROVIDE  $\frac{3}{4}$ " DIAMETER HOLE IN FRAMING FOR WIRE TO PASS THROUGH.
- 6 PROVIDE A HAND HOLE IN THE BOTTOM OF THE ROOF CROSS BEAM AT THE INTERSECTION WITH THE CURVED ROOF MEMBER - SEE 8/A-8
- 7 ROOF PANEL CLIP ANGLE



STATE PROJECT NUMBER: 5992-07-66

HWY: STATE STREET MALL

COUNTY: DANE

A-3 BUS SHELTER ROOF FRAMING PLAN

SCALE, FEET

N/A SHEET NO: SP 69

FILE NAME: k:\plans\hst\bus shelter plan\2-03-04\3730312a03.dgn

PLOT DATE: 02/03/2004

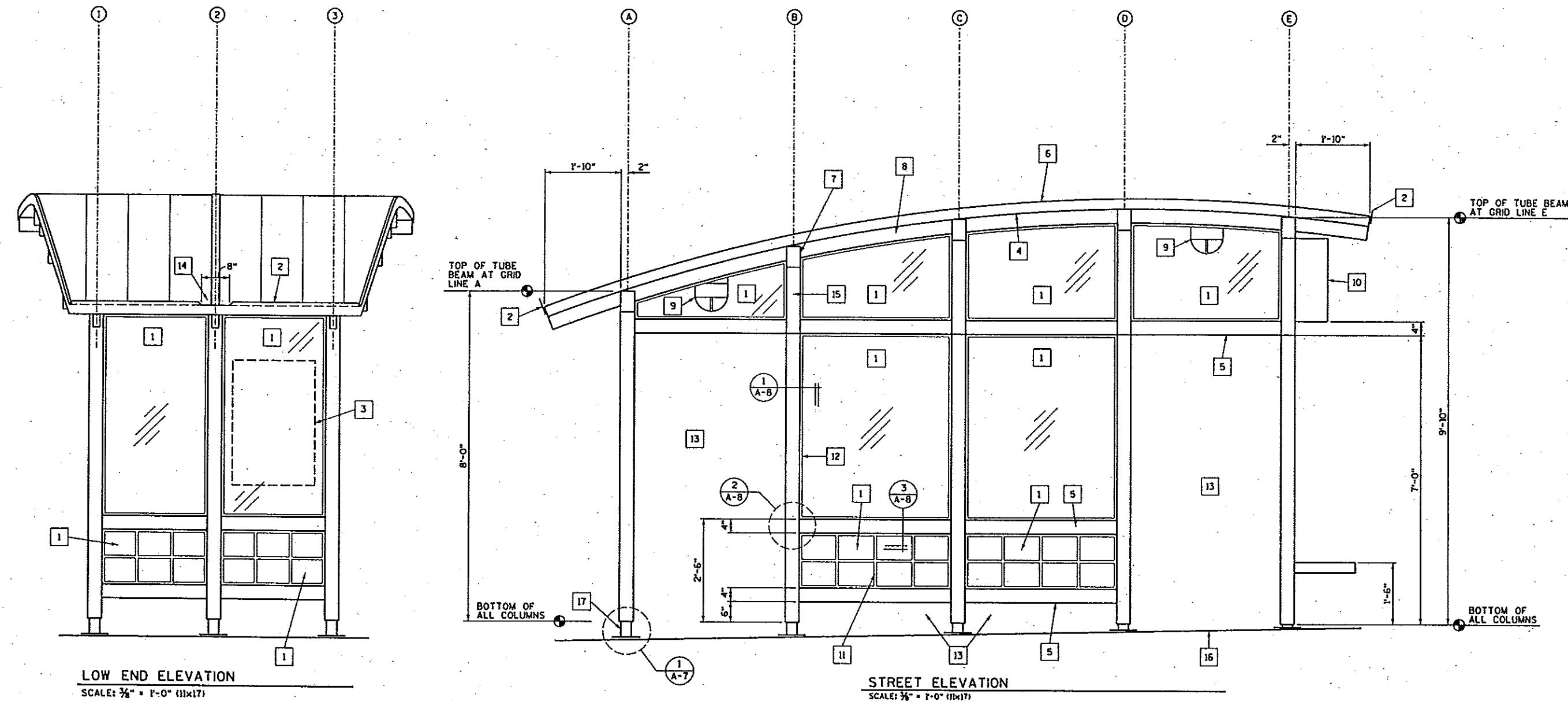
ORG DATE:

PLOT NAME:

Originator: Dist

PLOT SCALE:

WISDOT/CADD'S SHEET 42



STATE PROJECT NUMBER: 5992-07-66

HWY: STATE STREET MALL

COUNTY: DANE

A-4 BUS SHELTER ELEVATIONS

SCALE, FEET

N/A SHEET NO: SP 70

FILE NAME: k:\planshts\bus shelter plan\2-03-04\3730312a04.dgn

PLOT DATE: 02/03/2004

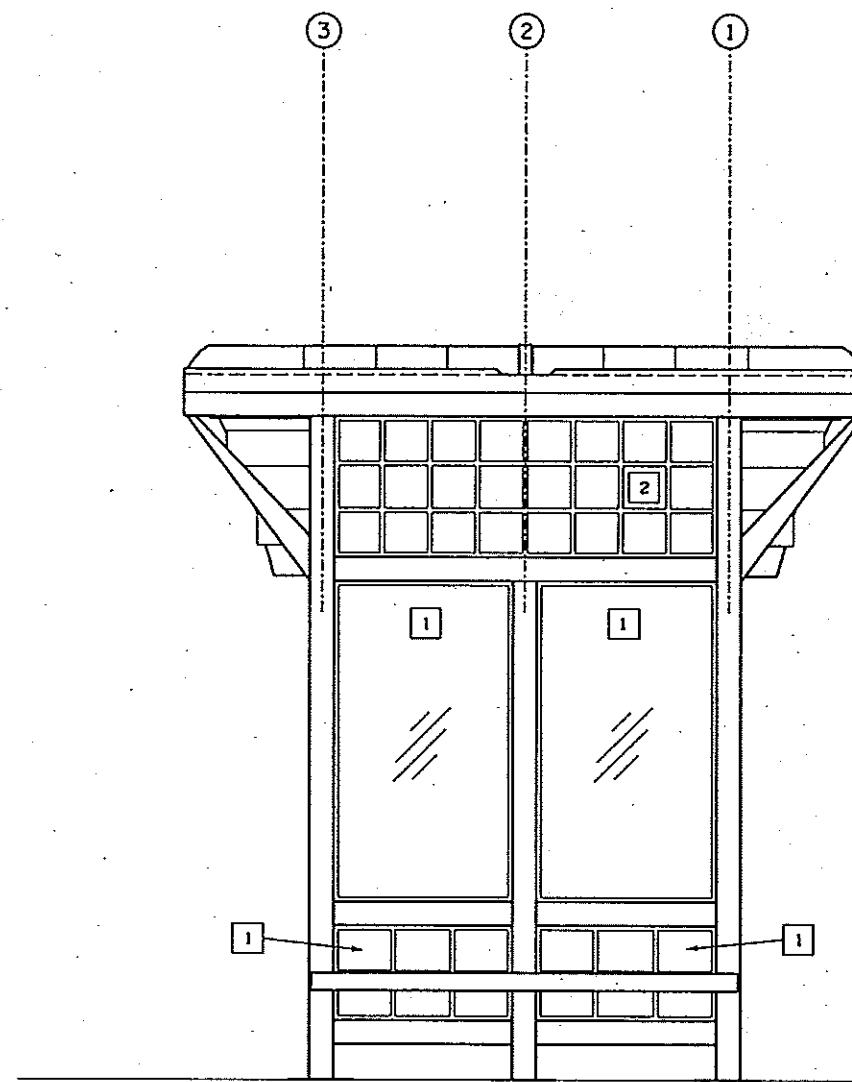
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PLOT NAME:

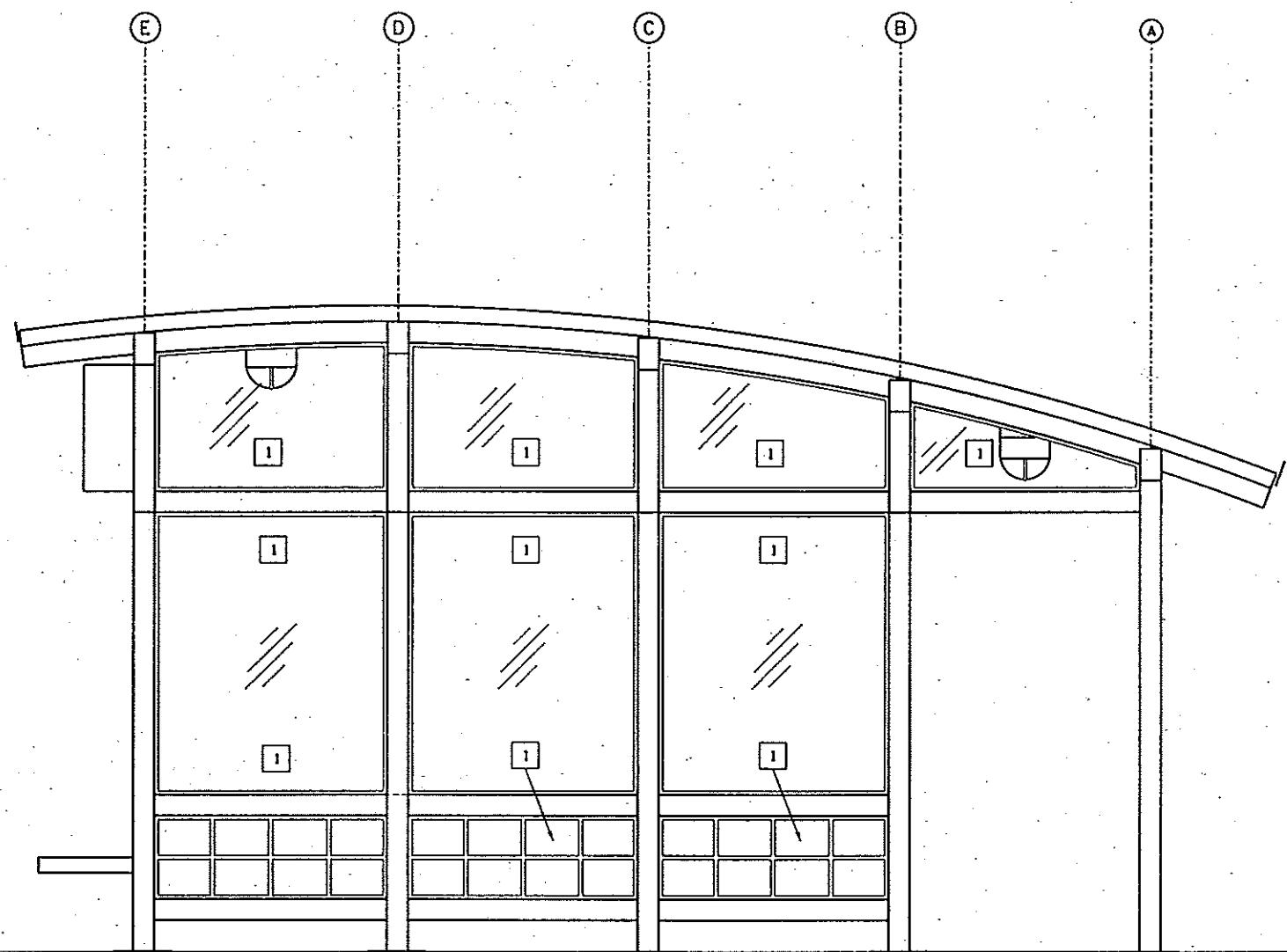
Originator: Dist

PLOT SCALE:

WISDOT/CADD'S SHEET 42



**HIGH END ELEVATION**  
SCALE:  $\frac{1}{64}$ " x 7'-0" (11x17)

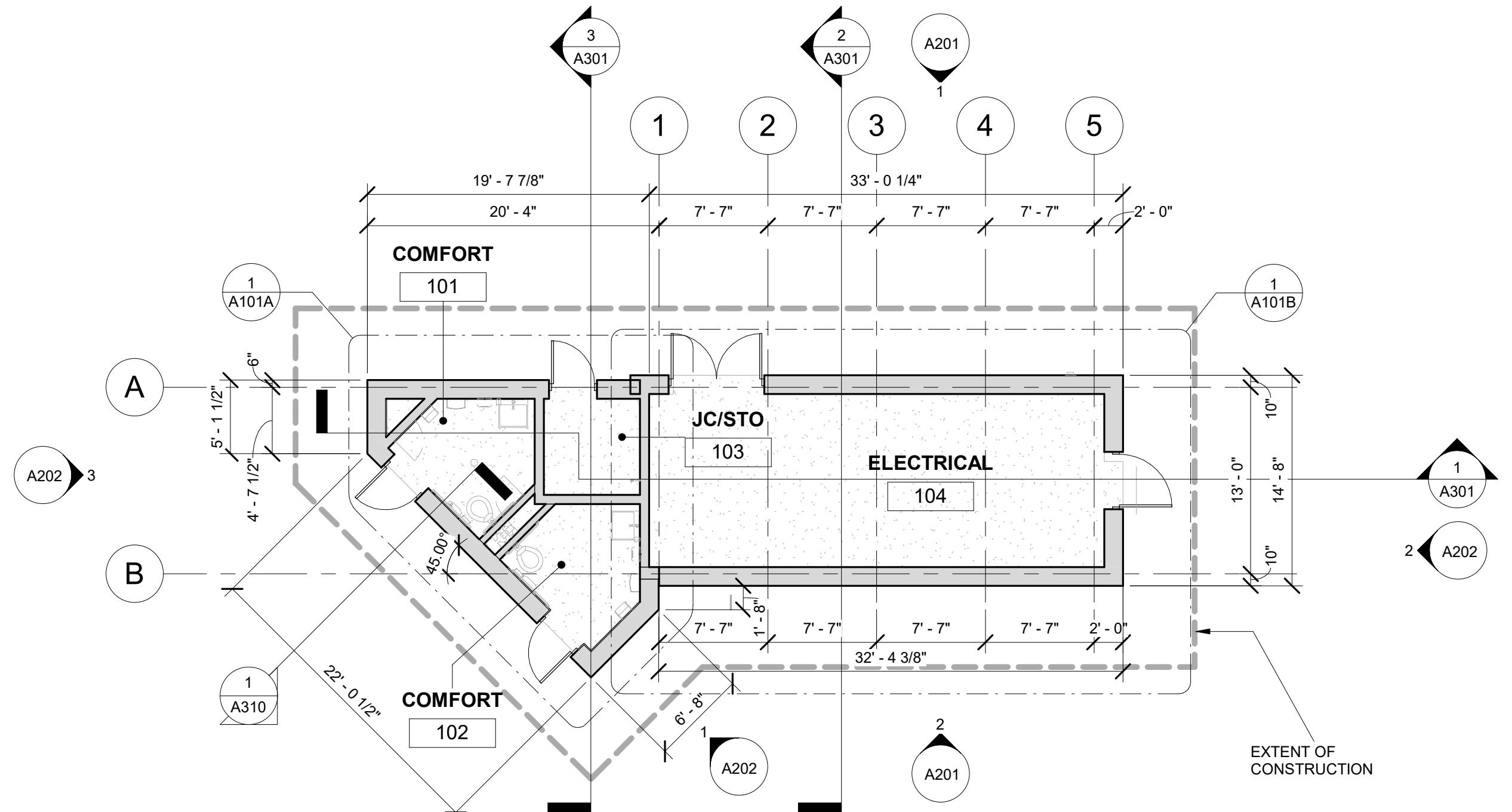


**SIDEWALK ELEVATION**  
SCALE:  $\frac{1}{64}$ " x 7'-0" (11x17)

**BOX NOTES**

- 1 GLASS
- 2 BUS ROUTE SIGN

# Electrical Room and Bathrooms



1  
A201

## **FINISH FLOOR COMBINED**

---

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



COMFORT STATION FINISH FLOOR PLAN OVERALL COMBINED

BUS RAPID TRANSIT

## CITY OF MADISON

60631225P

## CITY OF MADISON, DANE COUNTY, WI

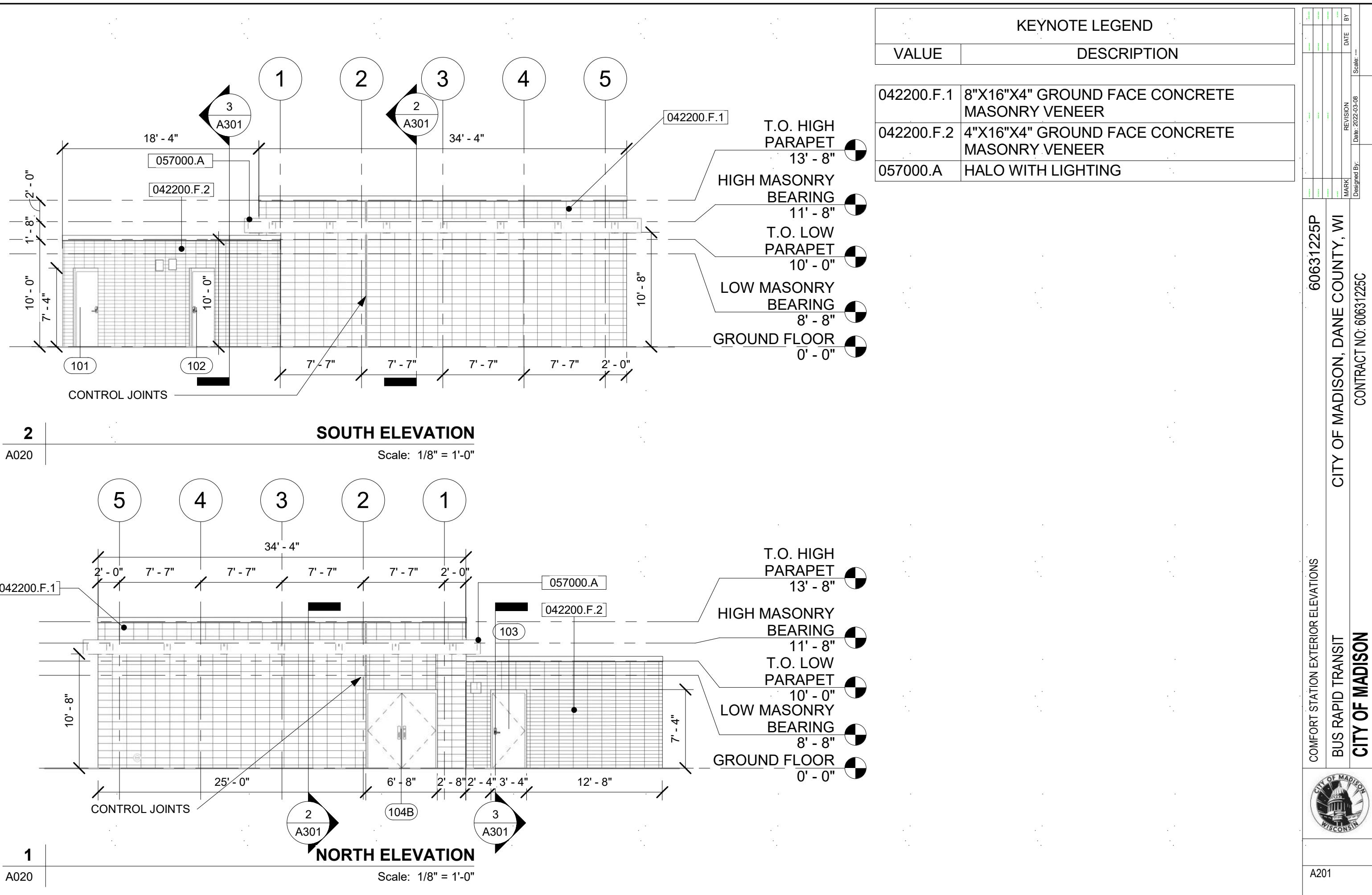
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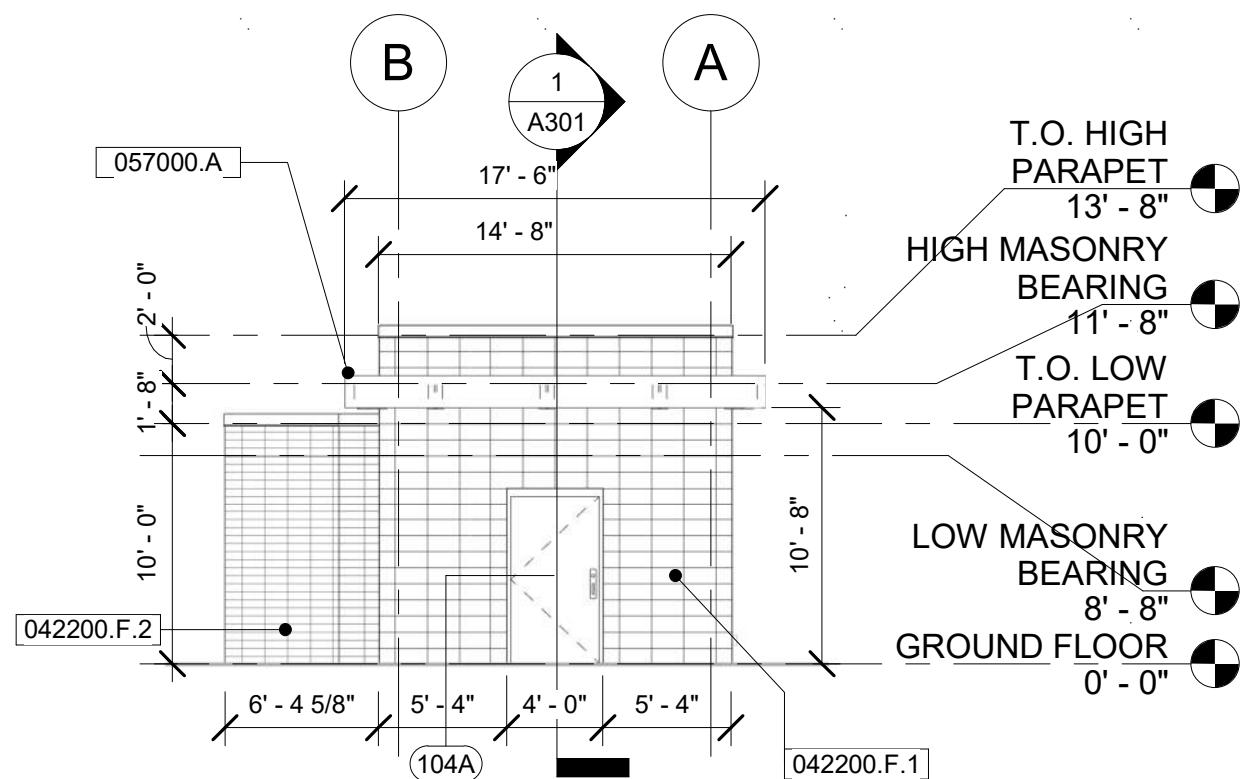
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# CITY OF MADISON, DANE COU

CONTRACT NO: 60631225C

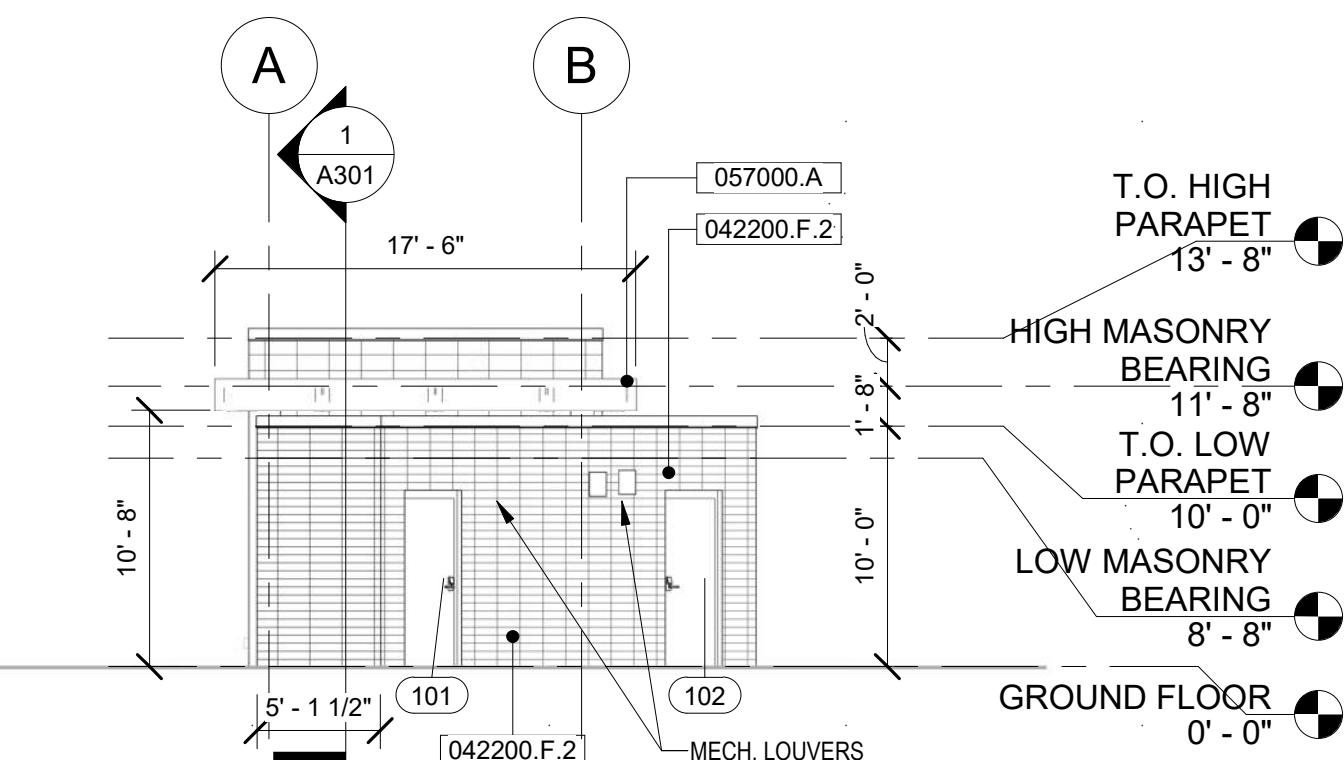
Designed By: \_\_\_\_\_ Date: 2022-03-08 Scale: ---





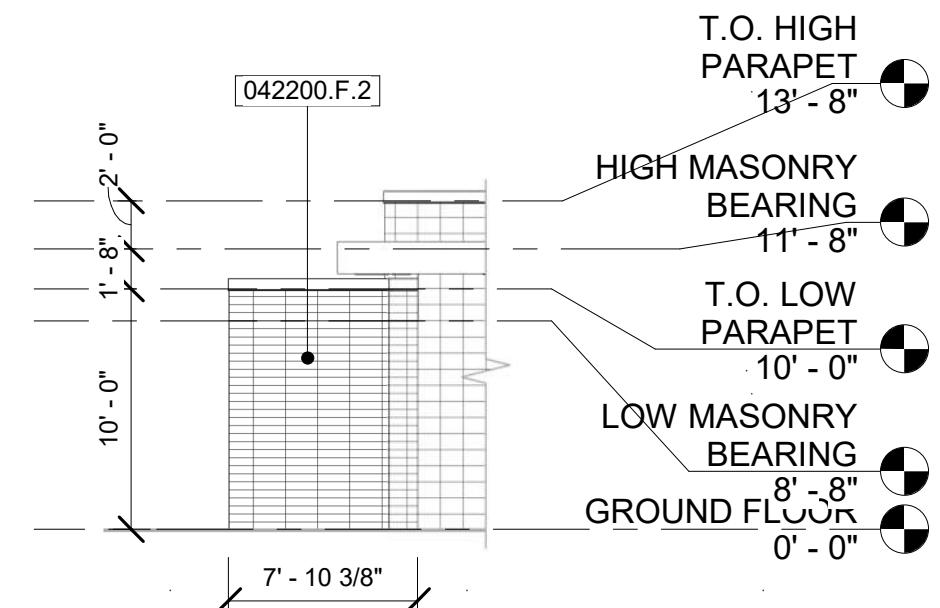
## EAST ELEVATION

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



## WEST ELEVATION

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



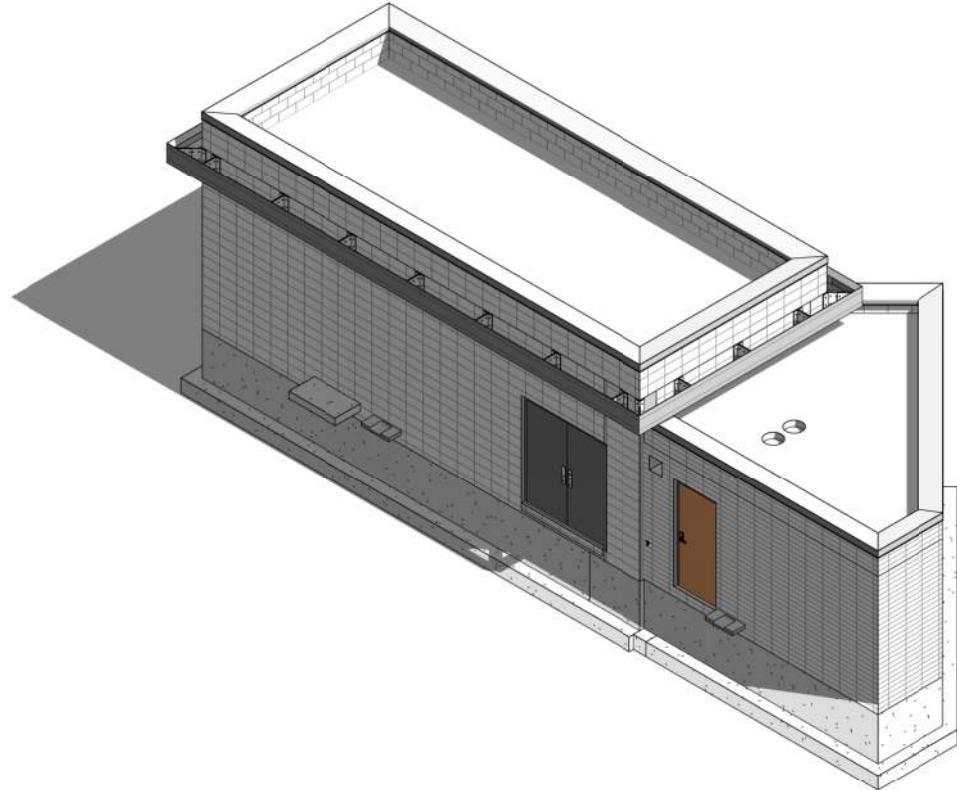
## **SOUTHEAST ELEVATION**

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

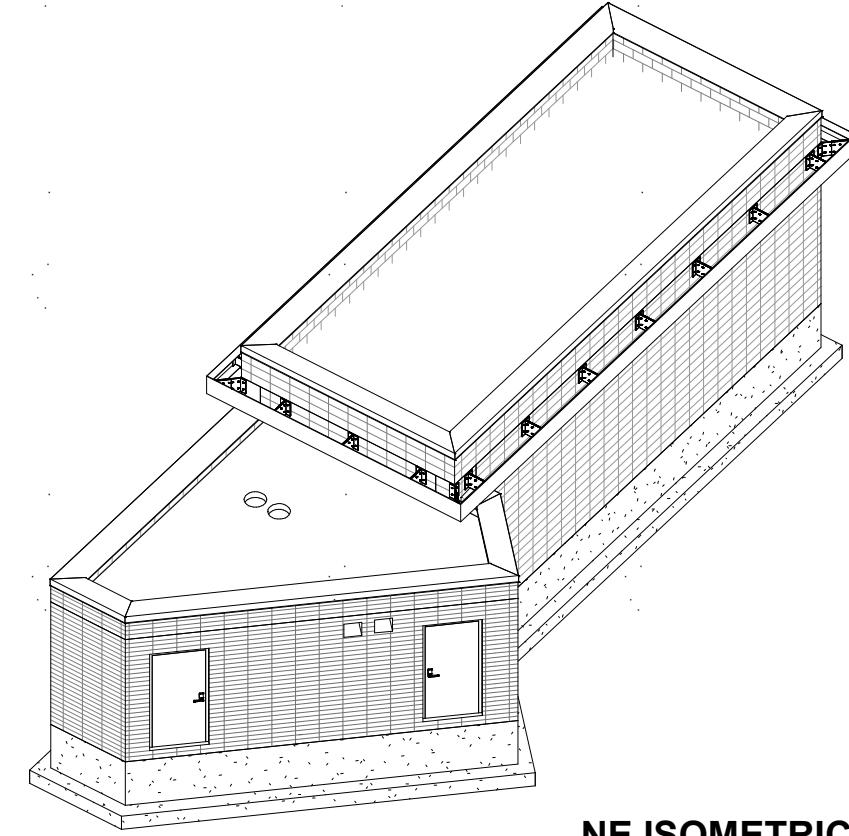
KEYNOTE LEGEND	
VALUE	DESCRIPTION
042200.F.1	8"X16"X4" GROUND FACE CONCRETE MASONRY VENEER
042200.F.2	4"X16"X4" GROUND FACE CONCRETE MASONRY VENEER
057000.A	HALO WITH LIGHTING

COMFORT STATION EXTERIOR ELEVATIONS	
60631225P	
CITY OF MADISON, DANE COUNTY, WI	
CONTRACT NO. 60631225C	
CITY OF MADISON	
BUS RAPID TRANSIT	
60631225P	
MARK	REVISION
Designed By:	Date: 2022-03-08
	Scale: ---



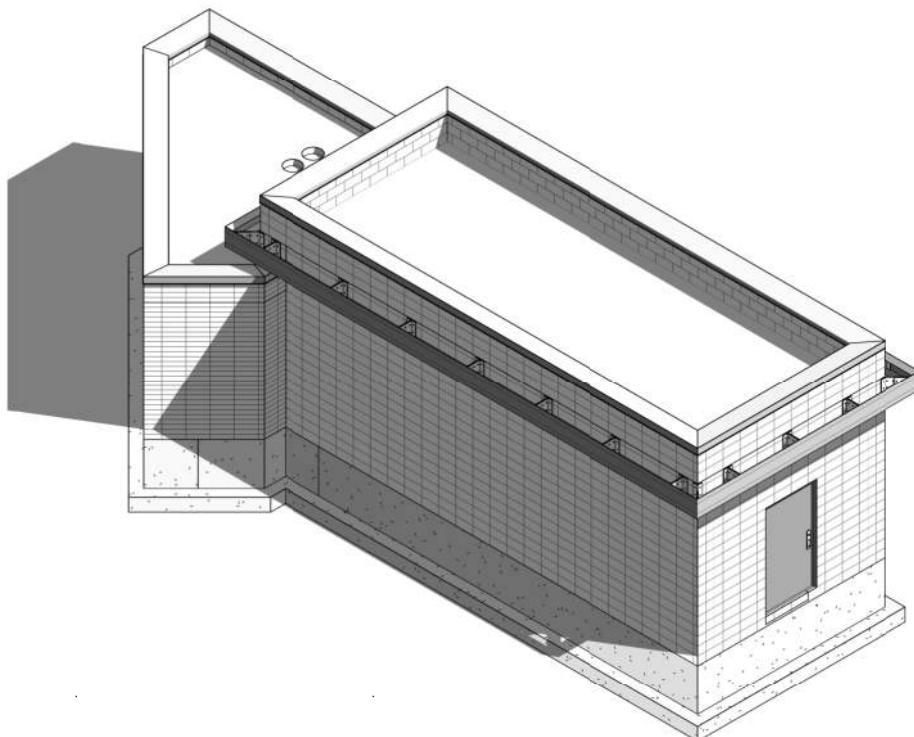
**NW ISOMETRIC**

NTS



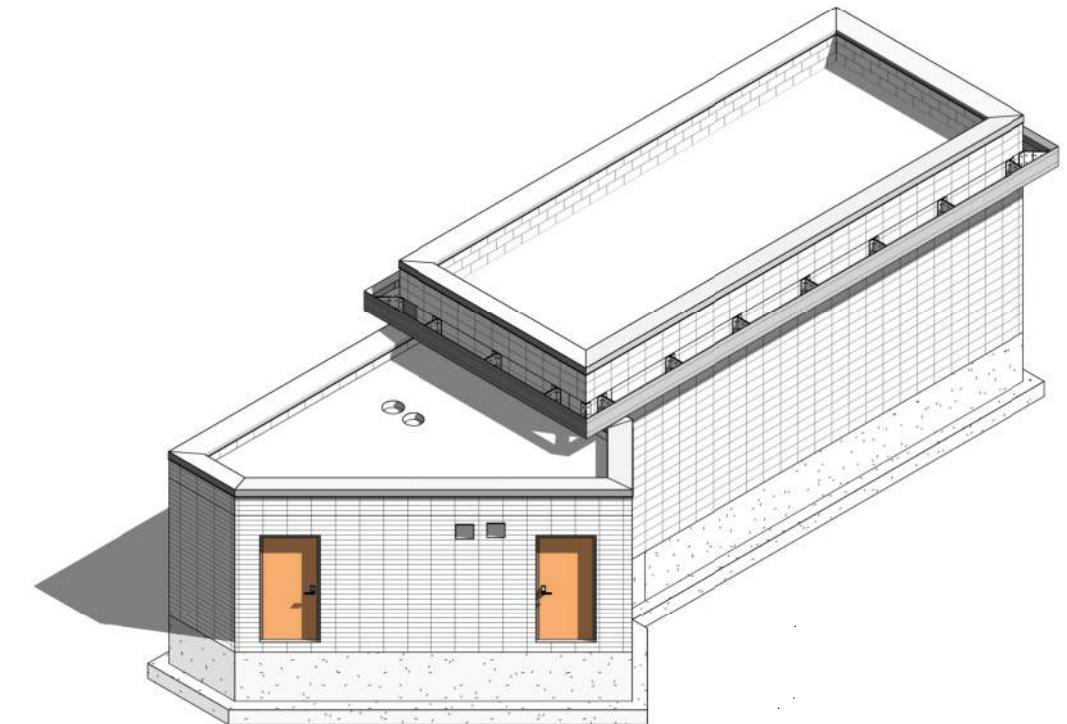
**NE ISOMETRIC**

NTS



**SE ISOMETRIC**

NTS



**SW ISOMETRIC**

NTS

COMFORT STATION ISOMETRIC VIEWS COMBINED	60631225P
BUS RAPID TRANSIT	60631225C
CITY OF MADISON	CITY OF MADISON, DANE COUNTY, WI
CONTRACT NO:	60631225C
MARK	60631225P
DESIGNED BY:	City of Madison
REVISION	0
DATE:	2022-03-08
SCALE:	---
BY:	---



A901

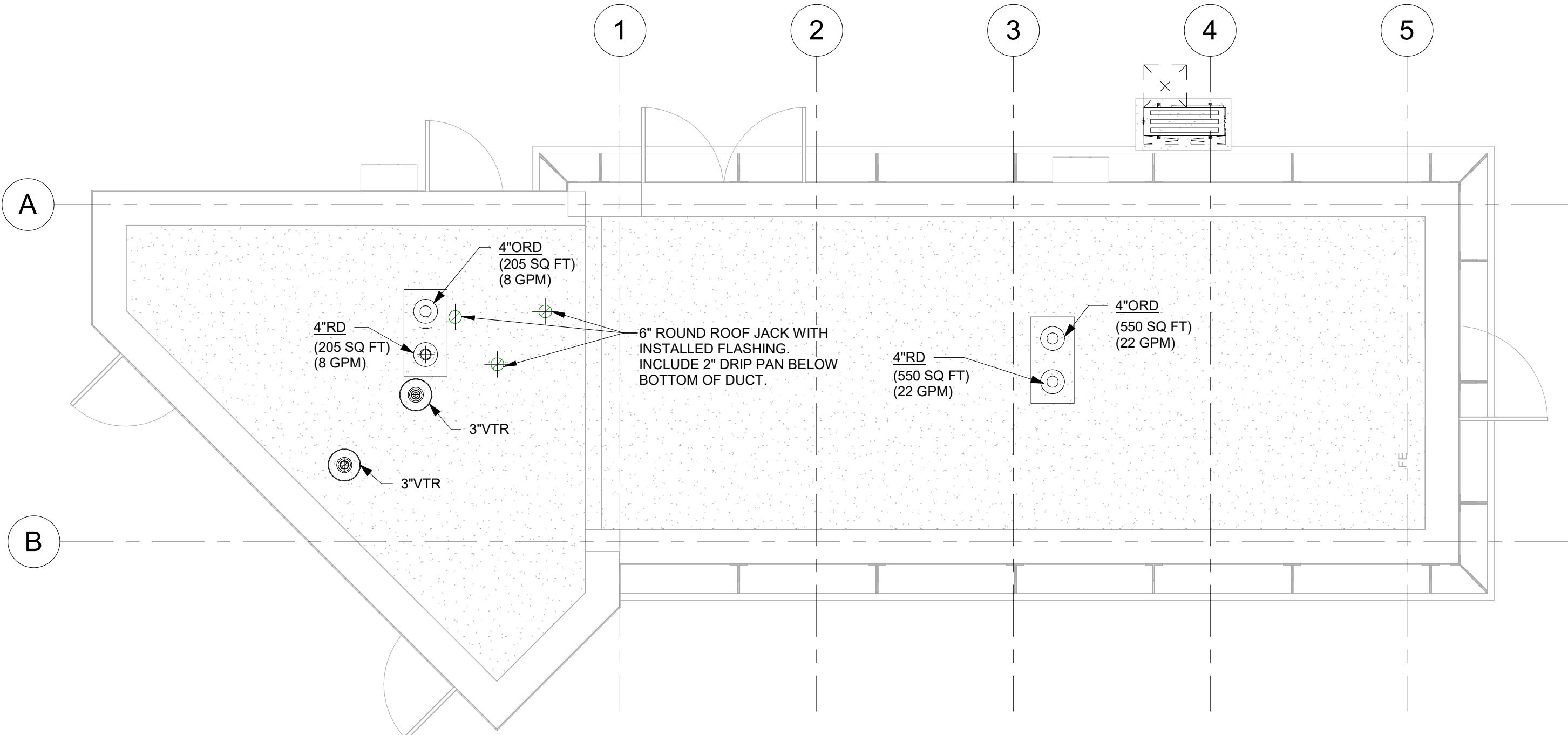
## GENERAL NOTES

REVISED 11/8/2022 TLC

1. ROOF DRAINS SHALL BE EQUIPPED WITH STRAINERS EXTENDING NOT LESS THAN 4 INCHES ABOVE THE SURFACE OF THE ROOF IMMEDIATELY ADJACENT TO THE ROOF DRAIN. STRAINERS SHALL HAVE AN AVAILABLE INLET AREA ABOVE THE ROOF OF NOT LESS THAN 1.5 TIMES THE AREA OF THE CONDUCTOR TO WHICH THE DRAIN CONNECTS.

2. WORK SHOWN IS FOR JUNCTION ROAD TERMINAL. ROUTE SUN PRAIRIE SITE SANITARY SEWER AND STORM WATER PER LOCAL SITE CONDITIONS.

60631225P	11-8-22	JAR	DATE	---
ADDENDUM 3				
REVISION				
Date: 2022-03-08				
Designed By:				
MARK				
CONTRACT NO: 60631225C				
CITY OF MADISON, DANE COUNTY, WI				
CITY OF MADISON				
OVERALL MECHANICAL ROOF PLAN				
BUS RAPID TRANSIT				
CITY OF MADISON				

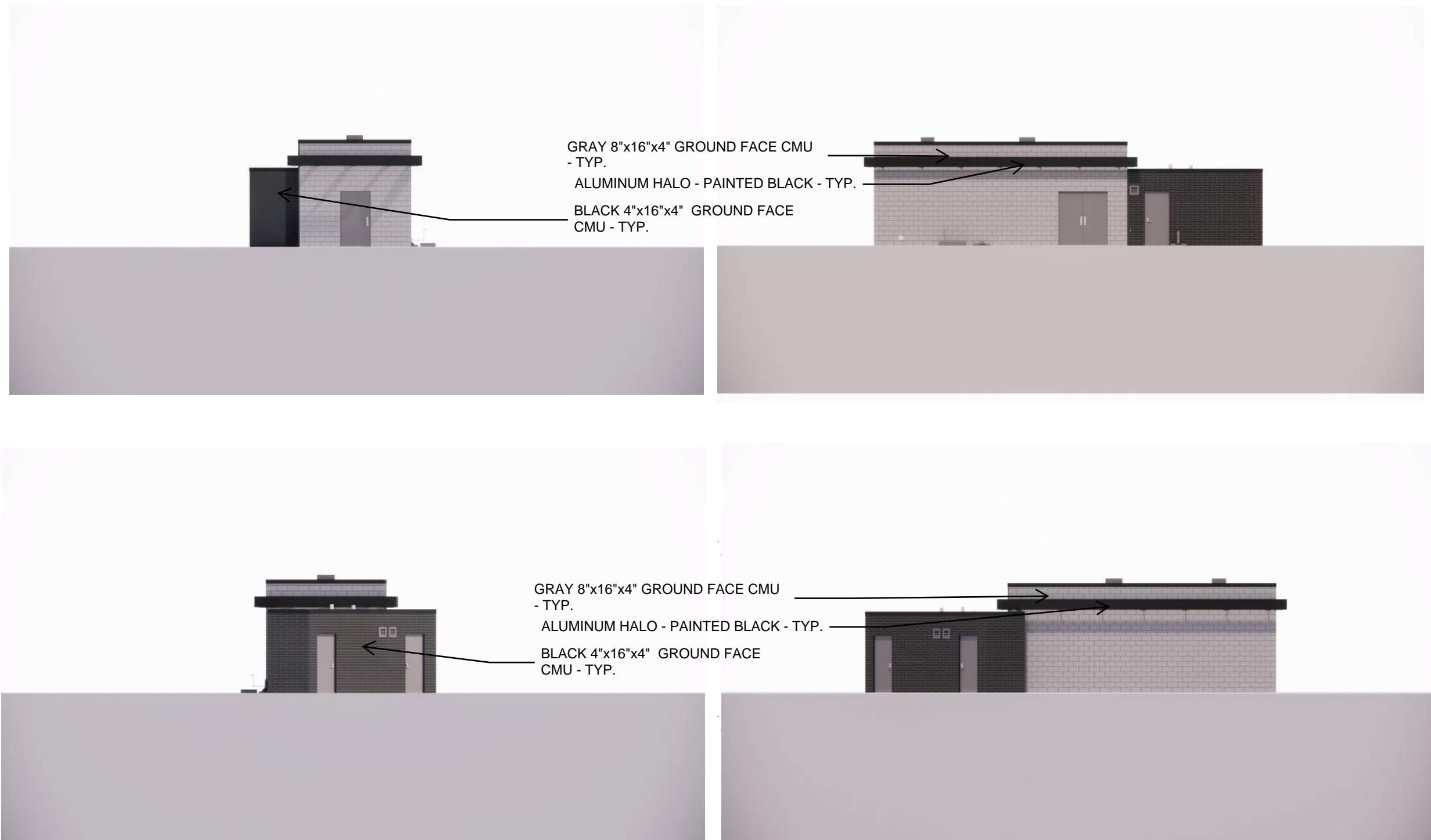


1

OVERALL MECHANICAL ROOF PLAN

Scale: 1/4" = 1'-0"

M002



COMFORT STATION ELEVATIONS

NTS

60631225P	REVISION	MARK	DATE: 2022-03-08	Scale: --	BY
COMFORT STATION ISOMETRIC VIEWS COMBINED					
BUS RAPID TRANSIT					
CITY OF MADISON, DANE COUNTY, WI					
CONTRACT NO: 60631225C					
					

A901



GRAY 8"x16"x4" GROUND  
FACE CMU - TYP.

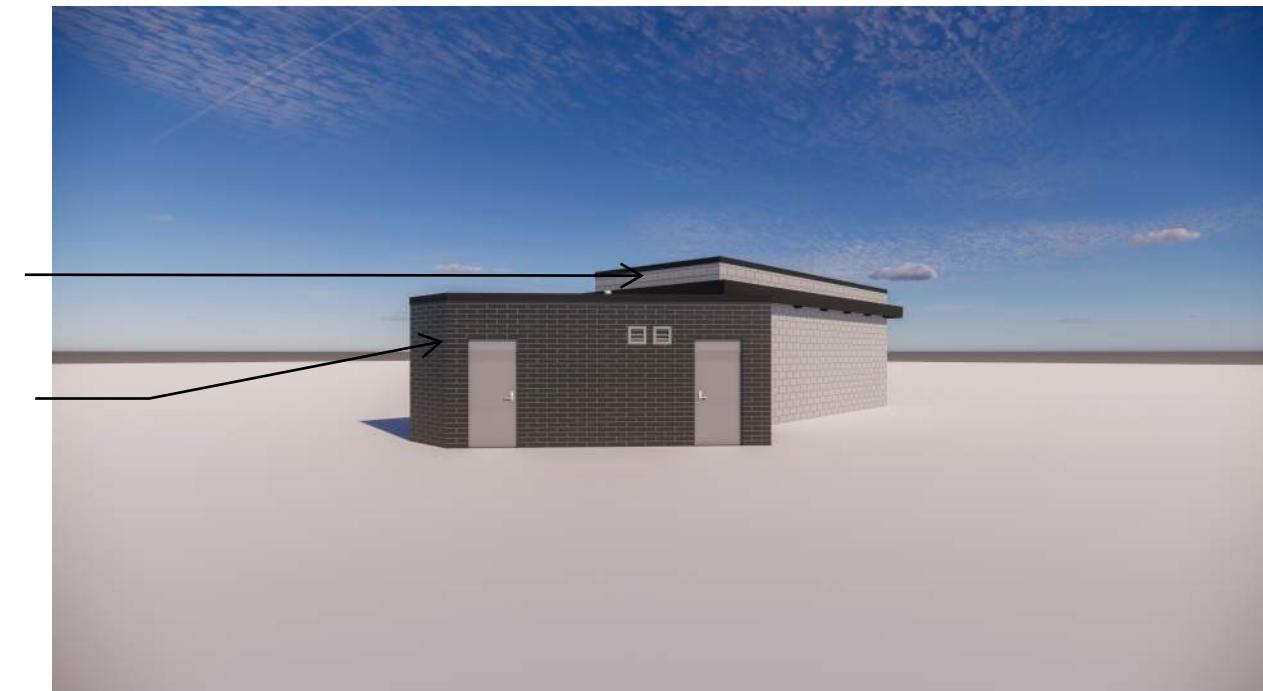
ALUMINUM HALO -  
PAINTED BLACK - TYP.

BLACK 4"x16"x4"  
GROUND FACE CMU -  
TYP.



GRAY 8"x16"x4"  
GROUND FACE CMU -  
TYP.

BLACK 4"x16"x4"  
GROUND FACE CMU -  
TYP.

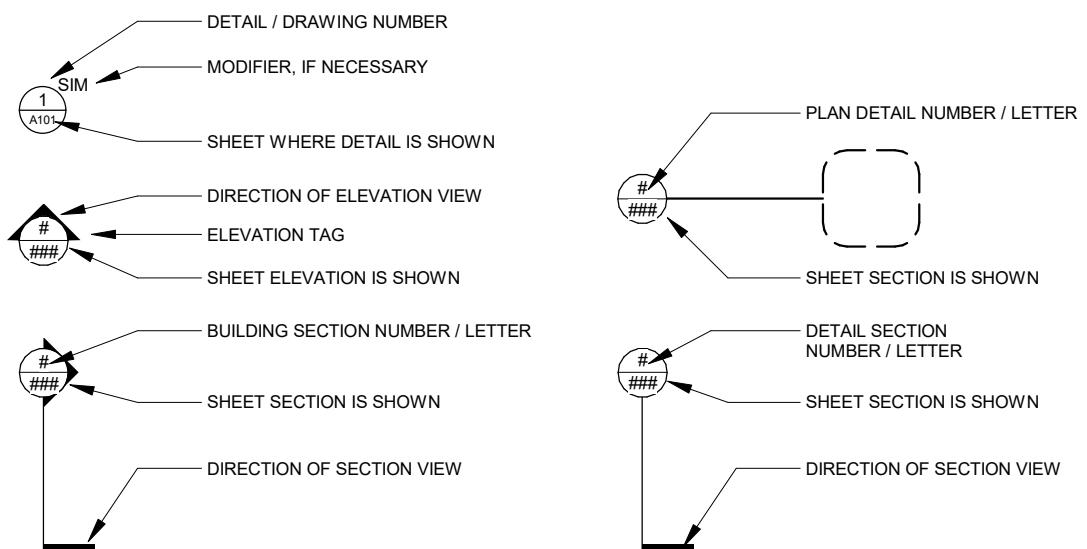


## COMFORT STATION RENDERINGS

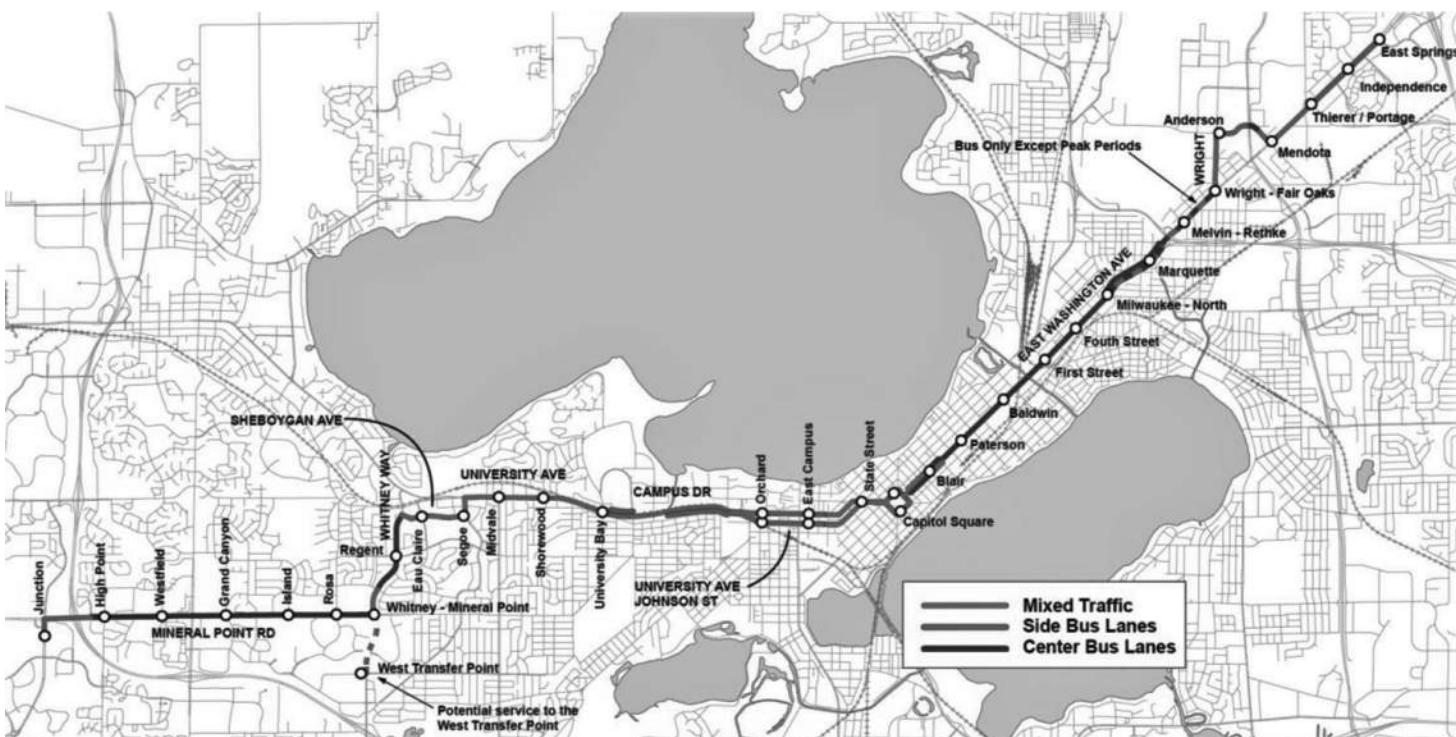
NTS

60631225P	REVISION	MARK	DATE	BY
COMFORT STATION ISOMETRIC VIEWS COMBINED				
BUS RAPID TRANSIT				
<b>CITY OF MADISON</b>				
CONTRACT NO: 60631225C				
				

## ARCHITECTURE GRAPHIC SYMBOLS



## VICINITY MAP



PROJECT LOCATION

CITY, STATE

## ARCHITECTURAL ABBREVIATIONS

A:	C:	E:	H:	O:	S:
AB ANCHOR BOLT	CAB CABINET	EA EACH	H HIGH	OA OVERALL	SCH SCHEDULE
ABV ABOVE	CC CENTER TO CENTER	EB EXPANSION BOLT	HES HIGH EARLY-STRENGTH	OC ON CENTER	SCN SCREEN
AC ACOUSTICAL	CEM CEMENT	EF EACH FACE	HM HOLLOW METAL	OD OUTSIDE DIAMETER	SD STORM DRAIN
ACC ACCESS	CFL COUNTER-FLASHING	EJ EXPANSION JOINT	HORZ HORIZONTAL	OF OUTSIDE FACE	SEC SPECIAL EQUIPMENT
AD AREA DRAIN	CH CEILING HEIGHT	EL ELEVATION	HP HIGH POINT	OP OPAQUE	SG SHEET GLASS
ADD ADDENDUM	CJ CONTROL JOINT	ELEC ELECTRIC, ELECTRICAL	HR HANDRAIL	OPG OPENING	SHO SHORE, SHORED, SHORING
ADH ADHESIVE	CK CAULK, CAULKING	ENC ENCLOSE, ENCLOSURE	HT HEIGHT	OPH OPPOSITE HAND	SHT SHEET
ADJ ADJACENT	CLG CEILING	EP ELECTRICAL PANELBOARD	HTG HEATING	OPP OPPOSITE	SHTH SHEATHING
ADJT ADJUSTABLE	CLR CLEAR, CLEARANCE	EPC EPOXY COATING	L:	OPS OPPOSITE SURFACE	SIM SIMILAR
AESS ARCHITECTURAL EXPOSED STRUCTURAL STEEL	CLS CLOSURE	EQ EQUAL	L LENGTH	OWJ OPEN WEB JOIST	SKL SKYLIGHT
AMPS AMP ACoustical METAL PANEL	COL COLUMN	EQP EQUIPMENT	LC LIGHT CONTROL	SL SLEEVE	SLR SEALER
AMR AMCOUSTICAL METAL ROOF	COMB COMBINATION	EW EACH WAY	LG LONG	PAR PARALLEL	SLT SLATE
ANR ANCHOR, ANCHORAGE	CONC CONCRETE	CONCT CONCRETE TOPPING	LH LEFT HAND	PERF PERFORATE, PERFORATED	SNT SEALANT
ANOD ANODIZED	CONN CONNECTION	EXP EXPOSED	LL LIVE LOAD	SPEC SPECIFICATION	SPK SPEAKER
AP ACCESS PANEL	CORR CORRUGATED	EXPN EXPANSION	LPT LOW POINT	PF PORTAL FRAME	SPL SPECIAL
APX APPROXIMATE	CONST CONSTRUCTION	F:	M:	PFB PREFABRICATED	SQ SQUARE
BD BOARD	CONT CONTINUOUS	FBO FURNISHED BY OTHERS	M METER	PFN PREFINISHED	SS STAINLESS STEEL
BEL BELOW	CONTR CONTRACTOR,	FDN FOUNDATION	MAS MASONRY	PNL PANEL	STA STATION
BET BETWEEN	D DRAIN	FFE FINISH FLOOR ELEVATION	MAX MAXIMUM	PRF PREFORMED	STD STANDARD
BF BARRIER-FREE	DEP DEPRESSED	FFL FINISHED FLOOR LINE	MB MACHINE BOLT	PSC PRESTRESSED CONCRETE	STG SEATING
BIT BITUMINOUS	DIA DIAMETER	FIN FINISH, FINISHED	MBR MEMBER	PSF POUNDS PER SQUARE	STL STEEL
BJT BED JOINT	DIAG DIAGONAL	FJT FLUSH JOINT	MET METAL	PSI POUNDS PER SQUARE	STO STORAGE
BLK BLOCK (STANDARD WEIGHT)	DM DIMENSION	FLG FLASHING	MEZZ MEZZANINE	PTC POST-TENSIONED	STR STRAIGHT
BM BEAM, BENCHMARK	DIV DIVISION	FLX FLEXIBLE	MFR MANUFACTURER	PVMT PAVEMENT	STRUCT STRUCTURAL
BOT BOTTOM	DK DECK	FOF FACE OF FINISH	MMB MEMBRANE	R:	SWM SURFACE APPLIED
BP BEARING PLATE	DL DEAD LOAD	FOS FACE OF STUDS	MRD METAL ROOF DECK	RCP REINFORCED CONCRETE	SYM SYMMETRICAL, SYMMETRY
BRG BEARING	DN DOWN	FR FRAME, FRAMED,	MT MOUNT, MOUNTED,	RD ROOF DRAIN	T:
BS BOTH SIDES	DP DAMPROOFING	FT FOOT, FEET	MTFR METAL FURRING	RE REINFORCE, REINFORCED,	T TOP
BT BENT	DS DOWNSPOUT	FTG FOOTING	MTL MATERIAL	REF REFERENCE	TC TOP CHORD
BULT BULLETIN	DSAGL DSA GLASS	GA GAUGE	MULL MULLION	REM REMOVE, REMOVABLE	THK THICK, THICKNESS
BUR BUILT-UP ROOF	DSBGL DSB GLASS	GD GRADE, GRADING	N:	REQ REQUIRED	TOC TOP OF CONCRETE
BVL BEVELED	DT DRAIN TILE	GKT GASKET, GASKETED	NMT NON-METALLIC	REV REVISED, REVISION	TOF TOP OF FOOTING
BW BOTH WAYS	DTL DETAIL	GL GLASS, GLAZING	NOM NOMINAL	RFG ROOFING	TOJ TOP OF JOIST
	DWG DRAWING	GSS GALVANIZED STEEL SHEET	NS NEAR SIDE	RH RIGHT HAND	TOL TOLERANCE
	DWL DOWEL	GV GALVANIZED	NTS NOT TO SCALE	RL RAIL, RAILING	TOM TOP OF MASONRY
		GVL GRAVEL		RO ROUGH OPENING	TOP TOP OF PIER
				ROW RIGHT OF WAY	TSL TOP OF SLAB
					TST TOP OF STEEL
					TYP TYPICAL
					T&B TOP AND BOTTOM
					V:
					V VERTICAL
					VA VARIES
					VIF VERIFY IN FIELD
					W:
					W WIDTH, WIDE
					W/ WITH
					WIN WINDOW
					WO WITHOUT
					WP WATERPROOF,
					WPT WORKING POINT
					WR WATER REPELLENT

ARCHITECTURAL COVER SHEET  
BUS RAPID TRANSIT  
CITY OF MADISON

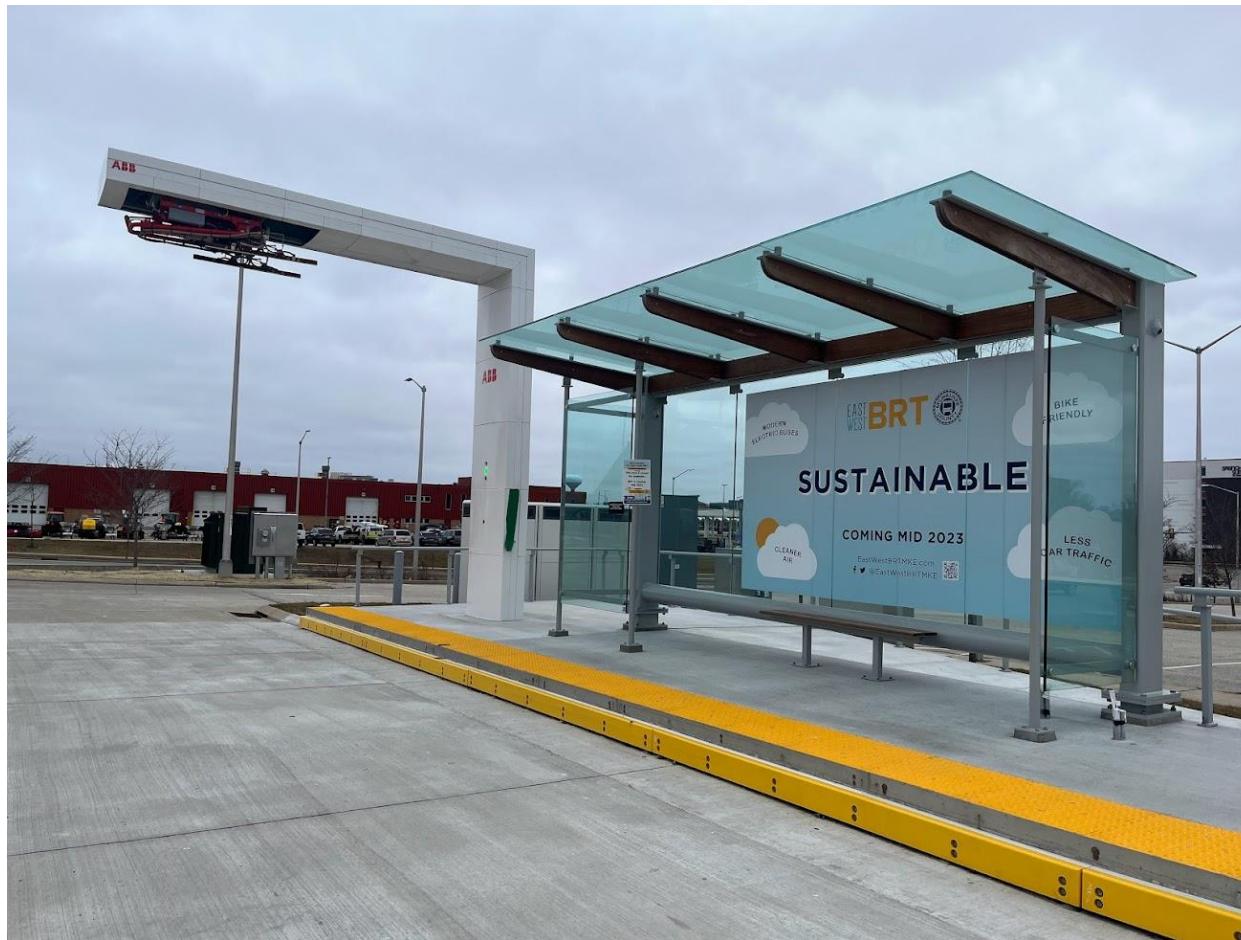


60631225P

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DATE:	2022-03-08
REVISION:	
MARK:	60631225C

## Overhead Charger Example Pictures from Milwaukee BRT



# Bike Shelter and Rack

