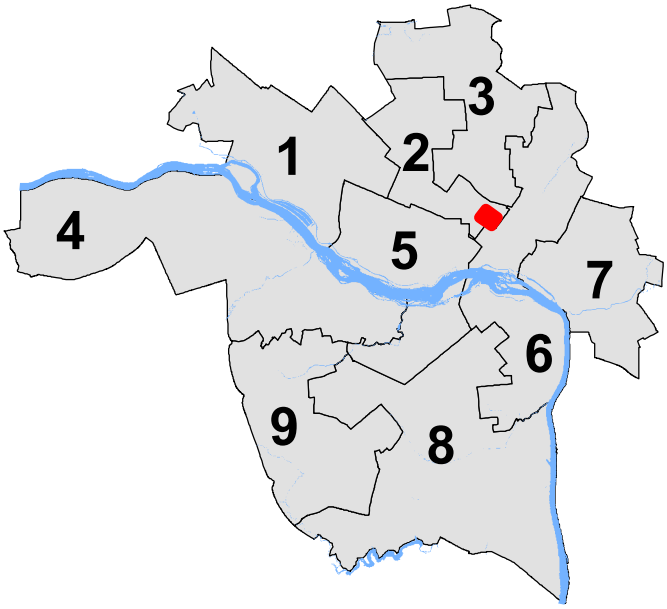
City of Richmond
Department of Planning & Development Review

Encroachment & Parklet

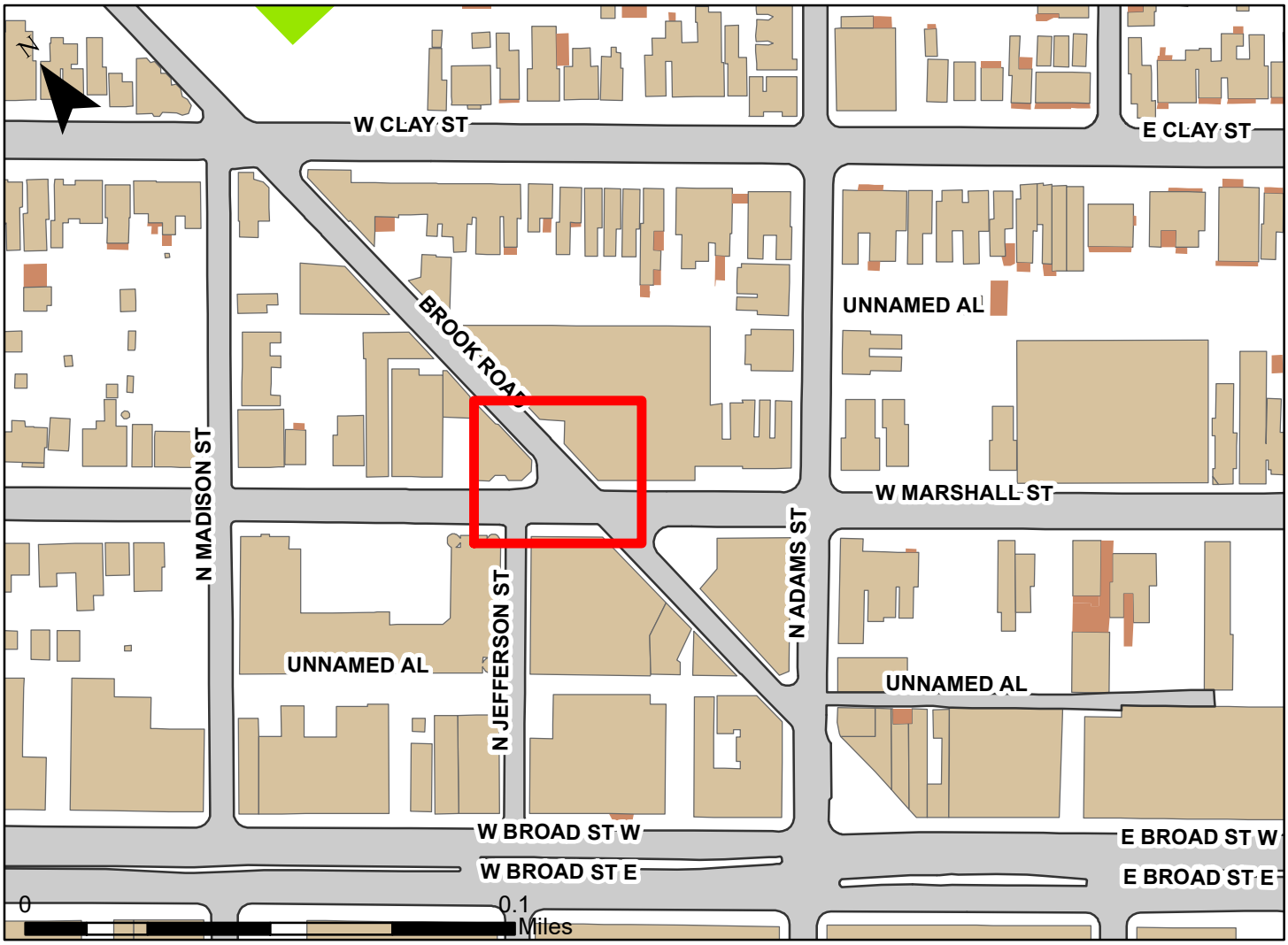
LOCATION: Intersection of Brook Road and W. Marshall Street

COUNCIL DISTRICT: 2

PROPOSAL: Review of a Pedestrian Plaza and a Parklet at the intersection of Brook Road and W. Marshall Street.



For questions, please contact Alex Dandridge at 646-6569 or alex.dandridge@richmondgov.com



Application for Urban Design Committee Review

Department of Planning and Development Review
Planning & Preservation Division
900 E. Broad Street, Room 510
Richmond, Virginia 23219 | (804) 646-6335
https://www.rva.gov/planning-development-review/urban-design-committee

RICHMOND PLANNING & DEVELOPMENT REVIEW
PDR

Application Type (select one)

- [x] Location, Character, & Extent
- [ ] Section 17.05
- [ ] Other:
- [x] Encroachment
- [ ] Design Overlay District

Review Type (select one)

- [ ] Conceptual
- [x] Final

Project Information

Submission Date: 4/15/2021

Project Name: Brook and Marshall Placemaking Project

Project Address: Intersection of Brook Road and W Marshall St

Brief Project Description (this is not a replacement for the required detailed narrative):

The Brook and Marshall Placemaking Project (official name TBD) has three important elements grouped together at the intersection of W Marshall Street and Brook Road in the Arts District/Jackson Ward neighborhood. The first element of the project is to install a pedestrian plaza near the front door of Gallery 5, which is situated on a sharp angle of under-utilized street space. The second element of the project is an intersection mural in the trapezoid intersection of Brook and Marshall. Finally, a parklet will be installed in front of ART 180, providing a gathering and education space for their program youth and surrounding community members. For purposes of this application, only the plaza and parklet are being considered for encroachments. The intersection mural will follow a separate process.

Applicant Information (a City representative must be the applicant, with an exception for encroachments)

Name: Susan Glasser Email: susan.glasser@richmondgov.com

City Agency: Planning and Development Review/Public Art Program Phone:

Main Contact (if different from Applicant): Sean Wheeler

Company: Walter Parks Architects Phone: 804.552.1612

Email: sean@wparks.com

Submittal Deadlines

All applications and support materials must be filed no later than 21 days prior to the scheduled meeting of the Urban Design Committee (UDC). Please see the schedule on page 3 as actual deadlines are adjusted due to City holidays. **Late or incomplete submissions will be deferred to the next meeting.**

Filing

Applications can be mailed or delivered to the attention of "Urban Design Committee" at the address listed at the top of this page. **It is important that the applicant discuss the proposal with appropriate City agencies, Zoning Administration staff, and area civic associations and residents prior to filing the application with the UDC.**

Submittal Deadlines

The UDC is an 11 member committee created by City Council in 1968 whose purpose is to advise the City Planning Commission (CPC) on the design of projects on City property or right-of-way. The UDC provides advice of an aesthetic nature in connection with the performance of the duties of the Commission under Sections 17.05, 17.06, and 17.07 of the City Charter. The UDC also advises the Department of Public Works in regards to private encroachments in the public right-of-way.

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Submssion Requirements

•An electronic copy (PDF preferred) of all application materials, which can be emailed, or delivered by FTP or USB.
•Three (3) copies of the application cover sheet and all support materials (see below).
•Plan sheets should be 11" x 17", folded to 8 1/2" x 11". If it is not possible to scale plans to these dimensions, please provide one set of larger, scaled plans.
•All applications must include the attached cover sheet and the following support materials, as applicable to the project, based on Review Type:

Conceptual Review:

•A detailed project narrative which includes the following: purpose of the project, project background, project budget and funding sources, description of construction program and estimated construction start date (description should also provide information on the surrounding area to provide context).
•A site plan for the project indicating site characteristics which include: building footprints, parking areas, pedestrian routes, recreation areas, open areas, and areas of future expansion.
•A set of floor plans and elevations, as detailed as possible.
•A landscaping plan which shows the general location and character of plant materials and notes any existing tree to be removed.

Final Review:

•A detailed project narrative which includes the following: purpose of the project, project background, project budget and funding sources, description of construction program, and estimated construction start date (description should also provide information on the surrounding area to provide context).
•A site plan for the project indicating site characteristics which include: building footprints, parking areas, pedestrian routes, recreation areas, open areas, and areas of future expansion.
•A set of floor plans and elevations, as detailed as possible.
•A landscaping plan that includes a complete plant schedule, the precise location of all plant materials, and a landscape maintenance analysis. The plant schedule must show number, size and type of each planting proposed. If existing trees are to be removed, their size, type, and location must be noted on the landscape plan.
•The location of all lighting units should be noted on a site plan, including wall-mounted, site, and parking lot lighting. Other site details such as benches, trash containers, and special paving materials should also be located. Include specification sheets for each item.
•Samples of all proposed exterior building materials, including but not limited to brick, mortar, shingles, siding, glass, paint, and stain colors. When an actual sample cannot be provided, a product information sheet that shows the item or a photo of an existing item may be substituted.

Review and Processing

•Once an application is received, it is reviewed by Staff, who compiles a report that is sent to the UDC.
•A copy of the report and the meeting agenda will be sent to the applicant prior to the meeting.
•At the UDC meeting, the applicant or a representative should be present or the application may be deferred to the next regularly scheduled meeting. It is also strongly suggested that a representative of the City Agency which will have final responsibility for the item be present at the meeting (if the applicant and the representative are not the same).
•Once the UDC recommends action on the application, it is automatically placed on the agenda for the next City Planning Commission (CPC) meeting. Exceptions to this are encroachment applications, recommendations for which are forwarded to the Department of Public Works.
•At the CPC meeting, the applicant or a representative should be present, or the application may be deferred to the next regularly scheduled meeting.

last revised 12/21/2020

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Regular meetings are scheduled on the Thursday after the first Monday of each month at **10:00 a.m. in the 5th floor conference room of City Hall, 900 E. Broad Street**. Special meetings are scheduled as needed.

Meeting Schedule 2021

UDC Meetings	UDC Submission Deadlines	Anticipated Date of Planning Commission Following the UDC Meeting
December 10, 2020	November 12, 2020	December 21, 2020
January 7, 2021	December 17, 2020	January 19, 2021 [1]
February 4, 2021	January 14, 2021	February 16, 2021 [2]
March 4, 2021	February 11, 2021	March 15, 2021
April 8, 2021	March 11, 2021	April 19, 2021
May 6, 2021	April 15, 2021	May 17, 2021
June 10, 2021	May 13, 2021	June 21, 2021
July 8, 2021	June 17, 2021	July 19, 2021
August 5, 2021	July 15, 2021	August 16, 2021[3]
September 9, 2021	August 12, 2021	September 20, 2021
October 7, 2021	September 16, 2021	October 18, 2021
November 4, 2021	October 14, 2021	November 15, 2021
December 9, 2021	November 10, 2021[4]	December 20, 2021 [5]

[1] Monday January 18, 2021 is a City of Richmond Holiday
[2] Monday February 15, 2021 is a City of Richmond Holiday
[3] This meeting is subject to cancellation. If so, Planning Commission hearing would be Tuesday September 7, 2021.
[4] Thursday November 11, 2021 is a City of Richmond Holiday.
[5] This meeting of the Planning Commission is subject to cancellation.

The Richmond Urban Design Committee is an 11 member advisory committee created by City Council in 1968. Its purpose is to advise the City Planning Commission on the design of City projects. The Urban Design Committee reviews projects for appropriateness in "location, character, and extent" and for consistency with the City's Master Plan and forwards recommendations to the City Planning Commission. The Urban Design Committee also advises the Department of Public Works in regards to private encroachments in the public right-of-way.

For more information, please contact the Planning and Preservation Division staff at (804) 646-6335 or Alex Dandridge at (804) 646-6569 or at alex.dandridge@richmondgov.com.

last revised 12/21/2020

Brook and Marshall Placemaking Project
Project Narrative
April 2021

The Brook and Marshall Placemaking Project (official name TBD) has three important elements grouped together at the intersection of W Marshall Street and Brook Road in the Arts District/Jackson Ward neighborhood of Richmond. The first element of the project is to install a pedestrian plaza near the front door of Gallery 5, which is situated on a sharp angle of under-utilized street space. The second element of the project is an intersection mural in the trapezoid intersection of Brook and Marshall (to be considered through a separate application process). Finally, a parklet will be installed in front of ART 180, providing a gathering and education space for their program youth and surrounding community members. This application is final review of an encroachment for the plaza and parklet.

Project partners include:

- ART 180
- Balzer & Associates
- Big Secret
- Cite Design
- City of Richmond
- Gallery 5
- Vanderbilt Properties, LLC
- Venture Richmond
- Walter Parks Architects

In June of 2020, the City of Richmond received a $25,000 Bloomberg Philanthropies grant, which has now been awarded. Venture Richmond is acting as the fiscal agent and is also contributing $5,000 to the project as a grant match. The total project budget for all three elements is $30,000. The budget is broken down as follows, though some adjustments may occur:

- Plaza: $10,000
- Mural: $5,000
- Parklet: $15,000

Community engagement on this project has been underway for several months. Here is a summary of community engagement activities to date:

- Outreach to civic associations, including the Historic Jackson Ward Association and the Downtown Neighborhood Association
- Briefing 2nd District City Councilmembers, past and present
- Physical mailing to all property owners within a one-block radius
- Press release and media coverage, including an article in the Richmond Times-Dispatch
- Launch of an online survey

Over several weeks in the summer of 2020, an online survey was distributed to collect community perceptions about the intersection, safety challenges, potential solutions, and design preferences for the project elements. The survey was distributed by civic associations, Venture Richmond and other

project partners, and advertised through signs posted throughout the project area. Approximately 375 people completed the survey, which have informed the final design. A presentation on the results of the survey is attached. Some points to note about the survey results include:

- 35% of the survey respondents live in Jackson Ward.
- 24% of the survey respondents work in Jackson Ward.
- 23% of the survey respondents work in other parts of Downtown.
- After taking the survey and seeing the conceptual site plan, 81% of respondents said they have a better understanding of the project as a whole.
- After taking the survey and seeing the conceptual site plan, 81% of respondents said they support the project.

The project is scheduled to be completed at the end of August 2021.

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wparks.com

COMMONWEALTH OF VIRGINIA
WALTER G. PARKS, JR.
Lic. No. 007463
ARCHITECT

Placemaking Project

INTERSECTION OF W MARSHALL ST & BROOK RD
RICHMOND, VIRGINIA 23220

UDC Submission

N

REVISIONS	
TAG	DATE

PROJECT #: PARKLET & PLAZA
ISSUE DATE: 4/15/21

SITE DIAGRAM

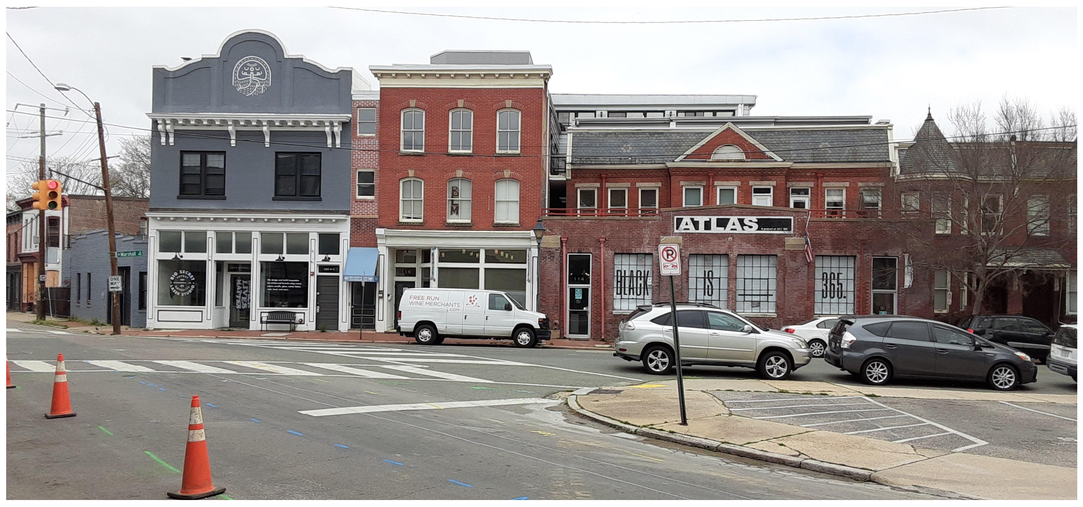
A.1

Intersection of Brook Rd & Marshall St Looking NW

Crosswalk of Brook Rd & Marshall St Looking SE

Marshall St Looking East Towards Brook Rd

Brook Rd Looking SW Towards Marshall St & N Jefferson St



Brook Rd Looking NE Towards Marshall St

Marshall St Looking W Towards Brook Rd

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UDC Submission

REVISIONS	
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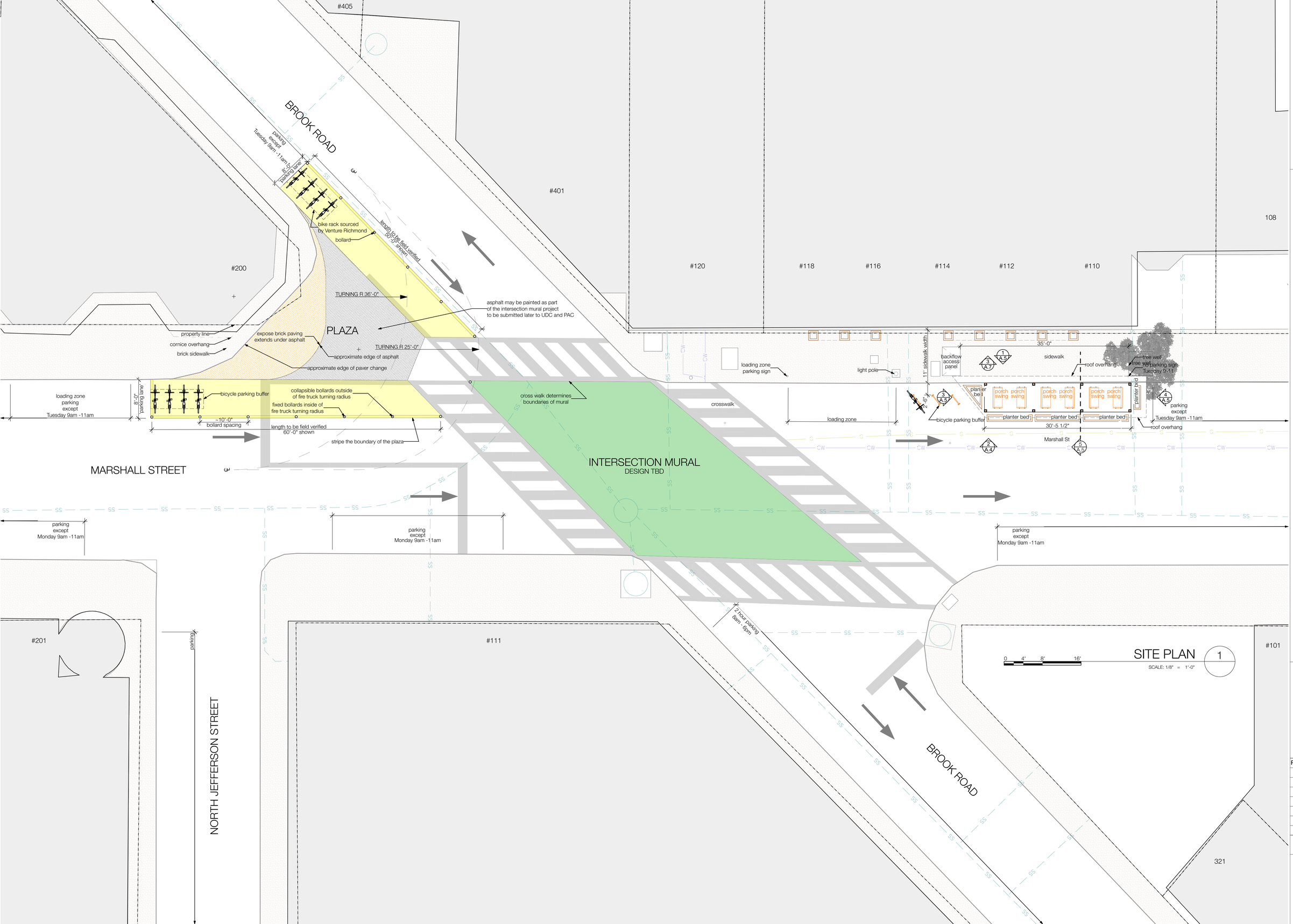
PROJECT #: PARKLET & PLAZA
ISSUE DATE: 4/15/21

SITE PHOTOGRAPHS

A.2



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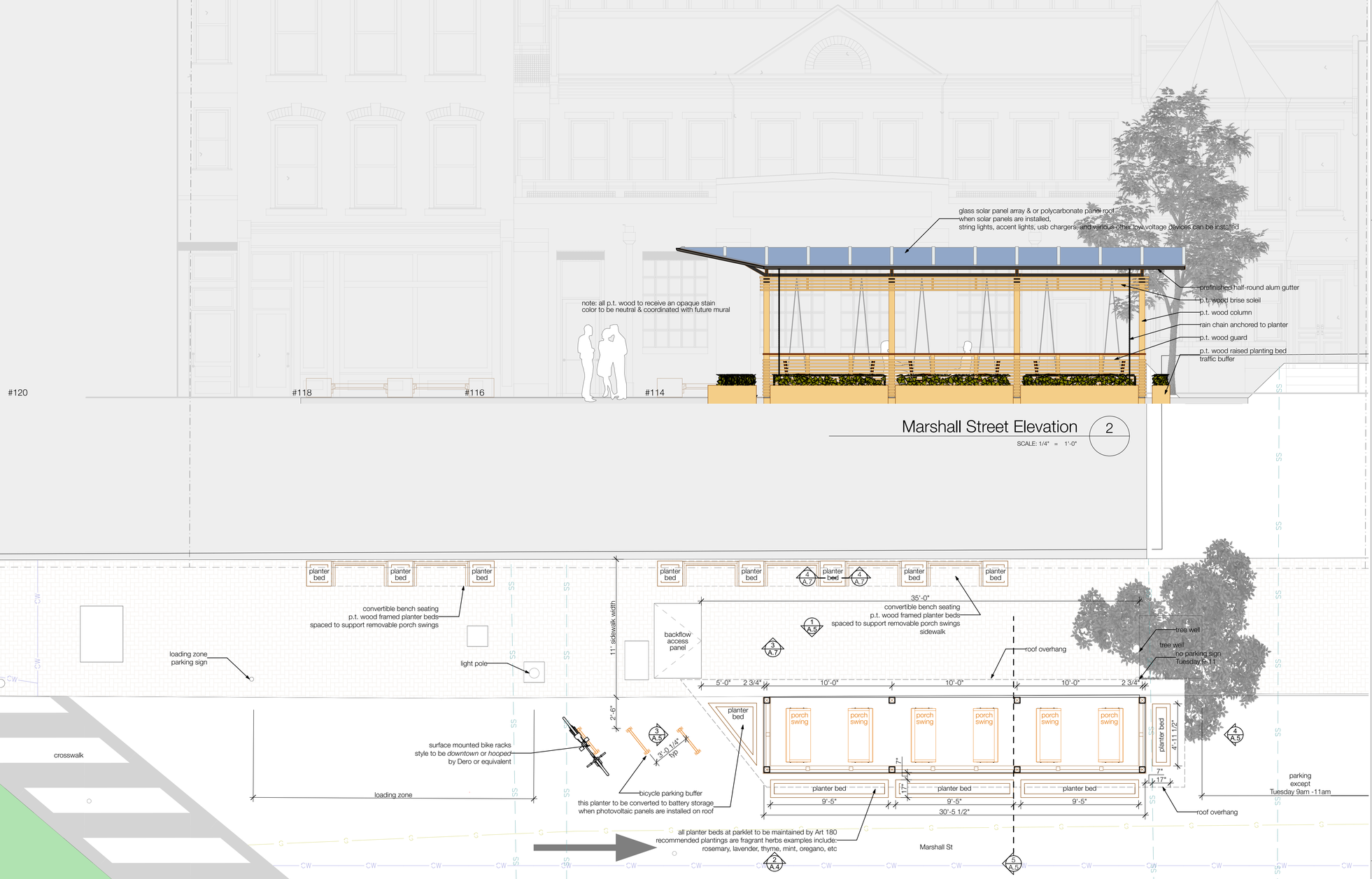
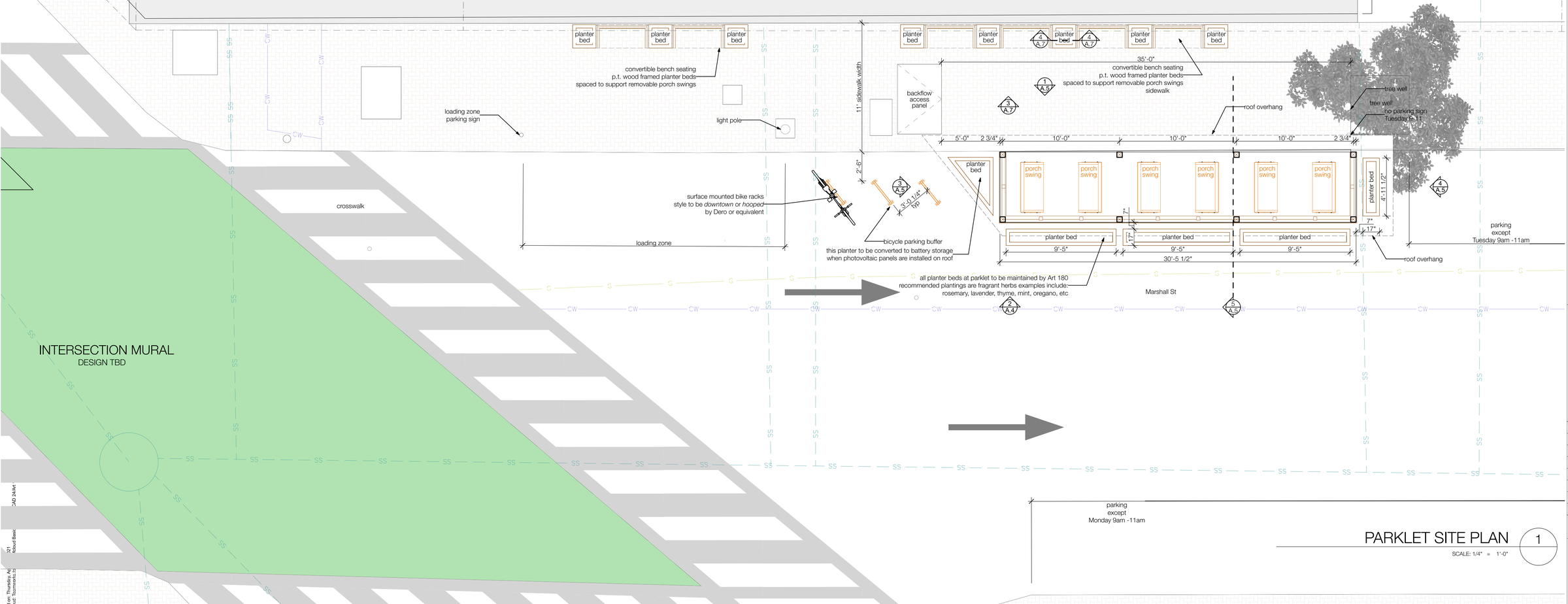
SITE PLAN

A.3



Marshall Street Elevation 2

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



PARKLET SITE PLAN 1

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

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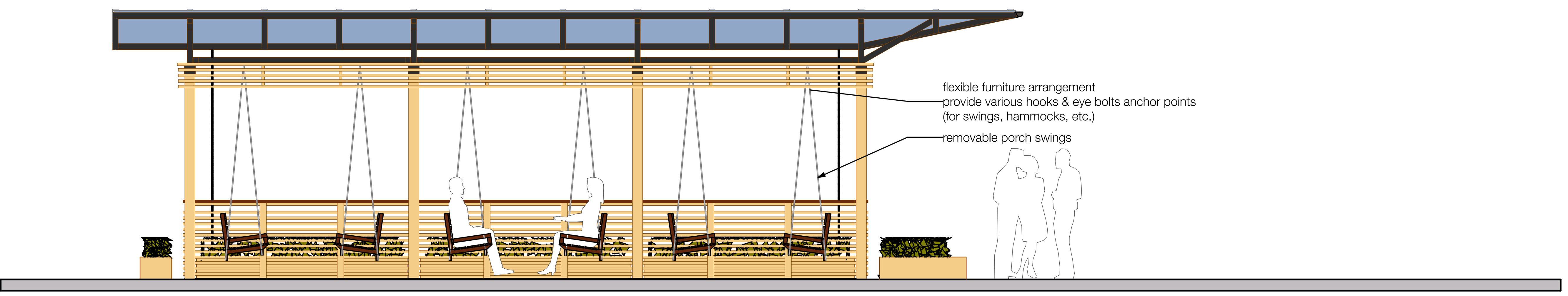
PROJECT #: PARKLET & PLAZA
ISSUE DATE: 4/15/21

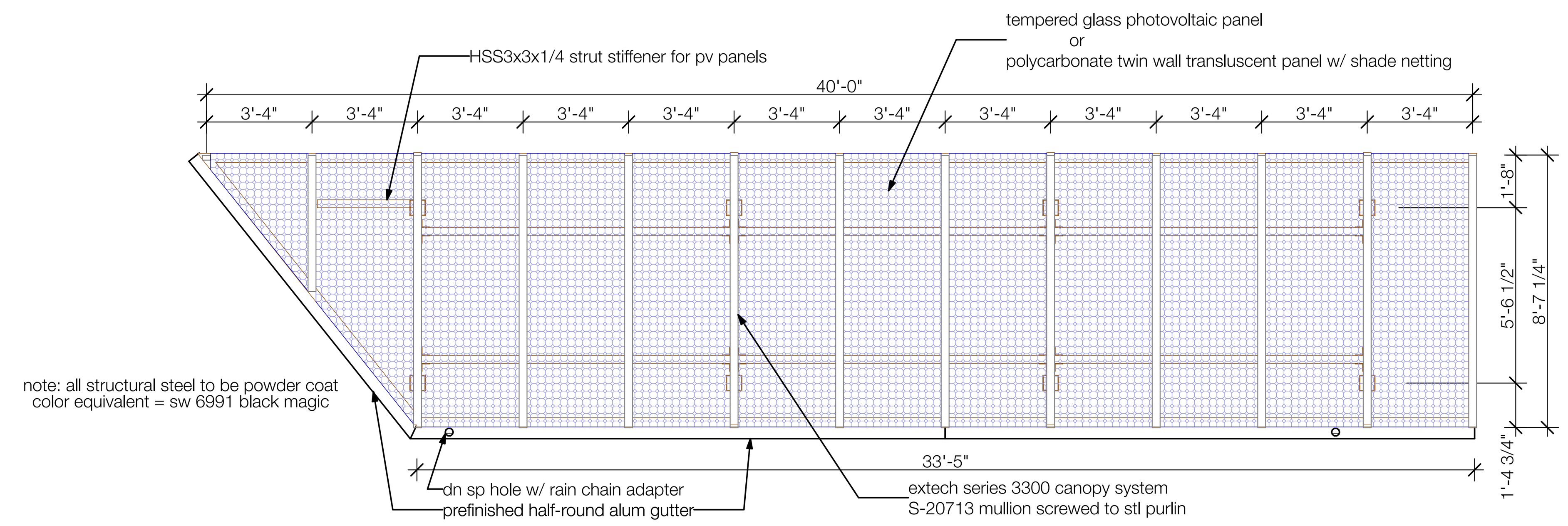
PARKLET SITE PLAN

A.4



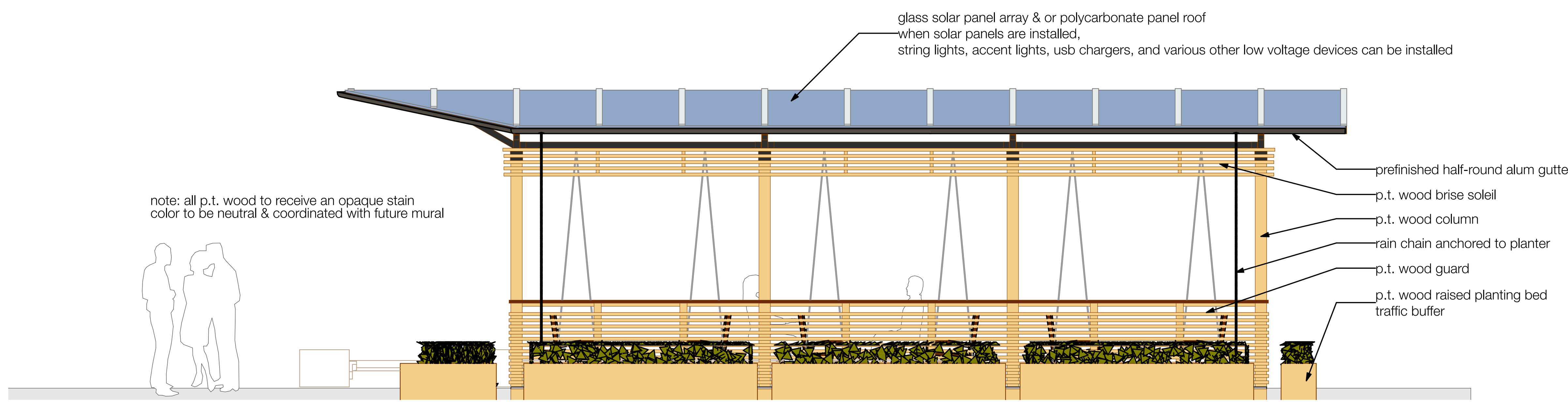
Marshall Street Sidewalk Elevation 1

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



Roof Plan 9

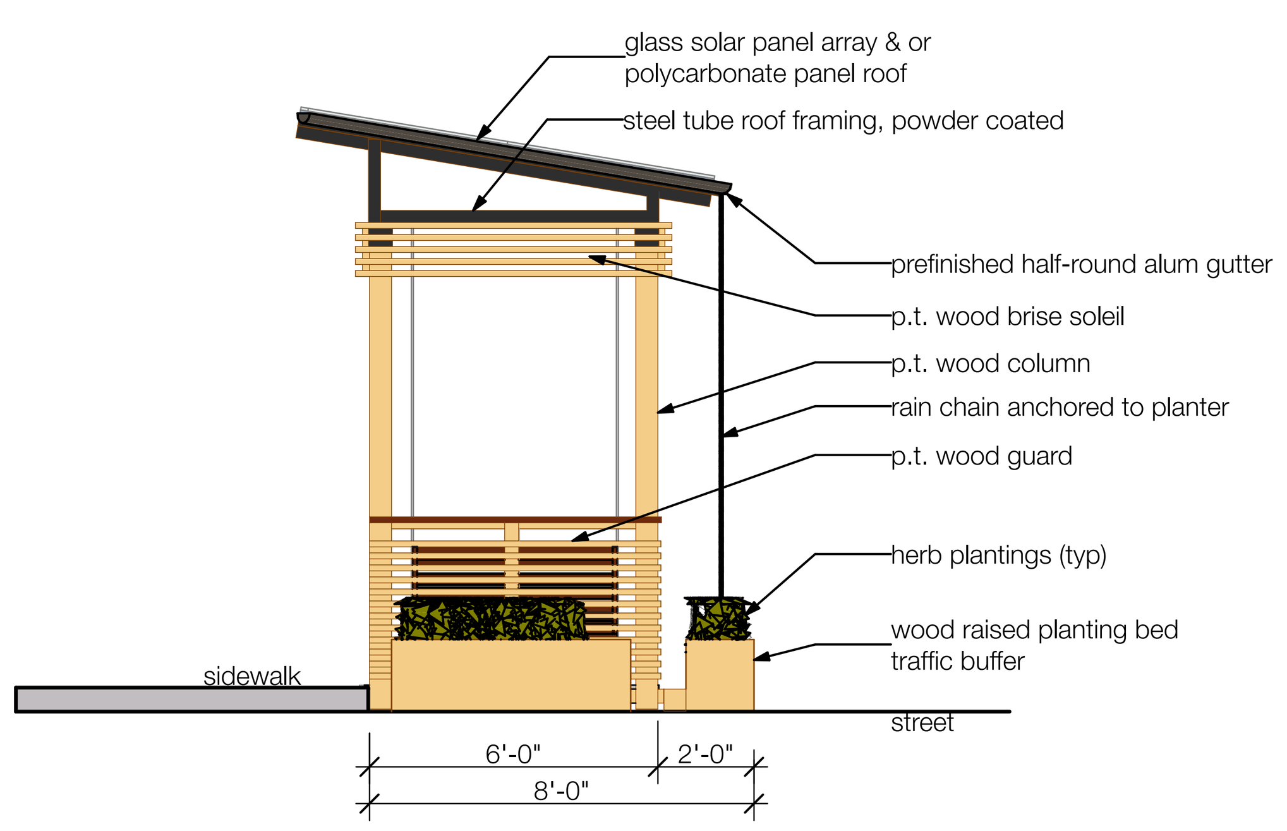
SCALE: 1/4" = 1'-0"



Marshall Street Elevation 2

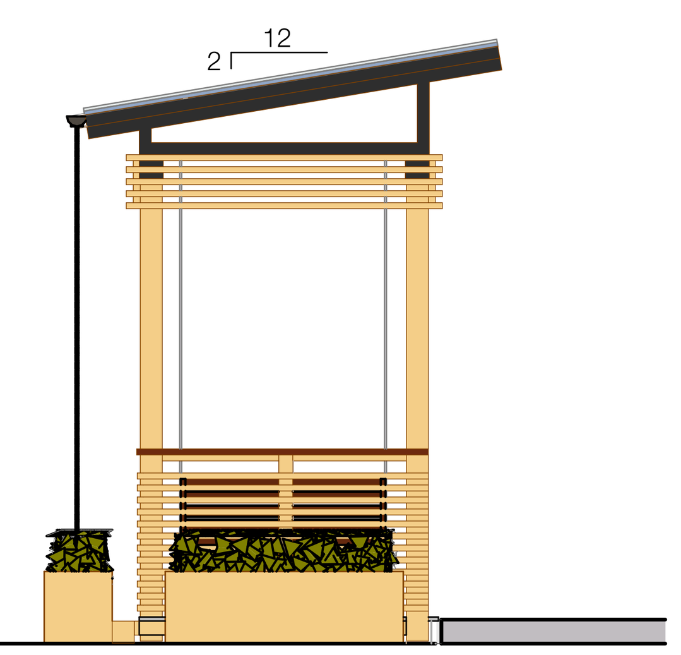
SCALE: 1/4" = 1'-0"

Marshall St Perspective 7



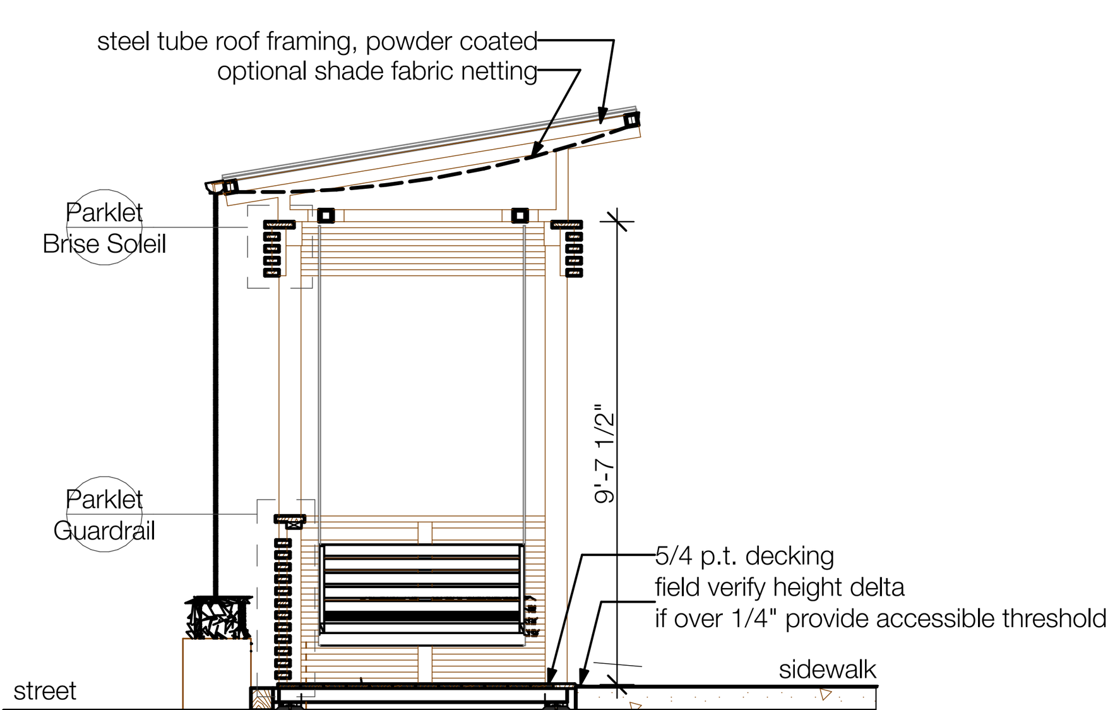
Brook Road Elevation 3

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



Adams Steet Elevation 4

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



Cross Section 5

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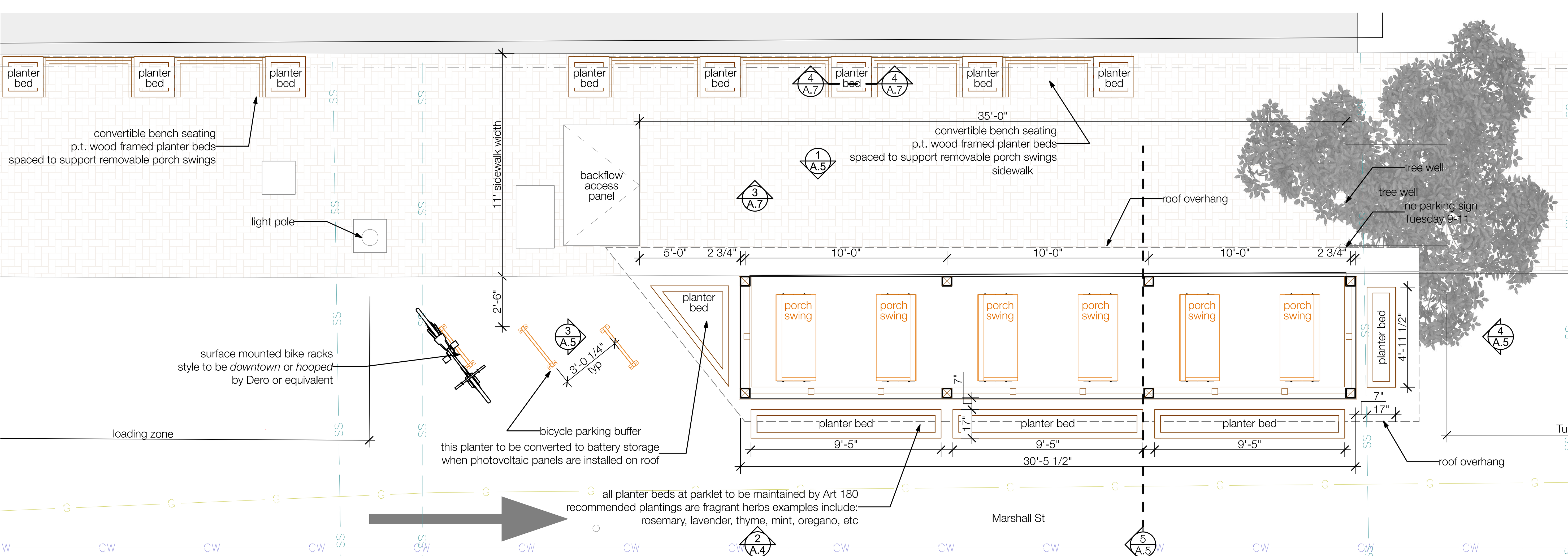

Floor Plan 6 A.5

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

Brook Road Perspective 8

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UDC Submission

REVISIONS

TAG	DATE

PROJECT #: PARKLET & PLAZA
ISSUE DATE: 4/15/21

PARKLET PLANS & ELEVATIONS

A.5

REV. 1-19-05

Series 3300 Surface Mounted Skylight / Wall System

EXTECH
EXTERIOR TECHNOLOGIES, INC.®

Single glazed skylight wall / system (thermally broken) for applications over an existing structure.

FEATURING:

- Light weight components designed to attach to existing structure.
- Pressure equalization system.
- Plastic spacers for thermal improvement of the system as well as positive stops to control gasket pressure.
- Glazing gaskets have a low coefficient of friction surface to allow for thermal movement of glazing.
- Aluminum framing is overlapped at intersections for superior air and water resistance.

Glazing Information

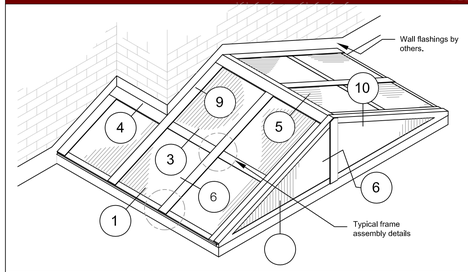
GLAZING:
All monolithic and cellular polycarbonates or acrylics from 1/4" to 1". Glass from 1/4" to 1".

Performance:
Air Infiltration (ASTM E-283):
.03 cfm per square foot at 12 PSF.

Water Infiltration (ASTM E-331):
No leakage at 12 PSF.

Condensation Resistance Factor:
(CRF) of 60 (AAMA 1503.1-88).

Series 3300 Typical Configuration



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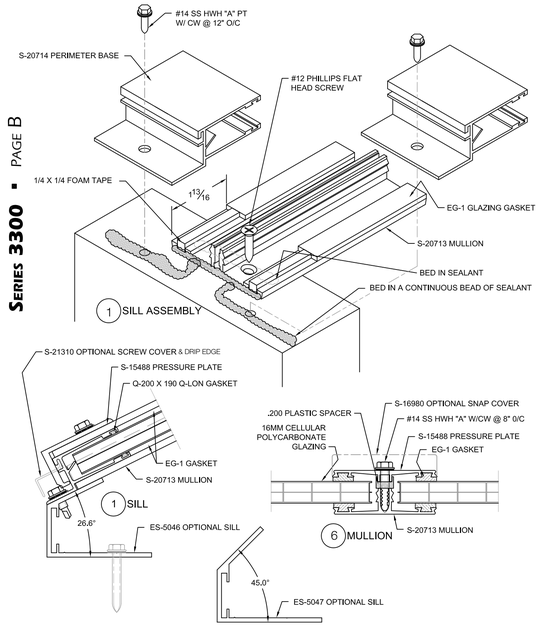
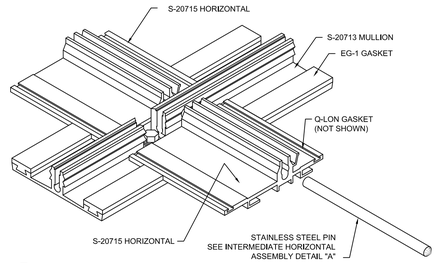
EMAIL: info@extech-voegele.com • WEB: www.extech-voegele.com

SERIES 3300 • PAGE A



SERIES 3300 • PAGE B



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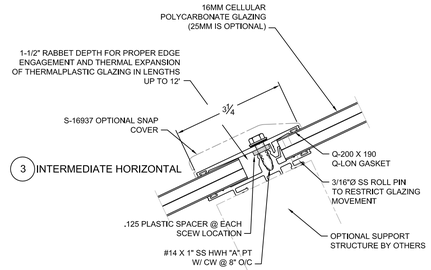
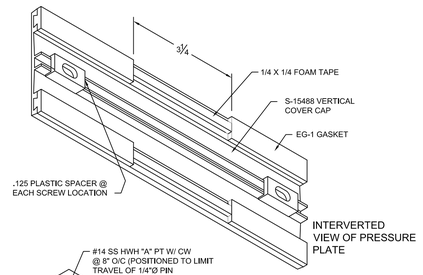
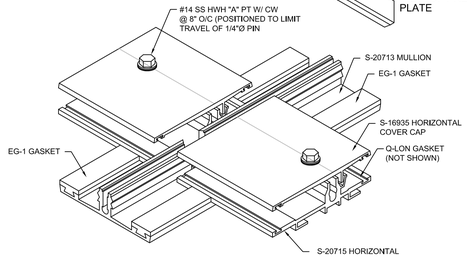


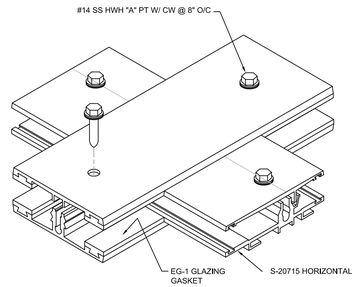
SERIES 3300 • PAGE E





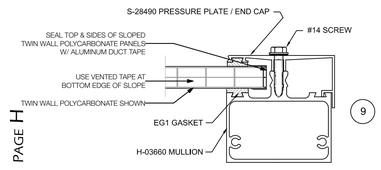
INTERMEDIATE HORIZONTAL ASSEMBLY

SERIES 3300 • PAGE F



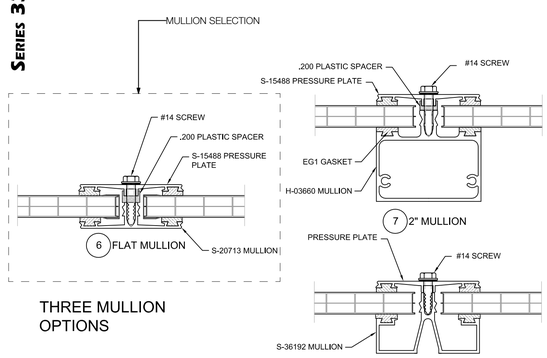
INTERMEDIATE HORIZONTAL ASSEMBLY

SERIES 3300 • PAGE G

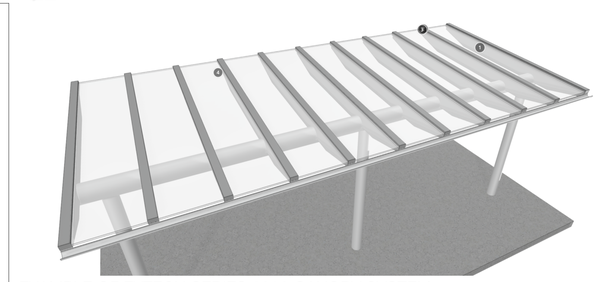


END WALL DETAIL

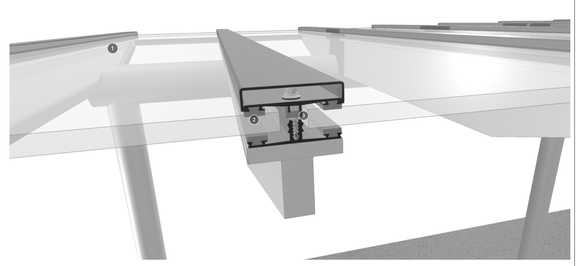
SERIES 3300 • PAGE H



THREE MULLION OPTIONS



EXAMPLE OF EXTECH SERIES 3300 CANOPY SYSTEM



EXAMPLE RENDERING OF EXTECH SERIES 3300 MULLION

EXAMPLE OF SOLAR PANEL ROOF

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ARCHITECT

Placemaking Project

INTERSECTION OF W MARSHALL ST & BROOK RD
RICHMOND, VIRGINIA 23220

UDC Submission

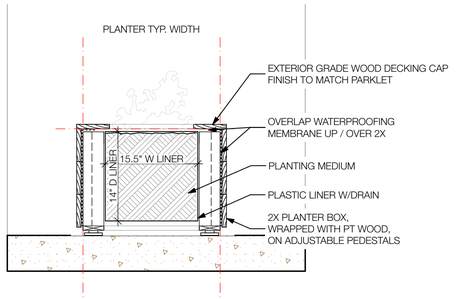
REVISIONS

TAG	DATE

PROJECT #: PARKLET & PLAZA
ISSUE DATE: 4/15/21

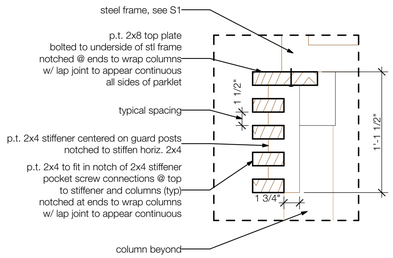
ROOF DETAILS

A.6



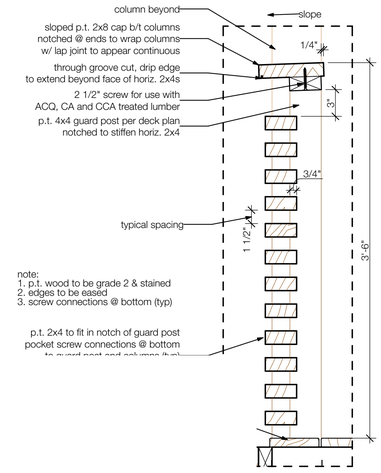
Parklet Planters 4

SCALE: 1" = 1'-0"



Parklet Brise Soleil 2

SCALE: 1 1/2"= 1'-0"



Parklet Guardrail 1

SCALE: 1 1/2"= 1'-0"

Art 180 Elevation 3

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

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Placemaking Project

INTERSECTION OF W MARSHALL ST & BROOK RD
RICHMOND, VIRGINIA 23220

UDC Submission

REVISIONS

TAG	DATE

PROJECT #: PARKLET & PLAZA
ISSUE DATE: 4/15/21

DETAILS

A.7

Printed on: Thursday, April 15, 2021
BIMcloud: Teamworks [cc] + BIMcloud Basic for ARCHICAD 24/Art 180 Parklet

WS85 SD is knotless fine mesh netting. The Raschel high density polyethylene monofilament fiber is highly resistant to abrasion, light weight, and is used in construction for wind and vision barriers, debris containment systems and scaffold enclosures.

Custom fabricated or sold in roll form.

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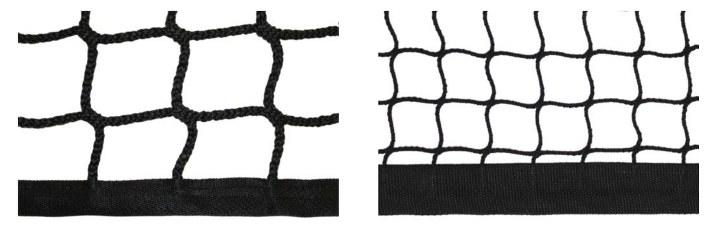
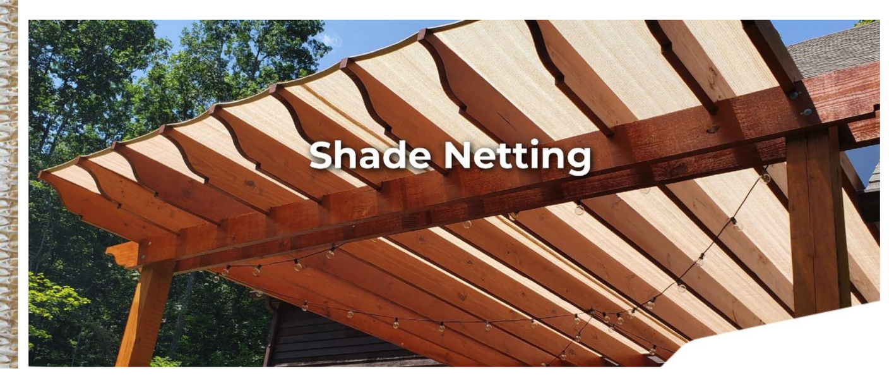
Border Options





ADDITIONAL INFORMATION

Fiber	High Density Polyethylene
Style	Woven
Color	Sand
Shade Factor	85%
UV	Stabilized
Border Options	2 inch Web, 3 inch Web

226 Upton Road
Colchester, CT 06415

P 860.537.1414
E netting@incord.com

InCord
Custom Safety Netting Solutions

OPTIONAL SHADE FABRIC NETTING (2)

SCALE: 6" = 1'-0"

MaxiForce Collapsible Bollards are a super-functional, cost-effective and flexible barrier solution that allows you to control, re-route, or grant quick access to meet your traffic flow requirements.

FEATURES

- The fastest emergency ingress solution available on the market when life safety matters
- Approved for firelane use in many cities, townships, and municipalities by the local AHJ*
- The patented breakaway feature allows emergency access without damaging the bollard or the vehicle
- Can be manually unlocked and folded down quickly by a padlock or by a wrench
- Once collapsed the bollard body requires only 3-5/8" clearance to allow vehicles to pass over the bollard
- Can be easily returned to original locked position without the need for tools
- Bollards can be pushed over from any angle
- Bollard body can be removed leaving a flush surface that won't catch on equipment such as street sweepers or snow plows
- Two base types for versatile installation
- Available in a wide selection of powder coat colors and finishes

*Authority Having Jurisdiction

All MaxiForce Collapsible Bollards feature the unique and patented breakaway system allowing emergency first responder vehicles to push the unit over when life safety situations arise, saving valuable response time. The breakaway system works by allowing the unit to "breakaway" from the base, permitting quick access without using the wrench operation (also patented) or removing a padlock. Two unique inserts are designed to shear when the bollard is pushed over by a vehicle. This gives the vehicle access without causing significant damage to the bollard or vehicle. By replacing the inexpensive inserts, the bollard can be placed back into service quickly by the use of a standard Allen wrench.

08

EASY OPERATION

Patented Hydrant-Wrench Operated Bollard

Ideal for locations requiring traffic control while allowing designated vehicles to pass quickly with the use of a fire hydrant wrench. The standard hydrant nut is a 5-sided AWWA nut, which matches fire hydrant wrenches carried by most first responders. (Other nut styles are available.)

Standard Padlock Operated Bollard

Ideal for designated locations where traffic control is required and only authorized vehicles and personnel with the appropriate key may unlock the bollard and pass through.

Two Base Types

MaxiForce Collapsible Bollards have two base options to fit installation requirements. Collapsible bollard operation is not affected by the choice of the base type.

Choice of Head Styles

MaxiForce Bollards have several style options, including a choice of head styles to top the bollard bodies. All three bollard head styles are removable and interchangeable. All heads attach to the bollard body mechanically.

Easy Installation

Footings are engineered for easy installation taking advantage of standard sized augers and heavy equipment buckets.

Patented Breakaway Feature

MaxiForce's patented breakaway insert is a distinctive feature allowing emergency and safety personnel immediate access beyond the bollard without leaving the vehicle, saving valuable response time. It works by allowing the unit to "breakaway" from the base, permitting access without using the wrench operation or removing the padlock.

Product Line
Collapsible Bollards

TYPICAL APPLICATIONS

- Fire lanes & alleyways
- Emergency entrances
- Bike trails & trailheads
- Office buildings
- School grounds
- College campuses
- Playgrounds & parks
- Parking areas
- Government & military installations
- Hospitals & health facilities
- Malls & shopping centers
- Residential subdivisions
- BallParks & stadiums
- Apartment complexes
- Pedestrian walkways
- City downtown areas

SIZES

Standard Height: 32" above finished surface

MaxiForce Collapsible Bollards are available in custom sizes according to your needs.

For more information about custom orders, please contact us at:

sales@maxiforcebollards.com

STANDARD COLORS

High-Reflective White	Silver	Haze Grey OGF
Safety Yellow	Roman Bronze Matte	Bengal Black Glossy
Black Semigloss	Black Matte	Black Fine Texture

MaxiForce Bollards are available in a wide variety of powder coat colors & finishes. We also offer optional Zinc Rich Primer, Galvanization and Reflective Tape. For a full listing of our standard colors, and a look at other color options, please see Page 23 of the current catalog or visit our website

MAXIFORCEBOLLARDS.COM

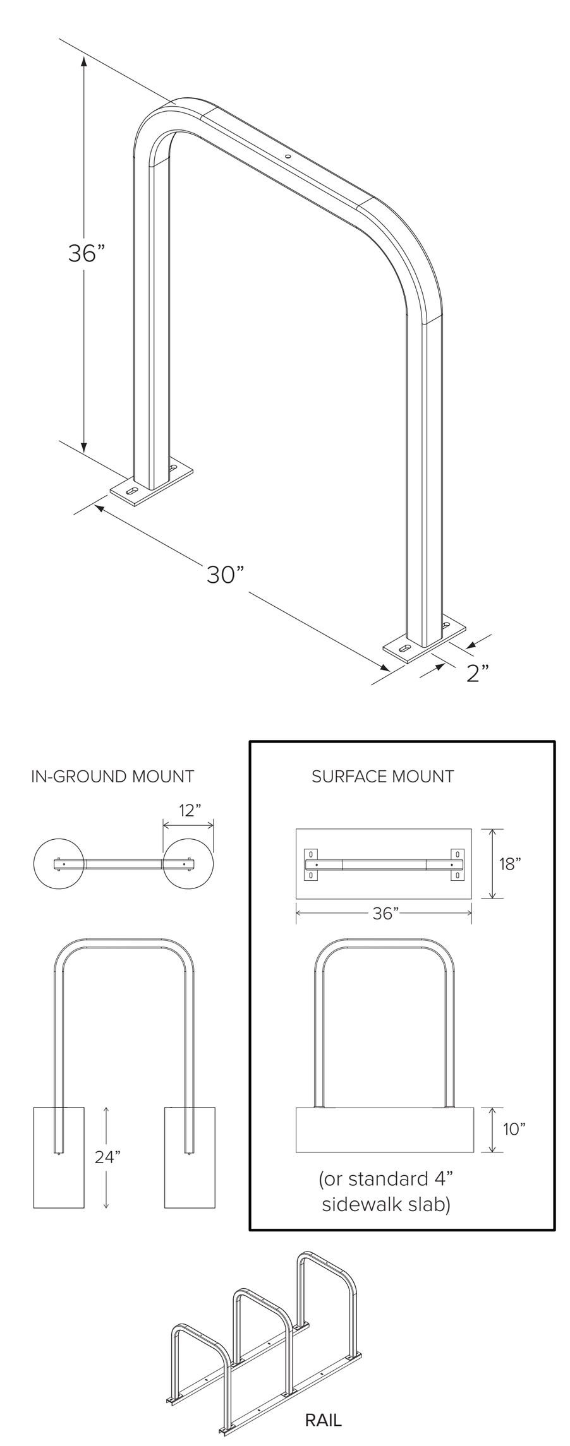
09

COLLAPSIBLE BOLLARDS (1)

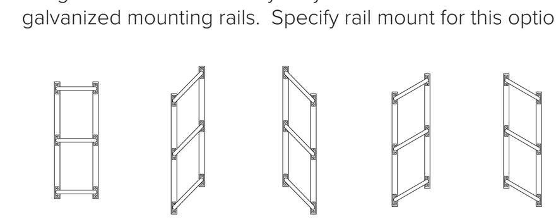
SCALE: 3" = 1'-0"

DERO A PLAYCORE Company | **Downtown** Rack

Submittal Sheet



CAPACITY	2 Bikes
MATERIALS	2" x 2" x .188" square tube - mild steel 2" x 2" x .120" square tube - stainless steel
FINISHES	☐ **Galvanized** An after fabrication hot dipped galvanized finish is our standard option. ■ **Powder Coat** Our powder coat finish assures a high level of adhesion and durability by following these steps: 1. Sandblast 2. Epoxy primer electrostatically applied 3. Final thick TGIC polyester powder coat ☐ **PVC Dip** Black PVC ☐ **Stainless** Stainless Steel: 304 grade stainless steel material finished in either a high polished shine or a satin finish.
MOUNT OPTIONS	■ **Surface** Foot Mount has two 2.5"x6"x.25" feet with two anchors per foot. Specify foot mount for this option. Tamper-resistant fasteners available upon request. ☐ **In-Ground** In-ground mount is embedded into concrete base. Specify in-ground mount for this option ☐ **Rail** Rail Mounted Downtown Racks are bolted to two parallel rails which can be left freestanding or anchored to the ground. Rails are heavy duty 3" x 1.4" x 3/16" thick galvanized mounting rails. Specify rail mount for this option.



'DOWNTOWN' STYLE BIKE RACK (3)

SCALE: 1' = 1'-0"

CONVENIENT INSTALLATION

Standard Fixed Installation

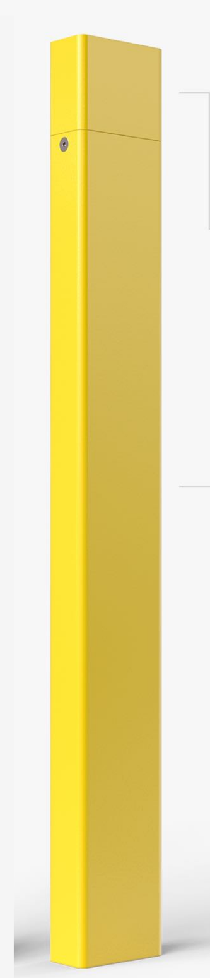
MaxiForce Fixed Bollards are produced as single, factory-complete units that are delivered completely assembled. The fixed bollards are installed directly into the ground without the need for a mounting base.

Concrete Reinforced Installation

Some MaxiForce Fixed Bollard head options are removable, allowing the units to be concrete-filled for additional weight and strength when the installation calls for it. Once filled, the bollard heads can be reinstalled, covering the concrete filling and restoring the bollard's original aesthetics.

Easy Installation

MaxiForce Fixed Bollards do not require the use of bases for installation purposes. The MaxiForce Fixed Bollards are installed directly into a concrete foundation.



Multiple Head Styles

The MaxiForce Fixed line of bollards offers ten head style options: seven head styles for the round body bollards and three head styles for the rectangular body bollards, as shown. Head styles are available in bolt on and welded on styles. All bolt on styles are removable and interchangeable. **Note: Head style options vary based on bollard diameter.*

Durable Fixed Body

All MaxiForce Fixed Bollards feature a durable, fixed body that is engineered and manufactured to last. Bollard bodies are available in rectangular shape, and in round sizes ranging from 3" up to 10". Custom lengths and wall thicknesses are available upon request.

Wide Variety

MaxiForce Fixed Bollards offer numerous customization options – from the shape and size of the body to the color and final finish of the bollard.

TYPICAL APPLICATIONS

- Crowd or building protection
- Storefronts
- Sidewalks
- Permanent utility protection
- Office buildings
- Educational facilities
- Playgrounds & parks
- Military & Government facility
- Permanent road closures
- Commercial buildings
- Parking areas
- Malls & shopping centers
- Residential subdivisions
- Ball parks & stadiums
- Apartment complexes
- Biking trails
- City downtown areas

SIZES

Rectangular Fixed Bollard Standard Height: 32" above finished surface

Round Fixed Bollard Body Standard Height: 36" above finished surface (head styles add additional height)

MaxiForce Fixed Bollards are available in custom sizes according to your needs. For more information about custom orders, please contact us at:

sales@maxiforcebollards.com

STANDARD COLORS

High-Reflective White	Anodized Silver	Haze Grey OGF
Safety Yellow	Roman Bronze Matte	Bengal Black Glossy
Black Semigloss	Black Matte	Black Fine Texture

For a full listing of our standard colors, and a look at other color options, please check our current catalog or visit our website:

MAXIFORCEBOLLARDS.COM

FIXED BOLLARDS (4)

SCALE: 1:1.09

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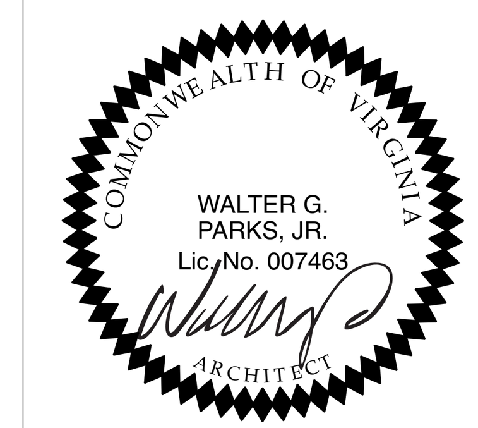


Placemaking Project

INTERSECTION OF W MARSHALL ST & BROOK RD
RICHMOND, VIRGINIA 23220

UDC Submission

REVISIONS

TAG	DATE

PROJECT #: PARKLET & PLAZA
ISSUE DATE: 4/15/21

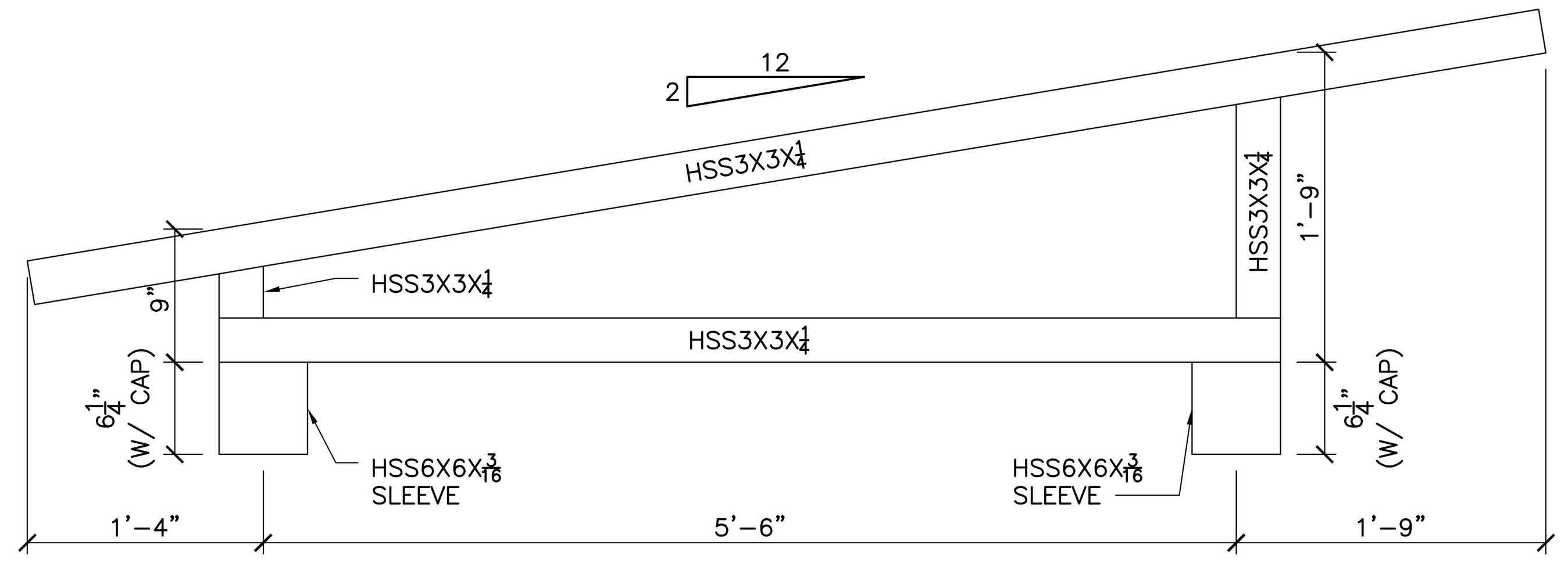
DETAILS

A.8

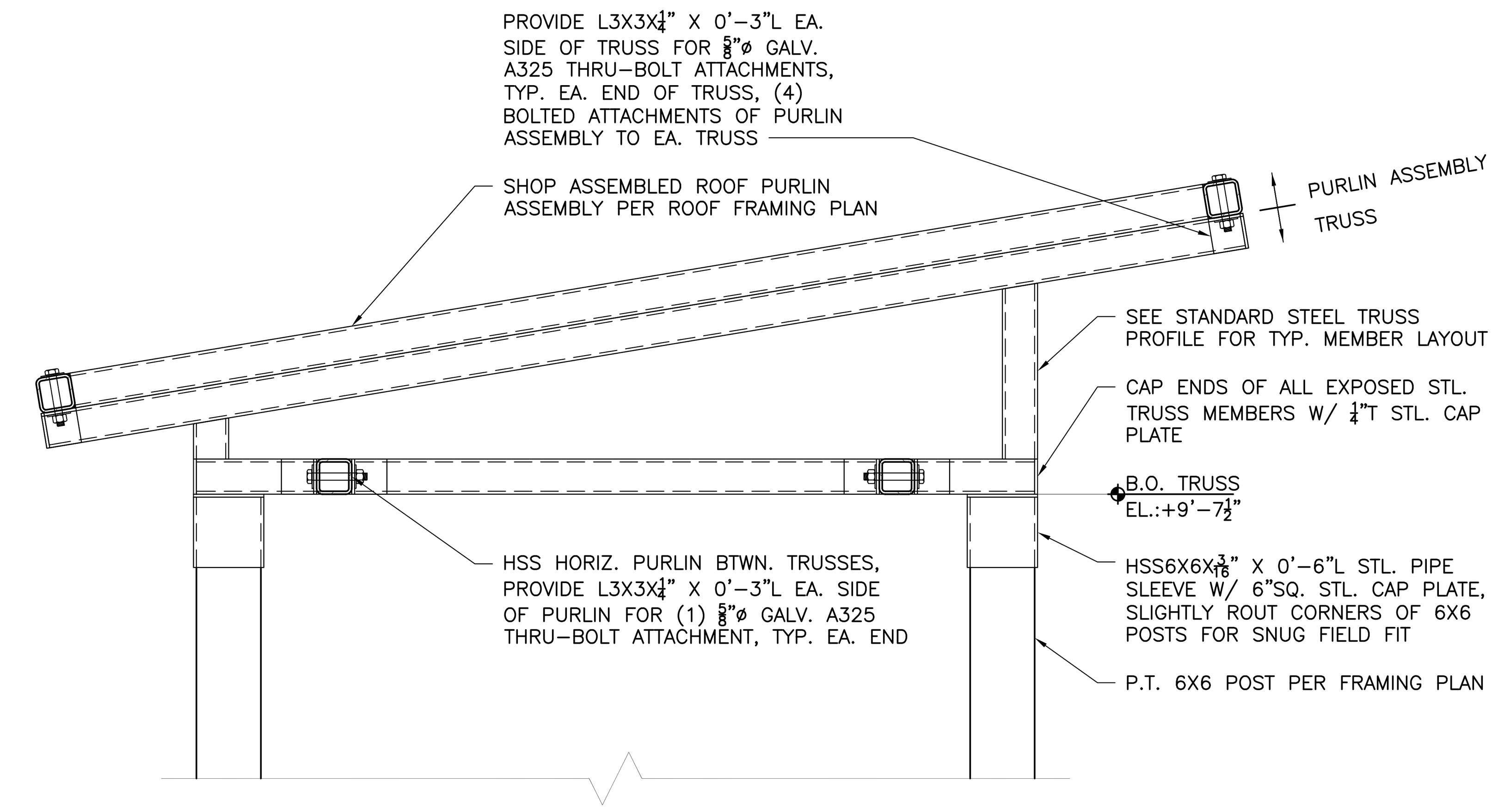
GENERAL WOOD FRAMING NOTES:
1. ALL SPECIFIED METAL COMPONENTS AND FASTENERS ARE TO BE GALVANIZED, STAINLESS, OR CORROSION-RESISTANT COATED AND ATTACHED WITH THE MAXIMUM FASTENING PATTERN AS SPECIFIED BY THE MANUFACTURER.
2. ALL WOOD PRODUCTS TO BE PRESSURE-TREATED OR MARINE GRADE.
3. PARKLET SHALL MAINTAIN NECESSARY CLEARANCE IN THE EXISTING CURB AND GUTTER TO AVOID IMPEDANCE OF THE DESIGNED STORMWATER FLOW.
4. ALL WORK IS TO BE COORDINATED WITH AND PERFORMED WITHIN THE CONSTRAINTS OF THE PARKLET DESIGN GUIDELINES PROVIDED BY THE CITY OF RICHMOND AND IS SUBJECT TO REVIEW AND APPROVAL BY THE DEPARTMENTS OF PLANNING & DEVELOPMENT, PUBLIC WORKS, AND PUBLIC UTILITIES.
5. THIS DESIGN MUST BE REVIEWED ON A SITE-SPECIFIC BASIS, AND POTENTIAL ADJUSTMENTS MAY NEED TO BE MADE BASED ON THE EXISTING CURB HEIGHT, STREET GRADE, OR CROSS SLOPE.

DESIGN LOAD SCHEDULE (2015 IBC)

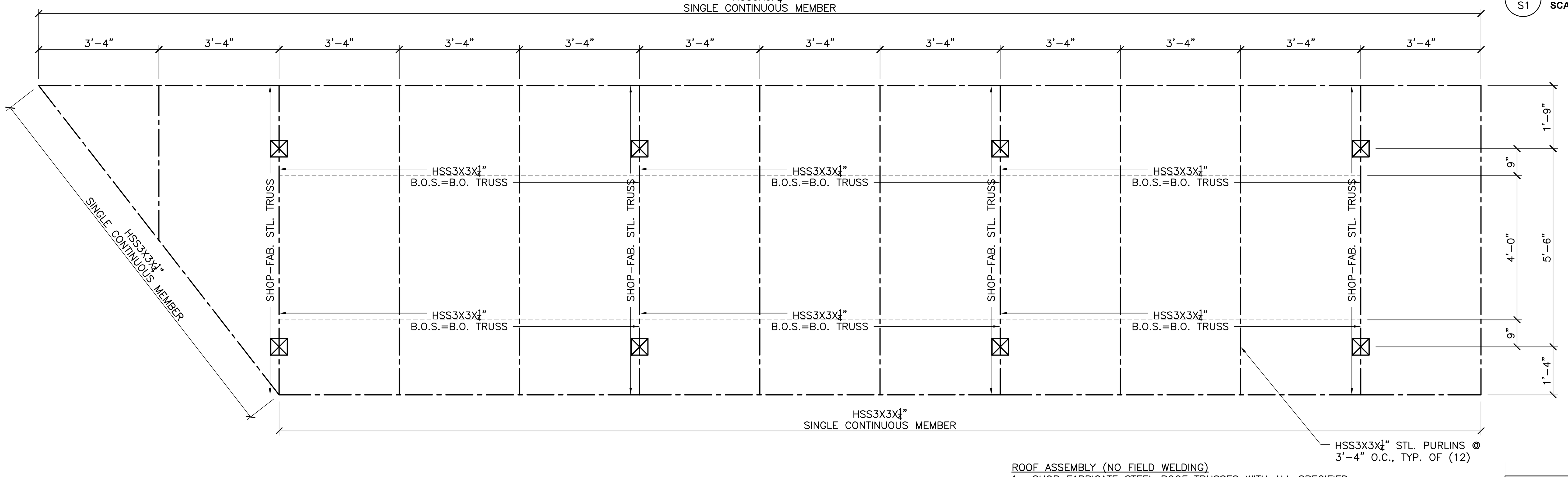
DEAD LOADS:	
DECK DEAD LOAD:	10 psf
ROOF DEAD LOAD:	5 psf
LIVE LOADS:	
DECK LIVE LOAD (PUBLIC ASSEMBLY):	100 psf
ROOF LIVE LOAD	20 psf
SNOW LOAD DESIGN CRITERIA:	
GROUND SNOW LOAD:	20 psf
WIND LOAD DESIGN CRITERIA:	
ANALYSIS PROCEDURE:	ASCE 7-10 CHAPTER 27
BUILDING TYPE:	OPEN
ULTIMATE DESIGN WIND SPEED:	105 MPH
NOMINAL DESIGN WIND SPEED:	81 MPH
RISK CATEGORY:	I
EXPOSURE:	B
EFFECTIVE WIND PRESSURES:	
ROOF:	+38.53 / -41.39 psf



STANDARD STEEL TRUSS PROFILE

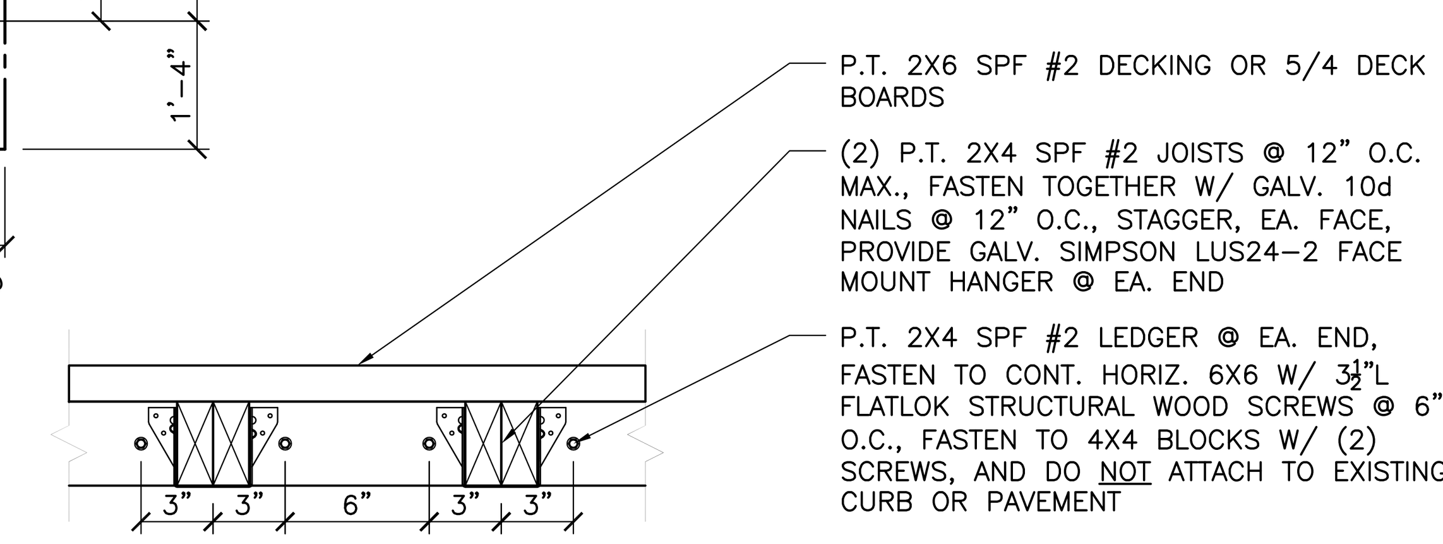


5/S1 TYP. PARKLET ROOF FRAMING SECTION
SCALE = 1"=1'-0"

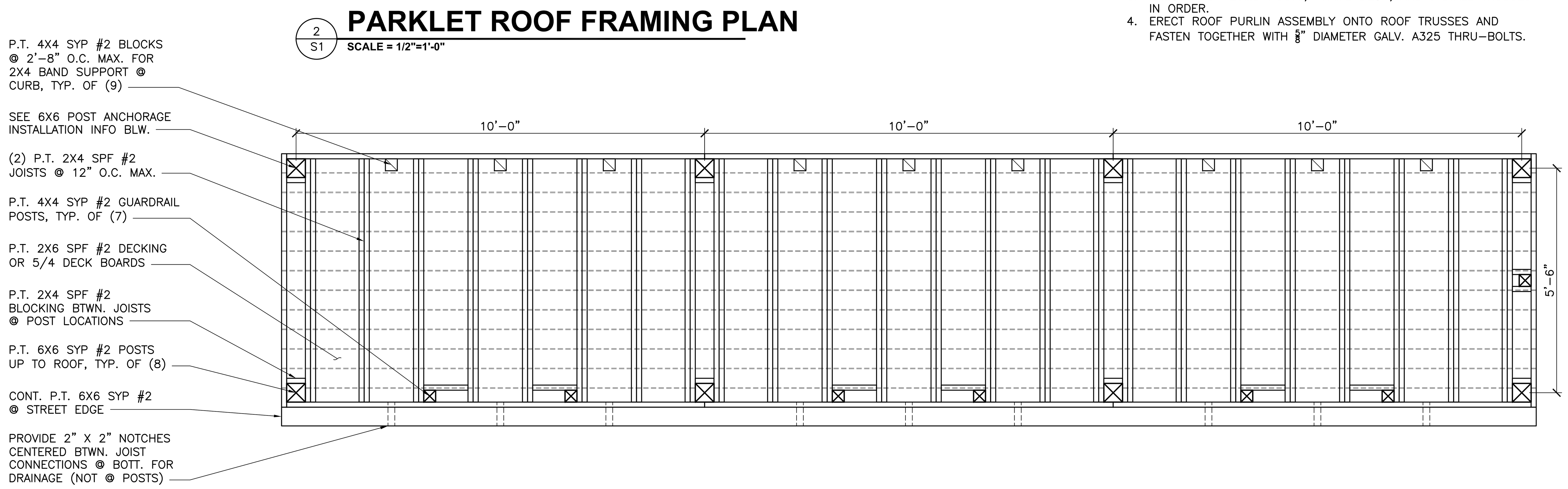


2/S1 PARKLET ROOF FRAMING PLAN
SCALE = 1/2"=1'-0"

ROOF ASSEMBLY (NO FIELD WELDING)
1. SHOP FABRICATE STEEL ROOF TRUSSES WITH ALL SPECIFIED POST SLEEVES AND PURLIN ATTACHMENT CLIP ANGLES. TYPICAL OF FOUR TOTAL.
2. SHOP FABRICATE STEEL ROOF PURLIN ASSEMBLY. ONE 40'-0" LONG ASSEMBLY.
3. ERECT AND PLUMB POSTS, FRAME DECK, AND INSTALL TRUSSES IN ORDER.
4. ERECT ROOF PURLIN ASSEMBLY ONTO ROOF TRUSSES AND FASTEN TOGETHER WITH ⅝" DIAMETER GALV. A325 THRU-BOLTS.

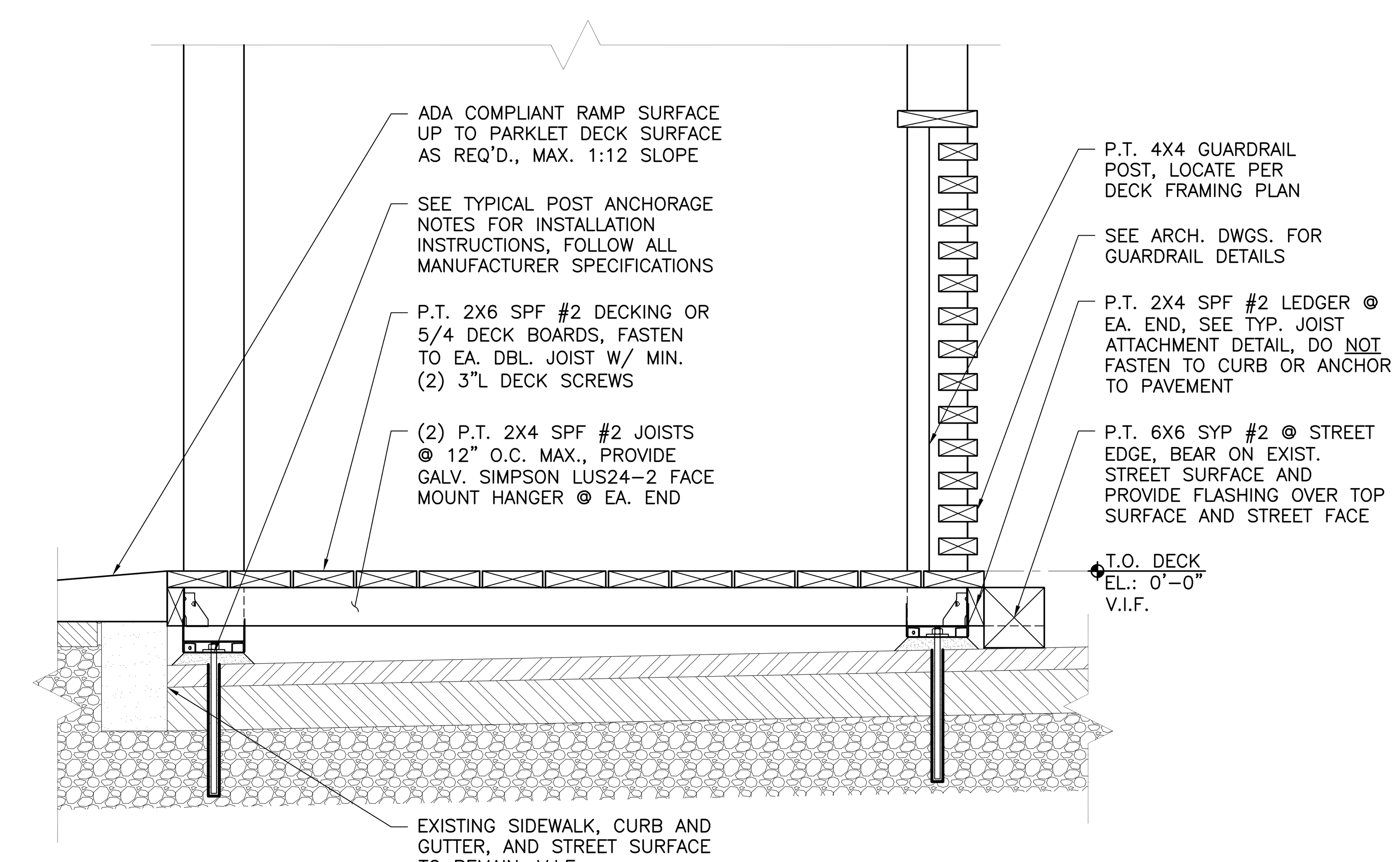


4/S1 TYP. JOIST ATTACHMENT
SCALE = 1-1/2"=1'-0"



1/S1 PARKLET DECK FRAMING PLAN
SCALE = 1/2"=1'-0"

6X6 POST ANCHORAGE
1. INSTALL BOLTHOLD SP18-716 STAINLESS ASPHALT ANCHOR PER MANUFACTURER SPECIFICATIONS. LOCATE ANCHOR AT CENTER OF EACH 6X6 POST LOCATION.
2. PROVIDE GALVANIZED SIMPSON ABW66Z POST BASE, CENTERED ON EACH NEW ASPHALT ANCHOR. LOOSELY INSTALL MANUFACTURER SPECIFIED ANCHOR THRU POST BASE, WASHER, AND INTO PREVIOUSLY INSTALLED FEMALE ANCHOR END.
3. ADJUST ELEVATION AND LEVELNESS OF POST BASE BOTTOM AS NECESSARY USING HIGH-STRENGTH NON-SHRINK GROUT BELOW BOTTOM PLATE.
4. ONCE GROUT IS CURED, TIGHTEN DOWN ANCHOR.



3/S1 TYP. PARKLET DECK FRAMING SECTION
SCALE = 1"=1'-0"

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COMMONWEALTH OF VIRGINIA
2021-04-15
AARON M. WASS
Lic. No. 060072
PROFESSIONAL ENGINEER

ART 180 PARKLET
PARKLET STRUCTURE
W MARSHALL STREET AND BROOK ROAD
RICHMOND, VIRGINIA 23220

DRAWN BY	AMW
DESIGNED BY	AMW
CHECKED BY	RWT
DATE	2021-04-15
SCALE	AS INDICATED
REVISIONS	

S1
PROJECT NO N/A