



HATTIE'S HAT CURBSIDE PERGOLA

5231 BALLARD AVENUE NW

SEATTLE DEPARTMENT OF NEIGHBORHOODS / BALLARD AVENUE LANDMARK DISTRICT BOARD
APPLICATION FOR CERTIFICATE OF APPROVAL
DONH-COA-01094

OCTOBER 01, 2024



VIEW OF BUILDING FROM
BALLARD AVENUE, PRIOR TO
CONSTRUCTION OF PERGOLA
(MAY 2019)

NOTES

1. PERGOLA PLANS, ELEVATIONS, AND SECTION DRAWINGS ARE SCHEMATIC DESIGN LEVEL ONLY AND HAVE NOT BEEN EVALUATED FOR STRUCTURAL DESIGN
2. STRUCTURAL ENGINEERING & CONSTRUCTION OF PERGOLA BY OTHERS

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PROPOSED: VIEW OF PERGOLA
AND BUILDING FROM BALLARD
AVENUE

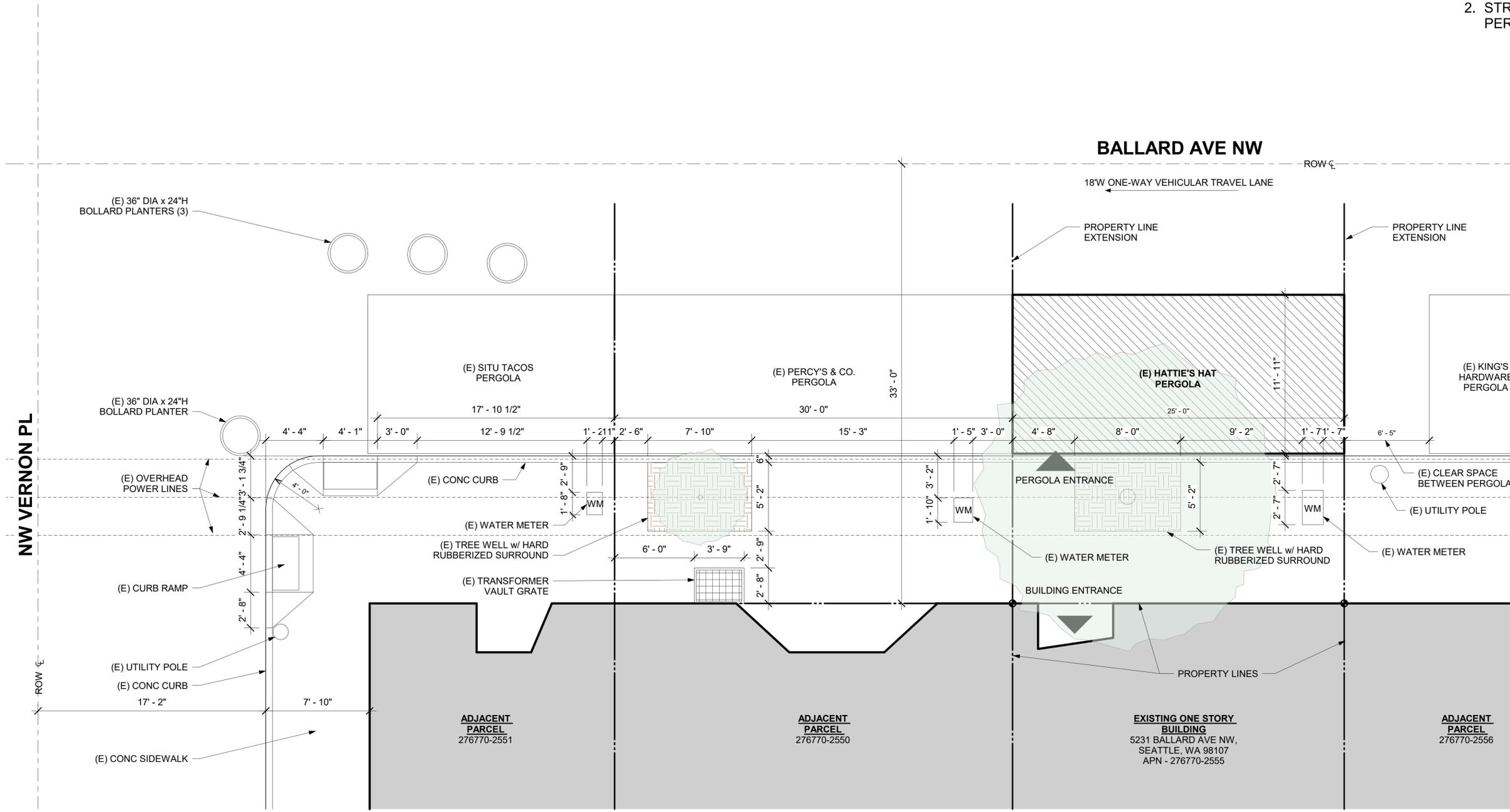
EXISTING CONDITIONS PHOTOS



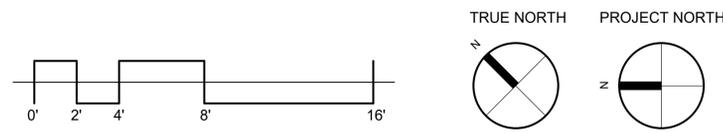
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VICINITY MAP



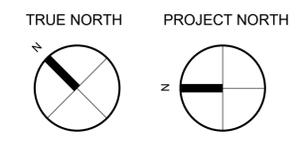
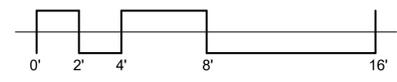
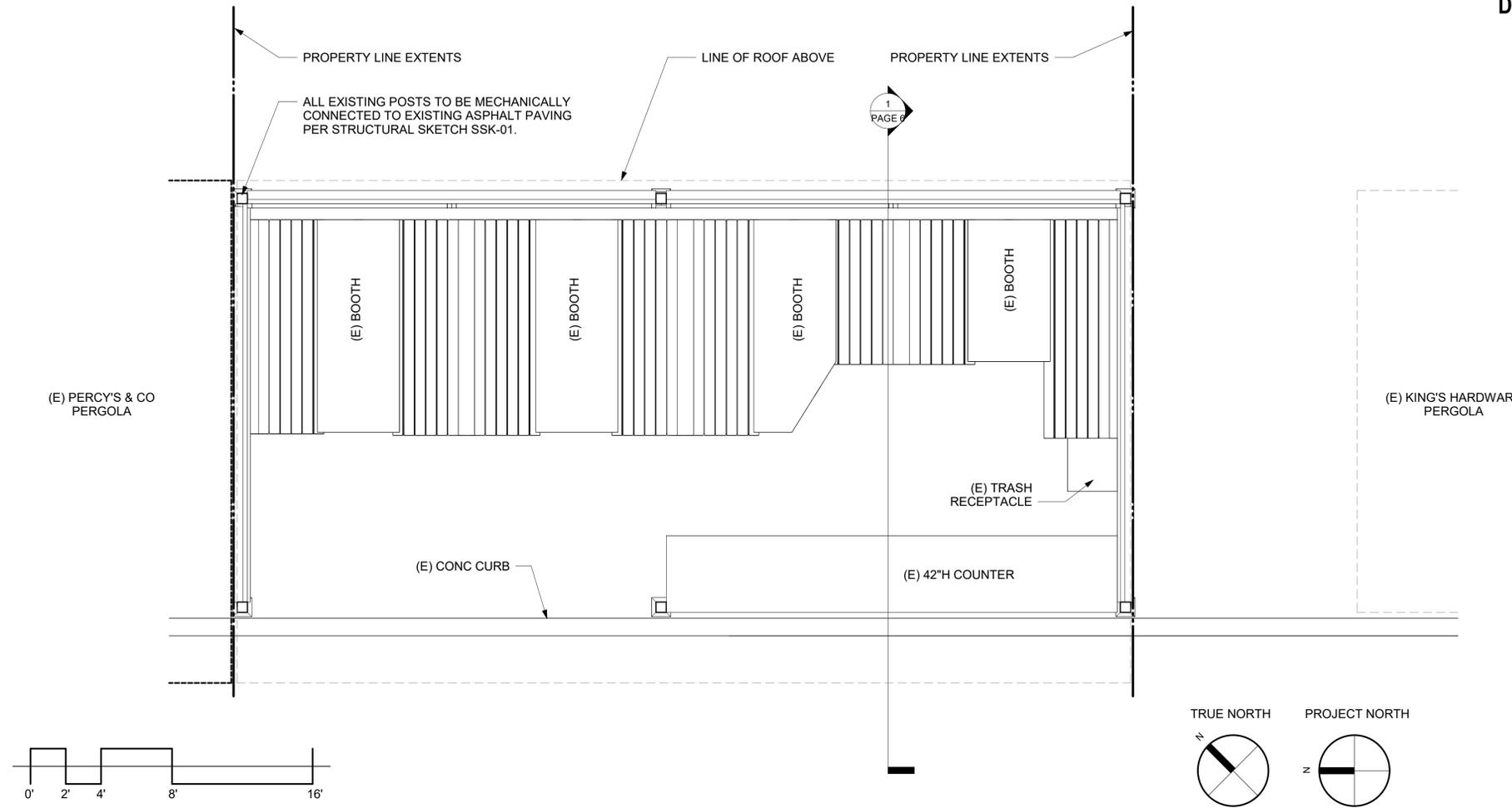
SITE PLAN



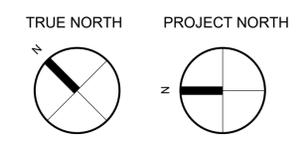
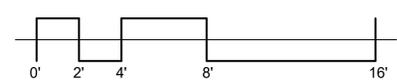
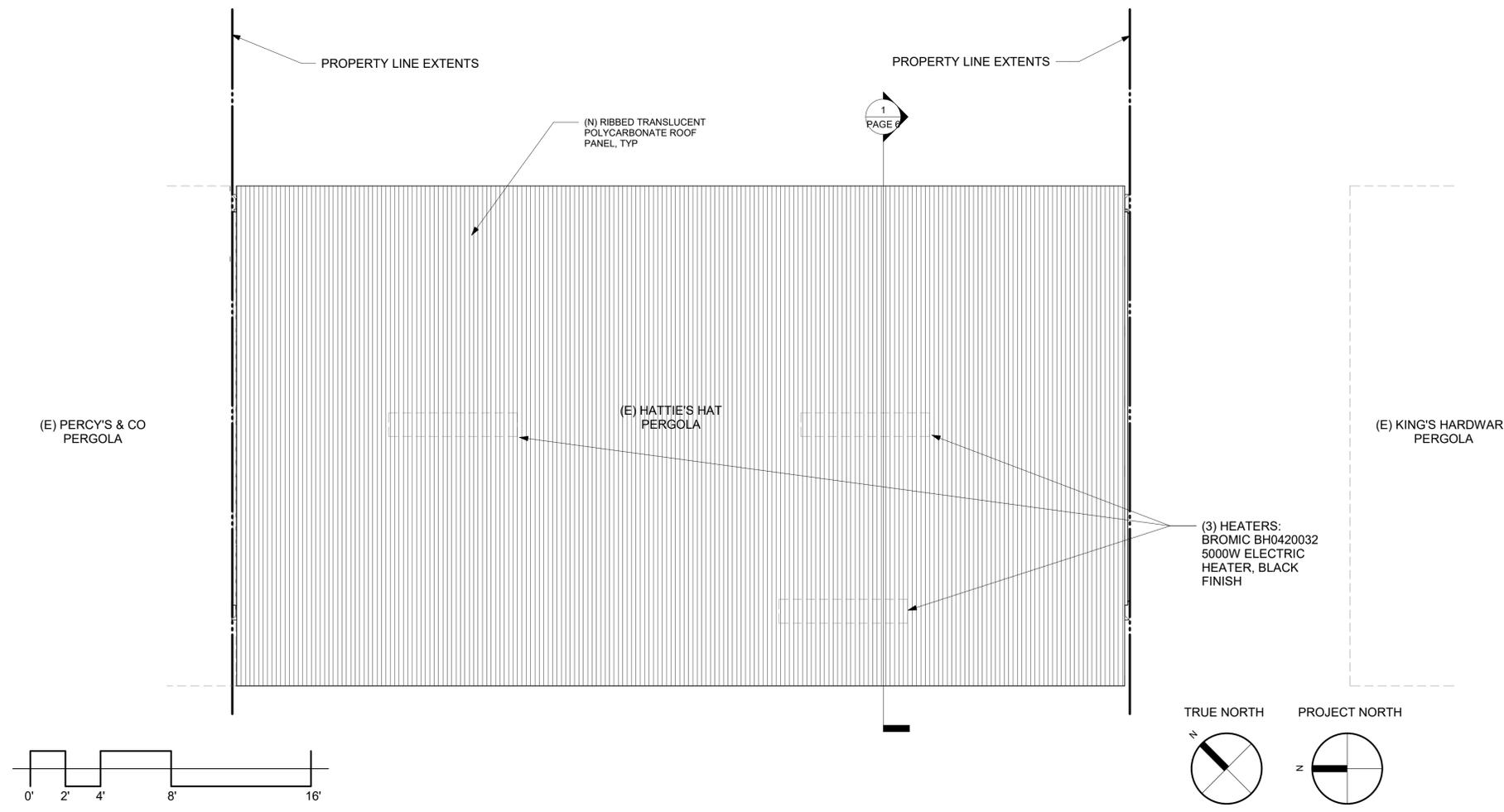
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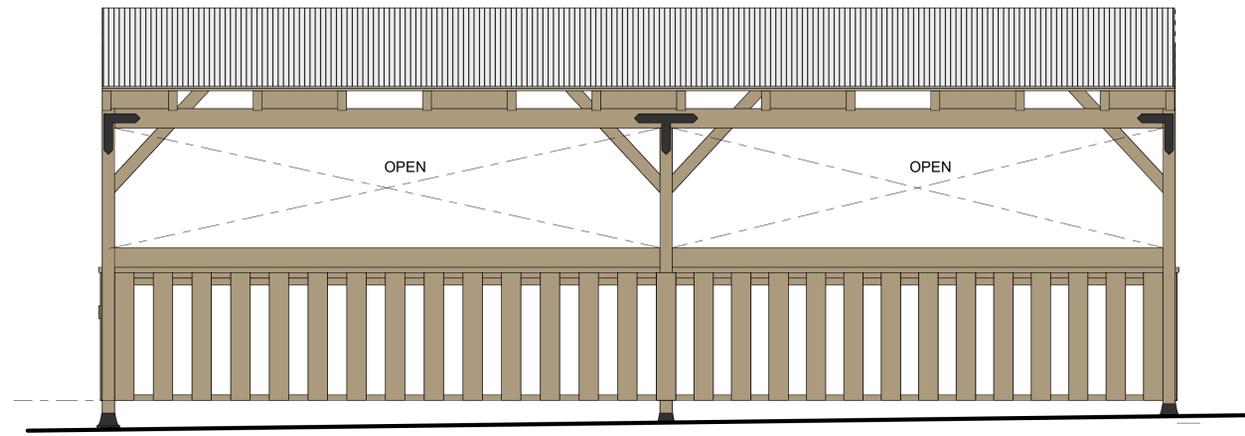
FLOOR PLAN



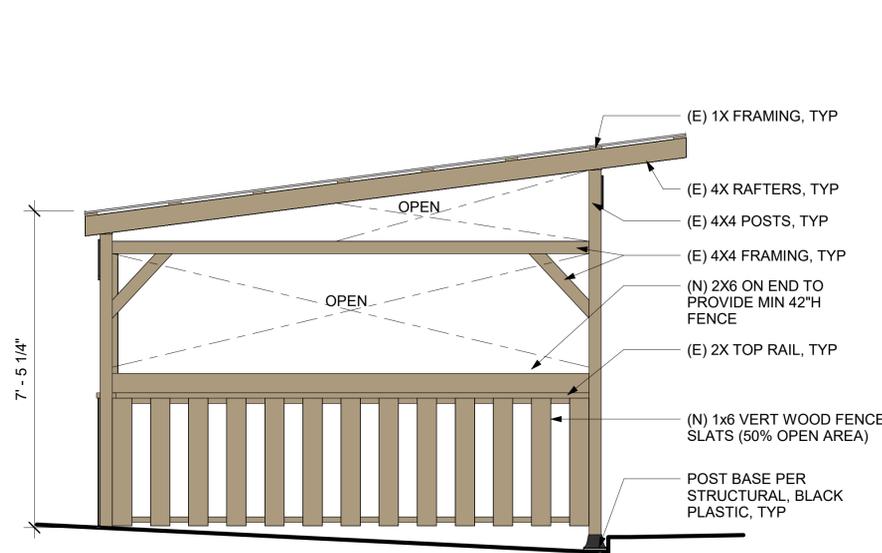
ROOF PLAN



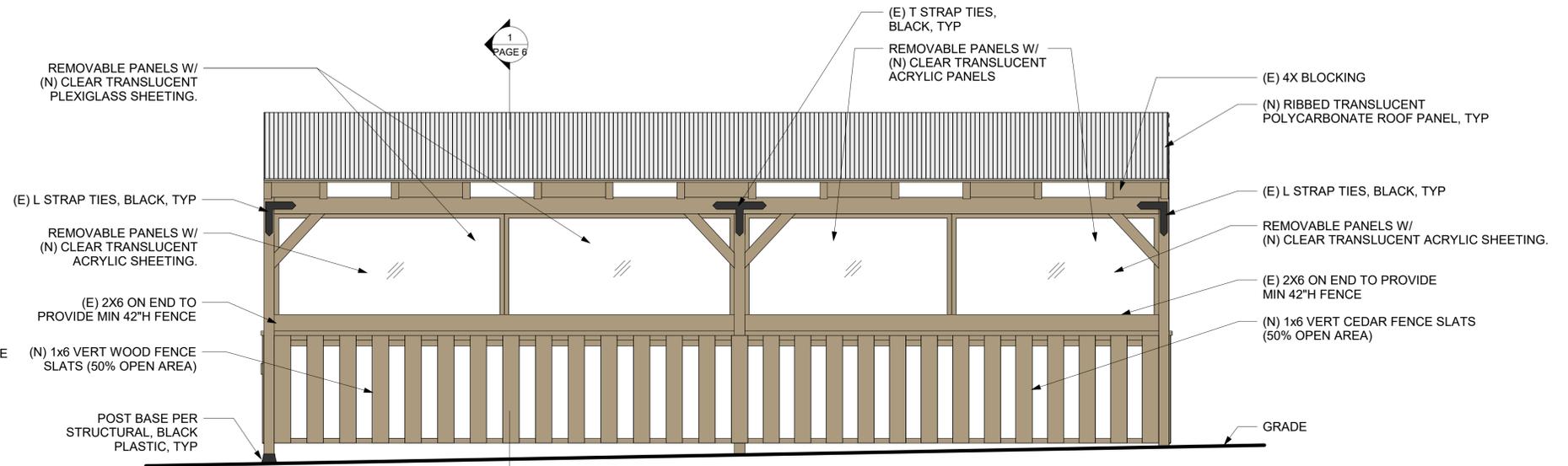
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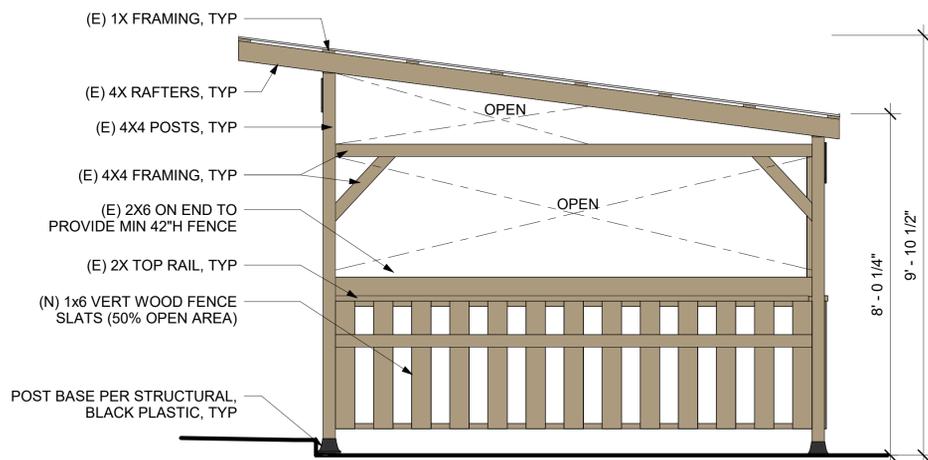
EAST ELEVATION (WALL PANELS REMOVED)



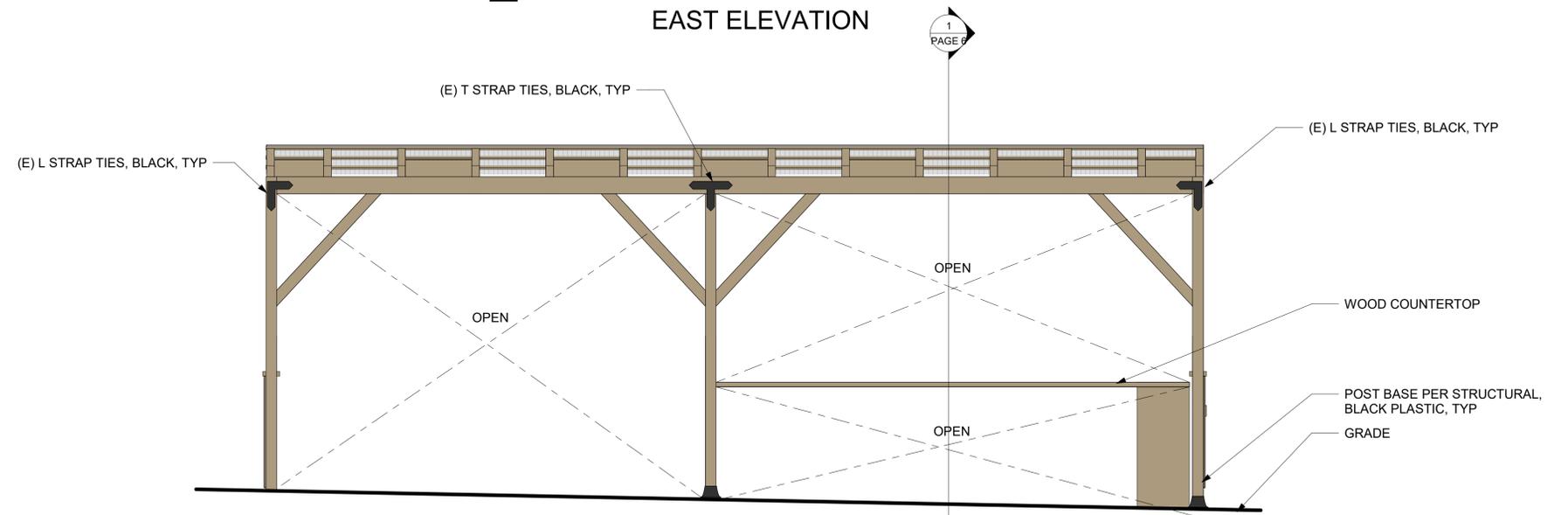
NORTH ELEVATION



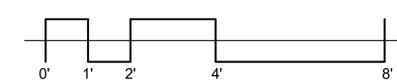
EAST ELEVATION



SOUTH ELEVATION

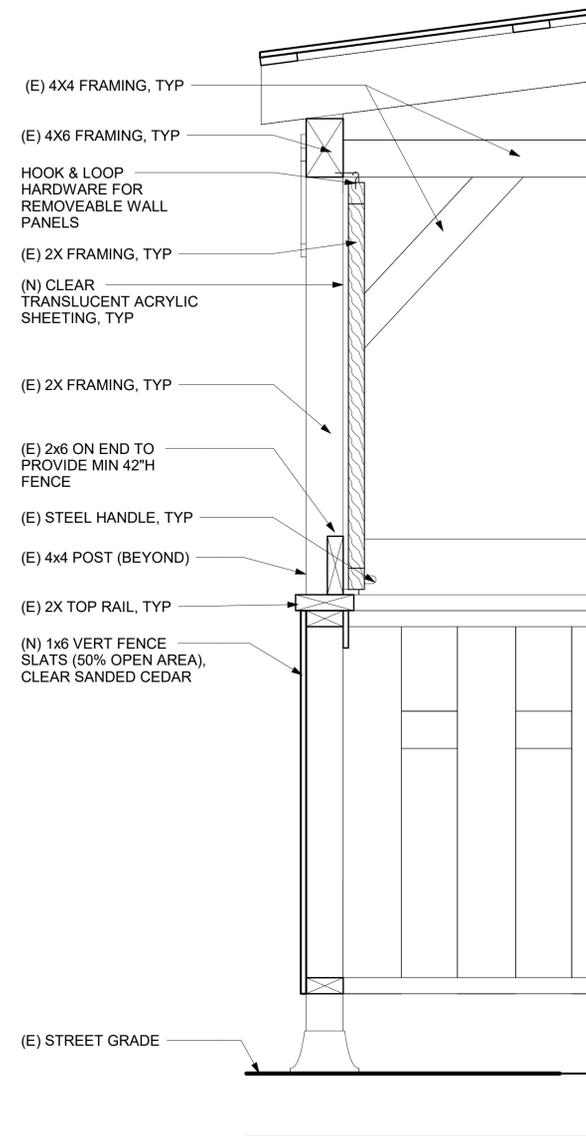


WEST ELEVATION

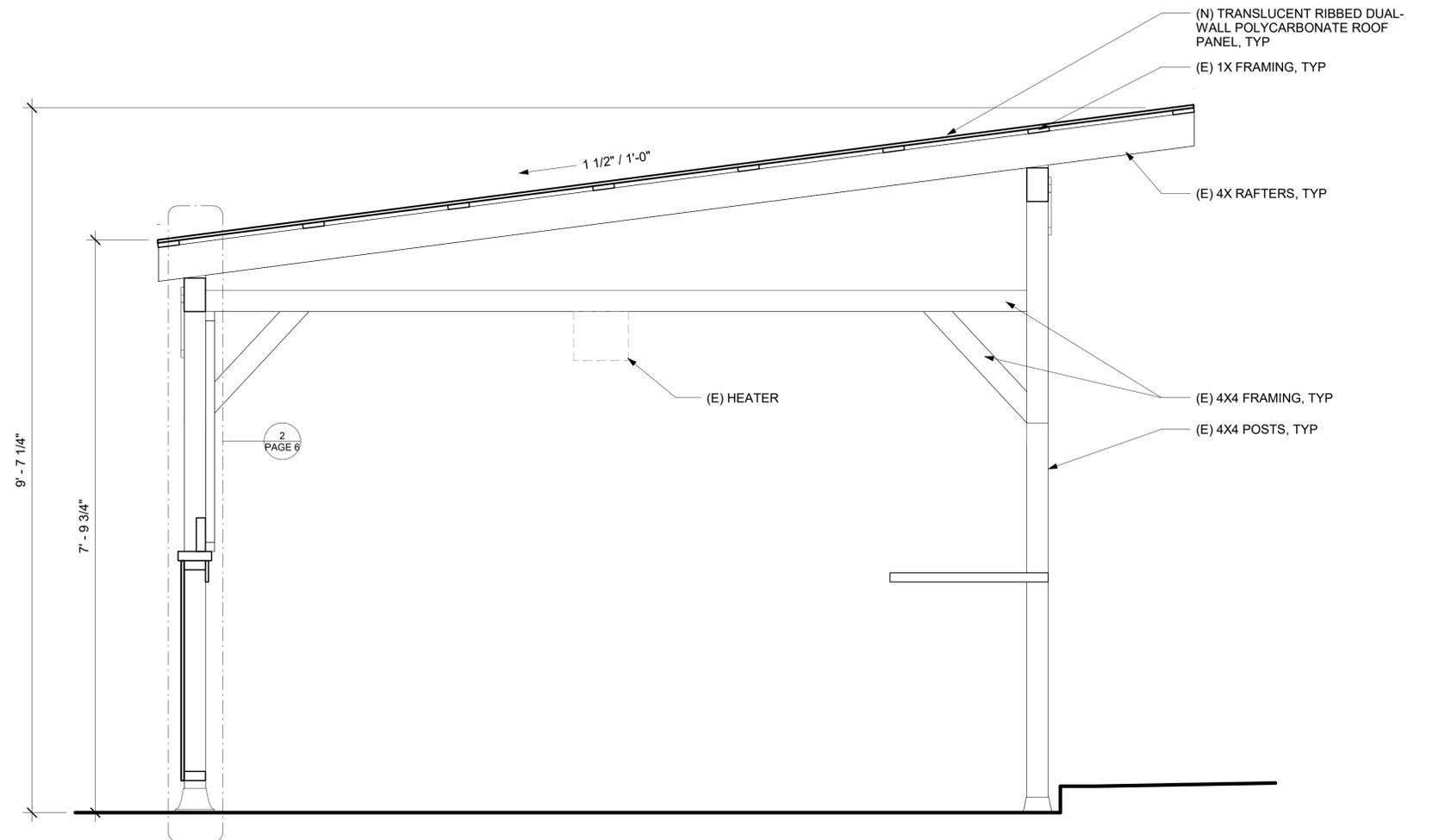


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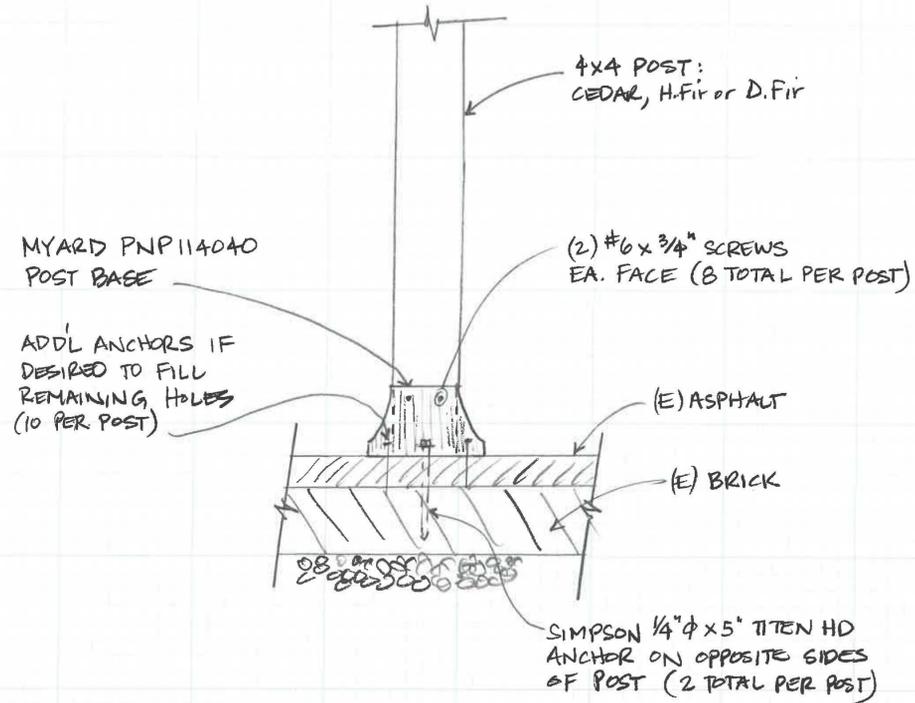
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FENCE/WALL PANEL DETAIL



SECTION



180 LB. POST BASE CONNECTION

SSK-01

PROVIDE A POST BASE CONNECTION RATED FOR 180 LB.

CHECK POST TO BASE

#6 x 3/4" Cedar Post
V_{allow} = 39 lb

8 screws = 312* > 180 lb OK

CHECK BASE TO STREET

1/4" x 5" TITEN HD

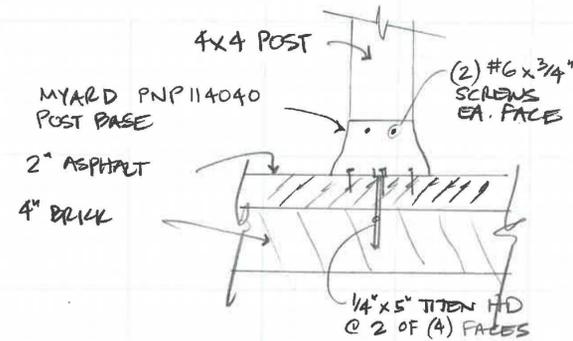
T_{allow} = 310 lb

(2) screws = 620 lb >> 180 lb OK

CHECK WEIGHT OF STREET

density ≈ 120 lb/ft³ x 6" = 60 lb/ft²

Area req'd = $\frac{180 \text{ lb}}{60 \text{ lb/ft}^2} = 3 \text{ ft}^2$
= 1.73' x 1.73' OK



QUANTUM | CONSULTING ENGINEERS

1511 THIRD AVENUE
SUITE 323
SEATTLE, WA 98101
TEL 206.957.3900
FAX 206.957.3901
www.quantumce.com

PERCY'S PERGOLA

project

MALLET

client

4/29/24

date

ST

designer

checked by

24156.01

project no.

SSK-01

sheet



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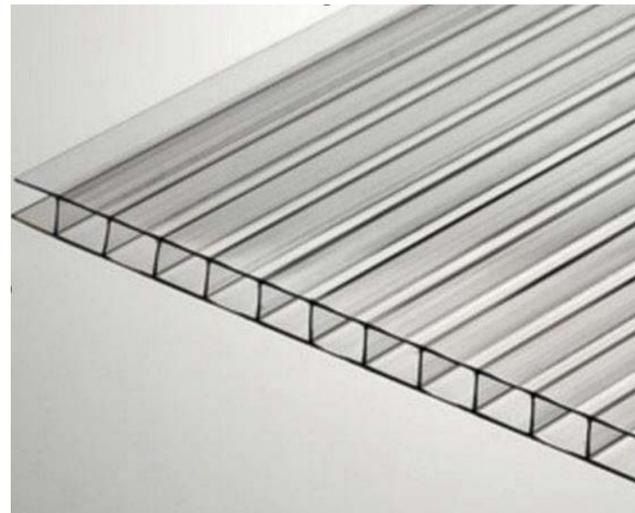
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project no.

sheet

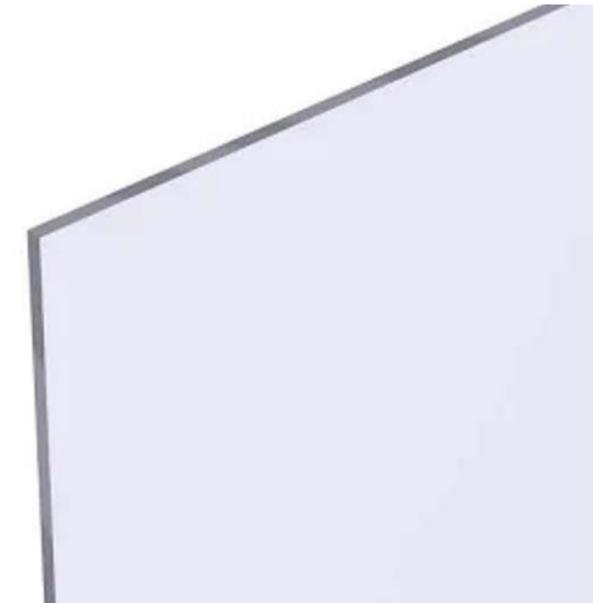
ROOFING

Location:	Roof
Manufacturer:	Plaskolite
Model:	Polygal Twinwall
Type:	Roofing panels
Size:	48" x 96" panels, 10mm thick
Material:	Double-wall polycarbonate sheet
Color:	Clear, ribbed (79% light transmittance)
Description:	Clear, ribbed polycarbonate roofing panels
Installation:	Panels/ribs span from roof ridge to roof eave, with butt-joints at panel edges. Panels are screwed directly to the pergola's roof structural members with exterior-grade screws and black neoprene washers.
Intended use:	General weather protection for occupants within the pergola structure. Material is clear to allow for daylighting within the pergola, but includes internal ribs which obscure views through the material.
Physical sample:	12" x 12" physical sample to be provided to the Landmarks Board for review.



WALL PANELS

Location:	Walls (above fences)
Manufacturer:	Calsak Plastics
Model:	Acrycast
Type:	Cell Cast Acrylic Sheet
Size:	48" x 72" panels
Material:	Clear acrylic
Color:	Clear, transparent (92% light transmittance)
Description:	Flat, clear, transparent acrylic panels
Installation:	Panels to replace existing ribbed wall panels to provide clear, unobscured views through the pergola structure to the building beyond. Panels are screwed into removable wood-framed wall panels.
Intended use:	General weather protection for occupants within the pergola structure. Material is clear and transparent to allow for daylighting within the pergola, and to reduce the visual impact of the structure in front of the main building.
Physical sample:	12" x 12" physical sample to be provided to the Landmarks Board for review.



FRAMING LUMBER

Location:	Pergola roof structure, wall structure, structural posts, fence panels
Manufacturer:	N/A
Model:	N/A
Type:	Framing lumber
Size:	2x4, 2x6, 2x8, 4x4
Material:	Douglas fir
Color:	Unfinished natural wood
Description:	General framing lumber used throughout the existing structure
Installation:	Typical wood-framing throughout structure, connected with galvanized framing nails and black structural plate connectors.
Intended use:	General structural support of the pergola, framing for lower fence panels, framing for removable upper wall panels, structural beams over wall openings, and roof structure.
Physical sample:	1.5" x 3.5" x 12" representative physical sample to be provided to the Landmarks Board for review.



STRUCTURAL FRAMING STRAP

Location:	Post-to-beam connections
Manufacturer:	Simpson Strong-Tie
Model:	APT-4 & APL-4
Type:	Flat T- and L-straps
Size:	8.25" x 13.5" (T-strap) 8.25" x 8.25" (L-strap)
Material:	12-gauge galvanized steel plate
Color:	Black "ZMAX" powdercoat finish
Description:	Black powdercoated metal structural strapping plates for connecting structural posts to structural beams
Installation:	Face-applied to structural posts and beams, and screwed to structural members with black screws.
Intended use:	Structural connections between post and beam members.
Physical sample:	(1) T-strap and (1) L-strap to be provided to the Landmarks Board for review.



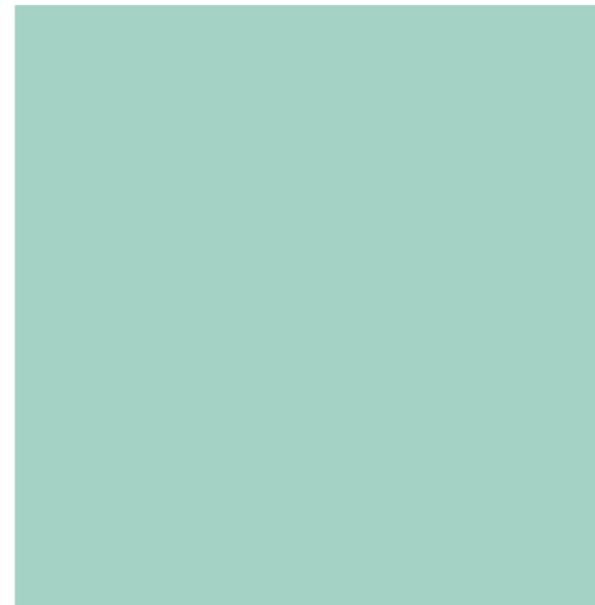
POST BASE

- Location:** At bottom of each structural post (6 total)
- Manufacturer:** Myard
Model: PNP114040
Type: Post base
Size: 7"W x 7"D x 4.13"H
Material: Fiber-reinforced plastic
Color: Black
- Description:** Post base for support of wood structural columns, and for providing mechanical connection to ground plane (to counteract uplift forces due to wind)
- Installation:** Structural wood columns are inserted into the post bases, then mechanically fastened to the bases with black stainless steel screws. Bases are then mechanically fastened to the ground plane per structural sketch SSK-1.
- Intended use:** Post bases provide a finished look to the structural wood posts, and counteract the uplift forces due to wind as required by SDOT.
- Physical sample:** (1) post base to be provided to the Landmarks Board for review.



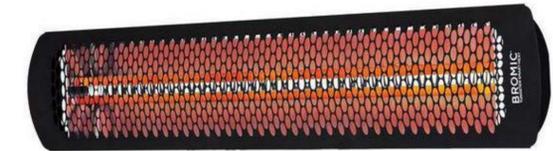
PAINT

- Location:** Fence panels
- Manufacturer:** Valspar
Model: "Jade Isle" #254-3
Type: Exterior acrylic paint, "satin" sheen
Size: N/A
Material: Acrylic paint
Color: Aqua/teal ("Jade Isle")
- Description:** Exterior acrylic paint used for painting color accent band at fence panels, and booth end panels.
- Installation:** Painted directly onto wood materials (2 coats)
- Intended use:** General weather protection for materials and for aesthetics.
- Physical sample:** 12" x 12" x 3/4" painted plywood panel to be provided to the Landmarks Board for review.



HEATERS

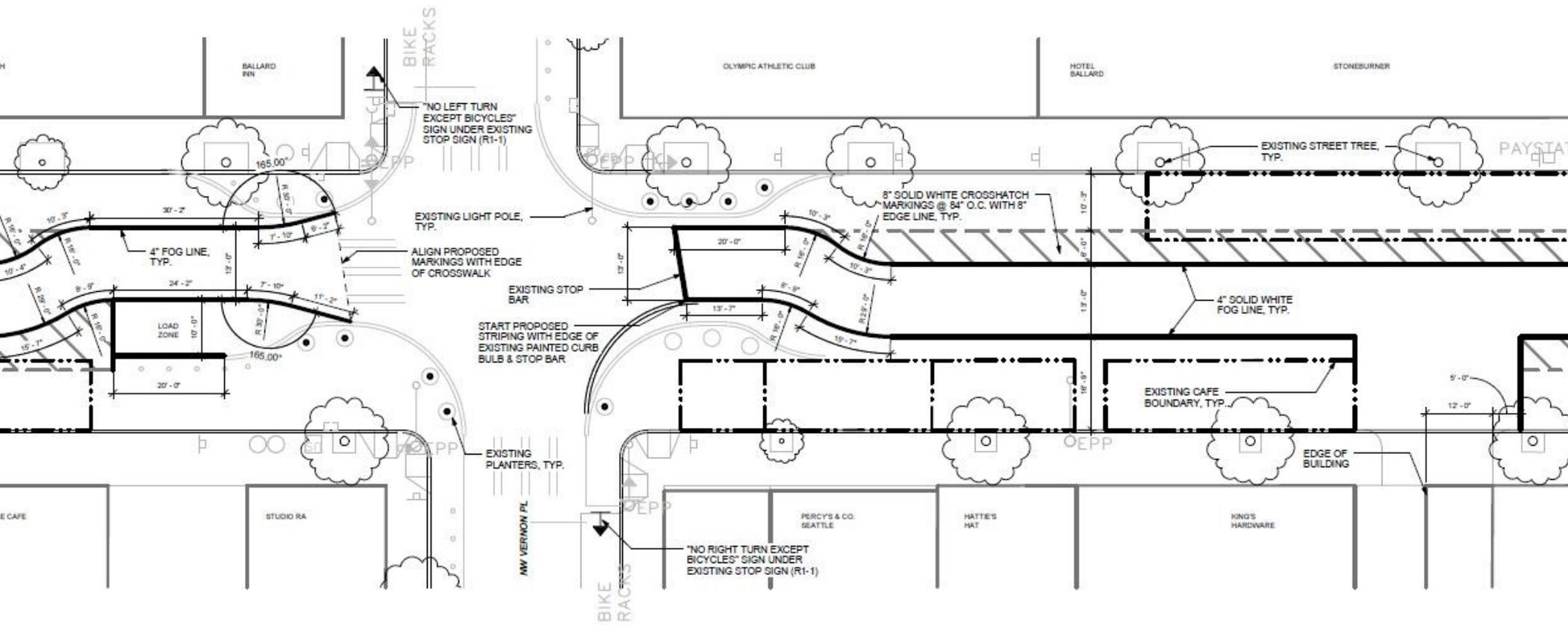
- Location:** At pergola ceiling (3 total)
- Manufacturer:** Bromic Heating USA
Model: BH0420032
Type: Electric Double Element Heater
Size: 44"W x 8"D x 9"H
Material: Painted metal
Color: Black
- Description:** Exterior overhead radiant electric heaters.
- Installation:** Hung from pergola ceiling by metal hooks. Power fed from main building by black electrical cable, spanning overhead across the sidewalk.
- Intended use:** General heating of outdoor dining during the cooler months of the year. Heaters will be removed and stored during the warmer months.
- Physical sample:** None available.



FESTOON LIGHTING

- Location:** Pergola ceiling
- Manufacturer:** Afirst
Model: N/A
Type: Festoon lighting
Size: Lamp bodies & bulbs, approximately 2" diameter
Material: Vinyl electrical cable, plastic lamp bodies, colored bulbs
Color: Black electrical cable, black lamps, colored LED bulbs
- Description:** Festoon lighting with colored LED bulbs and black plastic lamps spaced at 12" along black electrical cable.
- Installation:** Hung from metal hooks at wood rafters
- Intended use:** General lighting.
- Physical sample:** None available.





MARKING PLAN

NOTES

1. INSTALL ALL PROPOSED SIGNS ON EXISTING STOP SIGN POLES (R1-1)
2. CROSSHATCHING MAY BE OMITTED WHERE INSTALLATION IS INFEASIBLE DUE TO STRUCTURES
3. REMOVE ALL EXISTING STREET MARKINGS NOT SHOWN ON PLAN.
4. REFRESH ALL EXISTING LINES SHOWN
5. SDOT PUBLIC SPACE MANAGEMENT STAFF TO BE ON SITE DURING INSTALLATION TO CONFIRM MARKING REMOVAL AND PROPOSED MARKING ALIGNMENT.

BALLARD AVE - SDCI PROJECT NUMBER:

SEATTLE DEPARTMENT OF TRANSPORTATION
PUBLIC SPACE MANAGEMENT

APPROVED FOR SDOT PERMITTING	
ENGINEER/LA/SURVEYOR	SDOT PROJECT MANAGER
SFU/WATER ENGINEERING	SDOT SUPERVISOR
SFU/DRAINAGE	REVISED AS-BUILT



BALLARD AVE
STREET MARKING UPDATE

ALL WORK SHALL BE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS IN EFFECT ON THE DATE SHOWN ABOVE, AND SUPPLEMENTED BY SPECIAL PROVISIONS.