

PERCY'S and CO.



PERCY'S CURBSIDE PERGOLA 5233 BALLARD AVENUE NW

**SEATTLE DEPARTMENT OF NEIGHBORHOODS / BALLARD AVENUE LANDMARK DISTRICT BOARD
APPLICATION FOR CERTIFICATE OF APPROVAL
DONH-COA-01018**

SEPTEMBER 05, 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

TABLE OF CONTENTS

VIEWES FROM BALLARD AVENUE	1
EXISTING CONDITIONS PHOTOS	2
OPTION A	
SITE PLAN	3
PLANS	4
ELEVATIONS	5
OPTION B	
SITE PLAN	6
PLANS	7
ELEVATIONS	8
DETAILS	
STRUCTURAL SKETCHES	9
MATERIALS	10
MATERIALS	11
MATERIALS	12
MATERIALS	13

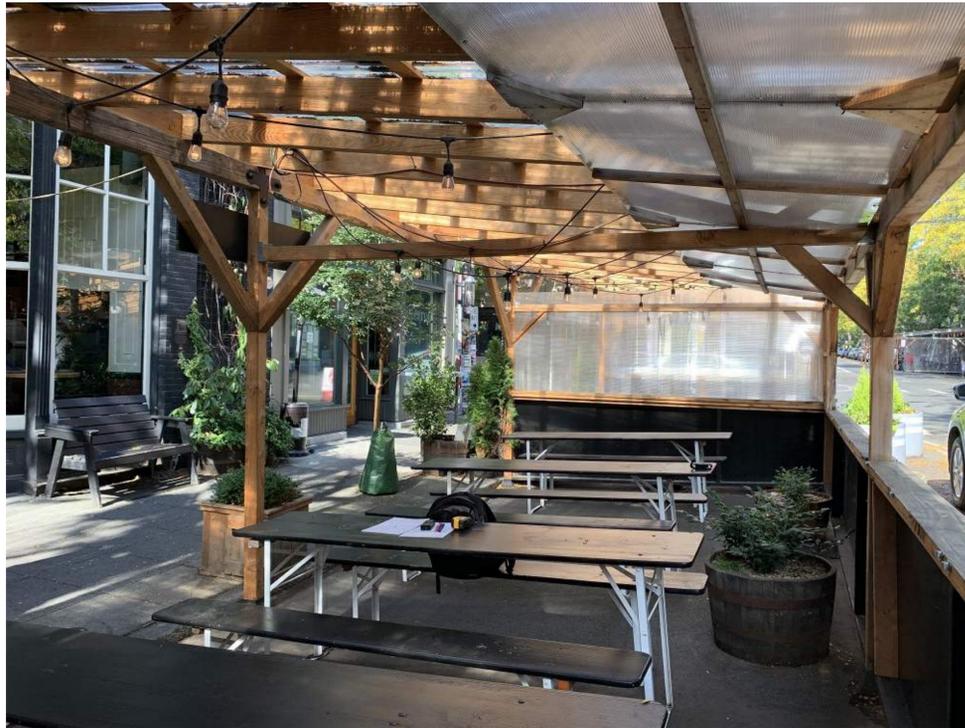
OPTION A: VIEW OF BUILDING FROM BALLARD AVENUE (OWNER-PREFERRED OPTION)



OPTION B: VIEW OF BUILDING FROM BALLARD AVENUE



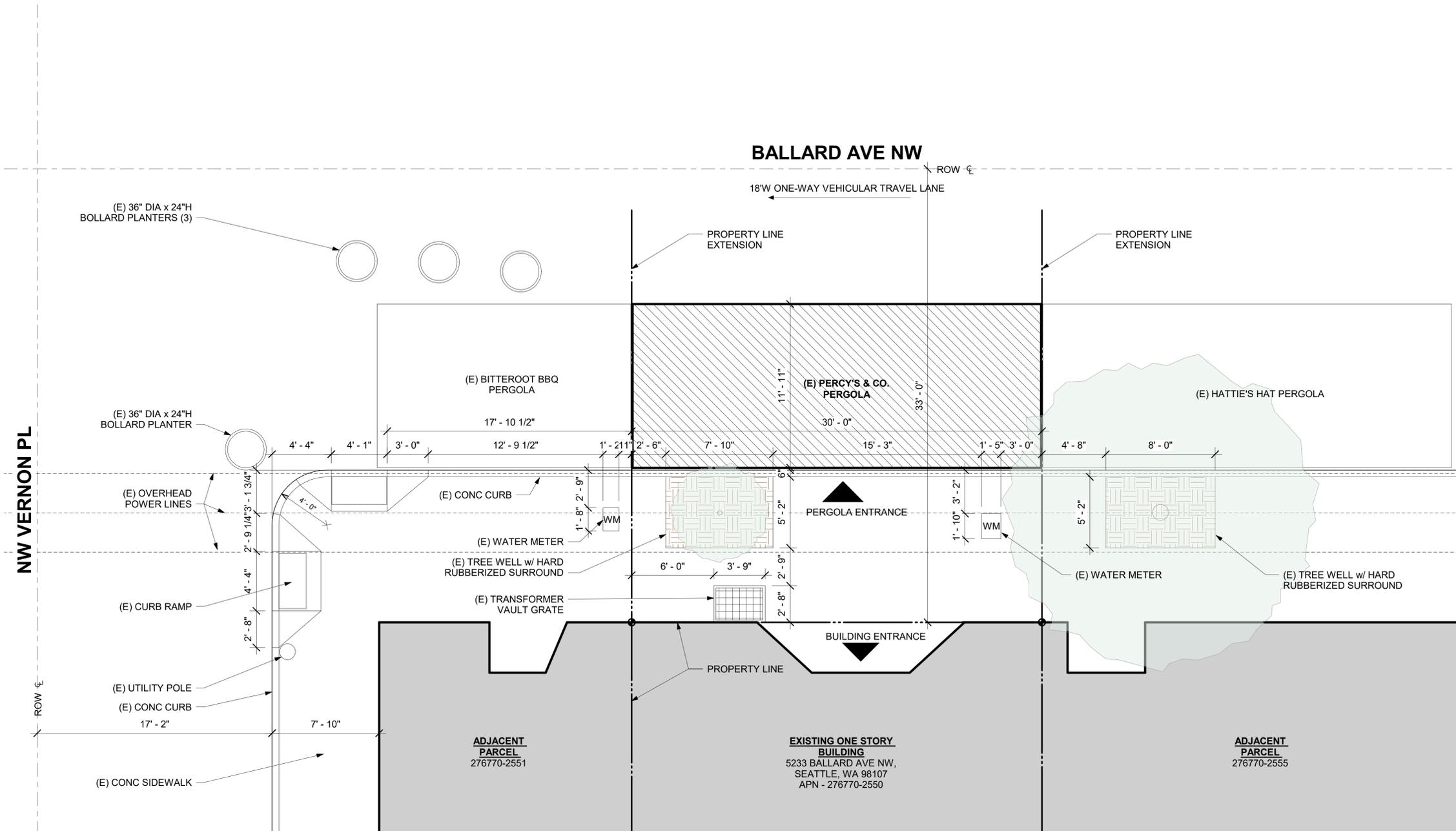
EXISTING CONDITIONS PHOTOS



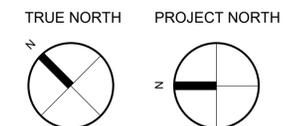
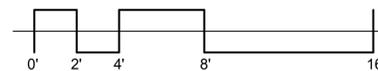
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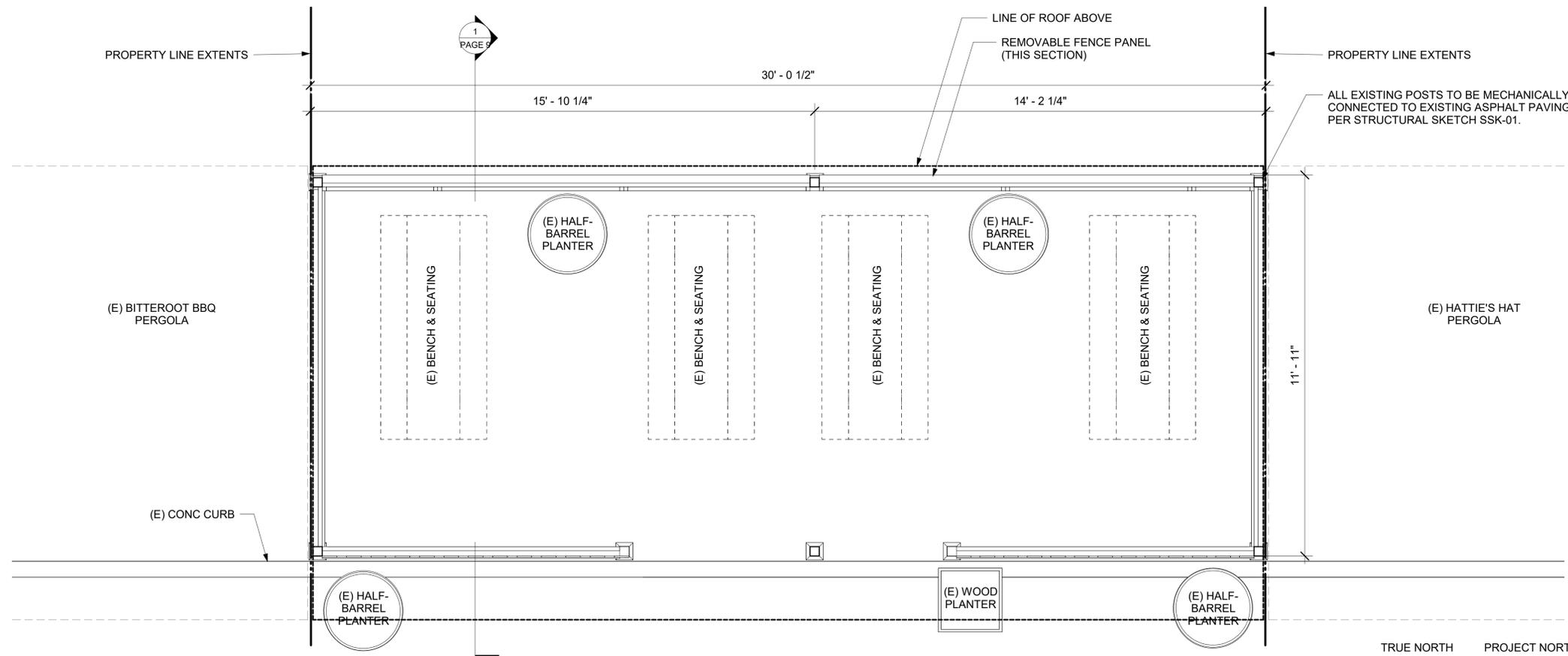
VICINITY MAP



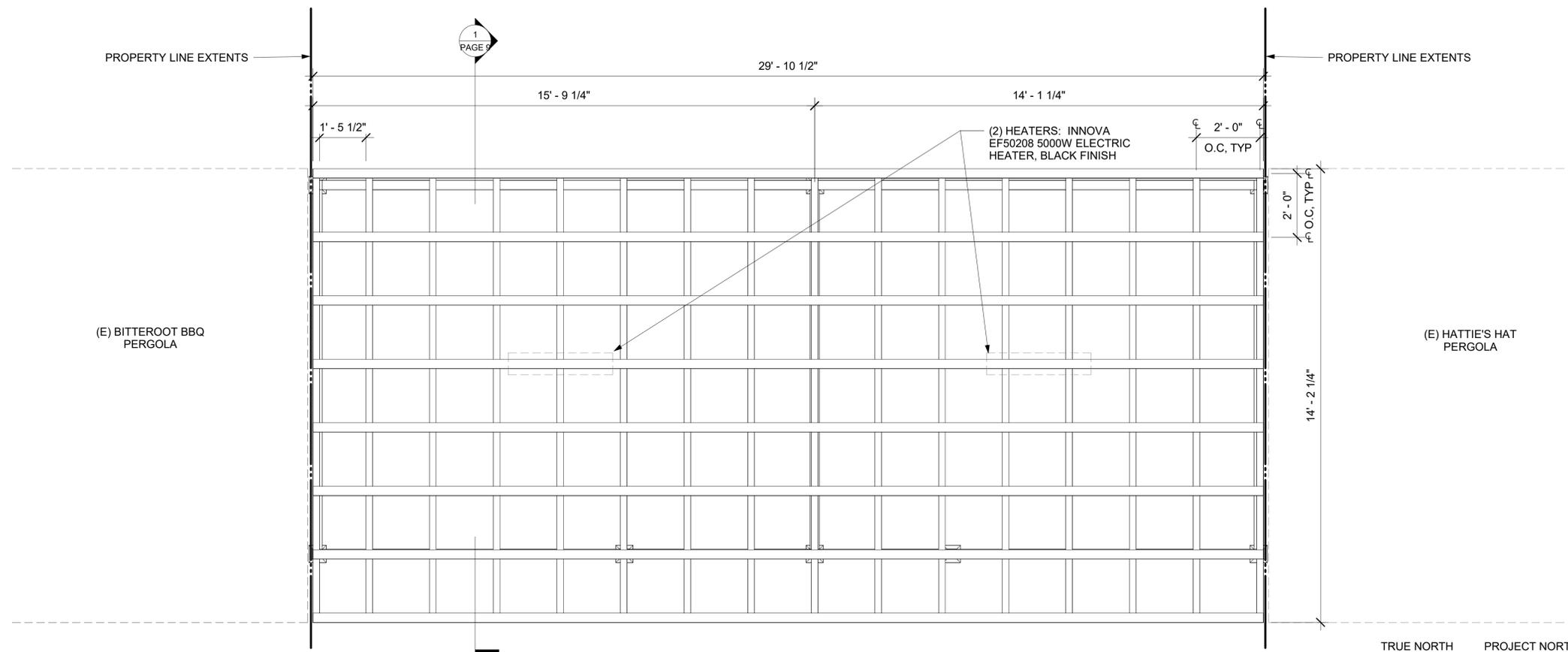
OPTION A: SITE PLAN



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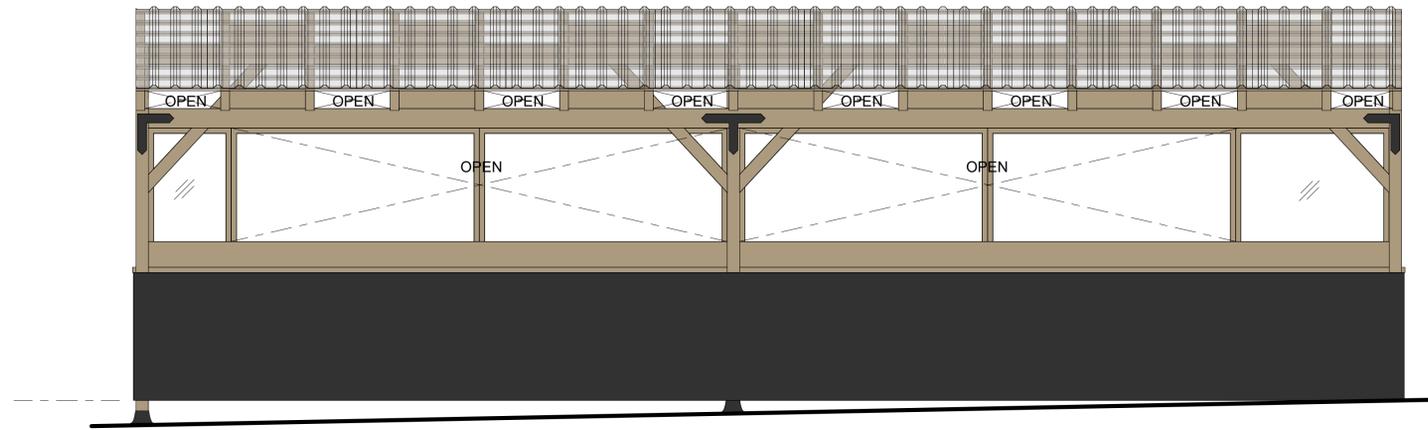
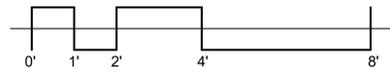


OPTION A: FLOOR PLAN



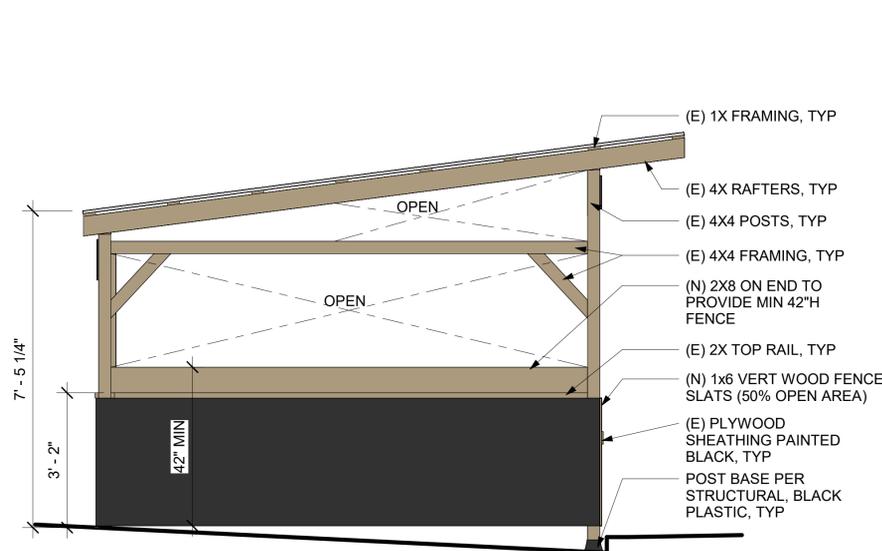
OPTION A: ROOF FRAMING PLAN

**OPTION A: SHED ROOF
(OWNER PREFERRED DESIGN)**

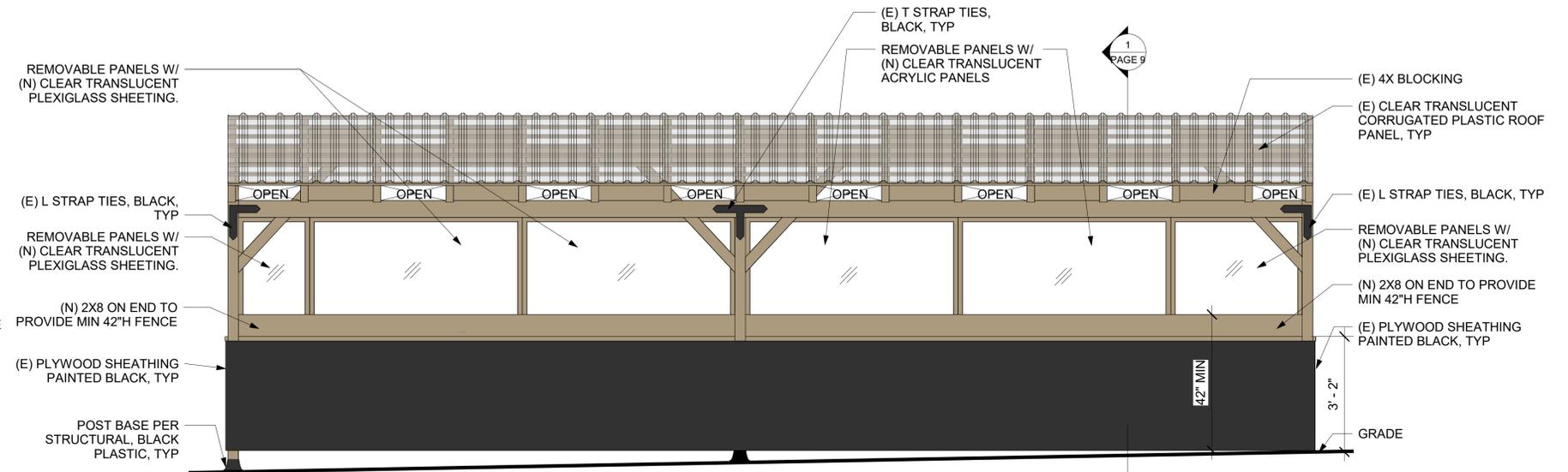


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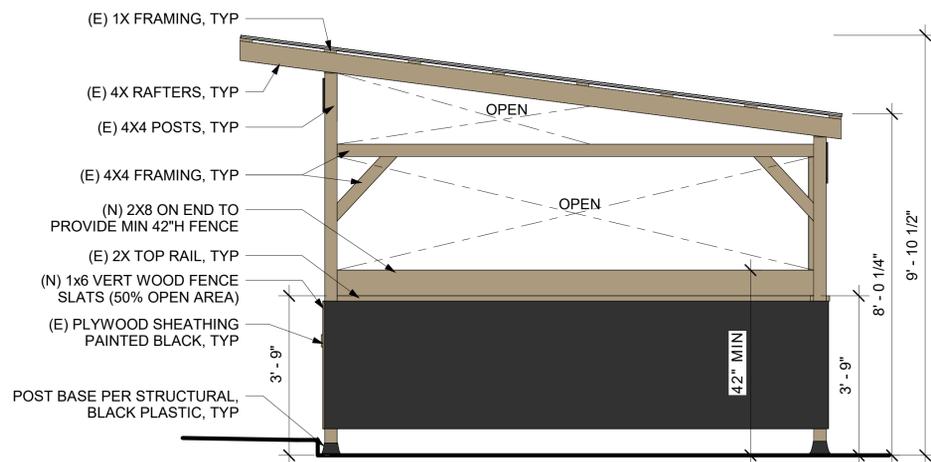
OPTION A: EAST ELEVATION (WALL PANELS REMOVED)



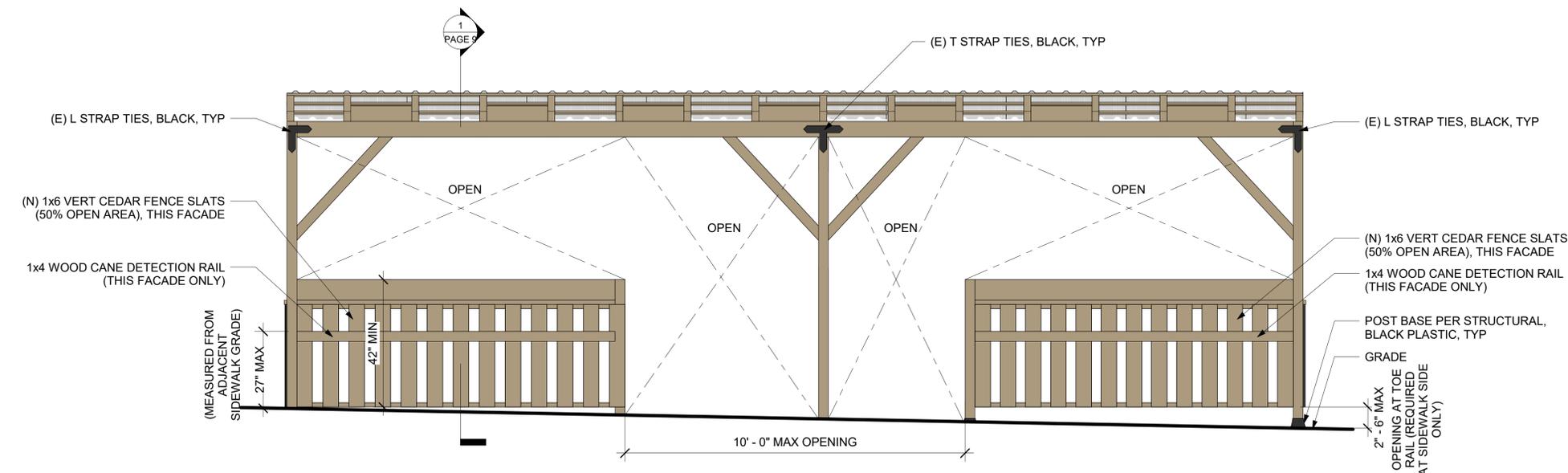
OPTION A: NORTH ELEVATION



OPTION A: EAST ELEVATION



OPTION A: SOUTH ELEVATION

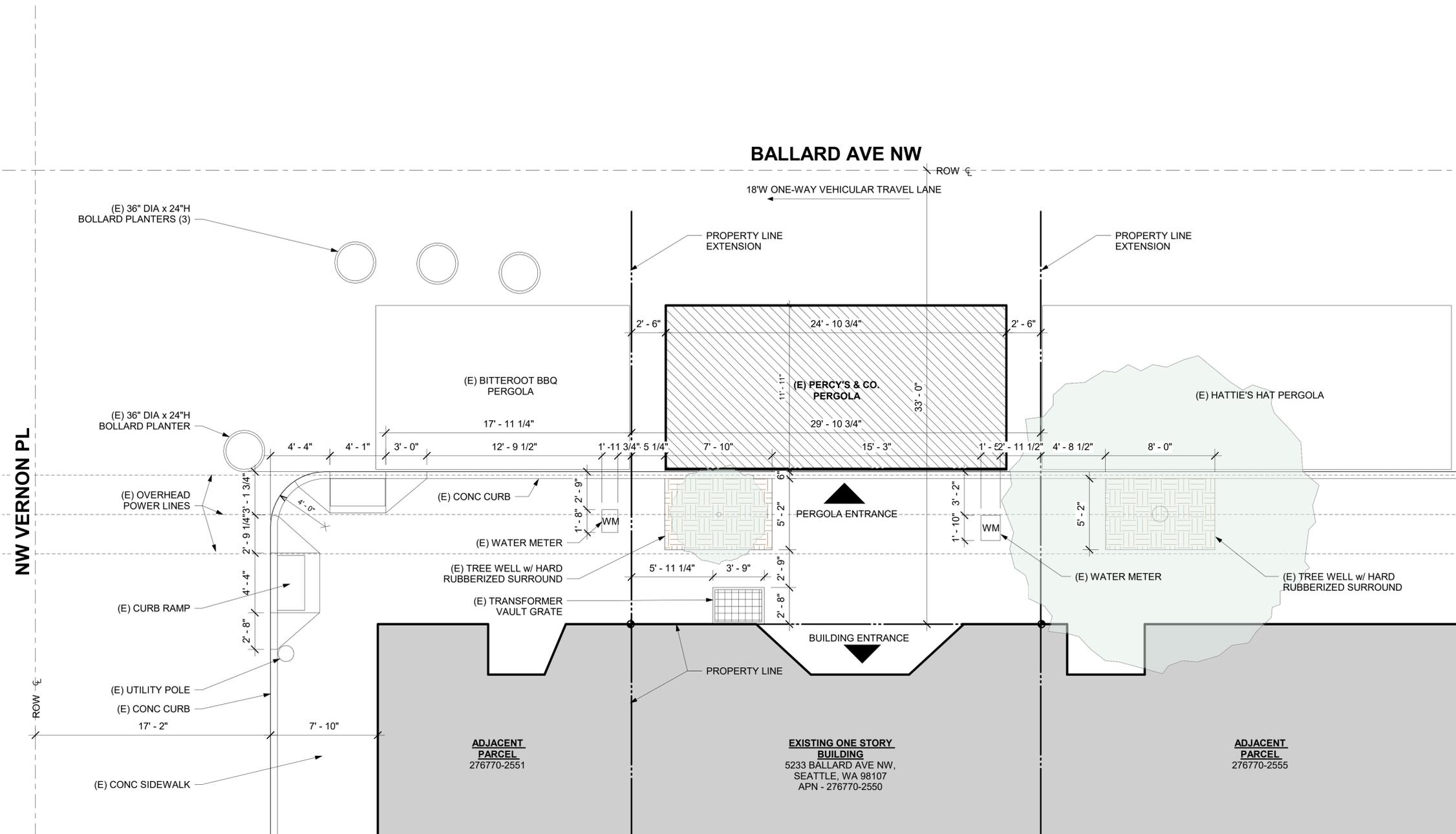


OPTION A: WEST ELEVATION

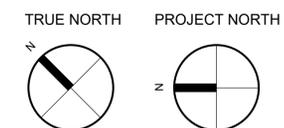
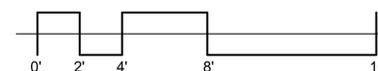
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VICINITY MAP

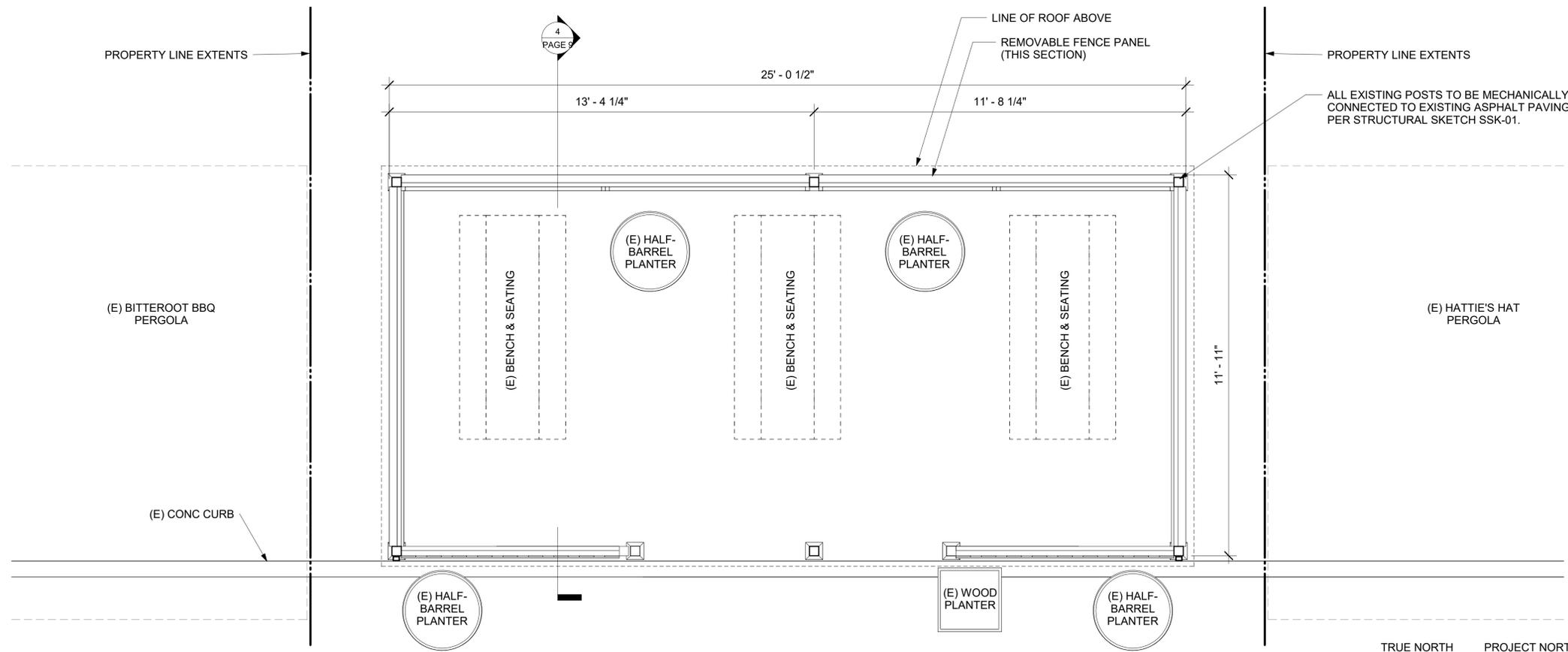


OPTION B: SITE PLAN

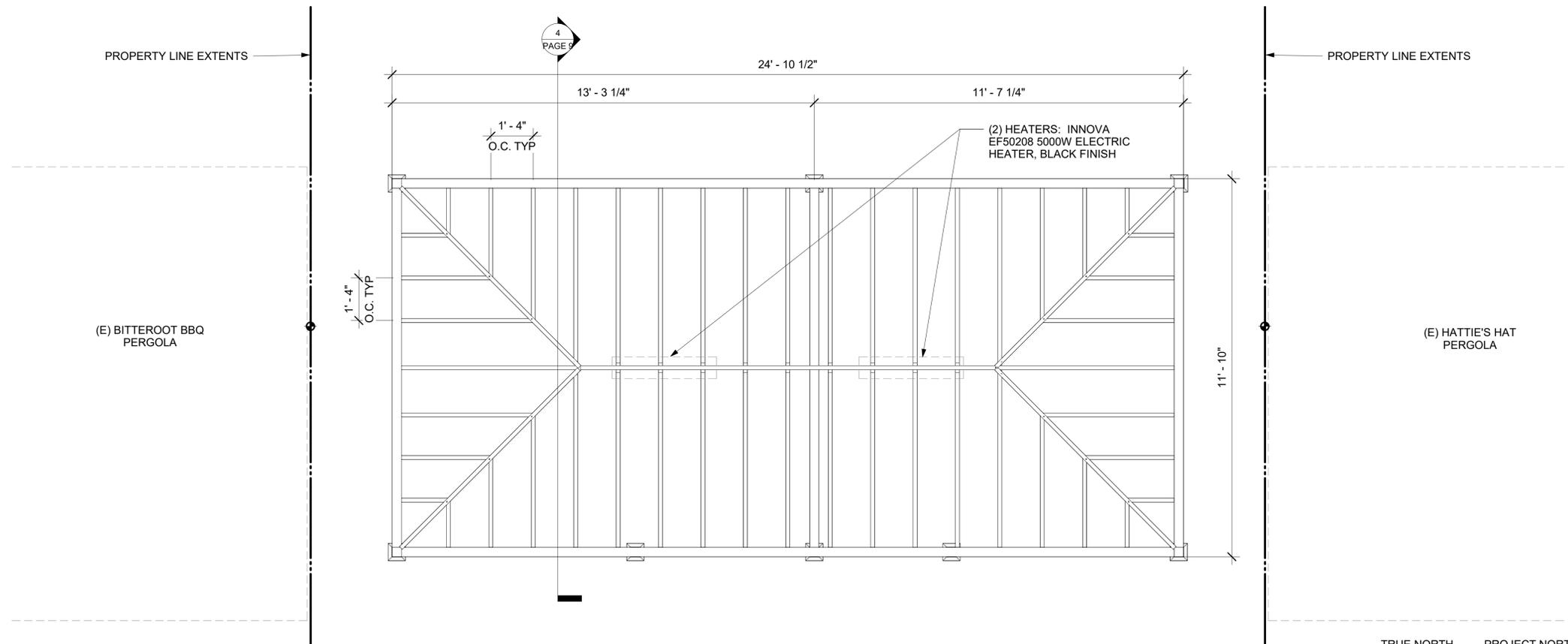


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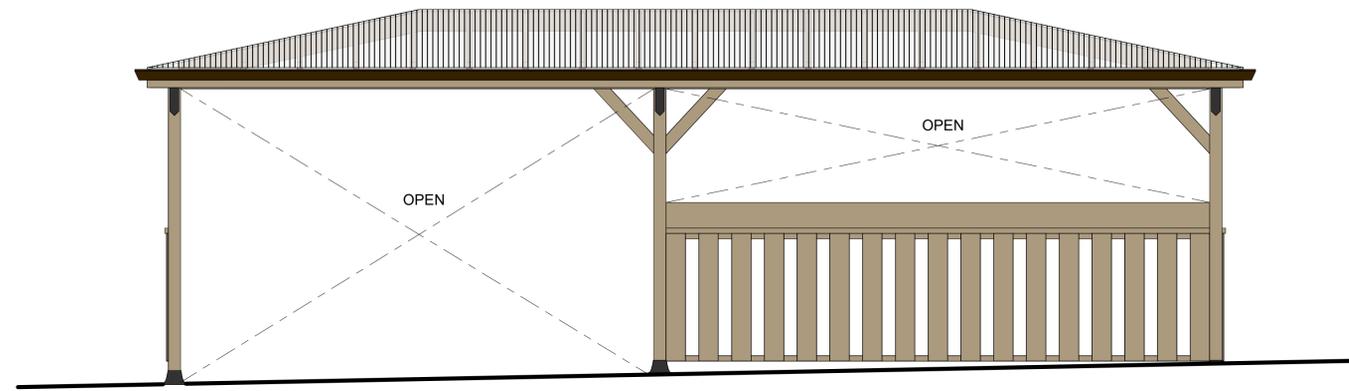
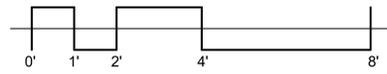


OPTION B: FLOOR PLAN



OPTION B: ROOF FRAMING PLAN

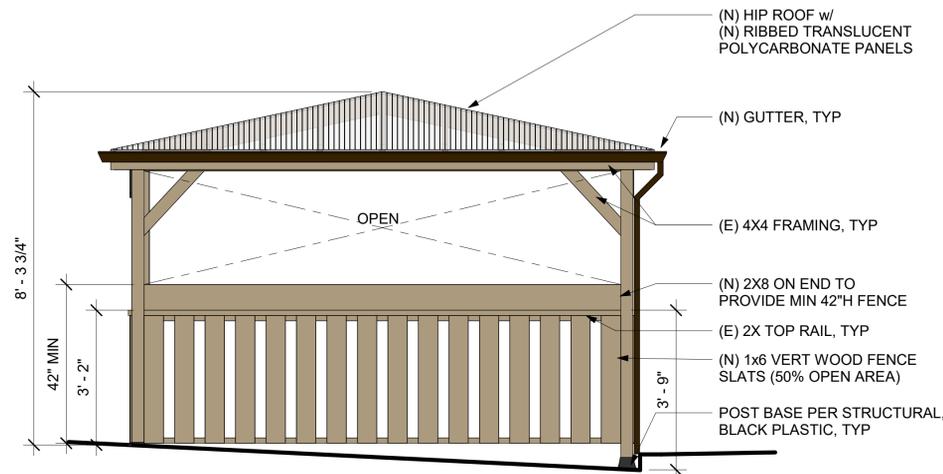
OPTION B: HIP ROOF



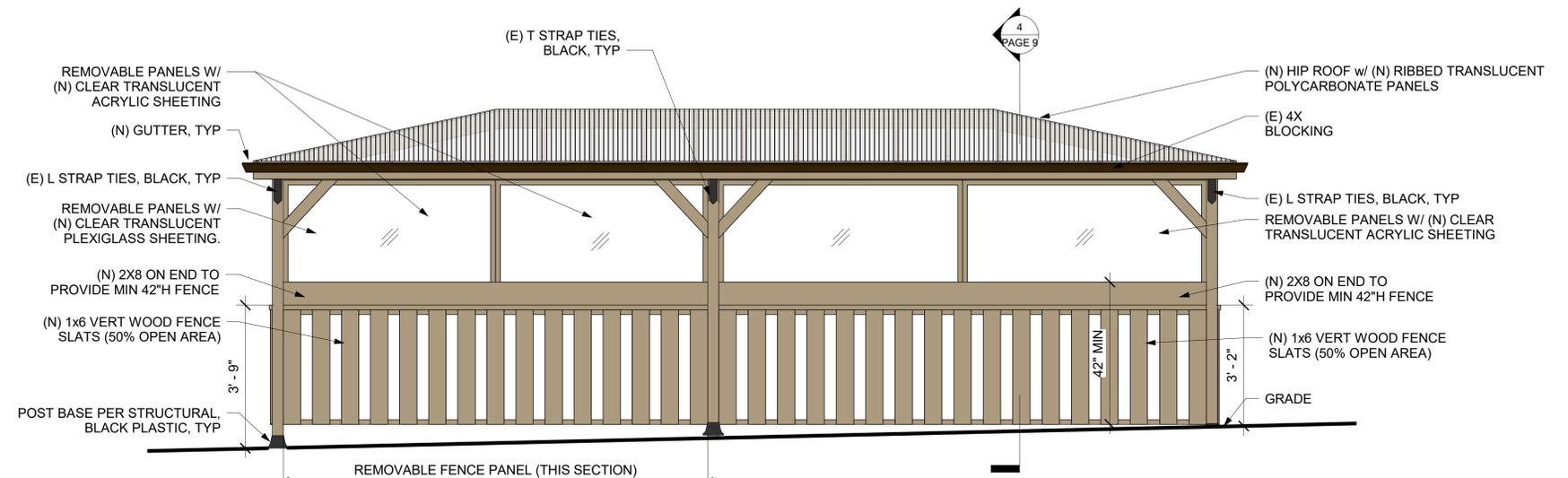
OPTION B: EAST ELEVATION (WALL PANELS REMOVED)

NOTES

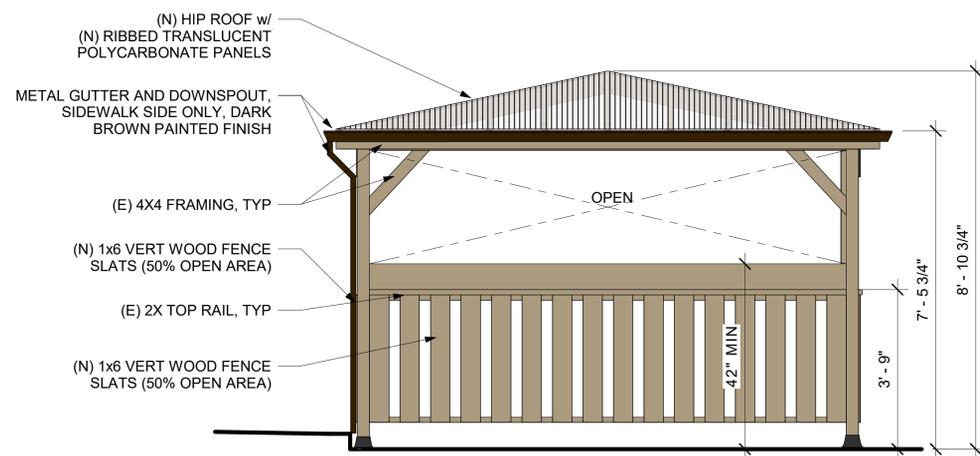
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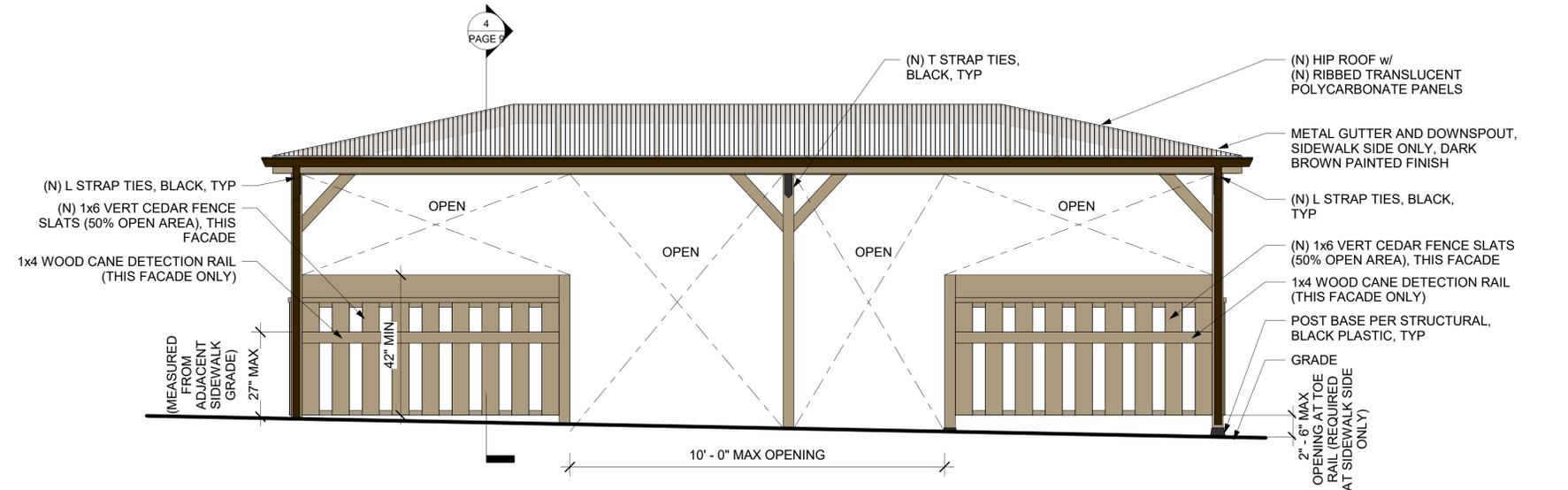
OPTION B: NORTH ELEVATION



OPTION B: EAST ELEVATION



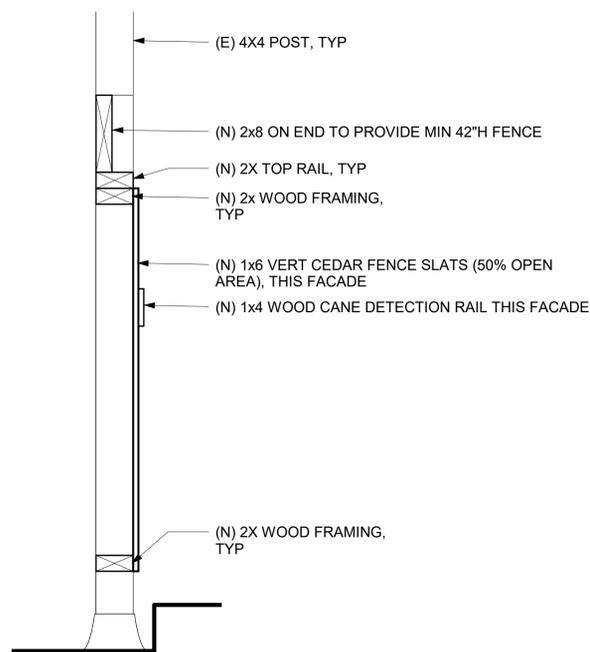
OPTION B: SOUTH ELEVATION



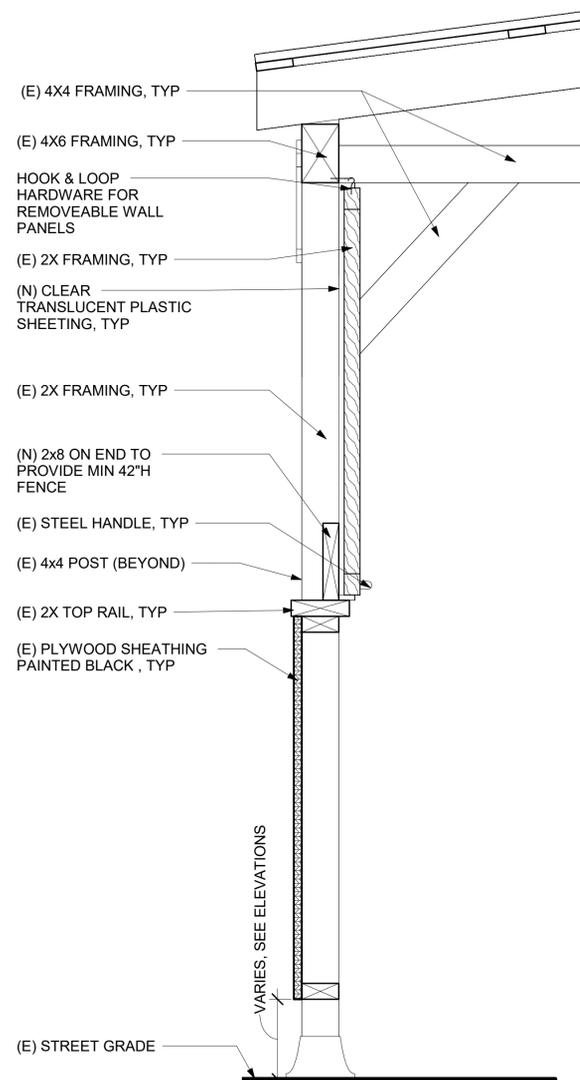
OPTION B: WEST ELEVATION

NOTES

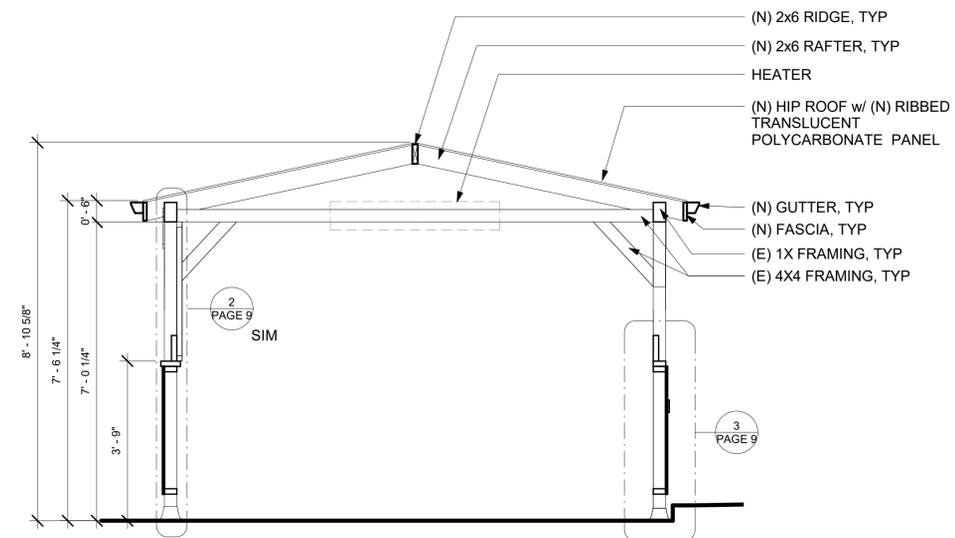
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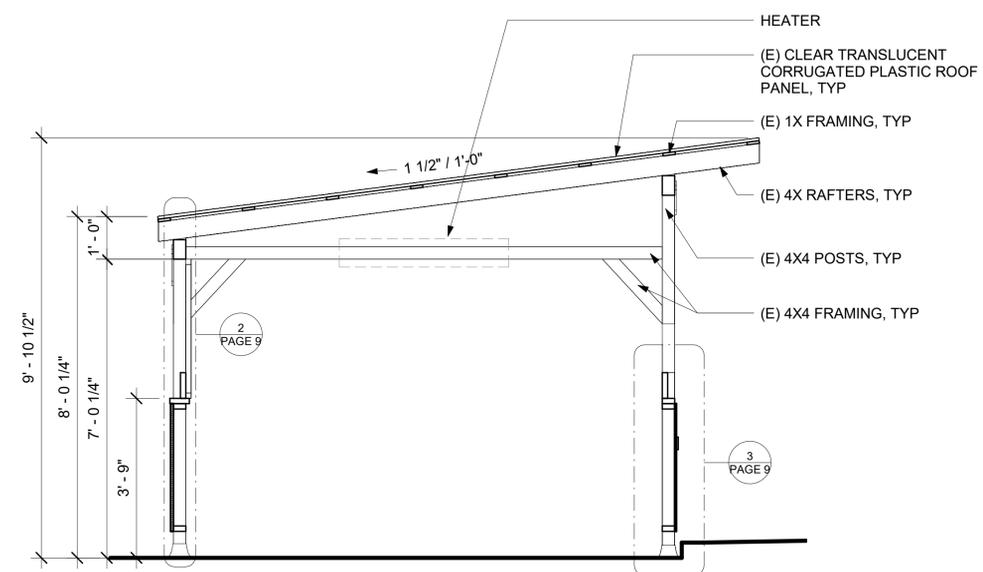
OPTIONS A/B: FENCE DETAIL



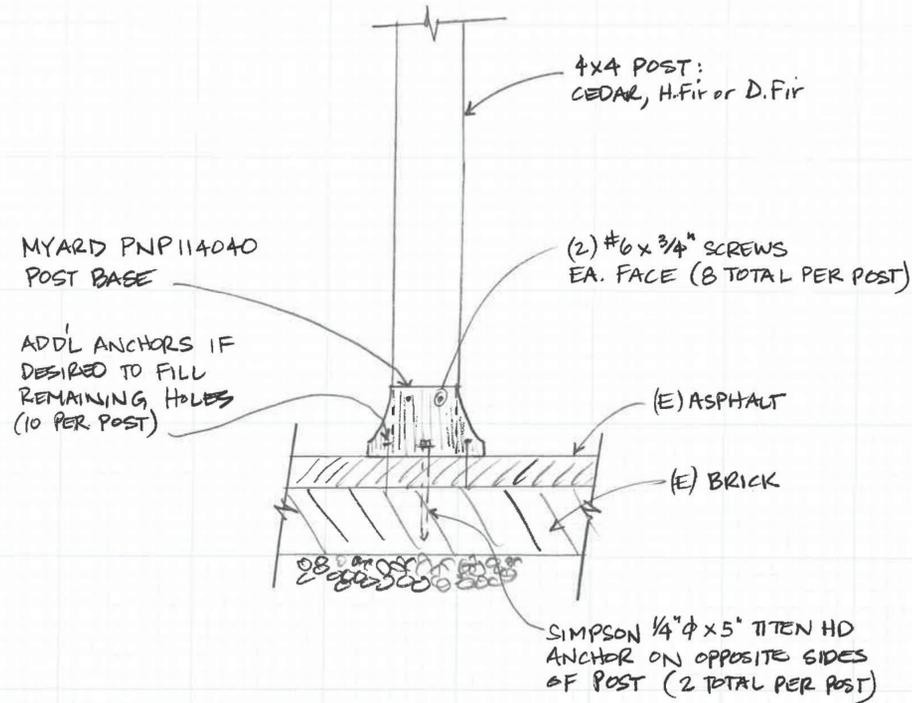
OPTIONS A/B: FENCE/WALL PANEL DETAIL



OPTION B: SECTION



OPTION A: 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
 $V_{allow} = 39 \text{ lb}$

8 screws = $312^* > 180 \text{ lb}$ **OK**

CHECK BASE TO STREET

1/4" x 5" TITEN HD

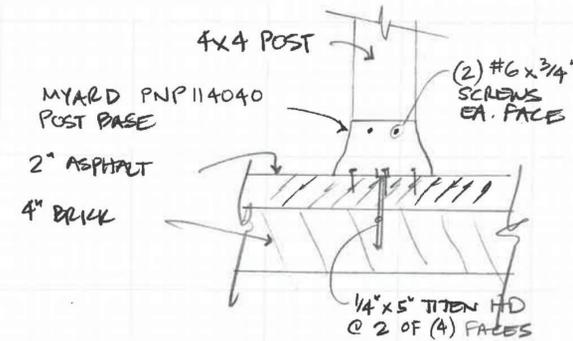
$T_{allow} = 310 \text{ lb}$

(2) screws = $620 \text{ lb} >> 180 \text{ lb}$ **OK**

CHECK WEIGHT OF STREET

density $\approx 120 \frac{\text{lb}}{\text{ft}^3} \times 6" = 60 \frac{\text{lb}}{\text{ft}^2}$

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



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PERCY'S PERGOLA

project

MALLET

client

4/29/24

date

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designer

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sheet



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ROOFING (OWNER-PREFERRED OPTION)

Location: Roof

Manufacturer: Palram
Model: Suntuf, Greca 76 profile
Type: Roofing panels
Size: 24" x 96" panels
Material: Corrugated polycarbonate
Color: Clear, transparent (90% light transmittance)

Description: Clear, transparent corrugated polycarbonate roofing panels

Installation: Panels/corrugations span from roof ridge to roof eave, with 3" of overlap 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 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.



ROOFING (ALTERNATE)

Location: Roof

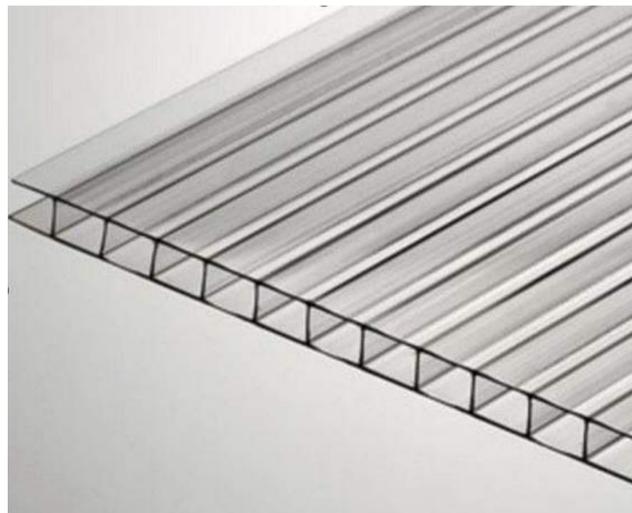
Manufacturer: Plaskolite
Model: Polygal Twinwall
Type: Roofing panels
Size: 48" x 96" panels, 10mm thick
Material: Double-wall polycarbonate sheet
Color: Clear, ribbed (79% light transmittance)

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)

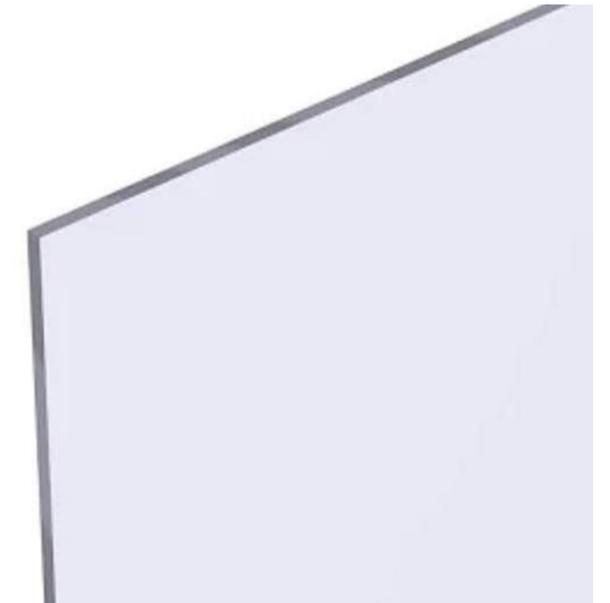
Manufacturer: Calsak Plastics
Model: Acrycast
Type: Cell Cast Acrylic Sheet
Size: 48" x 72" panels
Material: Clear acrylic
Color: Clear, transparent (92% light transmittance)

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.



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:** Miller Paints
Model: "Silent Sea" #0515N
Type: Exterior acrylic paint, "velvet" sheen
Size: N/A
Material: Acrylic paint on 3/4" thick plywood panels
Color: Black ("Silent Sea")
- Description:** Exterior acrylic paint used for painting lower plywood fence panels.
- Installation:** Painted directly onto plywood fence panels (2 coats)
- Intended use:** General weather protection for plywood fence panels and aesthetics.
- Physical sample:** 12" x 12" x 3/4" painted plywood panel 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.



FESTOON LIGHTING

- Location:** Pergola ceiling
- Manufacturer:** Bulbrite
Model: N/A
Type: Festoon lighting
Size: Lamp bodies & bulbs, approximately 2" diameter and 3" long
Material: Vinyl electrical cable, plastic lamp bodies, clear bulbs
Color: Black electrical cable, black lamps, clear 2700K color temp LED bulbs
- Description:** Festoon lighting with clear LED bulbs and black plastic lamps spaced at 30" along black electrical cable.
- Installation:** Hung from metal hooks at wood rafters
- Intended use:** General lighting.
- Physical sample:** (1) T-strap and (1) L-strap to be provided to the Landmarks Board for review.



HEATERS

Location: At pergola ceiling (2 total)

Manufacturer: Innova Heating Co.
Model: EF50208
Type: Electric Dual Quartz Element Heater
Size: 40"W x 8"D x 9"H
Material: Fiber-reinforced plastic
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.

