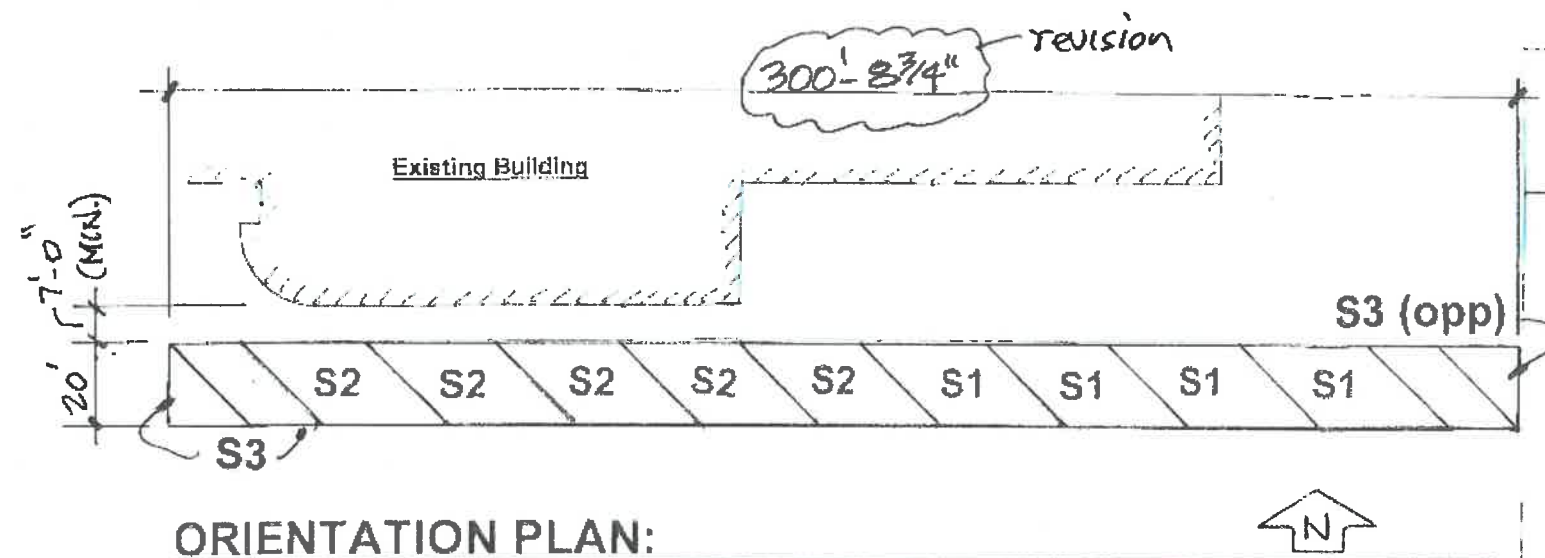




Approval of submitted plans is not an approval of omissions or oversights by this office or non compliance with any applicable regulations of local government. The contractor is responsible for making sure that the building complies with all applicable codes and regulations of the local government.

The approved construction plans, documents, and all engineering must be posted on the job at all inspections in a visible and readily accessible location.

**Full sized legible color plans** are required to be provided by the permittee on site for inspection.

Separate Electrical Permit is required with the Washington State Department of Labor & Industries.  
<https://lni.wa.gov/licensing-permits/electrical/electrical-permits-fees-and-inspections>  
 or call for Licensing Information: 1-800-647-0982

**MEMBER SUMMARY: PUYALLUP PUBLIC SAFETY**

Roof Deck: 28 gage "SP-3F" (Fy = 80 ksi)

Purlins: "14C12" (14" x 3" x 12 gage) Fy = 55 ksi

Cross-Beams: "10C12" (10" x 3" x 12 gage) Fy = 55 ksi

COL: HSS 5 x 5 x 3/16" (ASTM A500 Grade C)

Footings: 36" diameter x 4'-6" deep (augered)  
 Do NOT form. No Sonotubes.

## Structural DRAWINGS DIAGONAL CARPORTS Puyallup Public Safety Building

Steelport LLC - Client

DESIGN LOADS: ASCE-7(22) **IBC (2021)**

Roof Load = 28 psf (25S + 3D) + snow drifting  
 Wind: 110 mph (Exposure C)  
 Seismic: Ss = 1.24  
 Max Soil Bearing Pressure = 1500 psf

**City of Puyallup  
Building  
REVIEWED  
FOR  
COMPLIANCE**

SKinnear  
10/16/2025  
3:36:10 PM



| City of Puyallup<br>Development & Permitting Services<br>ISSUED PERMIT |              |  |  |
|------------------------------------------------------------------------|--------------|--|--|
| Building                                                               | Planning     |  |  |
| Engineering                                                            | Public Works |  |  |
| Fire                                                                   | Traffic      |  |  |

Job No. 7324

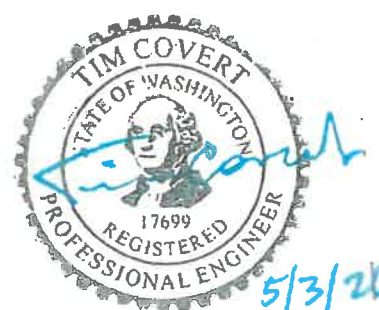
**TIM COVERT P.E. STRUCTURAL ENGINEER**

1750 SW Skyline Blvd #221  
 Portland, Oregon 97221

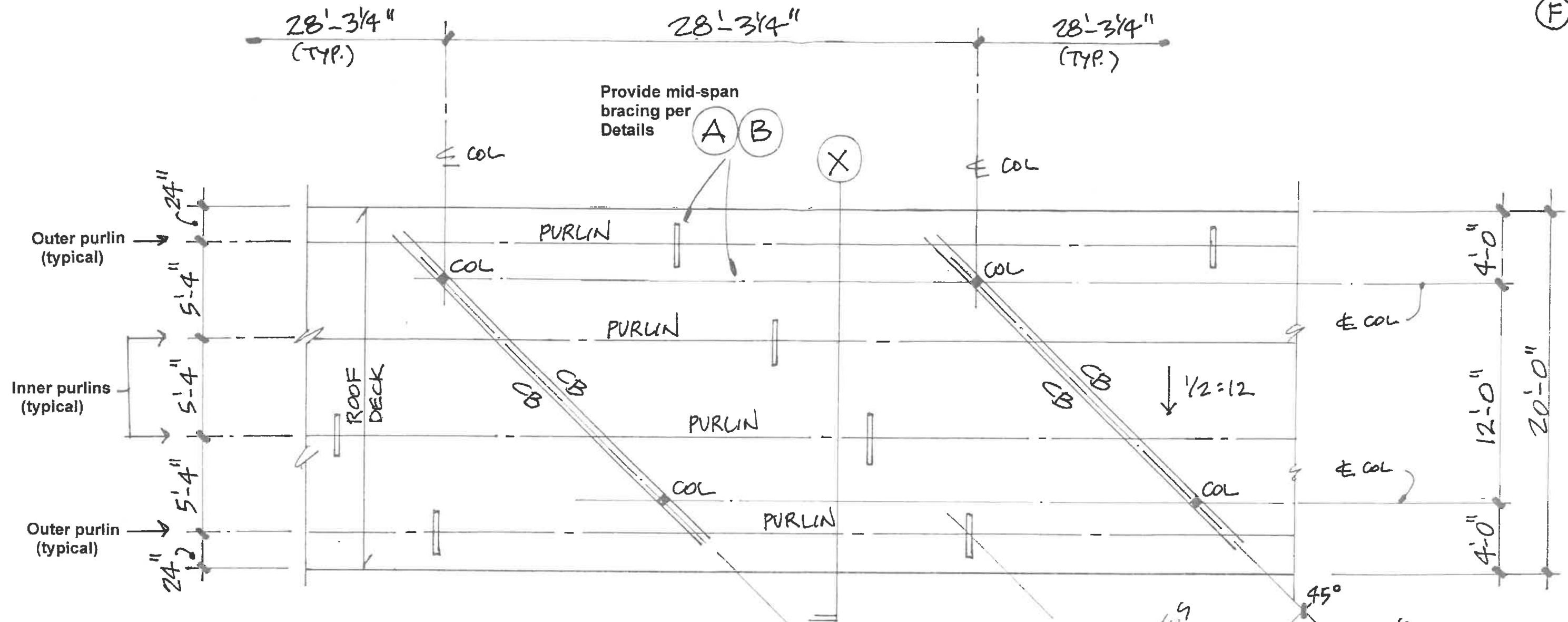
Phone: (503) 725-1444

| City of Puyallup<br>Development & Permitting Services<br>ISSUED PERMIT |              |  |  |
|------------------------------------------------------------------------|--------------|--|--|
| Building                                                               | Planning     |  |  |
| Engineering                                                            | Public Works |  |  |
| Fire                                                                   | Traffic      |  |  |

Tim Covert P.E.  
 Structural Engineer  
 1750 SW Skyline Blvd #221  
 Portland, Oregon 97221



**PRCP20251335 SA**



**ROOF FRAMING PLAN: Typical**  
3/16" = 1'-0"

**MEMBER SUMMARY: PUYALLUP PUBLIC SAFETY**

Roof Deck: 28 gage "SP-3F" (Fy = 80 ksi)

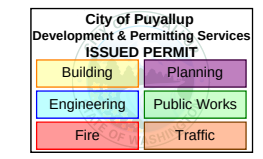
Purlins: "14C12" (14" x 3" x 12 gage) Fy = 55 ksi

CB ← Cross-Beams: "10C12" (10" x 3" x 12 gage) Fy = 55 ksi

COL: HSS 5 x 5 x 3/16" (ASTM A500 Grade C)

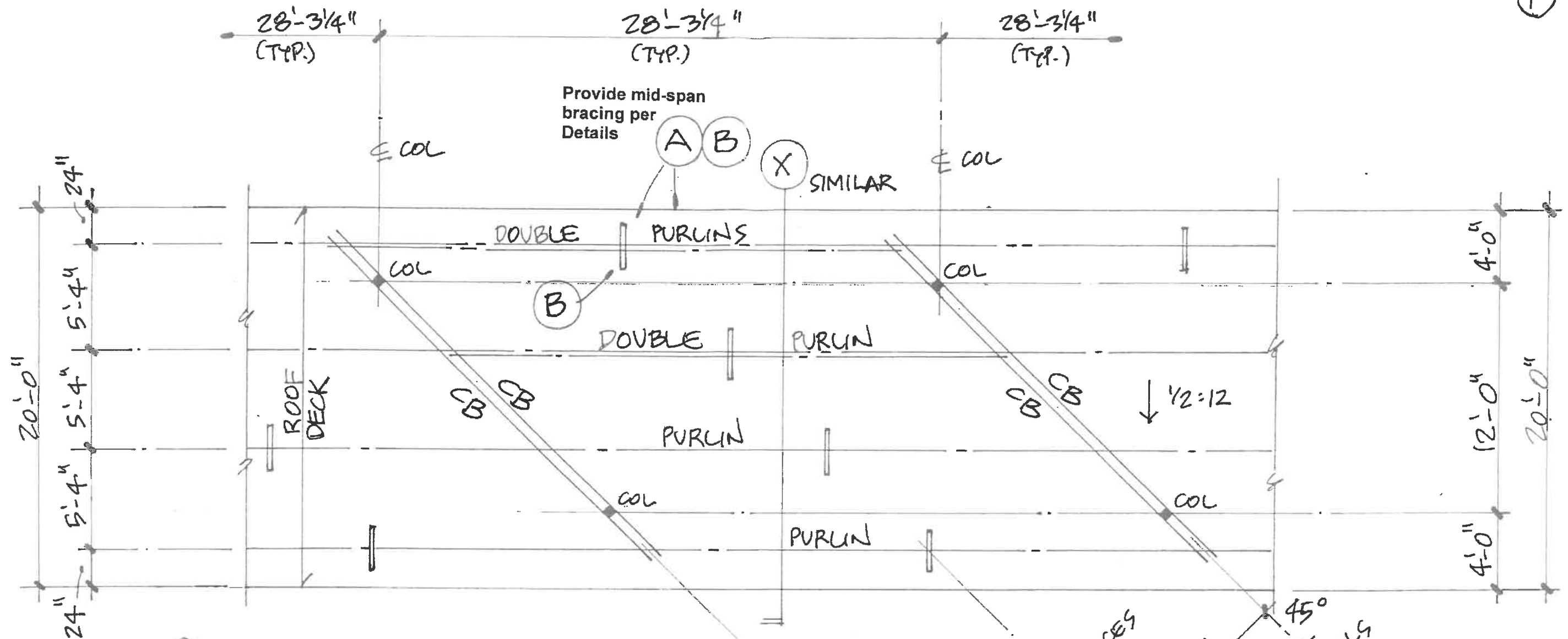
Footings: 36" diameter x 4'-6" deep (augered)  
Do NOT form. No Sonotubes.

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PRCP20251335

S1



## ROOF FRAMING PLAN: Snow Drift Zones

### MEMBER SUMMARY: PUYALLUP PUBLIC SAFETY

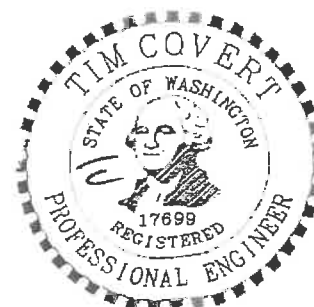
Roof Deck: 28 gage "SP-3F" (Fy = 80 ksi)

Purlins: "14C12" (14" x 3" x 12 gage) Fy = 55 ksi

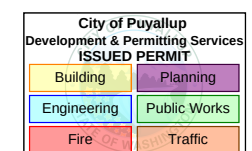
CB ← Cross-Beams: "10C12" (10" x 3" x 12 gage) Fy = 55 ksi

COL: HSS 5 x 5 x 3/16" (ASTM A500 Grade C)

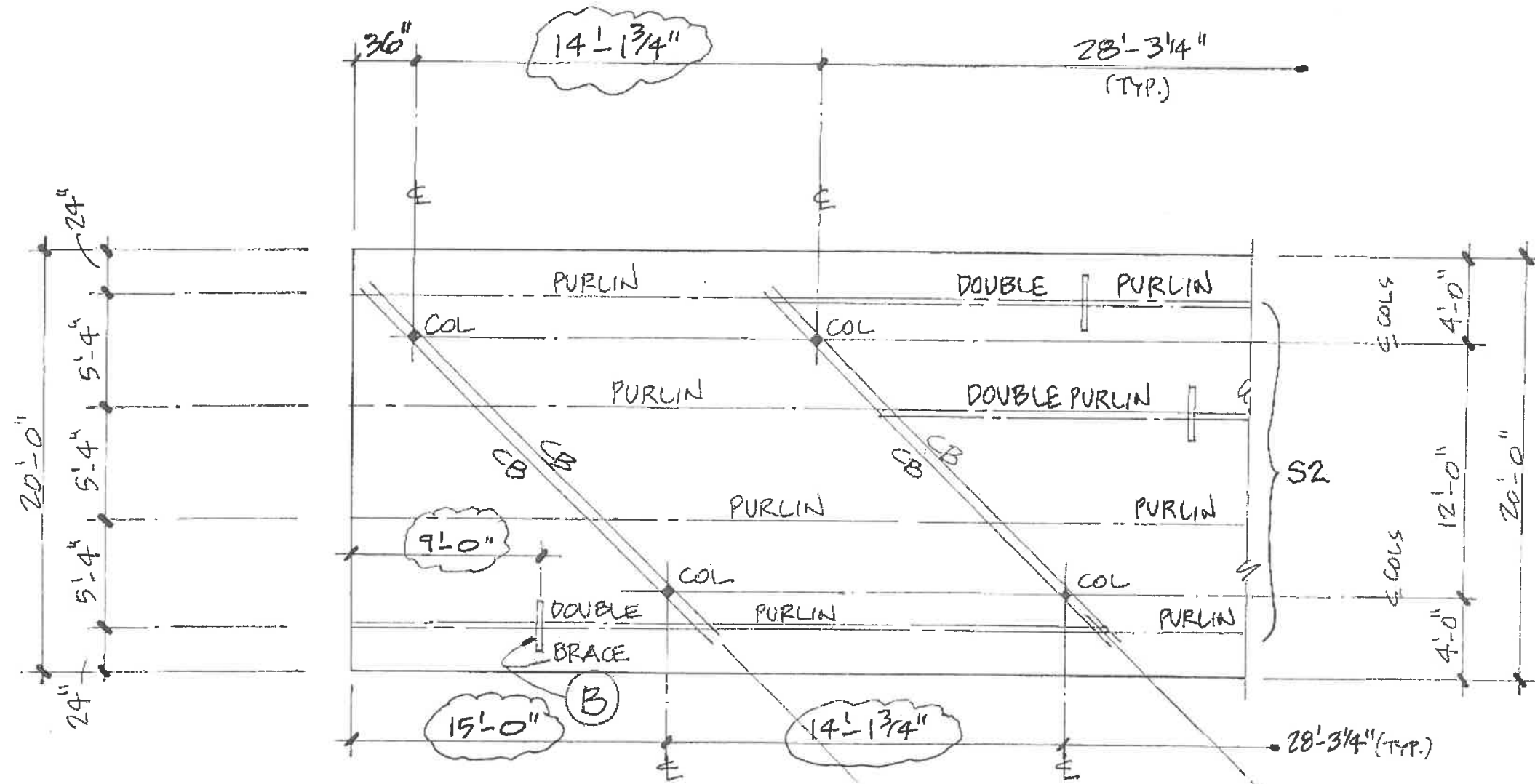
Footings: 36" diameter x 4'-6" deep (augered)  
Do NOT form. No Sonotubes.



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PRCP20251335 S2



(F)



## ROOF FRAMING PLAN: End Zones

MEMBER SUMMARY: PUYALLUP PUBLIC SAFETY

Roof Deck: 28 gage "SP-3F" ( $F_y = 80$  ksi)

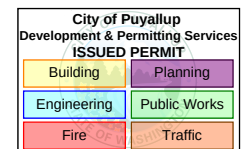
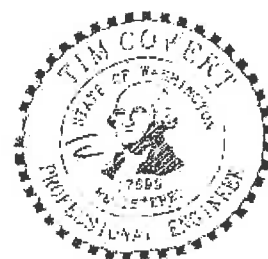
Purlins: "14C12" (14" x 3" x 12 gage)  $F_y = 55$  ksi

← CB Cross-Beams: "10C12" (10" x 3" x 12 gage)  $F_y = 55$  ksi

COL: HSS 5 x 5 x 3/16" (ASTM A500 Grade C)

Footings: 36" diameter x 4'-6" deep (augered)  
Do NOT form. No Sonotubes.

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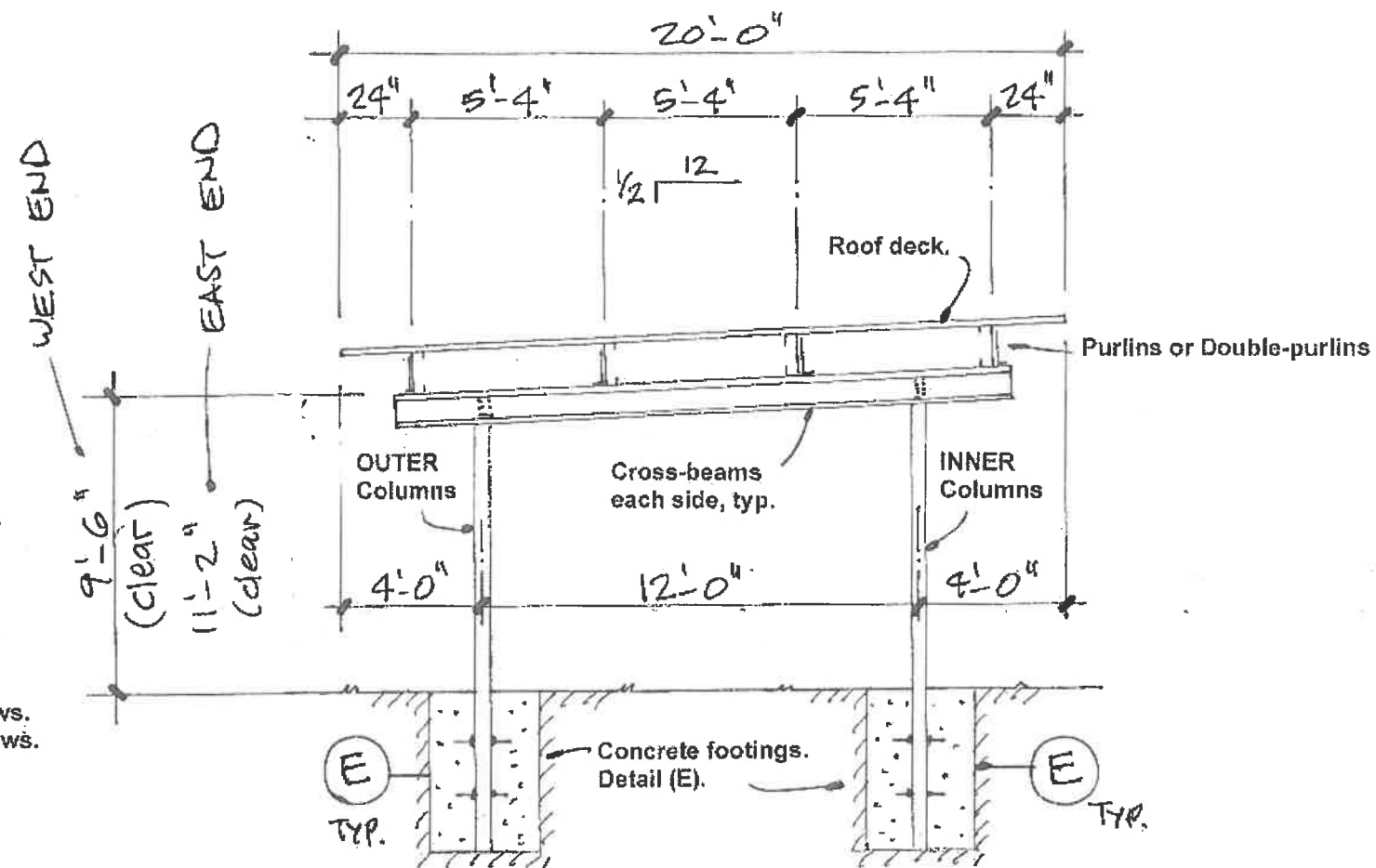


PRCP20251335 **S3**



**CONNECTIONS: Puyallup Public Safety Canopy**

1. Connect roof deck to each purlin w/ #12 screws at 18" o/c (INTERIOR purlins and double-purlins)  
  
Connect roof deck to each OUTER purlin w/ #12 screws at 9" o/c.
2. Connect each purlin to each cross-beam w/ (2) #12 screws.  
Connect each purlin to 12 ga. bearing clip w/ (2) #12 screws.  
Connect each bearing clip to each cross-beam w/ (2) #12 screws.  
See Details (C) and (D).
3. Connect each cross-beam to each INNER column w/ (9) #12 screws.  
Connect each cross-beam to each OUTER column w/ (7) #12 screws.  
See Cross Section (X)
4. Connect each column to each footing w/ (2) 3/4" dia x 15" steel all-thread dowels at 1/3 depths of footing.



**(X) Typical CROSS-SECTION:**  
1/4" = 1'-0"

**MEMBER SUMMARY: PUYALLUP PUBLIC SAFETY**

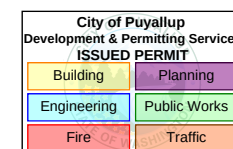
Roof Deck: 28 gage "SP-3F" (Fy = 80 ksi)

Purlins: "14C12" (14" x 3" x 12 gage) Fy = 55 ksi

Cross-Beams: "10C12" (10" x 3" x 12 gage) Fy = 55 ksi

COL: HSS 5 x 5 x 3/16" (ASTM A500 Grade C)

Footings: 36" diameter x 4'-6" deep (augered)  
Do NOT form. No Sonotubes.

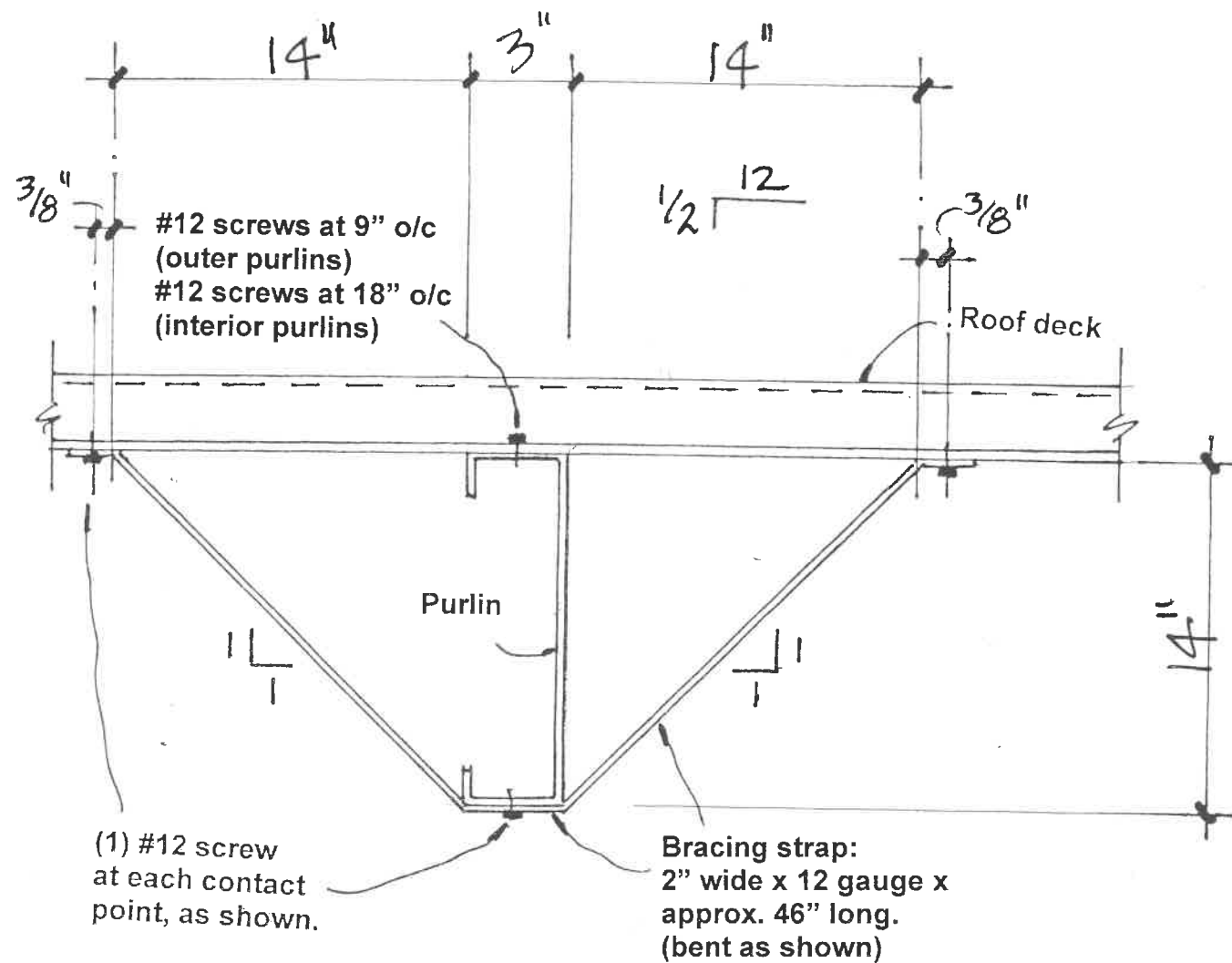


**PRCP20251335**

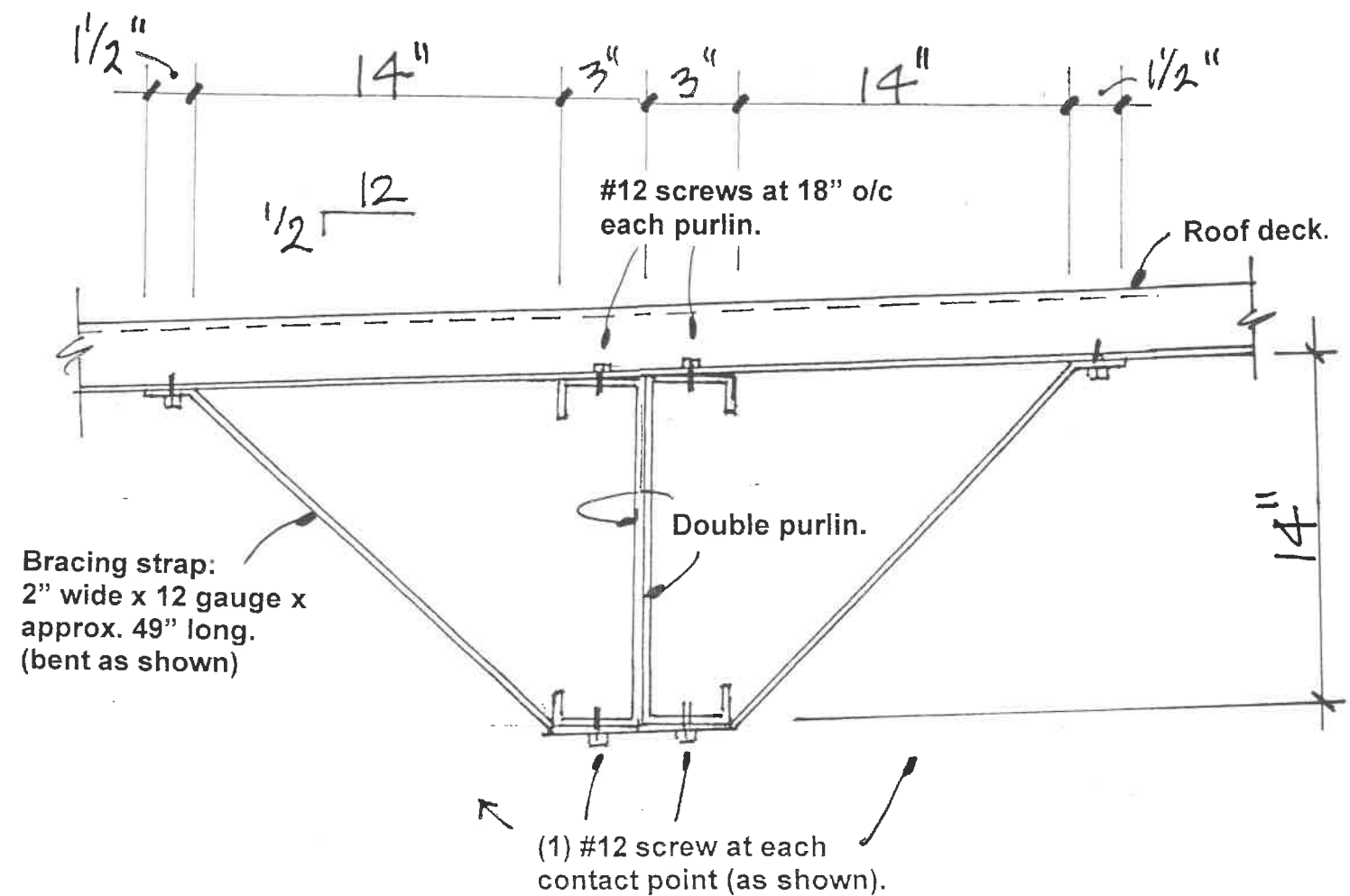
**S4**

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Portland, OR 97221



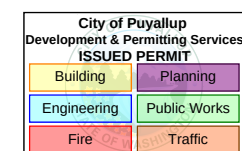
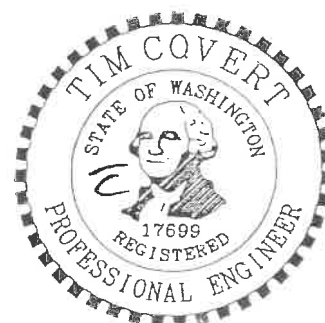


**A** PURLIN BRACING DETAIL:



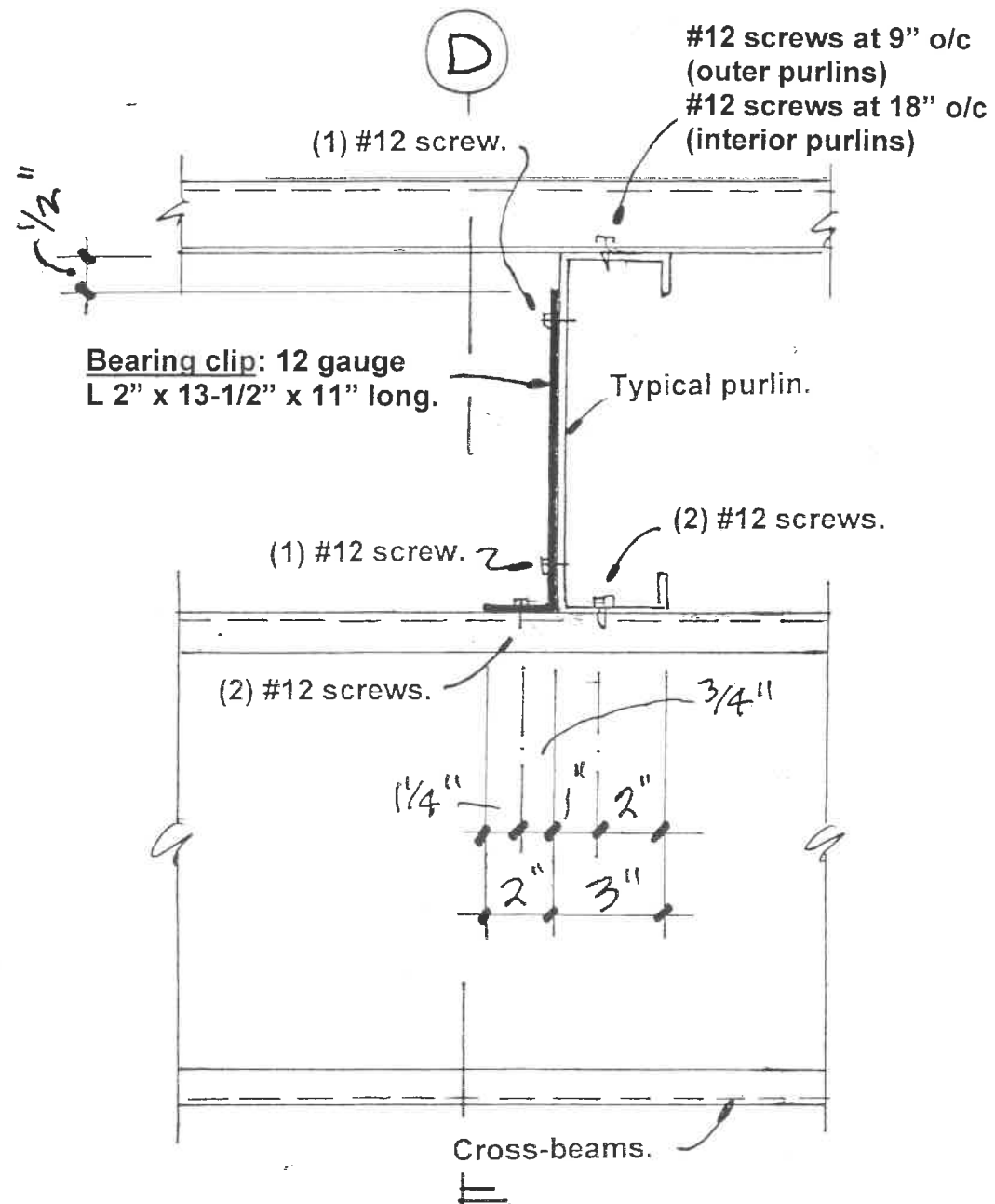
**B** DOUBLE PURLIN BRACING DETAIL:

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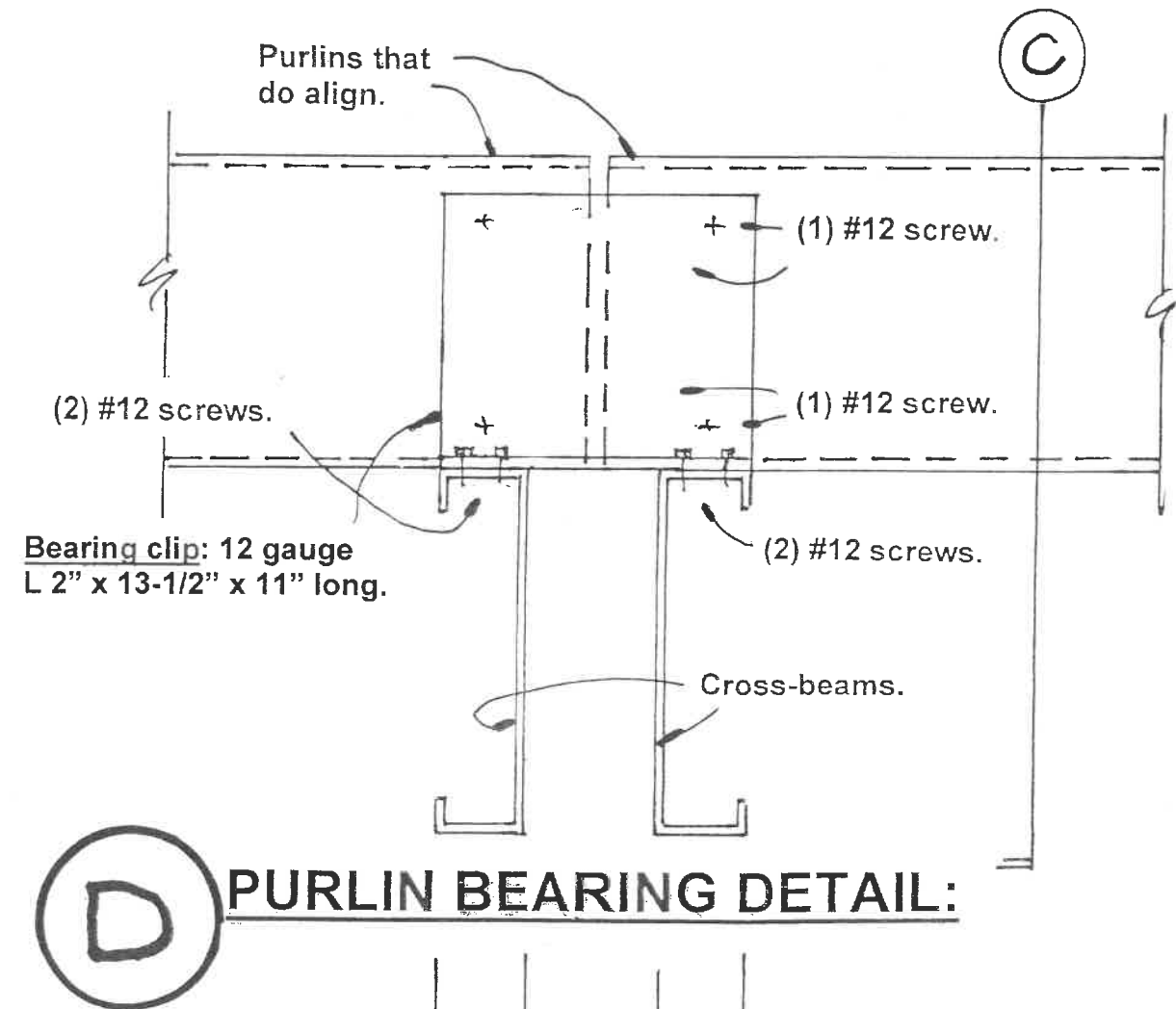


PRCP20251335

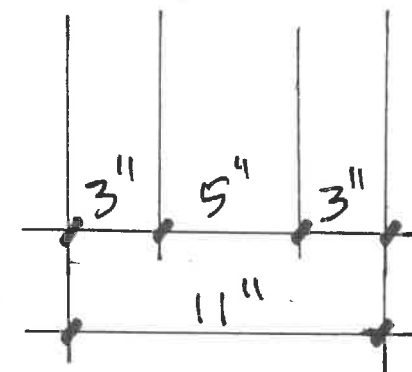
S5



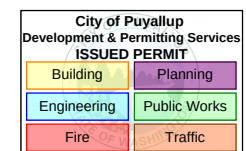
**C PURLIN BEARING DETAIL:**



**D PURLIN BEARING DETAIL:**



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Portland, Oregon 97221

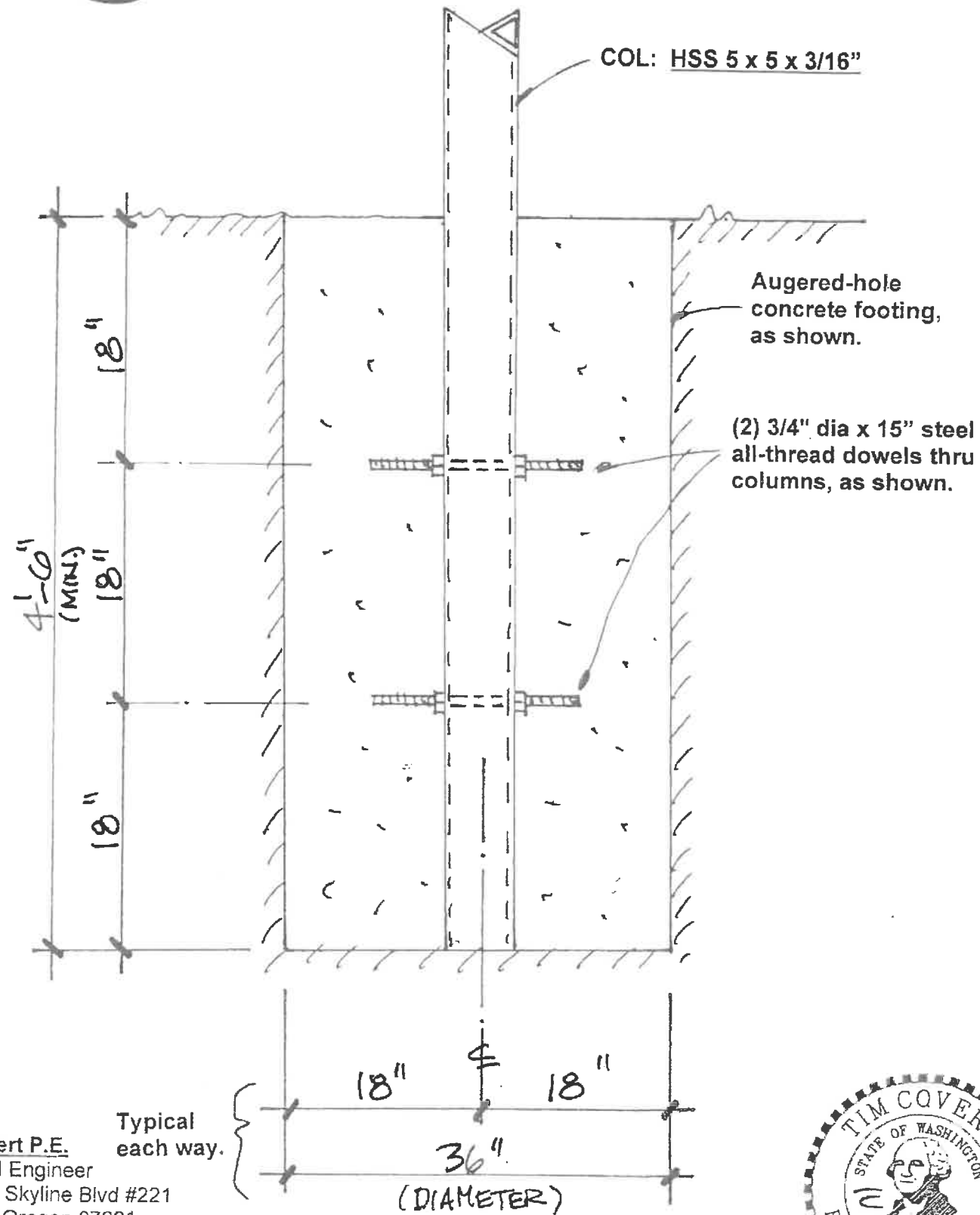


PRCP20251335

S6

(E)

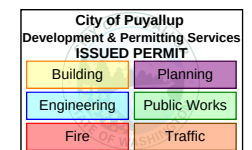
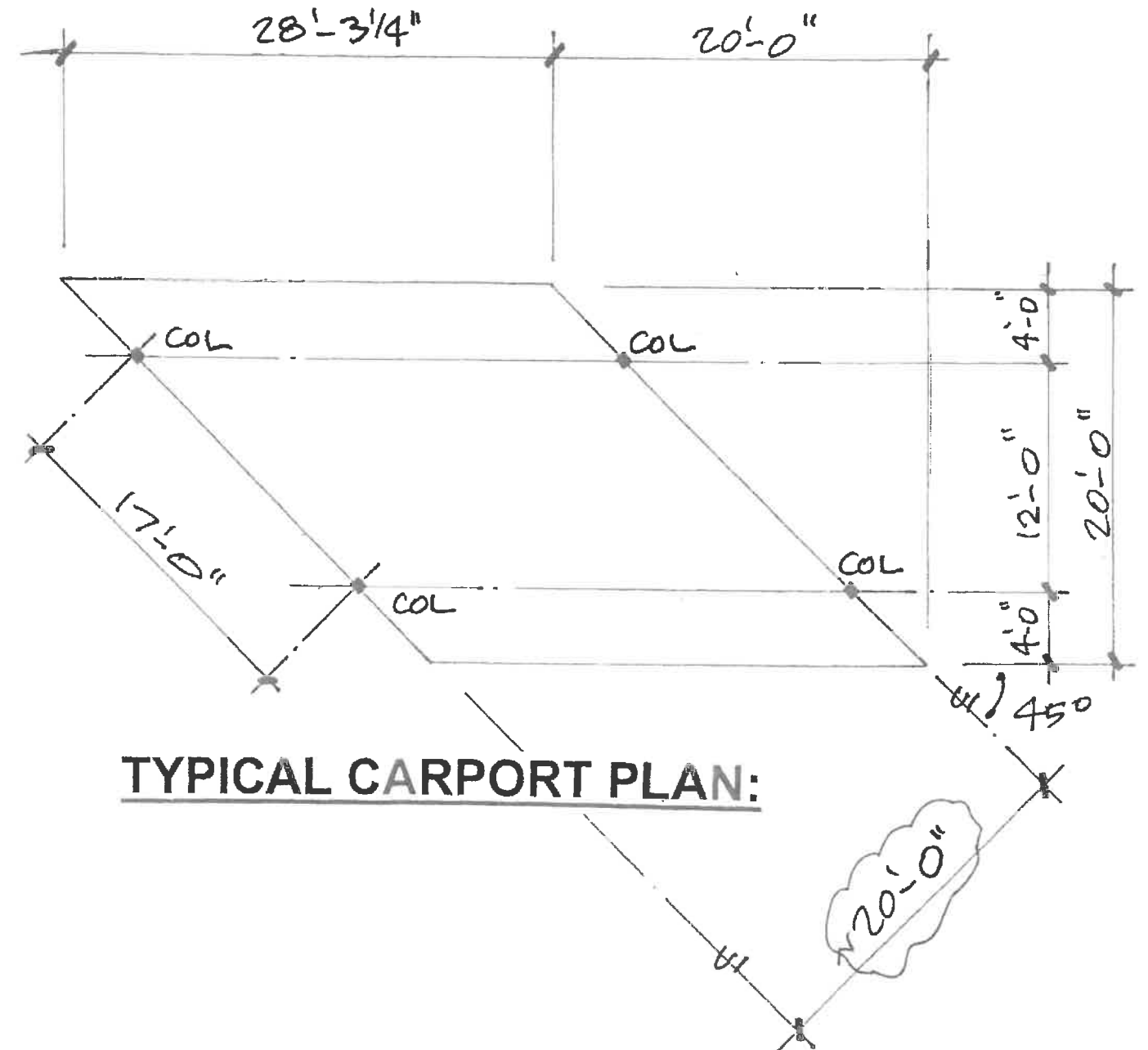
## TYPICAL FOOTING SECTION:



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Portland, Oregon 97221



(F)



PRCP20251335 S7