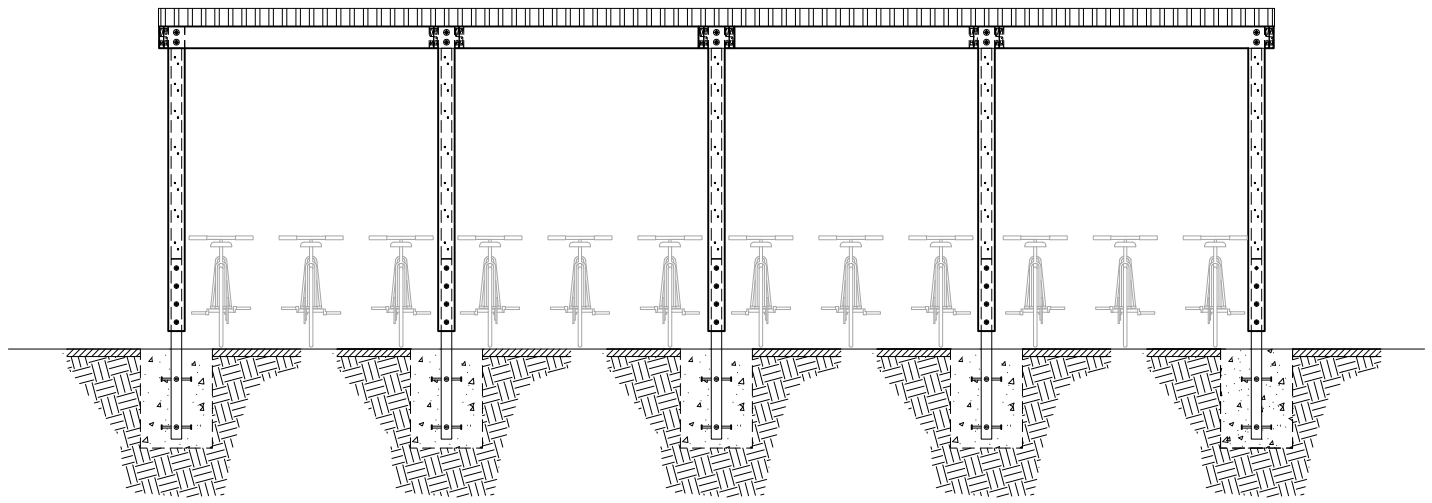

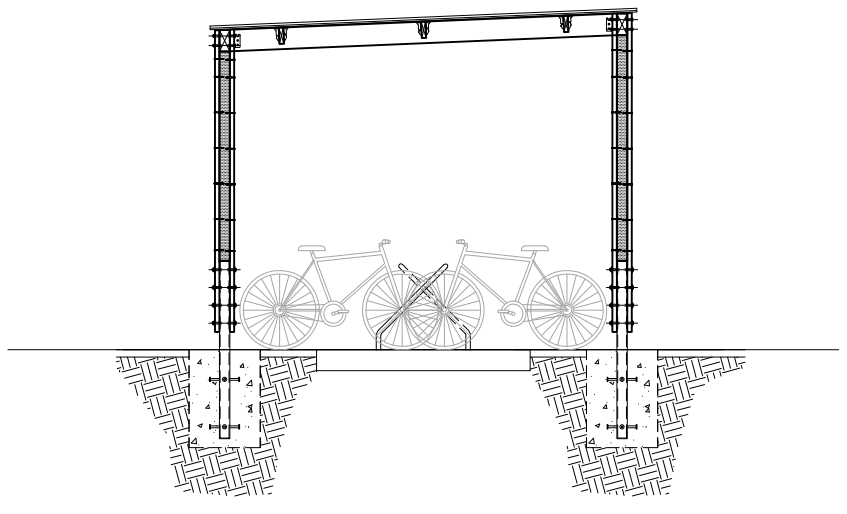

MARY WOODWARD ELEMENTARY BIKE SHELTER PROJECT

DESCRIPTION OF WORK

INSTALLATION OF (2) NEW 12'-0" WIDE x 32'-0 COVERED BICYCLE SHELTER ABOVE (2) EXISTING BIKE RACK AND CONCRETE PADS

PROJECT CONTACT:
MARY WOODWARD PSO
JENNIFER VASICEK
jen.vasicek@gmail.com

ENGINEER OF RECORD
CROW ENGINEERING
9925 SW NIMBUS AVE, STE 110
BEAVERTON, OR
JOSEPH F. KURTH, PE
(503) 860-0358

SHEET INDEX:

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69189PE
OREGON
SEPTEMBER 13, 2011
JOSEPH F. KURTH

EXPIRES: JUNE 30, 2019

MARY WOODWARD ELEMENTARY
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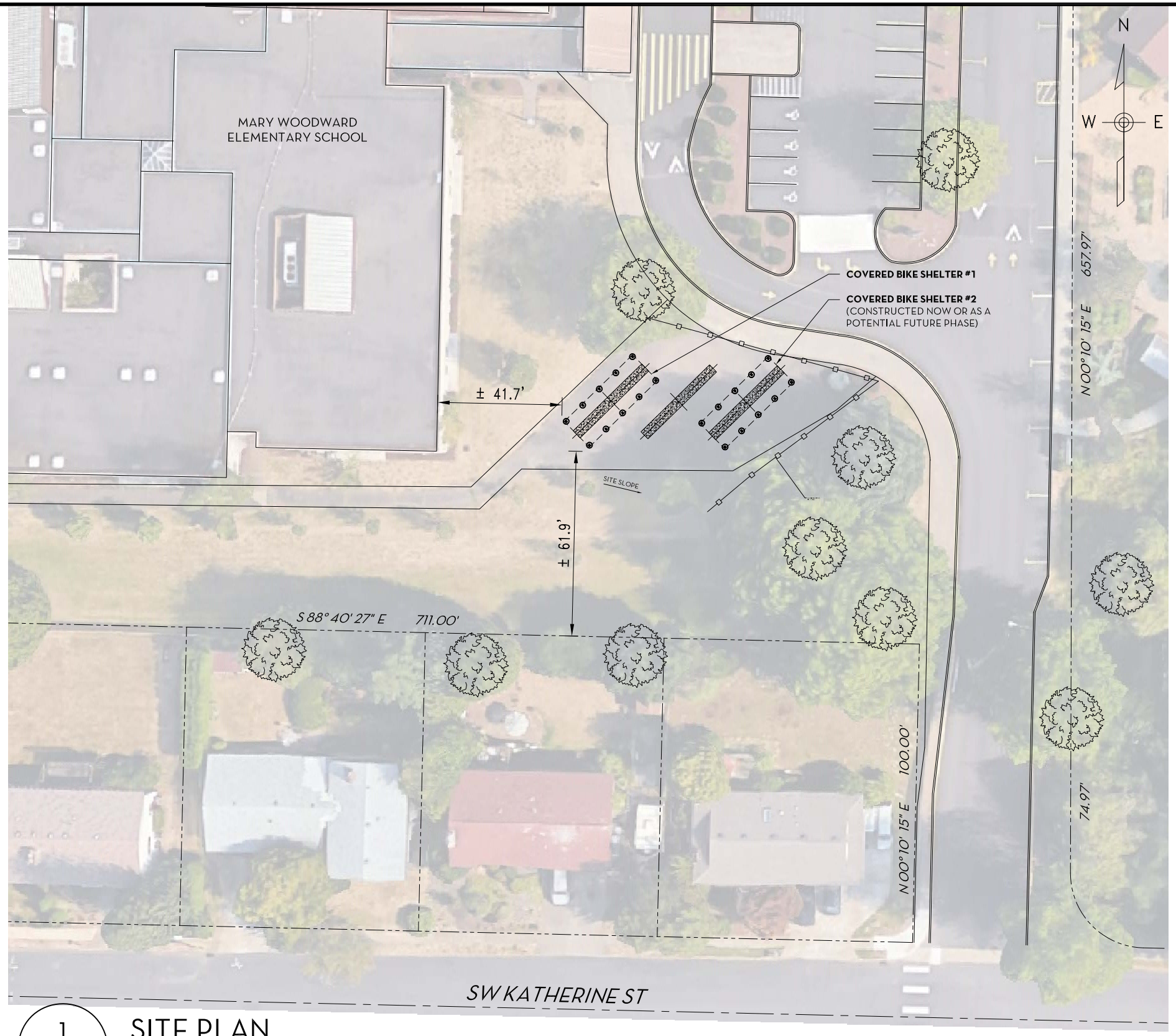
BIKE SHELTER
MARY WOODWARD ELEMENTARY
12325 SW KATHERINE ST, TIGARD, OR 97223

T1



1 / SO — SITE PLAN
1" = 40'-0"

SITE INFORMATION:

SITE ADDRESS:	12325 SW KATHERINE ST, TIGARD, OR 97223
PARCEL NO.	1S134CC-1700
LOT COVERAGE	10.0 ACRES
NEW BUILDINGS	NEW SHELTER STRUCTURES 384 SF EACH (768 SF TOTAL) (NO NEW IMPERVIOUS CREATED. SHELTERS ARE ABOVE EXISTING A/C SURFACE)

EROSION CONTROL

LEGEND

SILT FENCE

THE EROSION CONTROL FEATURES REPRESENT THE MINIMUM FEATURES NECESSARY. JURISDICTION MAY REQUIRE ADDITIONAL FEATURES.

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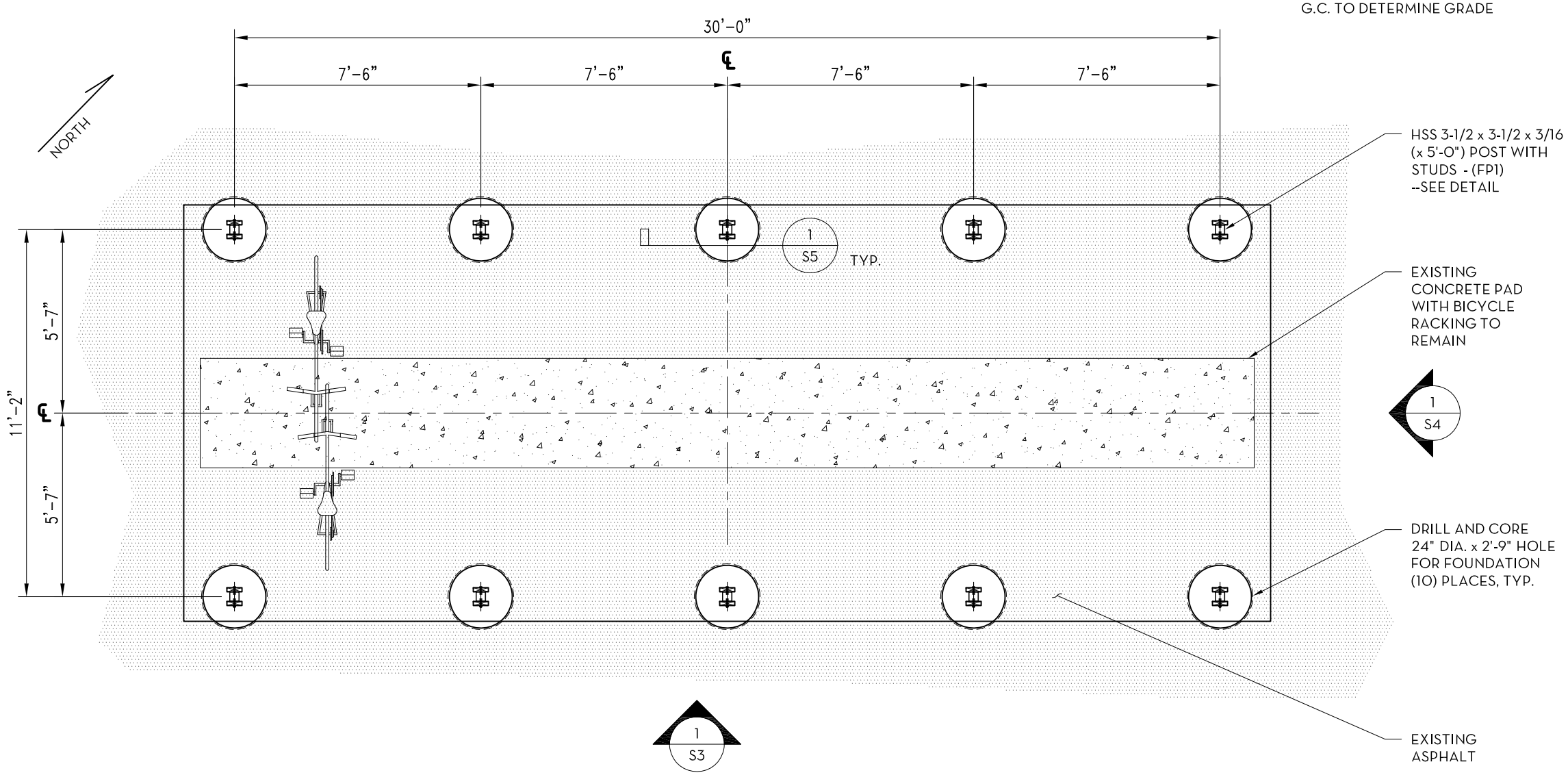
SP1

NOTE:
DIMENSION ALL NEW FOOTINGS FROM CENTERLINE
OF EXISTING BIKE PARKING CONCRETE PAD

NOTE:
GRADE OF EXISTING SITE SLOPES
TO EAST AND THE SOUTHEAST.
G.C. TO DETERMINE GRADE



1 / S1 FOUNDATION PLAN
1/4" = 1'-0"

STRUCTURAL GENERAL NOTES

GENERAL

1. ALL CONSTRUCTION TO BE PER 2014 OREGON STRUCTURAL SPECIALTY CODE.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON DRAWINGS AND IN-FIELD PRIOR TO COMMENCING CONSTRUCTION.
3. CONTRACTOR SHALL PROVIDE ALL NECESSARY TEMPORARY SUPPORT PRIOR TO COMPLETION OF VERTICAL AND LATERAL LOAD SYSTEMS IF REQUIRED.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED SAFETY PRECAUTIONS AND METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES REQUIRED TO PERFORM HIS WORK.
5. DESIGN CRITERIA:
   a. ROOF SNOW — 25 PSF (CODE MINIMUM)
   b. WIND — 110 MPH, EXP B (3 SEC. GUST)
   c. SEISMIC — S1 = 0.963, Ss = 0.422, Sds = 0.716, Sd1 = 0.444, R = 1.5, SITE CLASS = D

SITE WORK:

1. SOIL DESIGN PRESSURE
   1.1. BEARING PRESSURE = 1500 PSF (CODE MIN.)
   1.2. ALLOW. PASSIVE PRESSURE = 100 PCF
2. NOTIFY THE ENGINEER OF UNUSUAL SOIL CONDITIONS. ALL LOOSE MATERIAL, ORGANIC AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED FROM EXCAVATIONS.

STRUCTURAL STEEL

1. ALL STRUCTURAL STEEL TO BE ASTM A500 GRADE B. Fy = 46 ksi
2. ALL WORK TO BE DONE BY CERTIFIED SHOP. IF DONE IN CERTIFIED SHOP, NO SPECIAL INSPECTION IS REQUIRED FOR THIS PROJECT.

CONCRETE / FOUNDATION

1. MIN. STRENGTH OF CONCRETE = 2,500 PSI (NO SPECIAL INSPECTION REQUIRED)

WOOD FRAMING

1. LUMBER GRADE SHALL BE AS FOLLOWS:
   1.1. JOISTS/BEAMS — PRESSURE TREATED DF #2
   1.2. POSTS — PRESSURE TREATED DF#2

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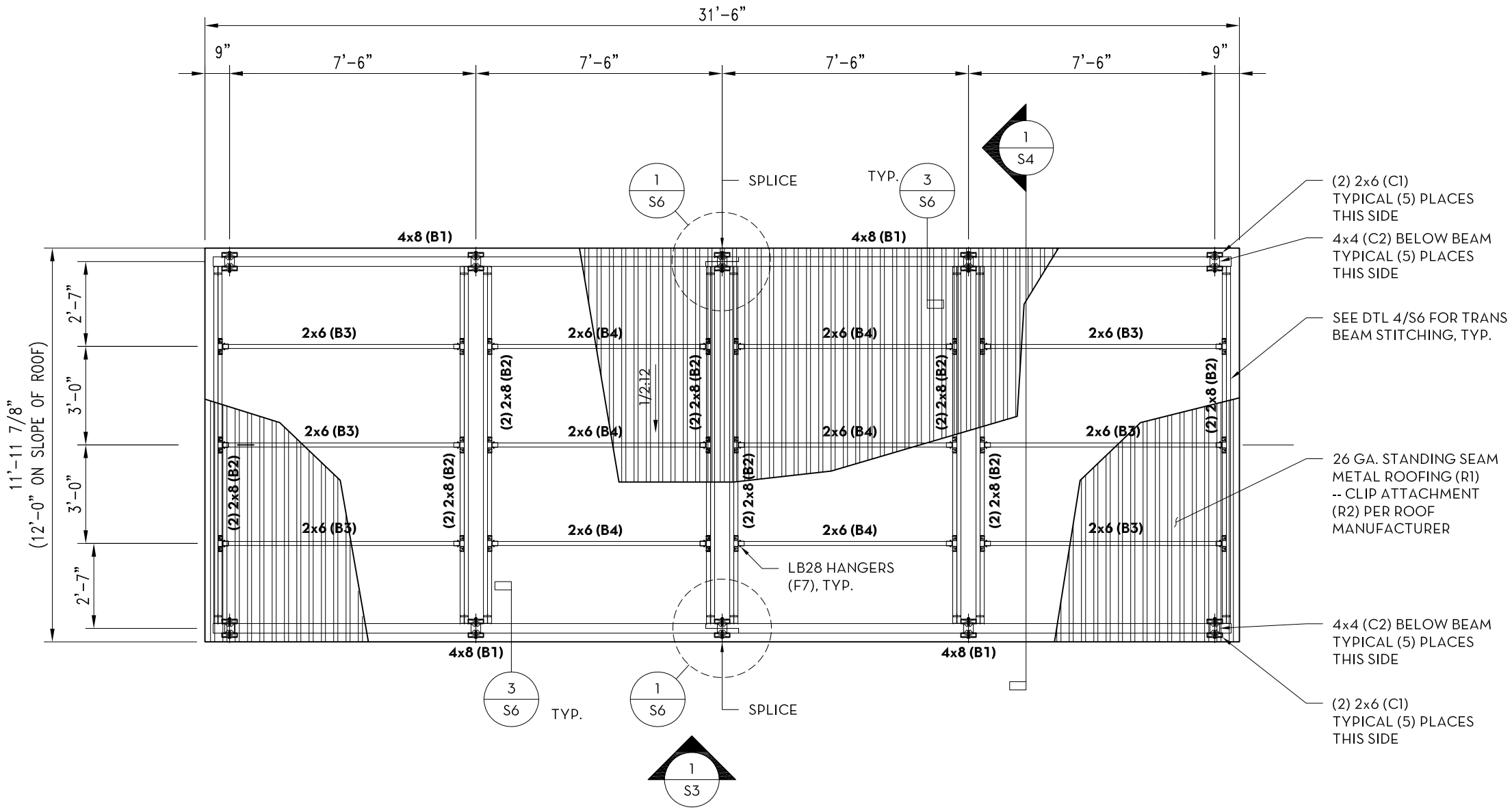
S1



BILL OF MATERIALS (PER EA. SHELTER)

ITEM #	QUANT.	DESCRIPTION	DRAWING REF.
B1	4	P.T. 4x8 x 16'-0" (CUT ENDS)	1/S6
B2	16	P.T. 2x8 x 11'-0" (CUT ENDS)	
B3	6	P.T. 2x6 x 7'-3"	
B4	6	P.T. 2x6 x 6'-6 1/2"	
C1	20	P.T. 2x6 X 10'-0" (CUT TOP IN FIELD)	
C2	10	P.T. 4x4 x 8-0" (CUT TOP IN FIELD)	
FP1	10	HSS 3-1/2 x3-1/2 x 3/16 x 5'-0" (GALVANIZED)	1/S5
F1	40	3/4 DIA. x 7-1/2 LONG GALVANIZED A307 HEX BOLT	2/S5
F2	40	3/4" GALV. NUT	2/S5
F3	80	2" DIA. GALV. CUT WASHER	1/S5
F4	20	5/8 DIA. x 7-1/2 LONG GALVANIZED A307 HEX BOLT	
F5	24	5/8" GALV. NUT	
F6	48	2" DIA. GALV. CUT WASHER	
F7	24	SIMPSON LB26 GALV. (ZMAX) HANGERS	
F8	16	SIMPSON CJT3 CONCEALED JOIST TIES W/ (2-3/4" JOINT PINS)	4/S6
F9	AS REQ'D, MIN. 376	SIMPSON SDS25212, TYP 316 S.S.	4/S6, 1/S5, 1/S3, 1/S4
F10	80	4" LONG FULL THREAD SCREWS	1/S5
R1	378 SF	26 GA STANDING SEAM ROOFING	
R2	AS REQ'D	STANDING SEAM ROOF ATTACHMENTS PER ROOFING MANUFACTURER	

1/S2 ROOF FRAMING PLAN

1/4" = 1'-0"

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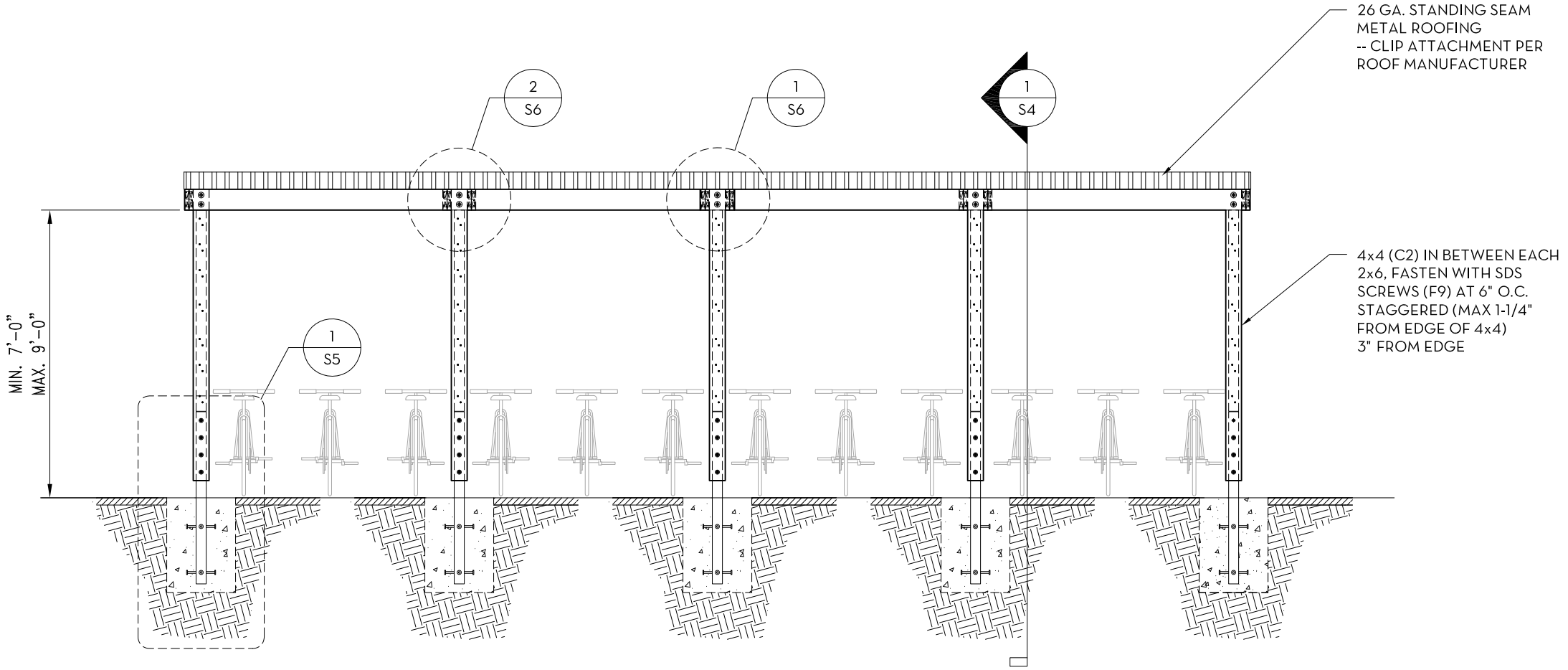
S2



1 / S3 ELEVATION - LONGNITUDINAL

1/4" = 1'-O"

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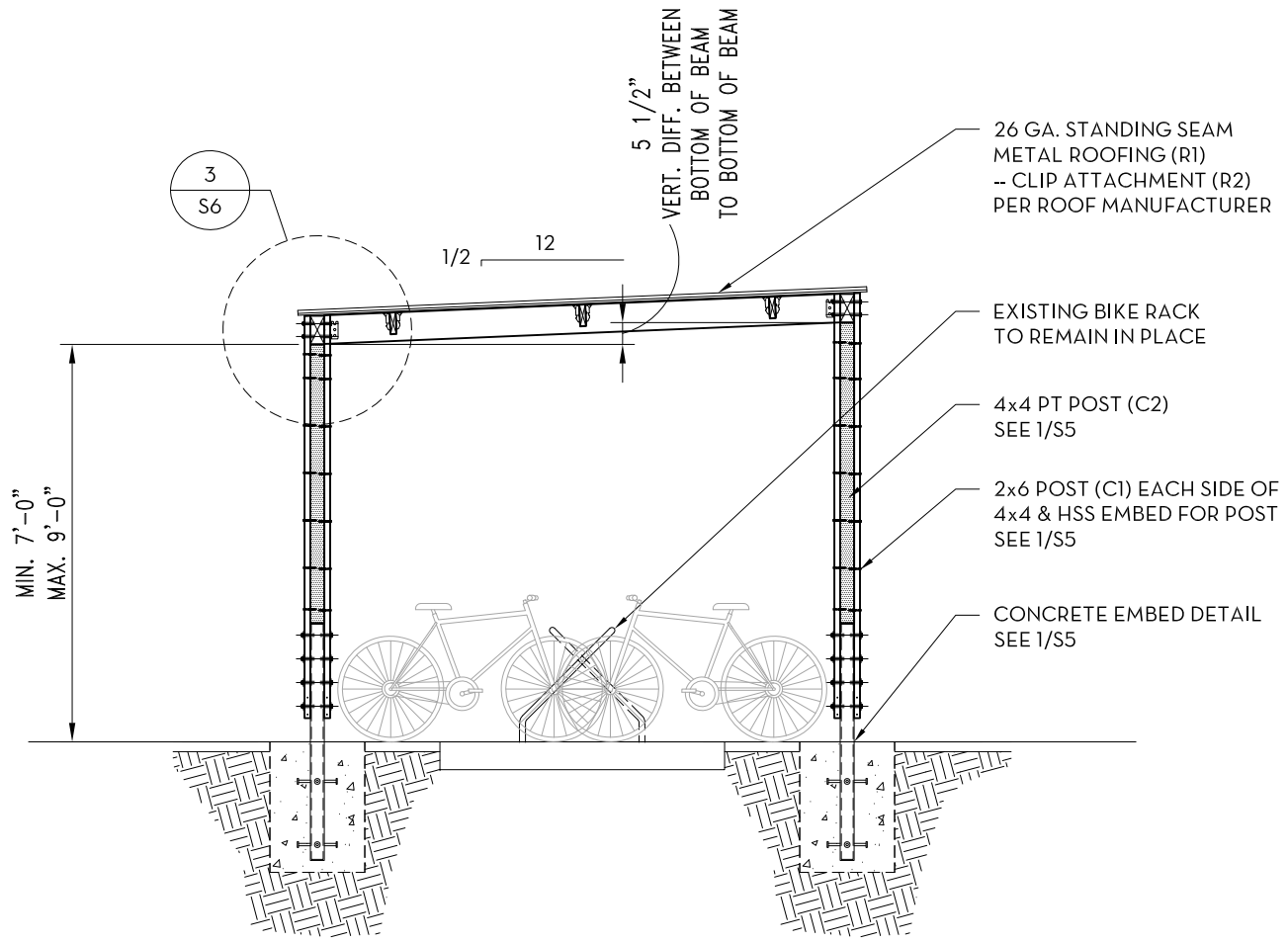
S3



1/S4 ELEVATION - TRANSVERSE

1/4" = 1'-O"

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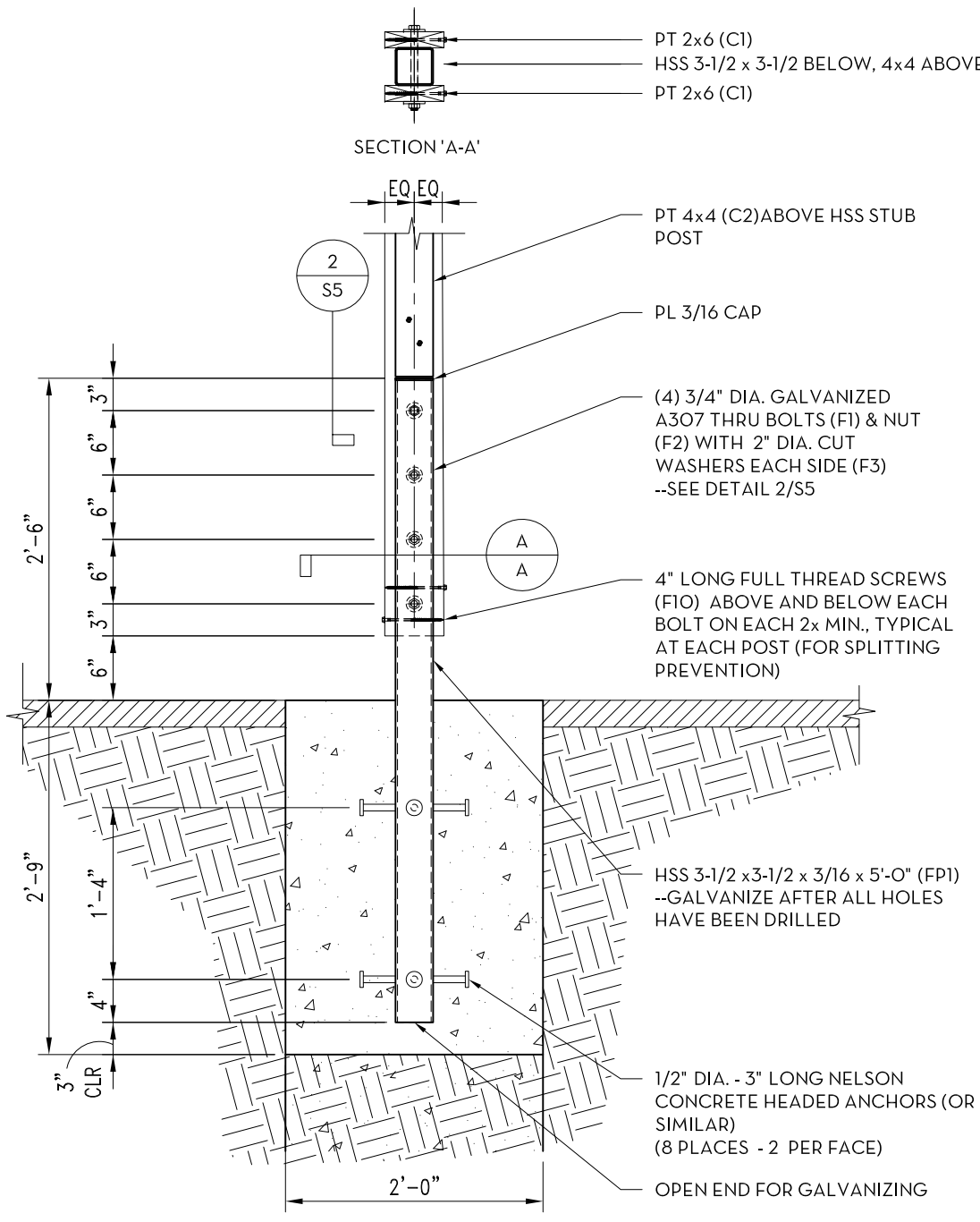
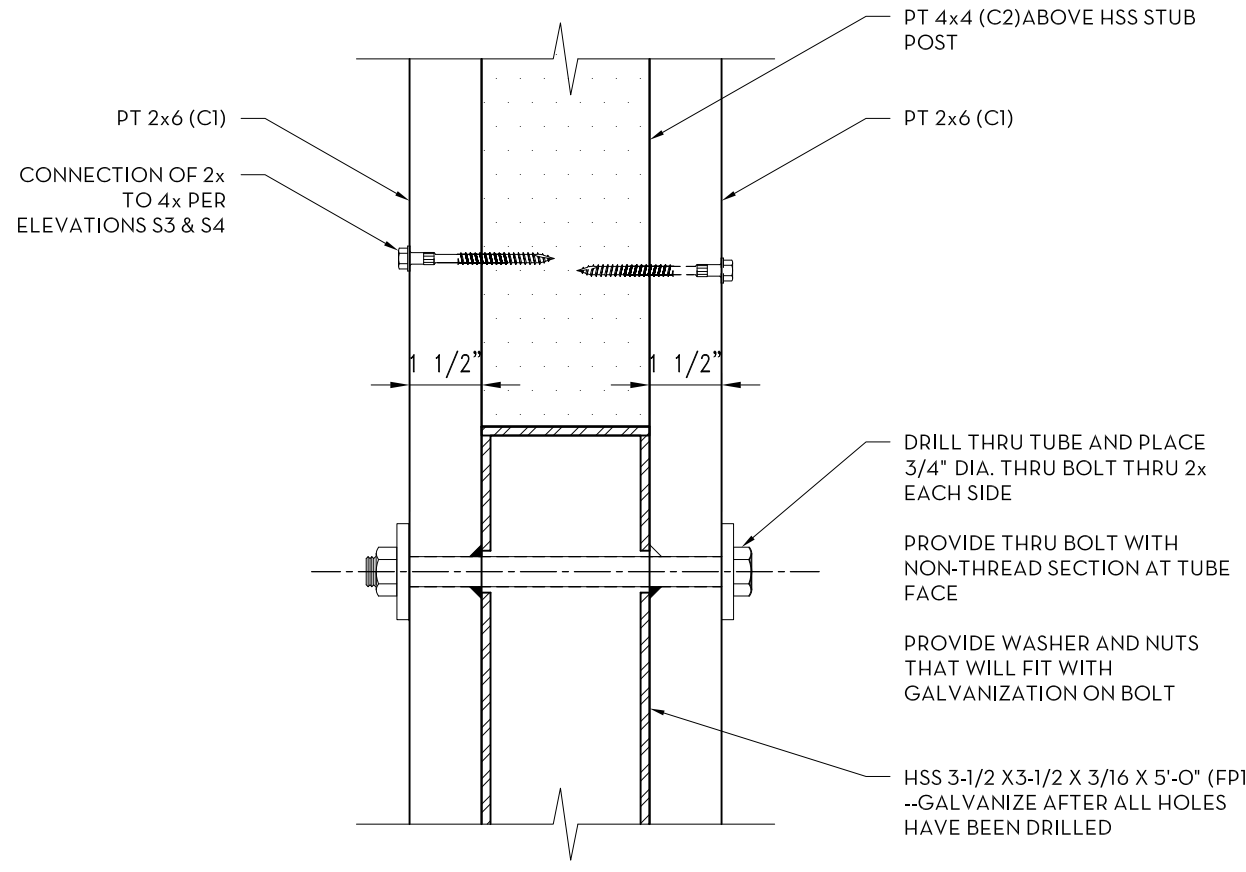
S4



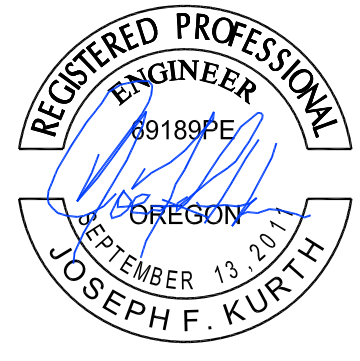
1/S5 POST/FOUNDATION DETAIL

3/4" = 1'-0"



2/S5 BOLT THRU HSS CONNECTION

3" = 1'-0"



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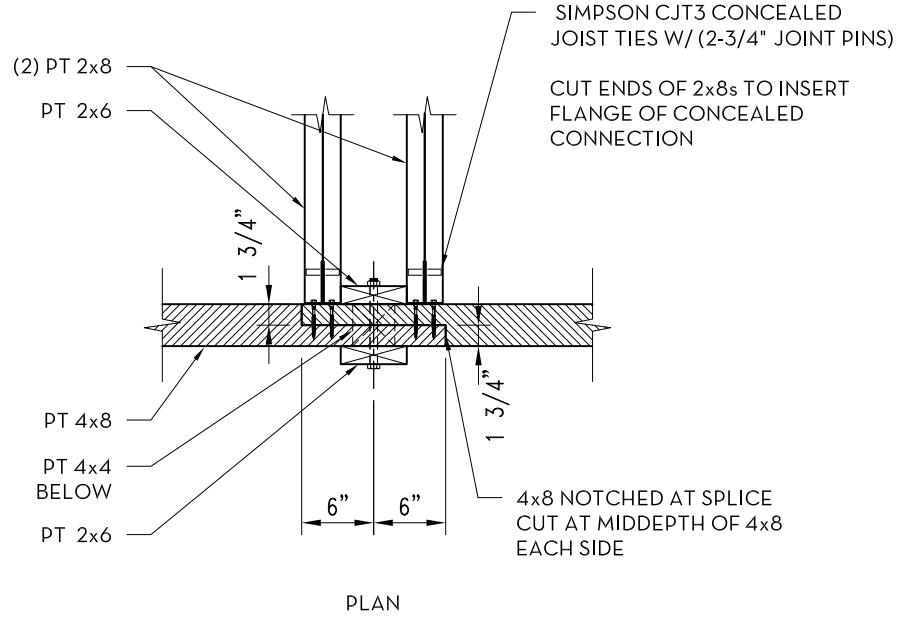
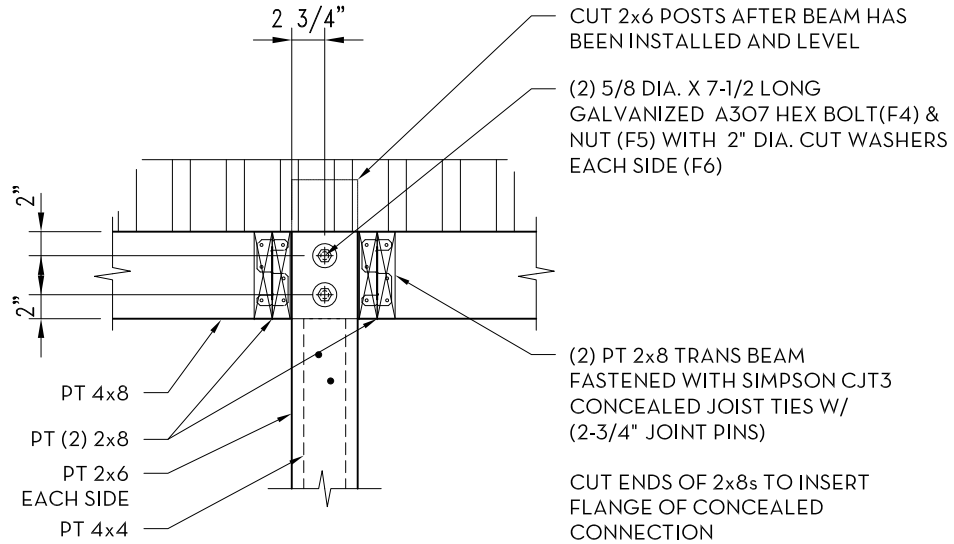
S5

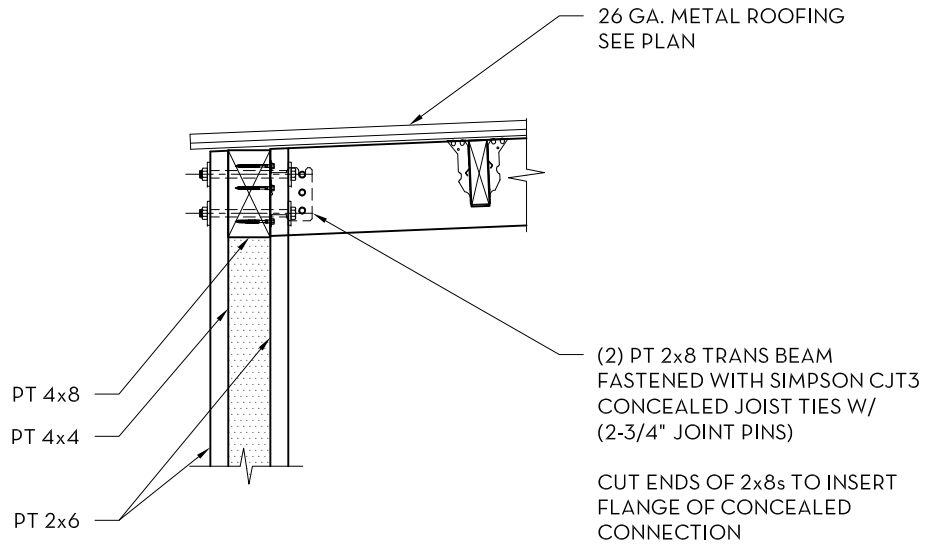


PLAN



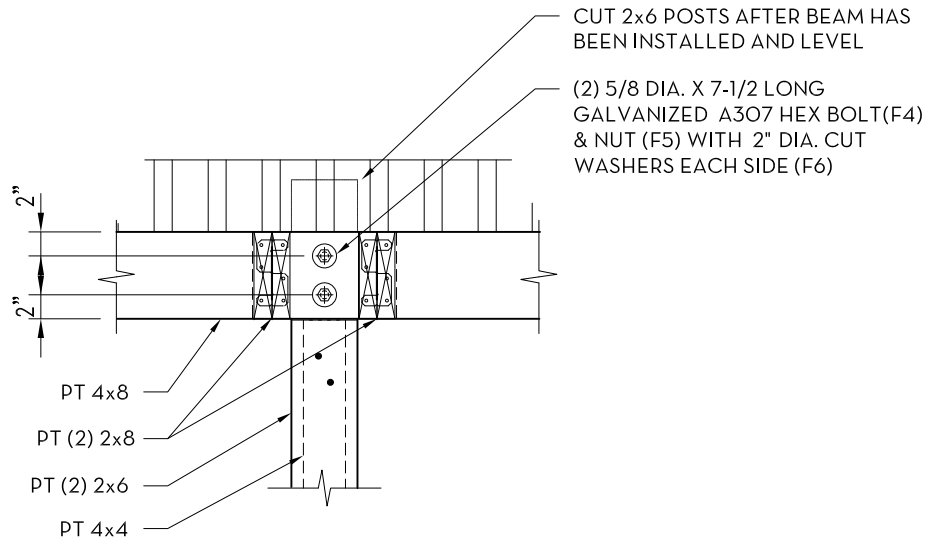
2 / S6 COLUMN TO LONG. BEAM

3/4" = 1'-0"



3 / S6 TRANS. BEAM TO LONG. BEAM

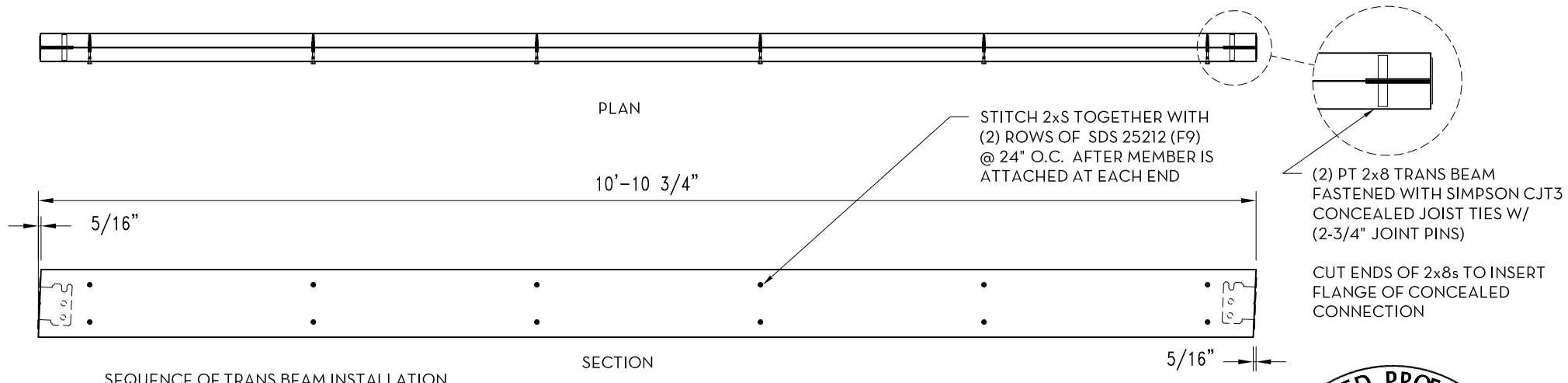
3/4" = 1'-0"



SECTION

1 / S6 COLUMN TO LONG. BEAM @ SPLICE

3/4" = 1'-0"

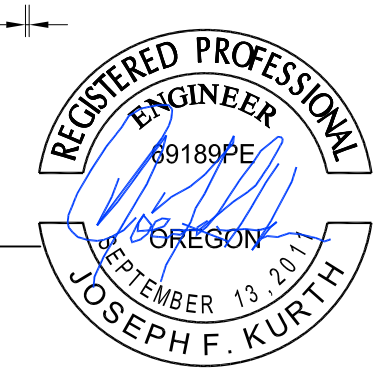


SEQUENCE OF TRANS BEAM INSTALLATION

1. INSTALL CTJ3 CLIP ON 4x8 MAIN BEAMS
2. LIFT (1) 2x8 TRANS BEAM AND MARK LOCATION OF REQUIRED DOWEL FROM CT3s ON TRANS BEAM @ EA. END
3. MARK LOCATION OF CTJ FLANGE AND NOTCH FOR CT3 FOR PLACEMENT BETWEEN CT3 CLIP.
4. DRILL MARKED LOCATION ON ONE SIDE AND MATCH HOLE FOR SISTERED 2x8 (DIA. PER MFG.)
5. PLACE NEW 2x8s EACH SIDE OF CT3 CLIP AND INSTALL DOWELS
6. STITCH 2x'S TOGETHER

4 / S6 TRANS. BEAM (B2) CONSTRUCTION

3/4" = 1'-0"



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S6