- 1. SIP System Basis of Design:
 - a. IRC/IBC 2012 as applicable
 - b. ASCE 7-10
- 2. SIP System Design Loads:
 - a. Wind Ultimate Design Speed: 120 MPH
 - b. Wind Exposure Category: B
 - c. Wind Importance Category: II
 - d. Roof Ground Snow Load: 20 PSF
 - e. Roof Live Load: 20 PSF
 - f. Roof Dead Load: 20 PSF
- 3. SIP system engineered shop drawings are based on drawings and dimensions provided by others. These drawings are FOR DESIGN REVIEW AND PERMITTING ONLY and NOT FOR CONSTRUCTION until all dimensions have been verified by the contractor and sub—contractors involved.
- 4. The SIP system provided by this firm will be produced under a panel production quality control program for panels having design load capacities based on a currently applicable, nationally recognized, ISO—compliant, third party manufacturing and design value certification program which is in effect during the design and production of the panel system. (NTA or ICCES/PFS for example)
- 5. Panel Screws: Panel screws shall be TRUFAST™ SIPTP or SIPLD Pancake Head with T-30 internal drive or equal with length sufficient to provide a minimum of 1 ½" penetration in receiving timber or panel and spaced as indicated on the drawings into all adjacent timbers and intersecting panels. Unless otherwise noted, provide panel screws into all adjacent timbers at 12" on center.
- 6. Spline Connections: Secure splines with 8d common nails or 1 ½" long 16 gage wide—crown (7/16") staples spaced as indicated on the drawings and oriented parallel to the edges of the panels. Unless otherwise indicated, space nails or staples at 6" on center along each side of the joint.
- 7. Any required spacers between the SIP panels and timber shall be OSB or structural plywood only. Do not use gypsum drywall for spacers! Secure wood spacers to timber with fasteners capable of transferring the full value of the shear along the joint line.
- 8. Unless otherwise noted, where the top edges of the wall panels contain a spline (within the confines of the panel) and a cap plate (required for either vertical load or panel shear), the cap plate joints shall be staggered with the panel edges by 24" and secured to the inner spline with .131 x 3" full—headed gun nails or 10d box or common nails at 4" on center, staggered, unless otherwise noted.
- 9. Laminate triple (3-ply) 1.9E LVL (laminated veneer lumber, Trus-Joist or equal) as follows: Two (2) rows of Simpson ¼" x 3½"" SDS type screws at 12" on center, 2" off edge, starting at each end AND on both sides of built up beam. Off set screws on one side to those on the other by 12". A total of four (4) rows of screws are required.
- 10. Connect triple (3-ply) 1.9E LVL beams to SIP wall panel pocket framing with two (2) SIP panel screws on each side of 7.25" and 9.25" beams and three (3) screws from each side for 11.25" beams and larger.

GENERAL SIP NOTES:

- 1. ALL WALL PANELS ARE 6½" AND ROOF PANELS ARE 12 ¼" SIPS W/¾6" RATED OSB SKINS AND EPS FOAM CORE, FABRICATED IN ACCORDANCE WITH SPECIFICATIONS SECTION R613 OF THE IRC2012, AND TO THE NTA LISTING REPORT ACP042312-4 (REVISED 04/09/2014).
- 2. ALL SIPS ARE FABRICATED WITH TYPE I (1 PCF) EPS FOAM
- 3. ACME PANEL IS NOT RESPONSIBLE FOR ANY TIMBER, STICK-BUILD OR FOUNDATION WORK.
- 4. SIP DESIGN IS IN ACCORDANCE WITH NTA IM 14TIP 01: "ENGINEERED DESIGN OF SIP PANELS USING NTA LISTING REPORT DATA", WHICH IS BASED ON THE APA SUPPLEMENT FOUR SPECIFICATION, "DESIGN AND FABRICATION OF PLYWOOD SANDWICH PANELS".
- 6. ACME PANELS ARE TO BE INSTALLED IN ACCORDANCE WITH THE DETAILS SHOWN ON THESE DRAWINGS.

ABBREVIATIONS:

9) — АТ

B.O. — BY OTHERS B.S. — BOTH SIDES

CONT. - CONTINUOUS

EA. – EACH

F.S. - FASTENER SCHEDULE

MIN. – MINIMUM

S.F. - STICK FRAMED

TYP. - TYPICAL

Gruben - The Woods Project Kilmarnock, VA 22482

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PROJECT LOCATION: Cobbs Hall Lane Kilmarnock, VA 22482

DATE: 15 SEPT 2016

 Submission
 Date

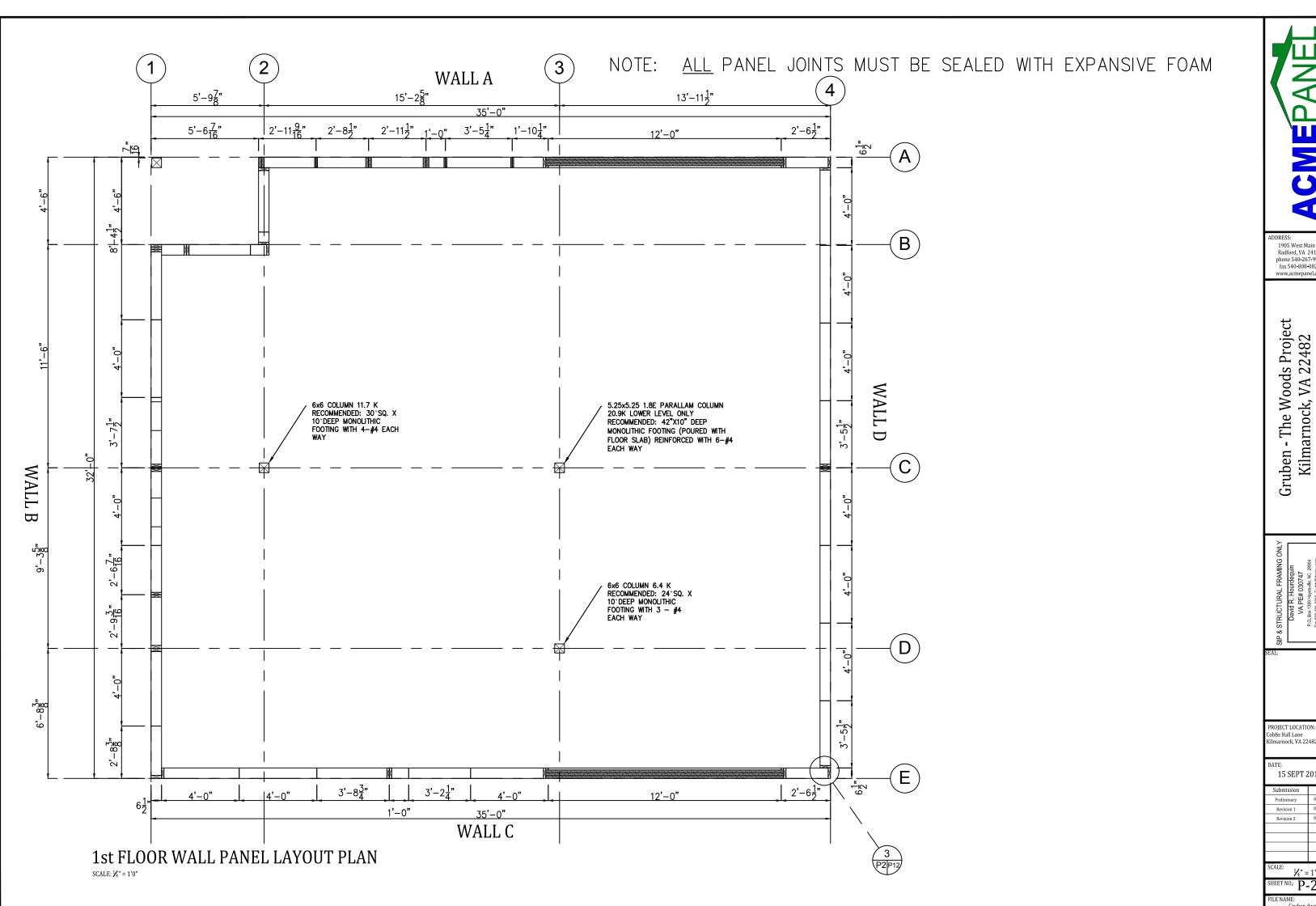
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 09-12-16

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 09-15-16

SHEET NO.: P-1 of

E NAME:



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Post C3 only.

CCQ66SDS2.5 Column Cap"

ECCQ66SDS2.5 Column Cap"

Beam to Beam Conn.

Beam to Beam Conn.

Column Cap

floor system)

412 Face Mounted Hanger"

Post C2 only (over CL of Beam GL-C)

full support for I-Joist double top flange

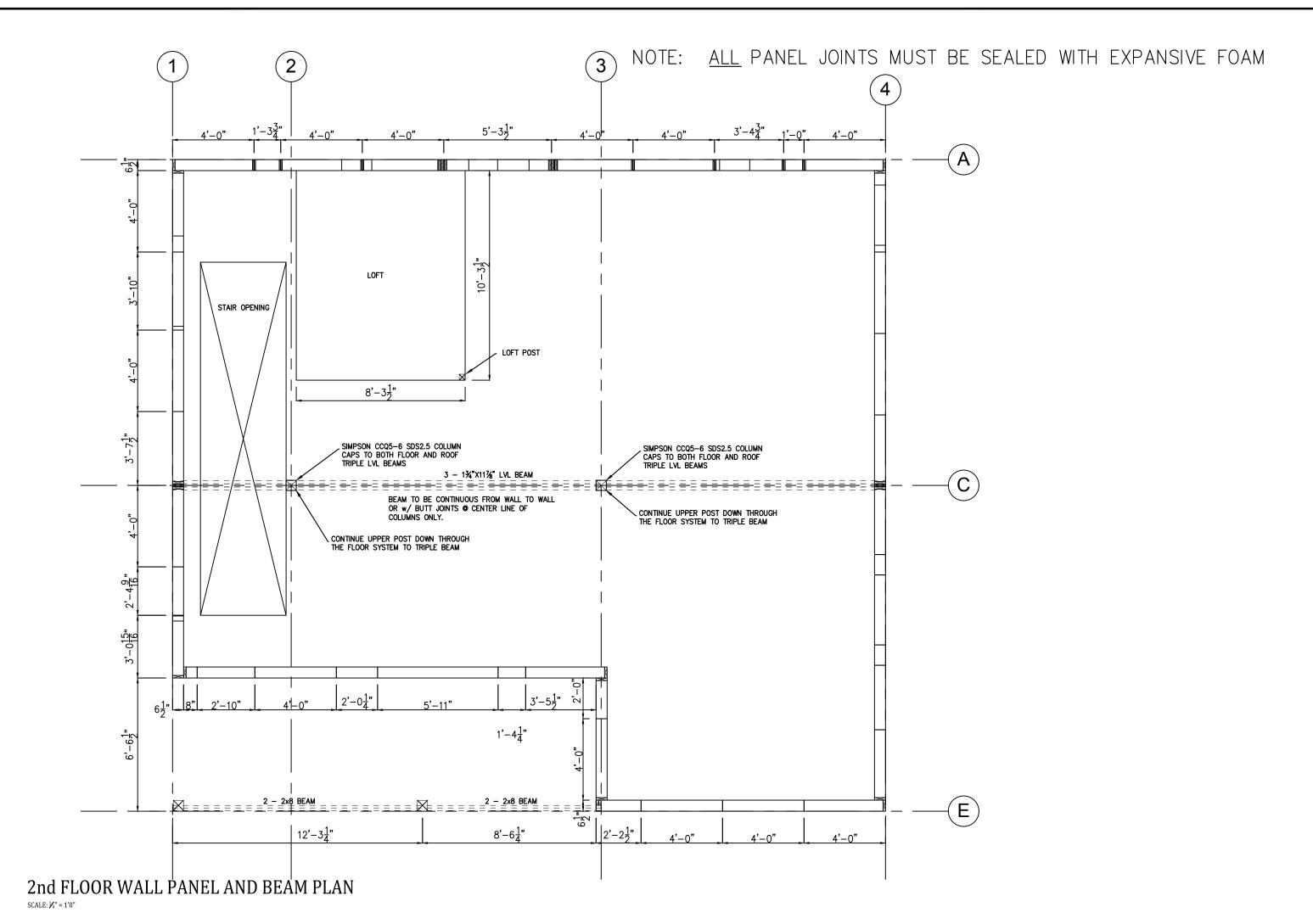
ITS3.56/11.88 Top Flange Hanger

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Revision 1 Revision 2

> 1/4" = 1'-0" EET NO.: P-3





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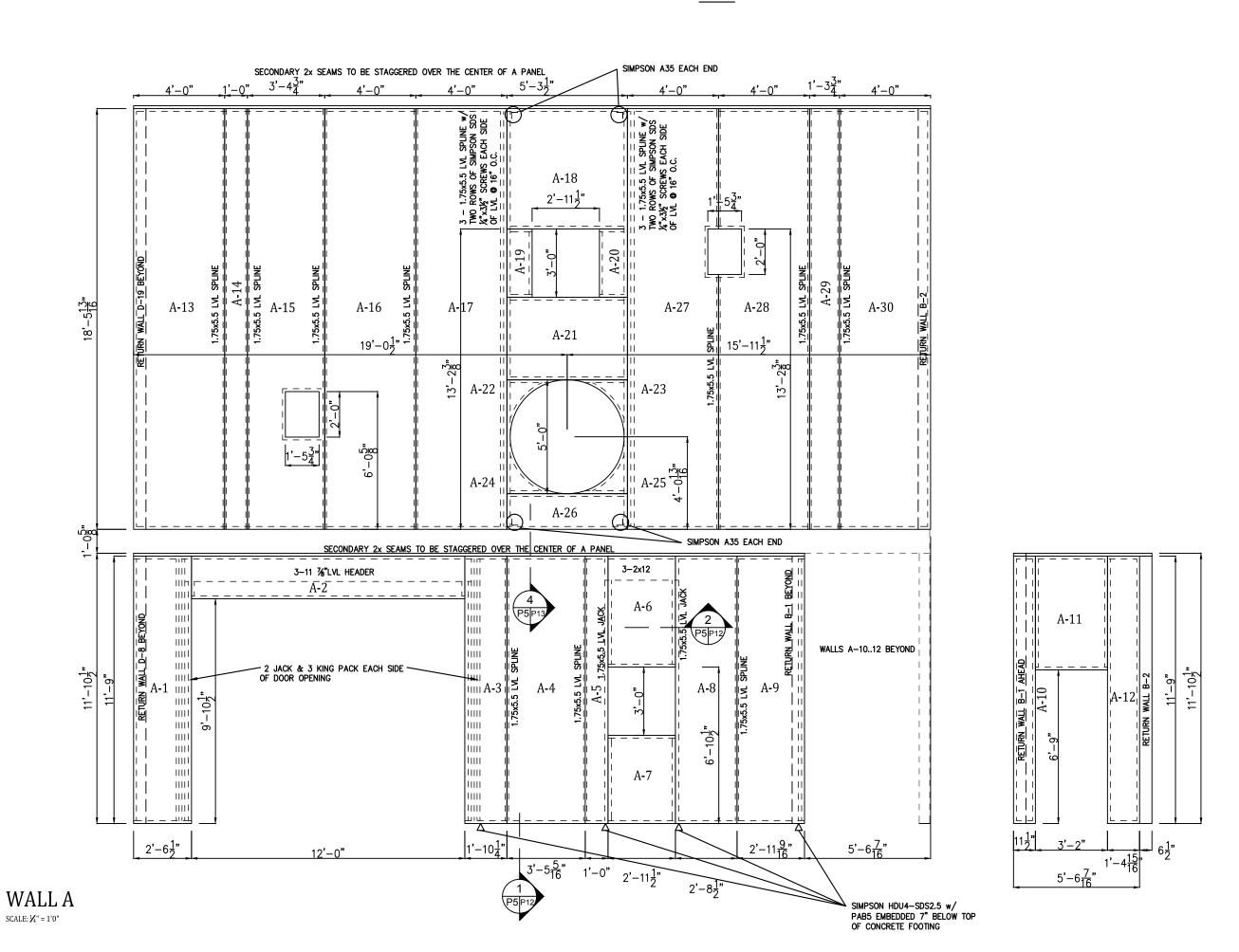
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SCALE: $\frac{1}{4}$ " = 1'-0"

SHEET NO.: P-4 of

FILE NAME:

NOTE: ALL PANEL JOINTS MUST BE SEALED WITH EXPANSIVE FOAM





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

SCALE: $\frac{1}{4}$ " = 1'-0"

SHEET NO.: P-5 of

FILE NAME: Gruben.



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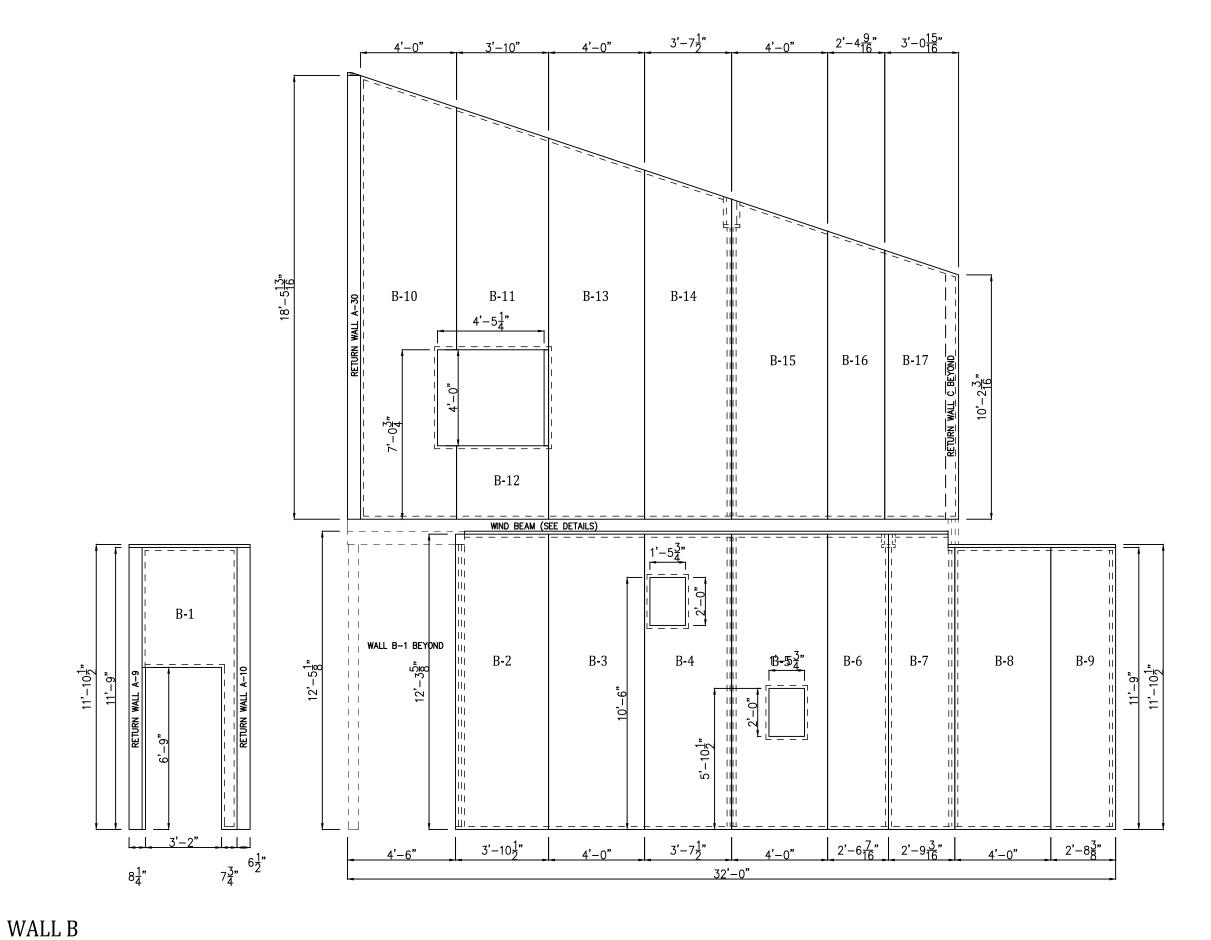
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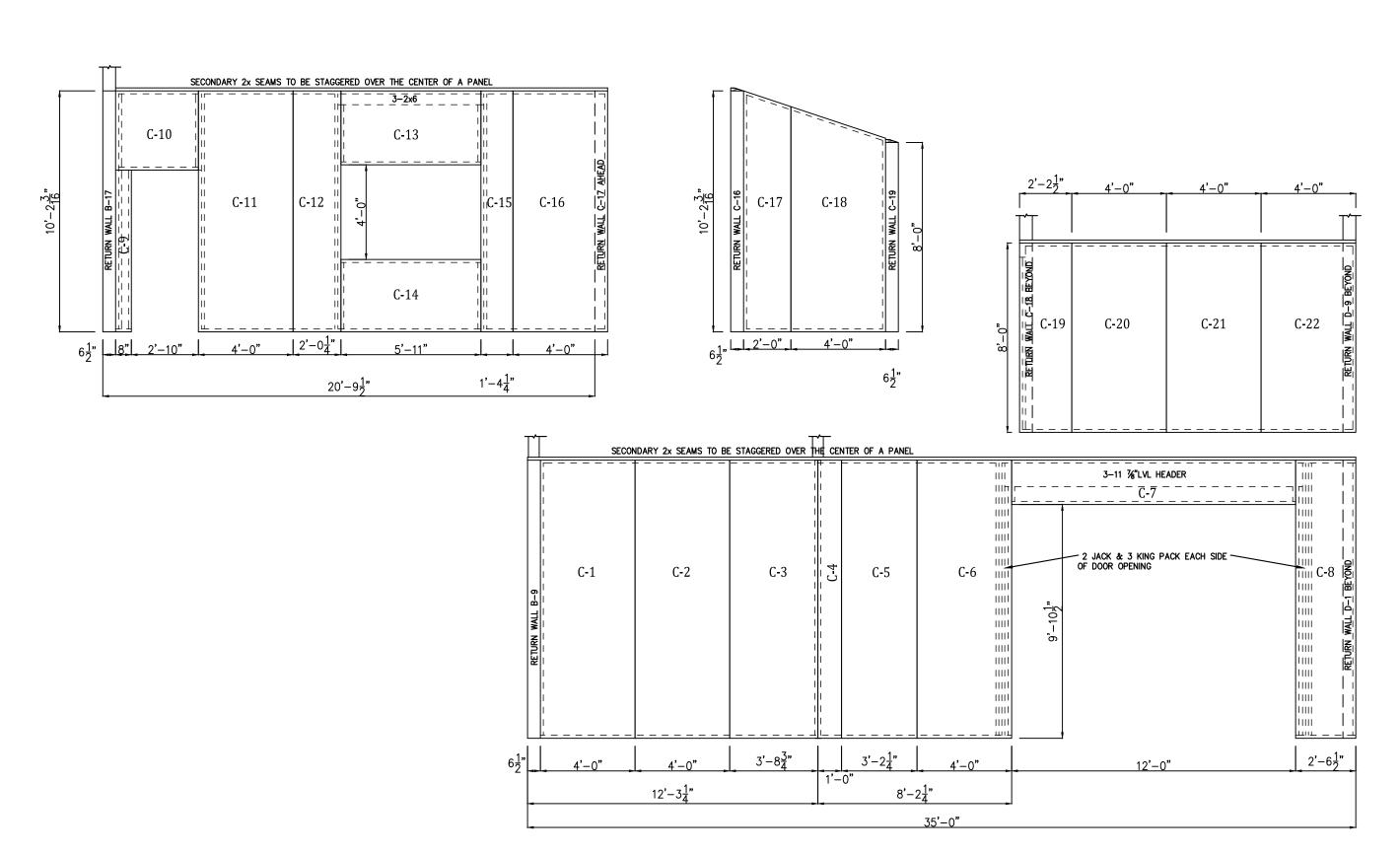
SCALE: 1'-0"
SHEET NO.: P-6

TLE NAME:
Gruben.dwg



SCALE: 1/4" = 1'0"

NOTE: ALL PANEL JOINTS MUST BE SEALED WITH EXPANSIVE FOAM



WALL C
SCALE: ½" = 1'0"



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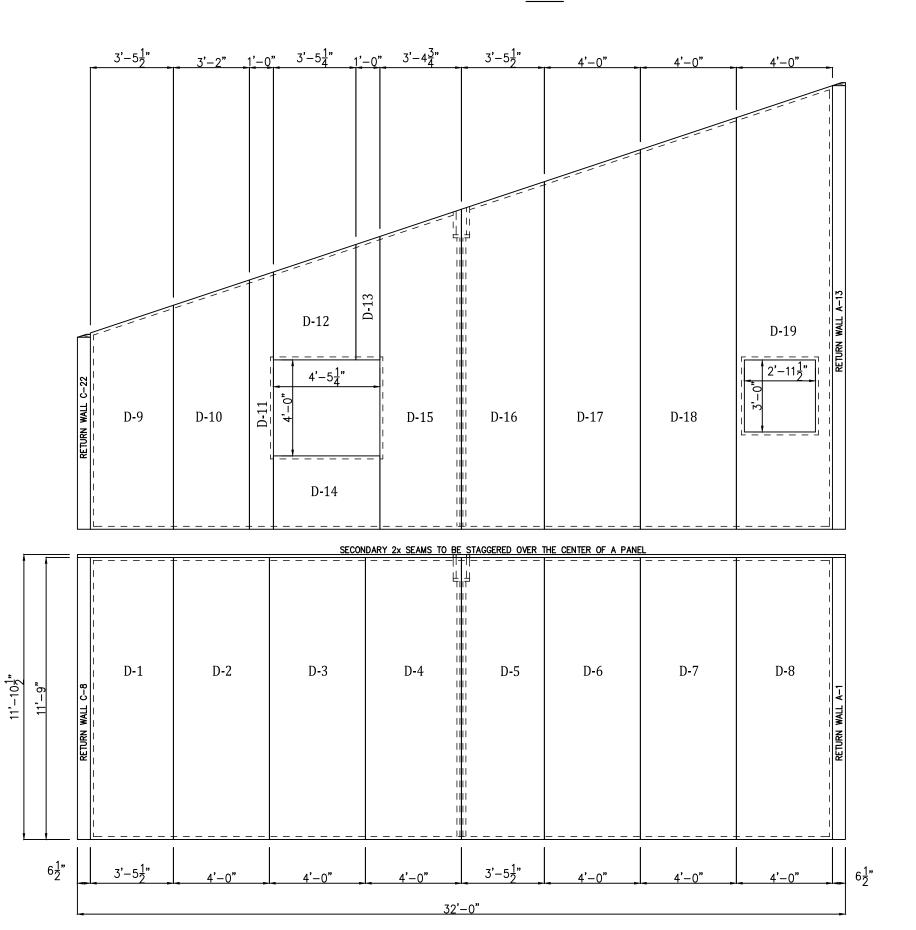
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| SCALE: 1/-0" | |

SHEET NO.: P-7 of 10

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NOTE: ALL PANEL JOINTS MUST BE SEALED WITH EXPANSIVE FOAM



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SCALE: $\frac{1}{4}$ " = 1'-0" SHEET NO.: P-8

FILE NAME:

WALL D
SCALE: ½" = 1'0"

NOTE: ALL PANEL JOINTS MUST BE SEALED WITH EXPANSIVE FOAM 35'-0" $2'-0\frac{5}{16}$ " RP-10 RP-11 RP-12 RP-13 RP-15 RP-16 RP-9 RP-14 SIMPSON CCQ5-6 SDS2.5 COLUMN CAPS SIMPSON CCQ5-6 SDS2.5 COLUMN 3 - 134"X11%" LVL BEAM BELOW BEAM TO BE CONTINUOUS FROM WALL TO WALL OR W/ BUTT JOINTS @ CENTER LINE OF COLUMNS ONLY. RP-2 RP-3 RP-1 RP-8 RP-5 RP-6 RP-4 RP-7 __2 <u>__</u> 2<u>x8</u> <u>BEAM_BELOW</u> 2 - 2x8 BEAM BELOW ROOF PANEL LAYOUT PLAN



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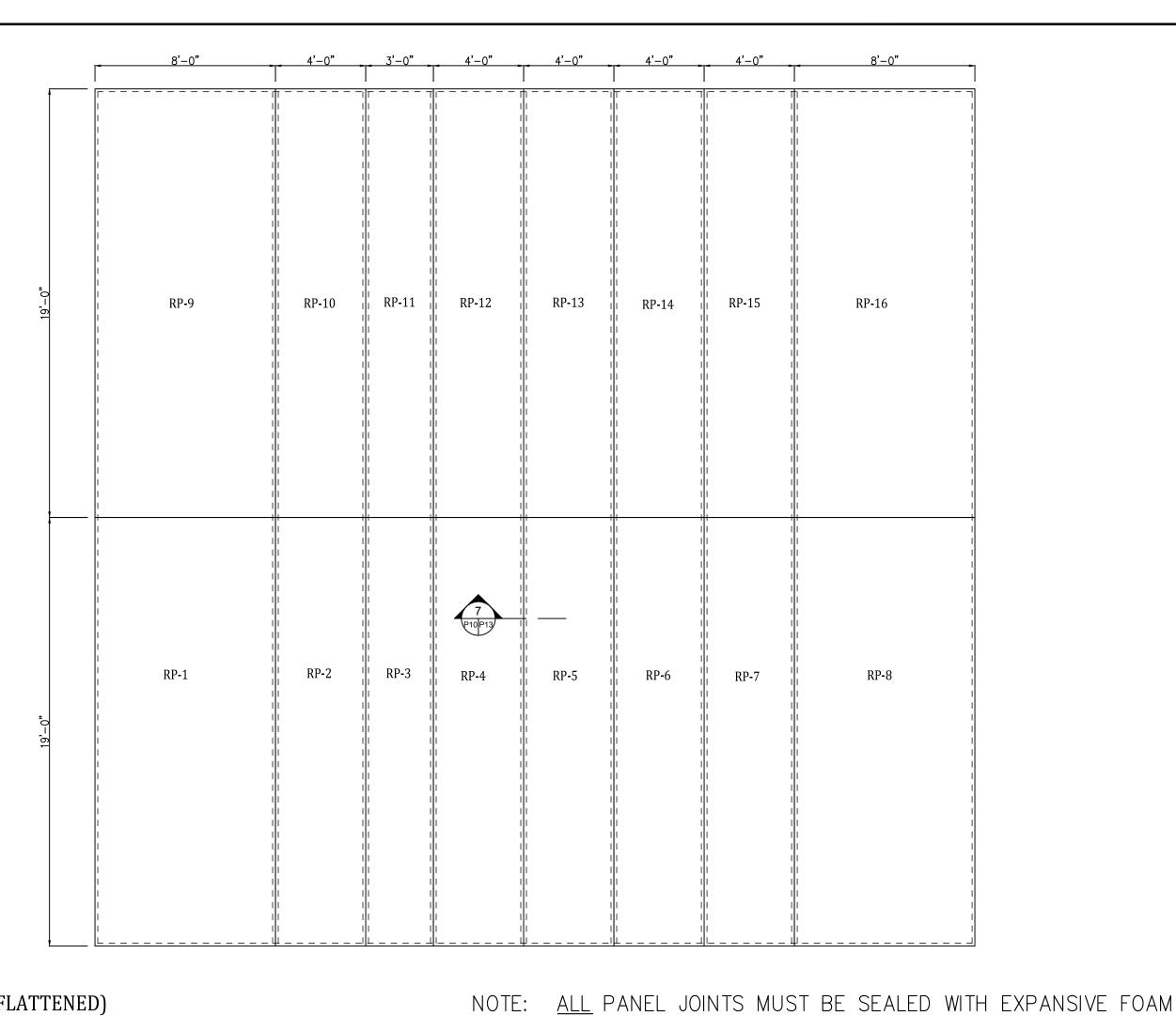
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1/4" = 1'-0"

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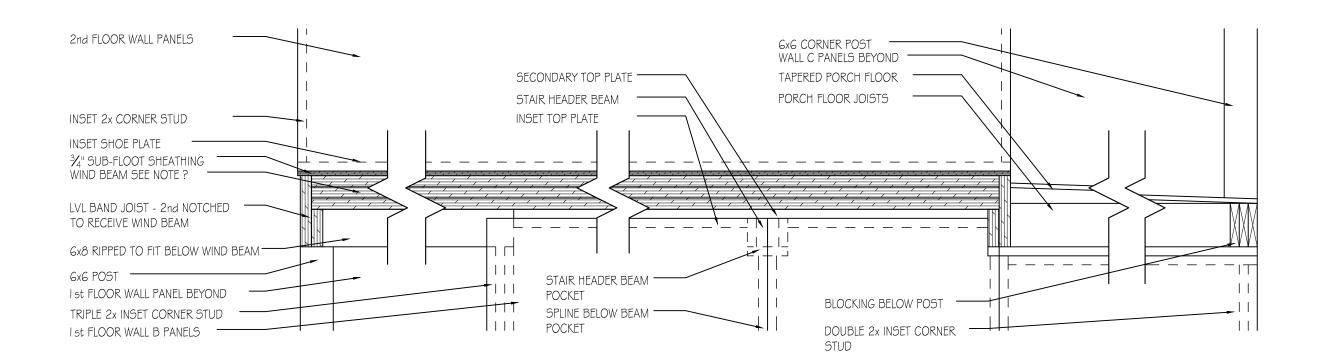
ROOF PANEL LAYOUT (FLATTENED)

SCALE: ¼" = 1'0"

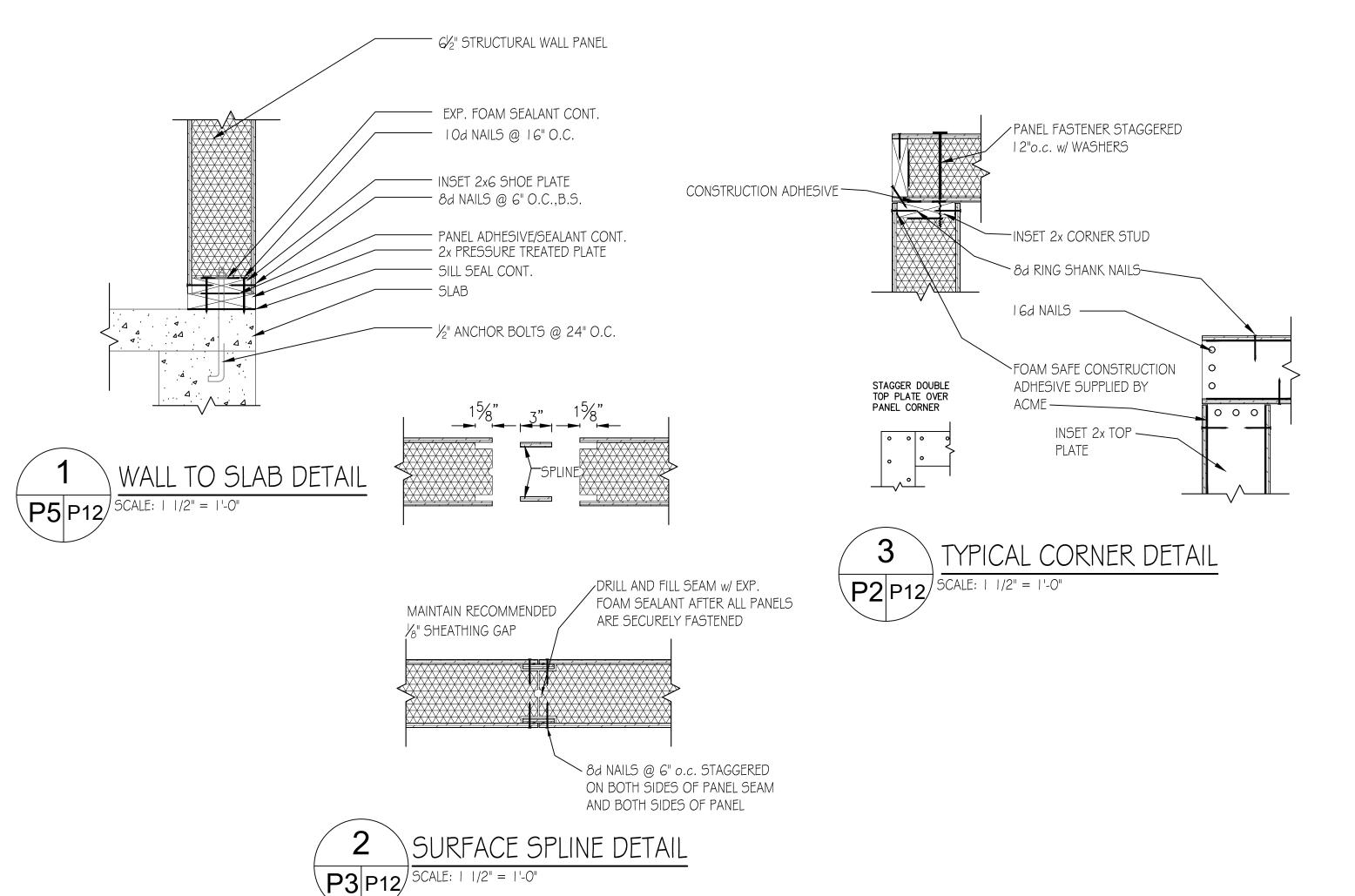
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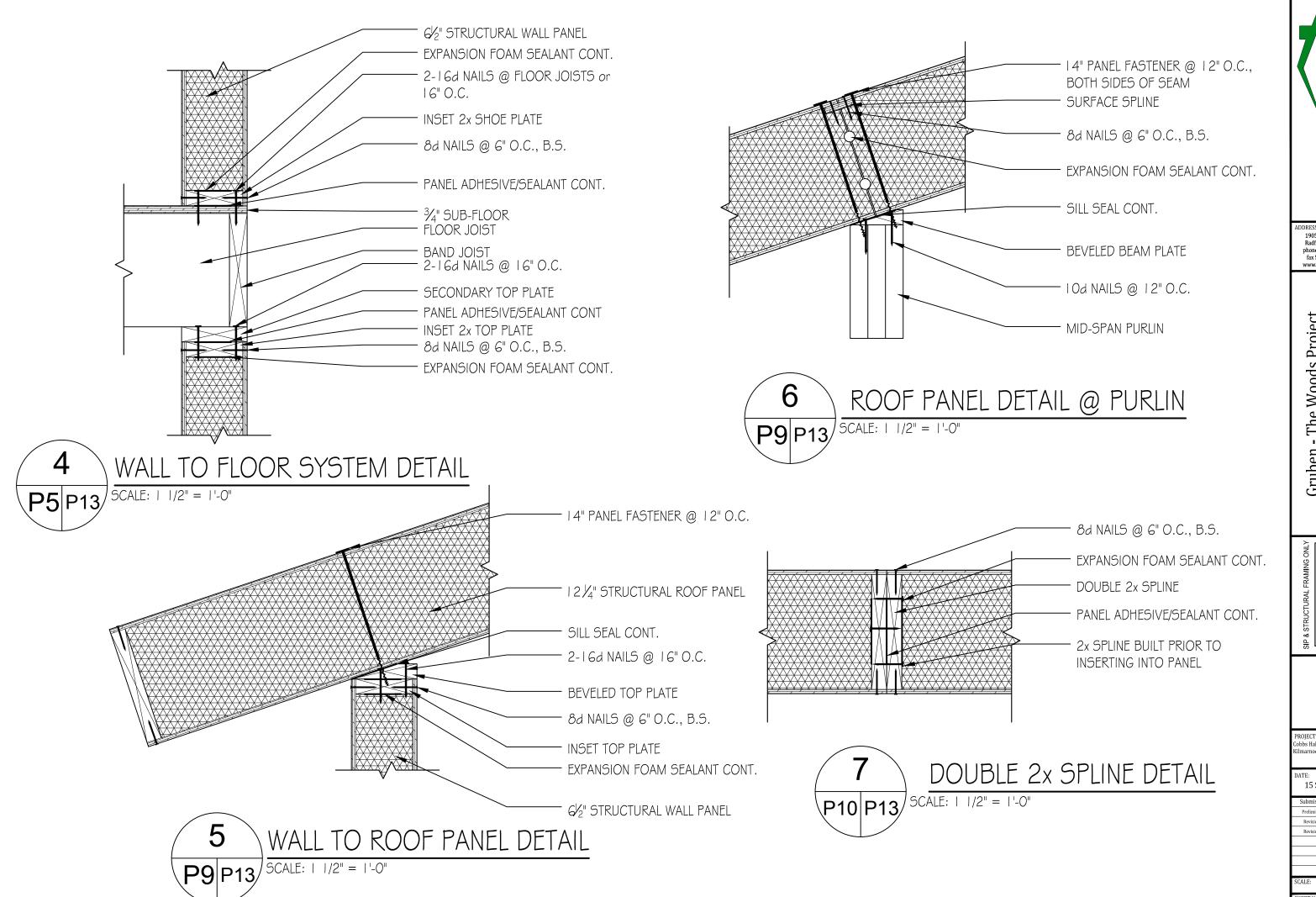
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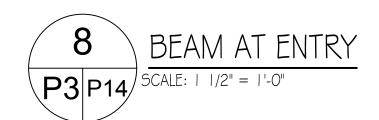
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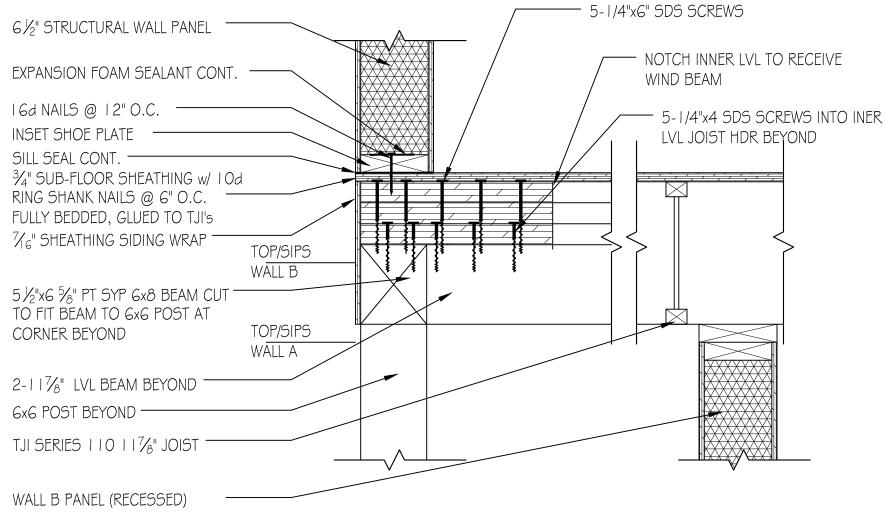
AS NOTED SHEET NO.: P-13_{of}

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AS NOTED EET NO.: P-14_{of}

6 1/2" STRUCTURAL WALL PANEL EXPANSION FOAM SEALANT CONT. 16d NAILS @ 12" O.C. INSET SHOE PLATE SILL SEAL CONT. -3/4" SUB-FLOOR SHEATHING W/ 10d RING SHANK NAILS @ 6" O.C. FULLY BEDDED, GLUED TO TJI's TJI SERIES | 10 | 1 1/8" JOIST JOIST HANGER -2-117/8" LVL BEAM SHEAR WALL STRAPS (SEE PLAN) WALL PANEL A BEYOND

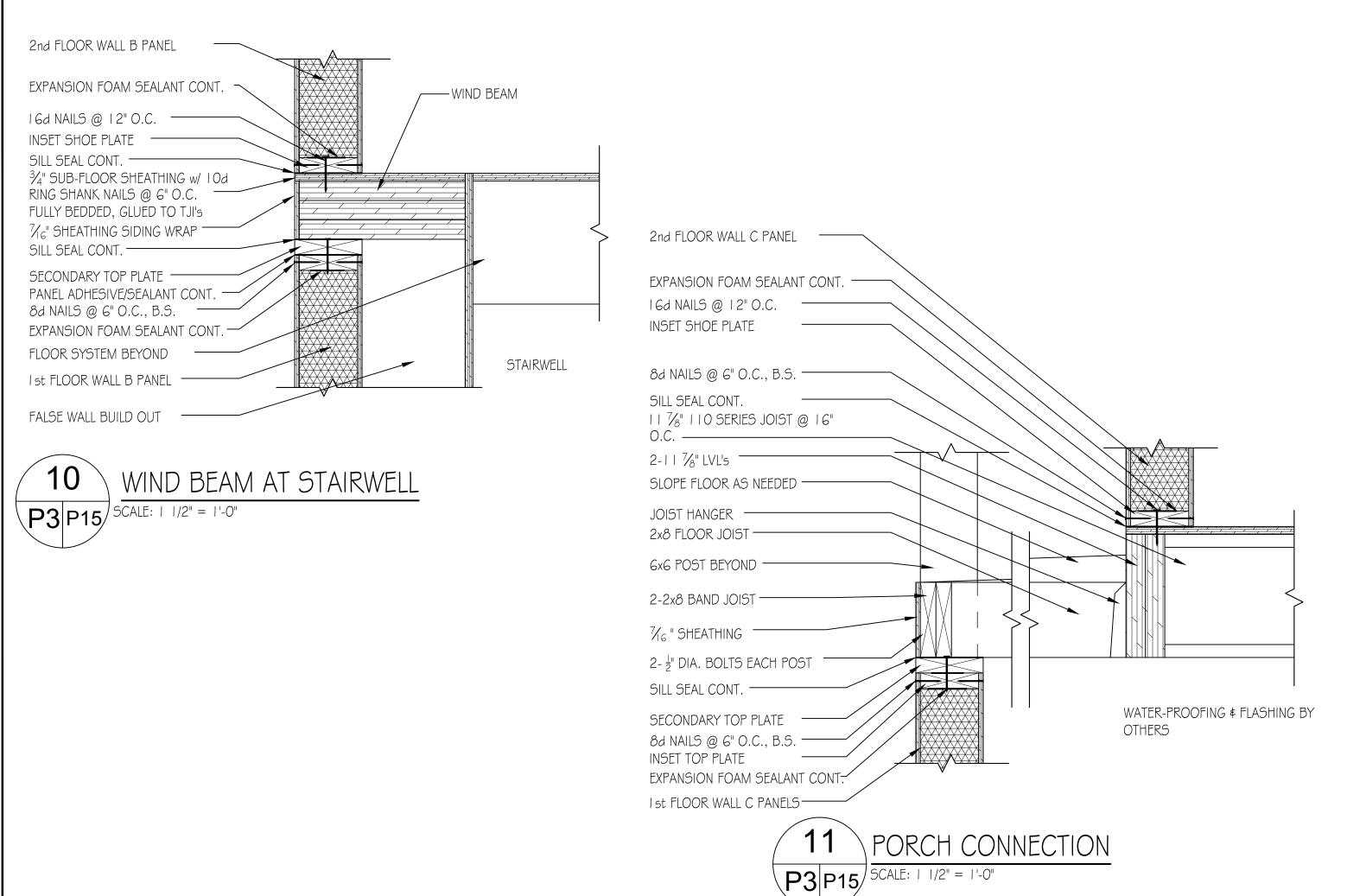




WIND BEAM AT ENTRY

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

P3 P14/





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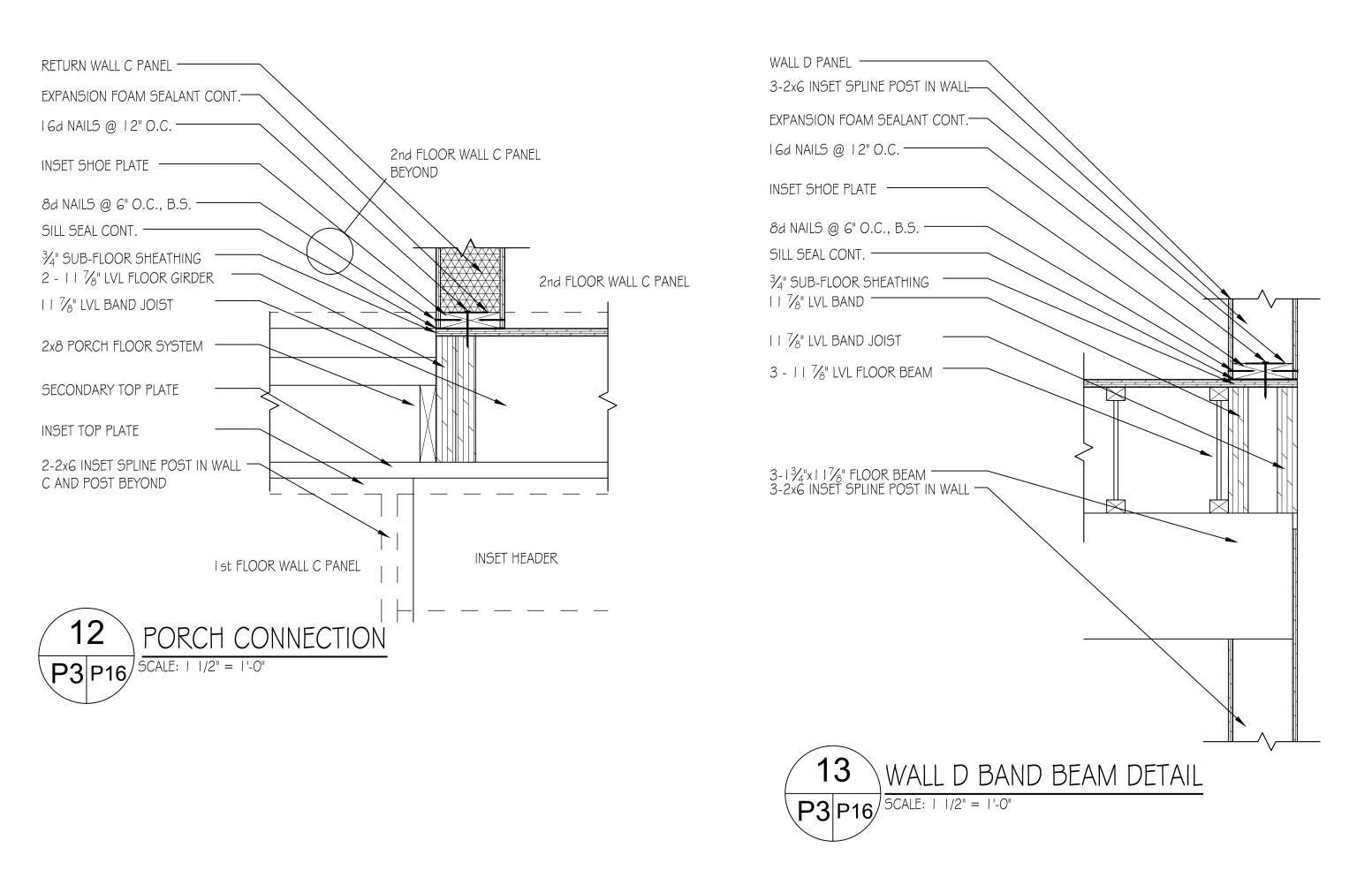
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