



STRUCTURAL INSULATED PANELS

MANUFACTURING/SALES  
PREMIER BUILDING SYSTEMS, LLC.  
18504 Canyon Rd E.  
PUYALLUP, WA 98375  
OFFICE-800.275.7086

# U.C. DAVIS HWQLHC

UNIVERSITY OF CALIFORNIA, DAVIS | HOT WATER QUAD LOOP AND HUTCHISON CONVERSION  
CAMPUS HEAT EXCHANGER AND DISTRIBUTION PIPING

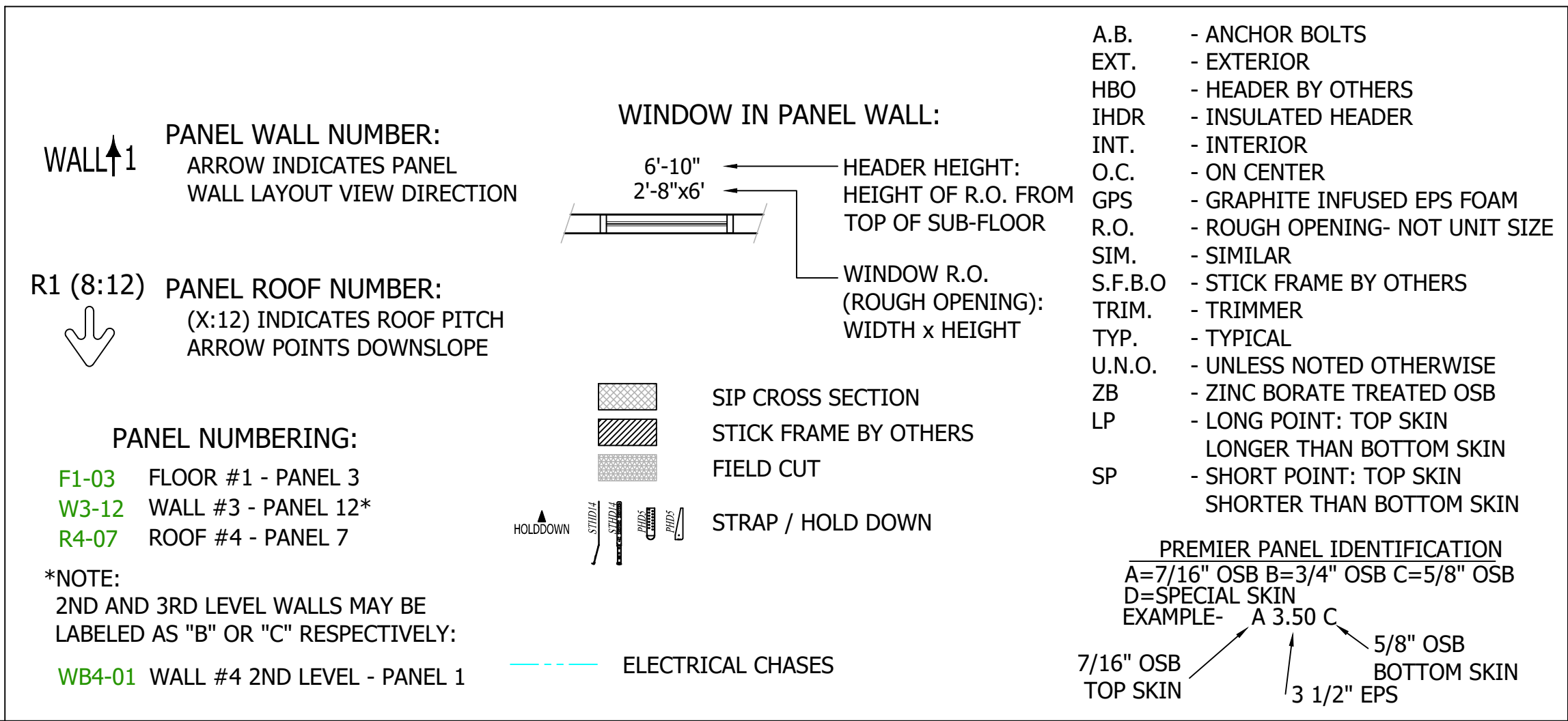
## GENERAL NOTES

- PREMIER IS A MATERIAL SUPPLIER AND NOT A BUILDER. PROPER INSTALLATION OF OUR PRODUCT SHOULD BE DONE BY A QUALIFIED CONTRACTOR. IT IS THE CONTRACTORS RESPONSIBILITY TO COMPLY WITH ALL APPLICABLE AND LOCAL CODES AND REGULATIONS.
- SHOP DRAWINGS ARE PREMIER'S INTERPRETATION OF THE PLANS PROVIDED. THE CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS AND VERIFY ALL DIMENSIONS WITH ARCHITECT. PANELS ARE FABRICATED PER THESE SHOP DRAWINGS. ANY DISCREPANCIES OR MISSING ITEMS IN THESE SHOPS SHOULD BE NOTED.
- PREMIER SHOP DRAWINGS ARE TO BE USED IN CONJUNCTION WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS. IF ANYTHING IS NOT CLEAR OR THERE ARE QUESTIONS THEY SHOULD BE IMMEDIATELY DIRECTED TO THE ENGINEER OF RECORD.
- CONTRACTOR SHOULD LOOK THROUGH THE PLANS CAREFULLY TO INSURE THAT ALL ASPECTS OF SIP PACKAGE CAN BE CONSTRUCTED THROUGH THEIR PREFERRED MEANS AND METHODS PRIOR TO SIGNING OFF ON THE SHOP DRAWINGS.
- EXECUTION OF WORK FOR SIP PACKAGE MAY REQUIRE COORDINATION WITH OTHER TRADES (I.E. ELECTRICIAN, HVAC, WINDOW/DOOR MANUFACTURER, ETC...). THIS COORDINATION IS THE RESPONSIBILITY OF THE CONTRACTOR.
- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO ENSURE THAT ALL SPLINES ARE PROPERLY SEATED INTO THE PANEL RECESSES AND COMPLETELY SEALED WITH MASTIC OR EXPANDING SPRAY FOAM, INCLUDING BUT NOT LIMITED TO SPLINE JOINTS, PENETRATIONS, LIFTING HOLES, ETC. VOIDS BETWEEN SPLINE JOINTS ARE NOT ACCEPTABLE IN A PROPER SIP INSTALLATION.
- THE CONTRACTOR IS RESPONSIBLE TO DETERMINE THE PROPER WEATHER BARRIER (I.E. HOUSE WRAPS, FLASHING, ROOF UNDERLAYMENT, ETC..) TO DRY IN THE BUILDING ENVELOPE.
- SOME DIMENSIONS CAN NOT BE VERIFIED UNTIL CONSTRUCTED. THEREFORE PREMIER TAKES NO RESPONSIBILITY FOR FIELD FABRICATION. SOME FIELD FABRICATED AREAS MAY HAVE BEEN HIGHLIGHTED ON THE DRAWINGS BUT MAY NOT BE LIMITED TO ONLY THOSE AREAS.
- YOU MAY EXPERIENCE DIMENSIONAL VARIANCES FROM THE CONSTRUCTION DRAWINGS AS PANELS ARE ASSEMBLED DUE TO GAPS AT PANEL JOINTS AND ADDITIONAL MISCELLANEOUS CONSTRUCTION VARIABLES SUCH AS FABRICATION TOLERANCES, LUMBER POST THICKNESS VARIANCES, ETC. FIELD CUTTING THE SIPS MAY BE REQUIRED TO ENSURE THAT THE TOTAL WALL OR ROOF ASSEMBLY IS PER THE CONSTRUCTION DRAWINGS. PREMIER WILL ADD GAPS AS INDICATED ON PANEL LAYOUTS BETWEEN PANEL JOINTS IN THE SHOP DRAWINGS (TYPICALLY 1/8" GAP).
- IT IS THE BUILDERS RESPONSIBILITY TO DETERMINE ALL MATERIALS NECESSARY FOR PANEL INSTALLATION. THIS INCLUDES VERIFYING THAT THE MATERIALS PREMIER WILL BE PROVIDING ARE ADEQUATE FOR THE PROJECT AND SOURCE ANY ADDITIONAL MATERIALS REQUIRED FOR PANEL INSTALLATION THAT ARE NOT PROVIDED BY PREMIER.
- PANEL WALL AND/OR ROOF LAYOUTS INCLUDE LOCATIONS OF FACTORY ELECTRICAL CHASES AS INDICATED IN THE LEGEND BELOW. ADDITIONAL "CUSTOM" ELECTRICAL CHASES MAY BE ADDED FOR A FEE.

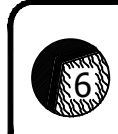
## DELIVERY & STORAGE

IN ORDER TO KEEP YOUR FREIGHT COSTS TO A MINIMUM AND MAKE THE MOST EFFICIENT USE OF THE SPACE AVAILABLE ON A TRUCK, WE TYPICALLY DO NOT SHIP PANELS IN NUMERICAL SEQUENCE. BEAR IN MIND THAT ALL PANELS HAVE MARKINGS WHICH DO MAKE FOR A SMOOTH IDENTIFICATION PROCESS. HOWEVER, IF YOU DESIRE A SPECIAL LOADING PLAN, THAT REQUEST, AND LAYOUT, MUST BE MADE CONCURRENT WITH THE RETURN OF THE SIGNED SHOP DRAWINGS AND MAY BE SUBJECT TO AN ADDITIONAL FEE. PANELS ARE FABRICATED AT 4' & 8' WIDTHS AND UP TO 24' LENGTHS. 6' FORKS ARE REQUIRED FOR 8' WIDE PANELS (REFER TO THE CONTRACT OF SALE FOR MORE INFORMATION OR ASK PREMIER FOR A DELIVERY INFORMATION SHEET). ALL PANELS SHALL BE STORED IN A PROTECTED AREA AND SUPPORTED EVERY 4' TO PREVENT DEFORMATION AND CONTACT WITH THE GROUND. DO NOT USE A BLACK OR DARK COLORED TARP. PRIOR TO INSTALLATION, ALL PANELS SHALL BE COVERED TO PREVENT CONTACT WITH WATER ON ALL EXPOSED PANEL EDGES.

## LEGEND/ABBREVIATIONS



THIS PROJECT UTILIZES THE FOLLOWING PANEL TYPES



PREMIER WALL TYPE  
C3.50C ZB

SIGN HERE  
PLEASE

ENGINEERING DATA										
WIND SPEED:	115	MPH	EXP.	C	SEISMIC:	E				
FLOOR LOAD			ROOF LOAD							
LIVE LOAD:	XX	PSF	LIVE LOAD:			XX				PSF
DEAD LOAD:	XX	PSF	DEAD LOAD:			XX				PSF
TOTAL LOAD:			XX	PSF	TOTAL LOAD:			XX	PSF	

## LIST OF DRAWINGS

- TITLE SHEET, PROJECT INFO
- WALL PLAN
- WALL PANEL LAYOUTS
- PBS DETAILS
- SIP FRAMING ITEMS

PROJECT NAME

# MARK III CONSTRUCTION

HOT WATER QUAD LOOP & HUTCHISON CONVERSION  
CAMPUS HEAT EXCHANGER AND DISTRIBUTION PIPING

20200130-0005

CONTACT INFORMATION

SITE ADDRESS

UNIVERSITY OF CALIFORNIA  
DAVIS CAMPUS, YOLO COUNTY  
DAVIS, CA 95616

SILVIANO VELAZQUEZ  
MARK III CONSTRUCTION  
5101 FLORIN PERKINS RD.  
SACRAMENTO, CA 95826

916-381-8080

DRAWN BY: R. STOWERS APRIL 16, 2020  
CHECKED BY:

### REVISIONS:

#	DRAFTER	DATE	TYPE
1.	RKS	06/04/20	C-REV
2.	RKS	07/15/20	C-REV
3.	RKS	07/29/20	E-REV
4.	RK	07/30/2020	FINAL
5.			

AS A SUPPLIER OF MATERIALS ONLY, PREMIER SIPS DOES NOT ASSUME RESPONSIBILITY FOR ERRORS IN DESIGN, ENGINEERING, OR DIMENSIONS. OWNER/AGENT (ARCHITECT, CONTRACTOR, AND/OR INSTALLER) SHALL VERIFY ALL DIMENSIONS AND SIZES, AND BY SIGNING THESE PLANS, THE CONTRACTOR TAKES FULL RESPONSIBILITY FOR THEIR ACCURACY.

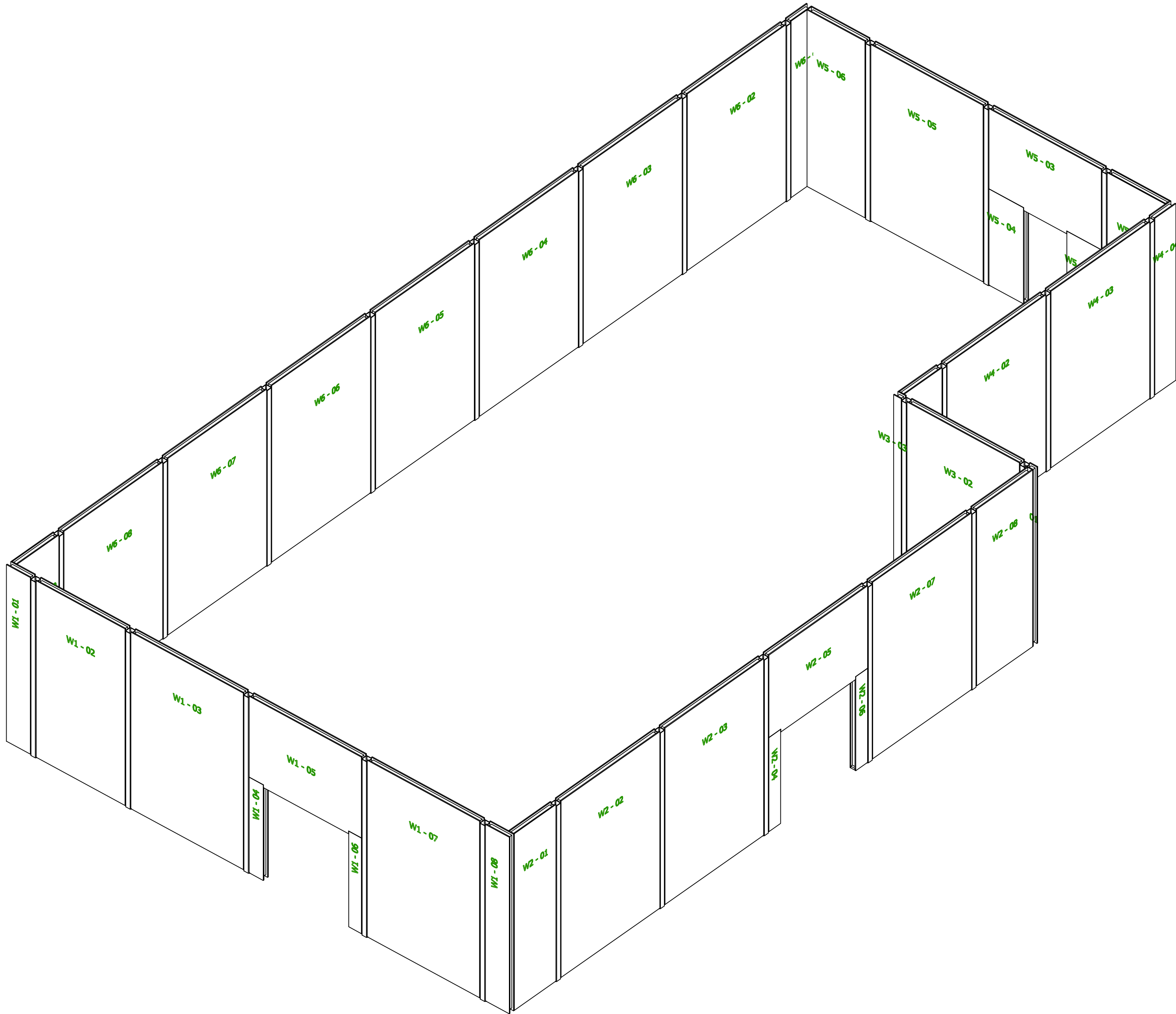
CUSTOMER'S SIGNATURE

DATE

- ☐ REVISE & RESUBMIT  
☐ APPROVED WITH REVISIONS AS NOTED IN RED  
☐ APPROVED AS DRAWN

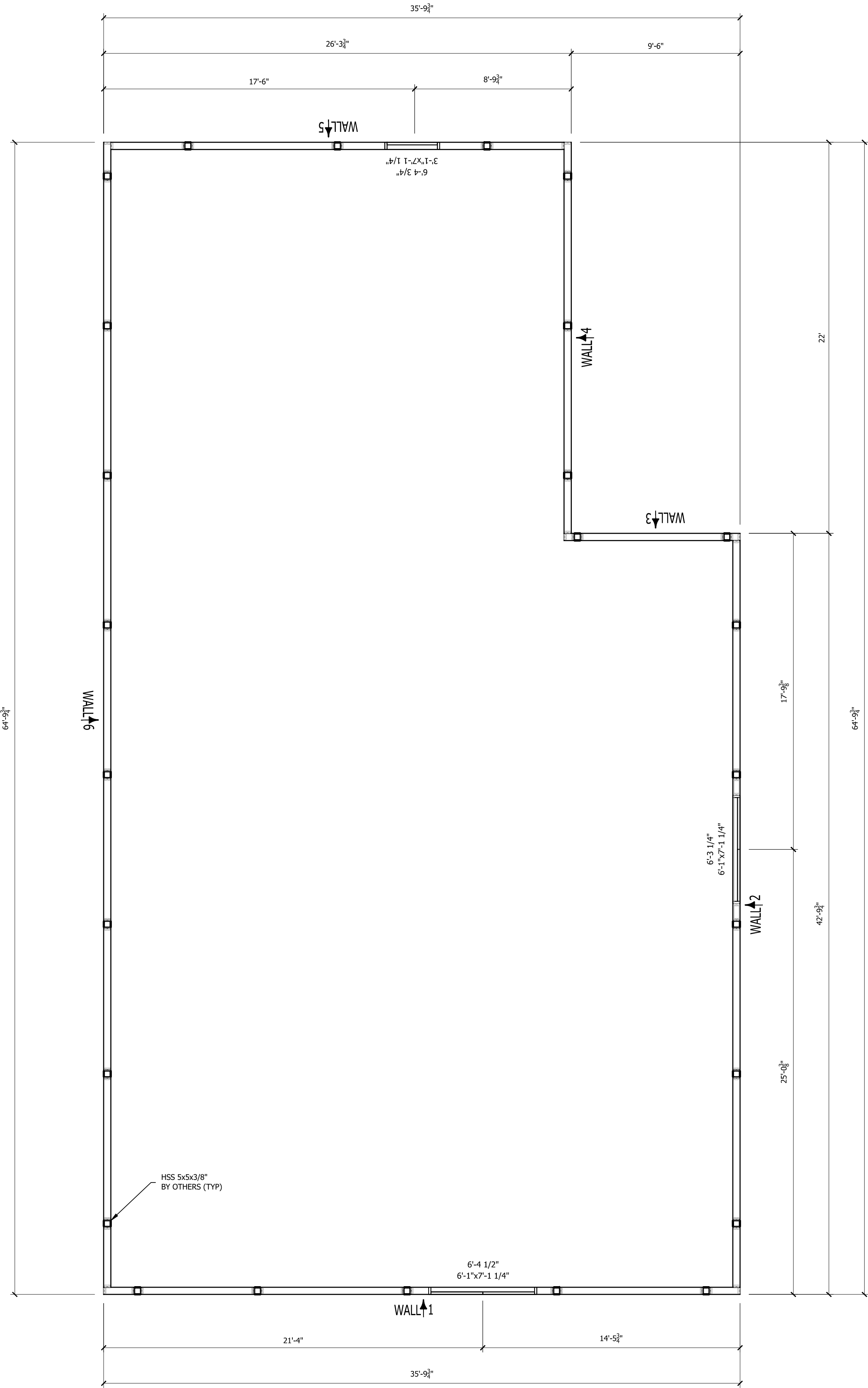


- NOTES:
- ROUGH OR SMOOTH OSB DOES NOT DENOTE INTERIOR OR EXTERIOR OF SIP. REFER TO PANEL LAYOUTS FOR PANEL ORIENTATION.
  - ALL IN-PLANE, PANEL-TO-PANEL JOINTS PBS-005 U.N.O
  - INSULATED HEADERS (IHDR-2 PLY) ARE CUT TO 1' INCREMENTS ROUNDED UP FROM THE REQUIRED ROUGH OPENING. (IF YOU'RE ABOUT TO CUT OFF MORE THAN 1' OF INSULATED HEADER THEN YOU'RE CUTTING THE WRONG ONE).
  - STANDARD DETAILS PROVIDED FOR TYPICAL INSTALLATION METHODS. REFERENCE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR JOB SPECIFIC CONNECTION DETAILS, WHICH TAKE PRECEDENT OVER PBS TYPICAL DETAILS.
  - FACTORY INSTALLED LUMBER (IF REQUESTED BY CUSTOMER) WILL BE HIGHLIGHTED IN RED IN THE SIP PANEL LAYOUTS.
  - STANDARD WALL ELECTRICAL CHASES ARE NOT INCLUDED.



Panel Perspective

1/4" = 1'-0"



Panel Wall Plan

4 7/8" Panels

1/4" = 1'-0"

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		5.			

PANEL WALL PLAN

CUSTOMER APPROVAL:

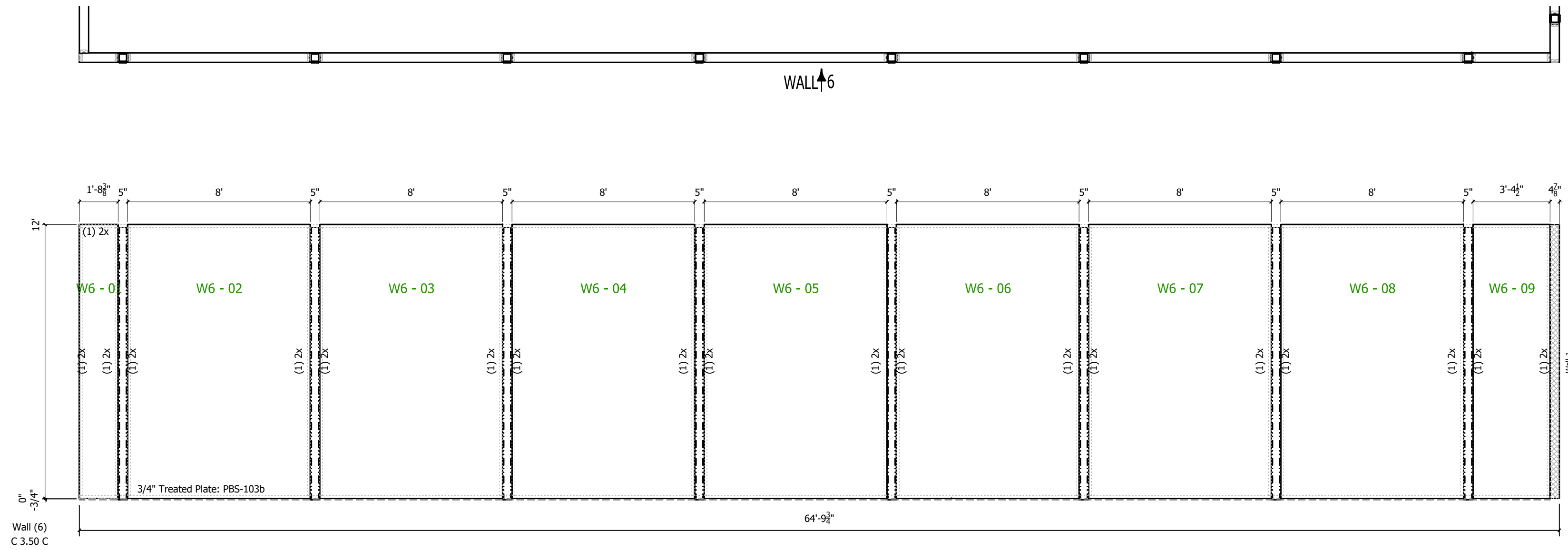
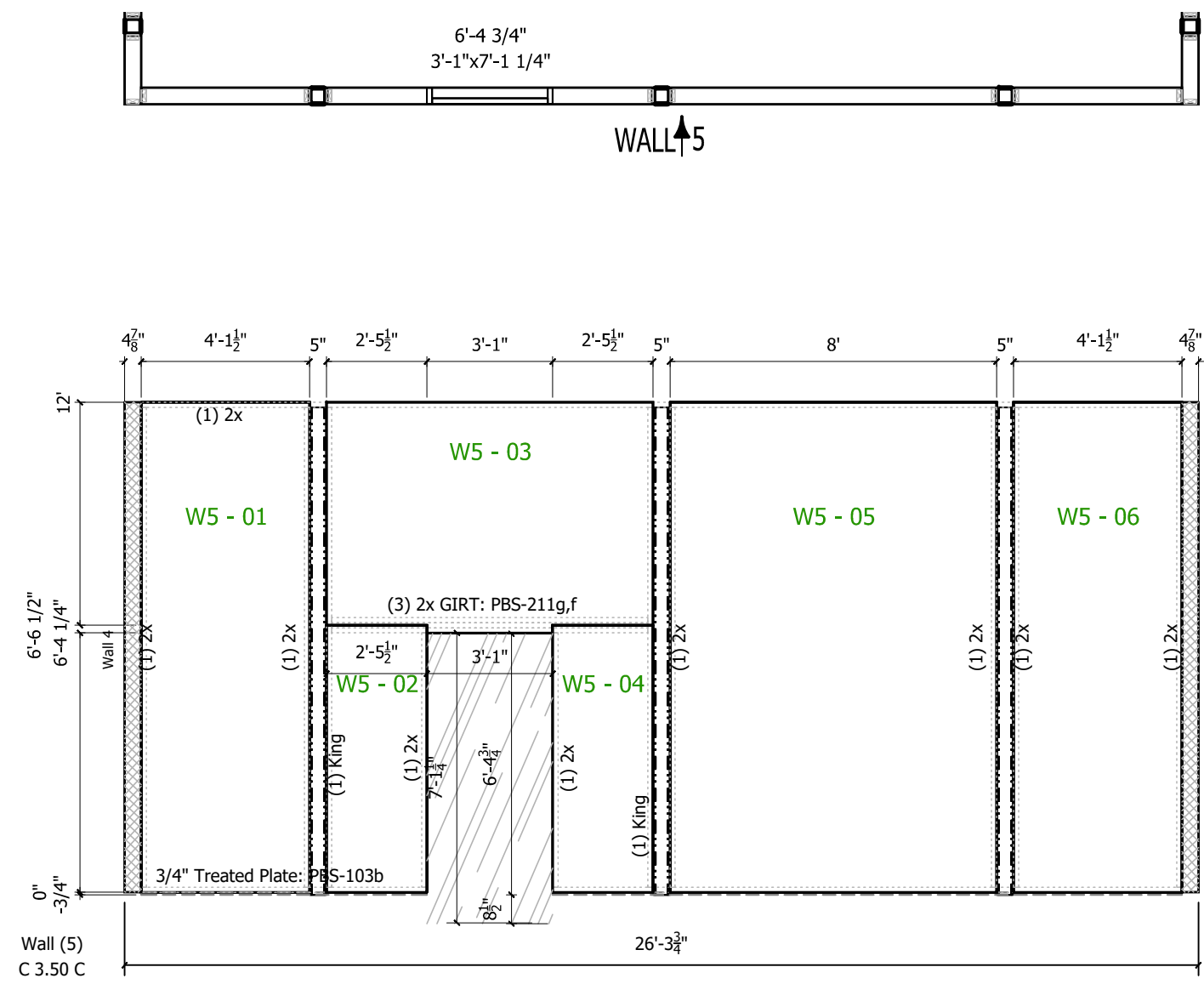
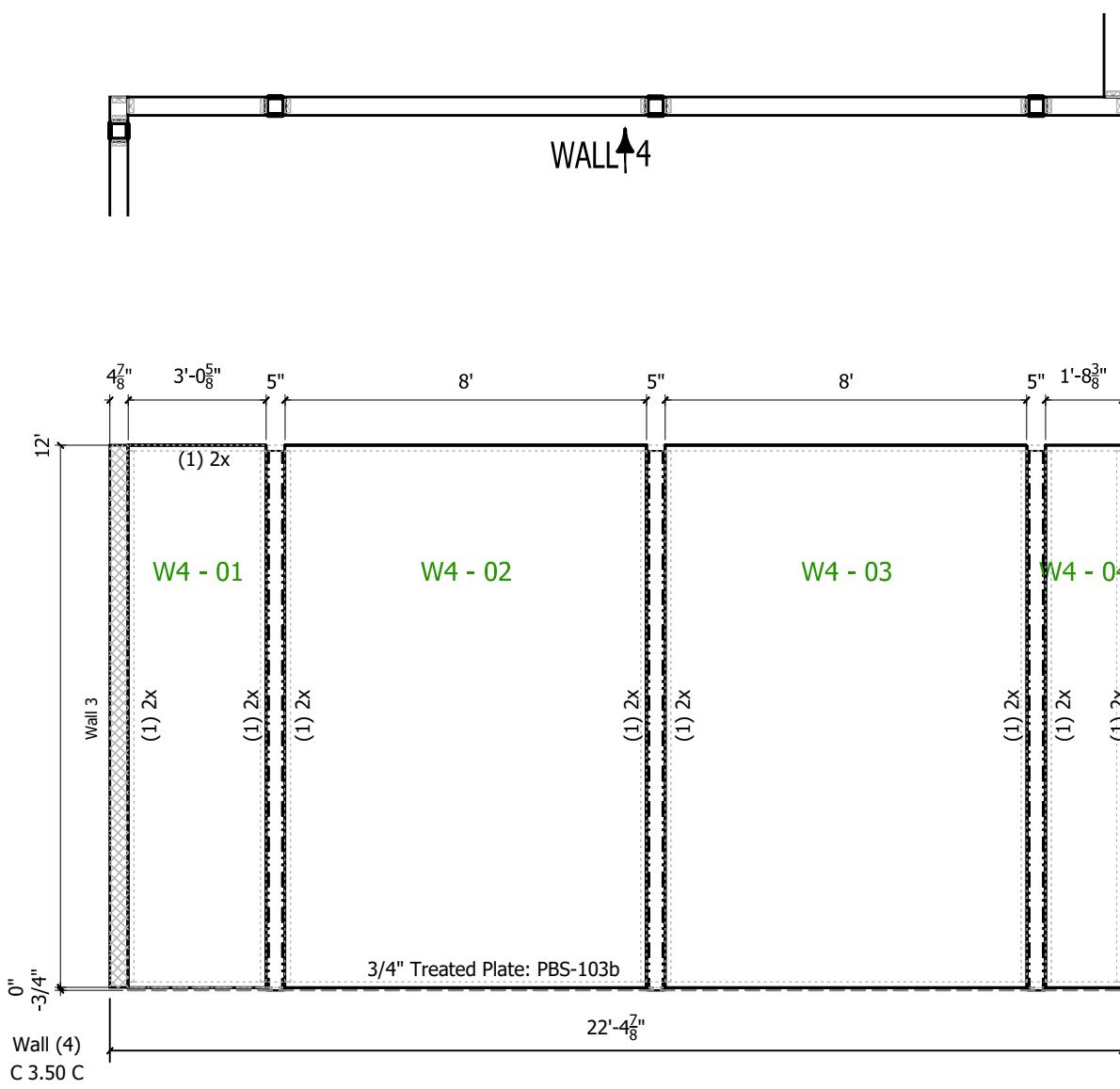
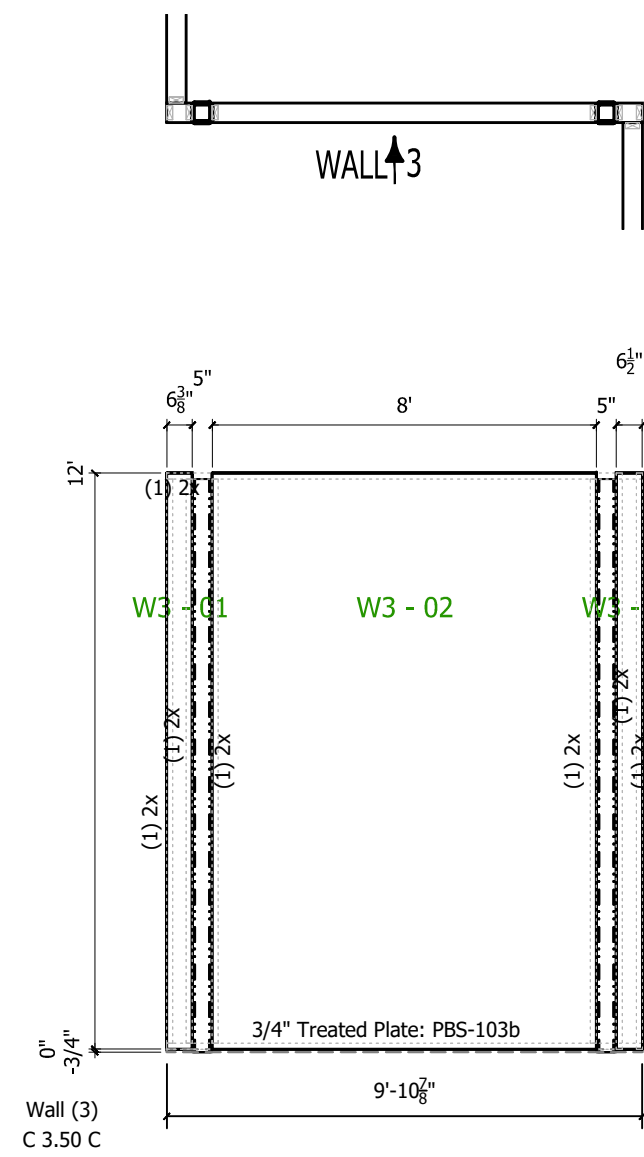
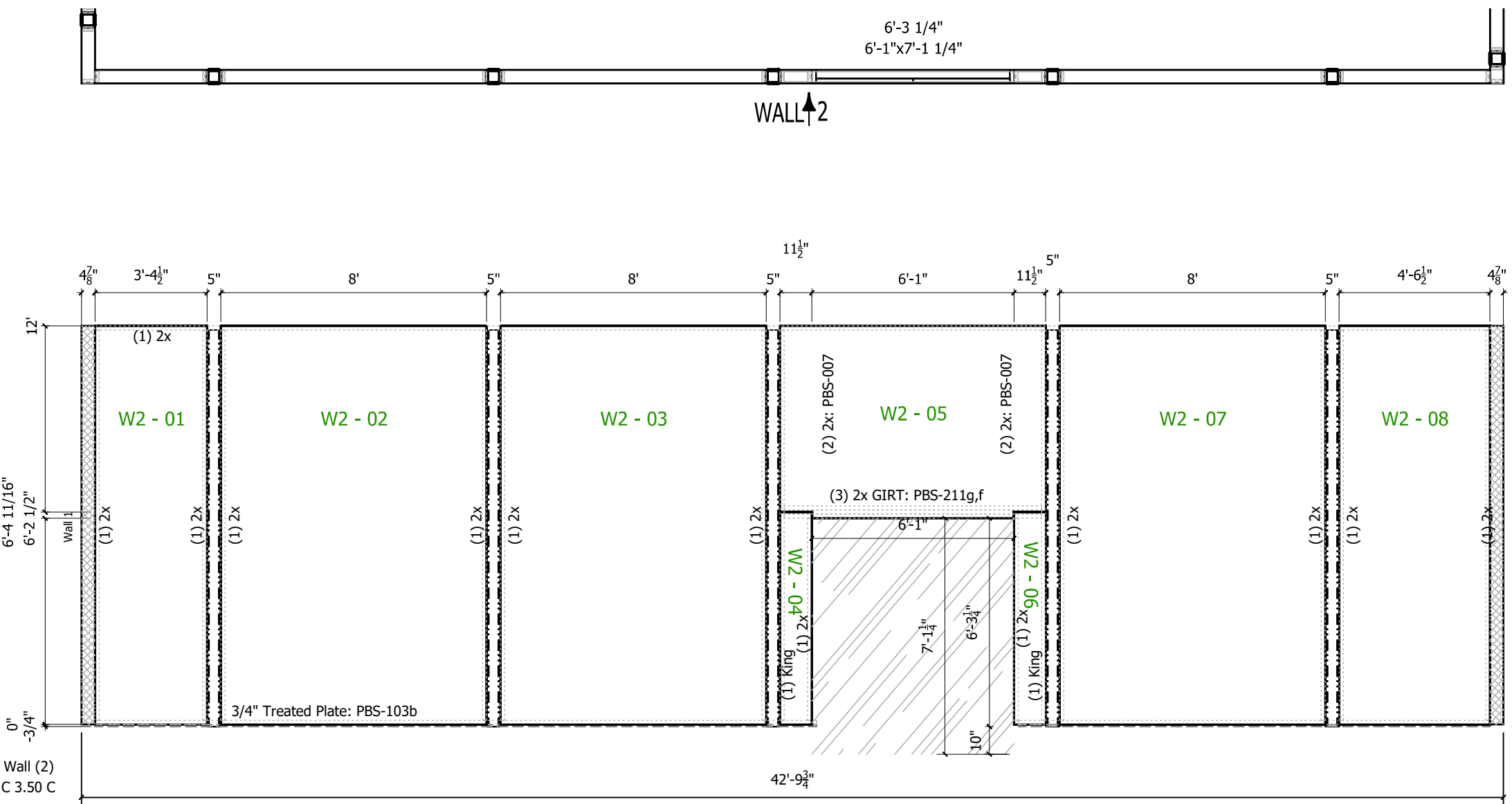
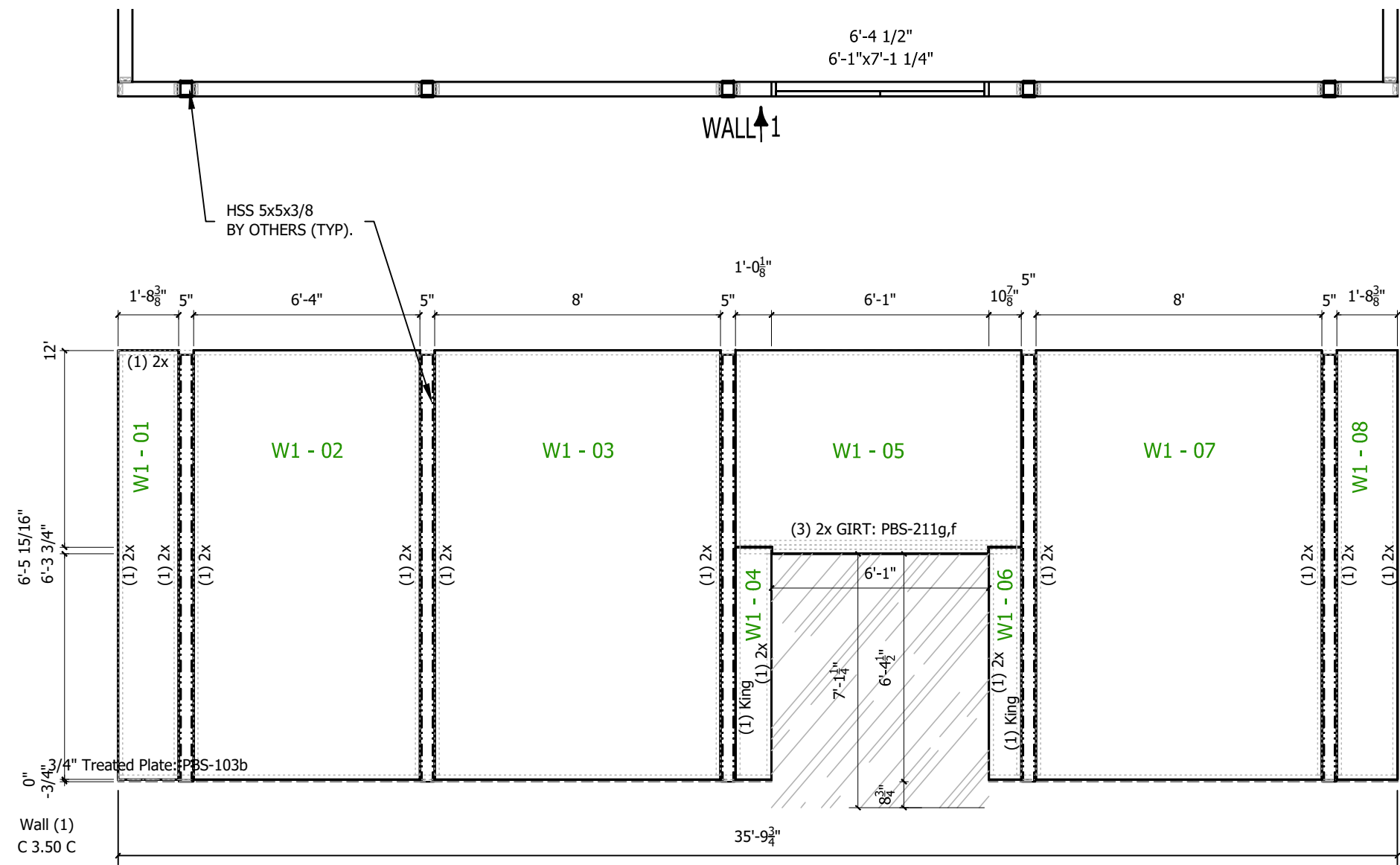
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SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

PROJECT INFORMATION:

UC Davis *HWQLHC*  
20200130-0005  
University of California, Davis

DRAWN:	R.STOWERS
CHECKED:	
DATE:	04/16/20
SCALE:	VARIES
SHEET NO.	2 OF 5



Panel Wall Layouts

4 7/8" Panels 1/4" = 1'-0"

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		1.	MS	06/04/20	C-REV
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		3.	MS	07/29/20	E-REV
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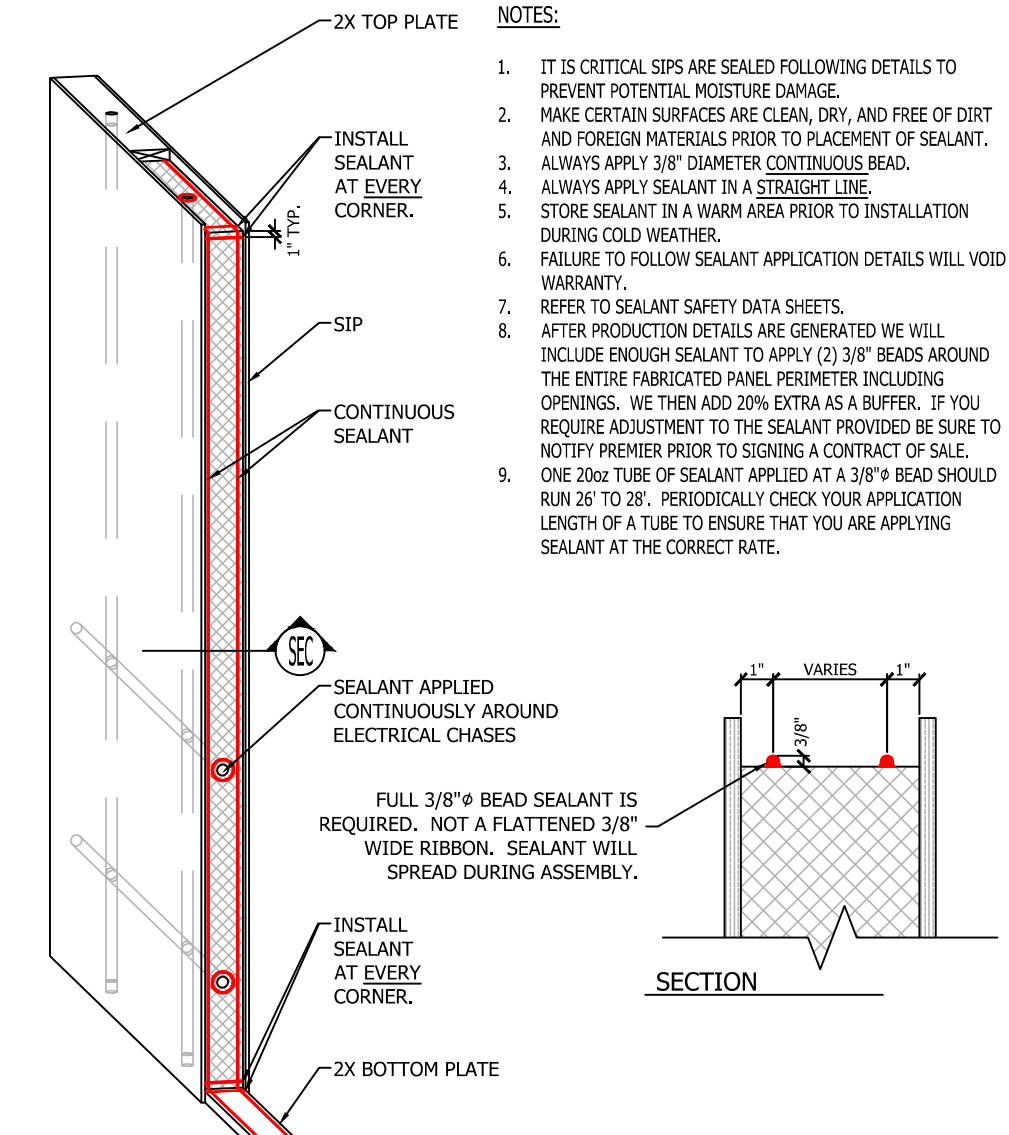
PANEL LAYOUTS

CUSTOMER APPROVAL:		SIGNATURE	DATE
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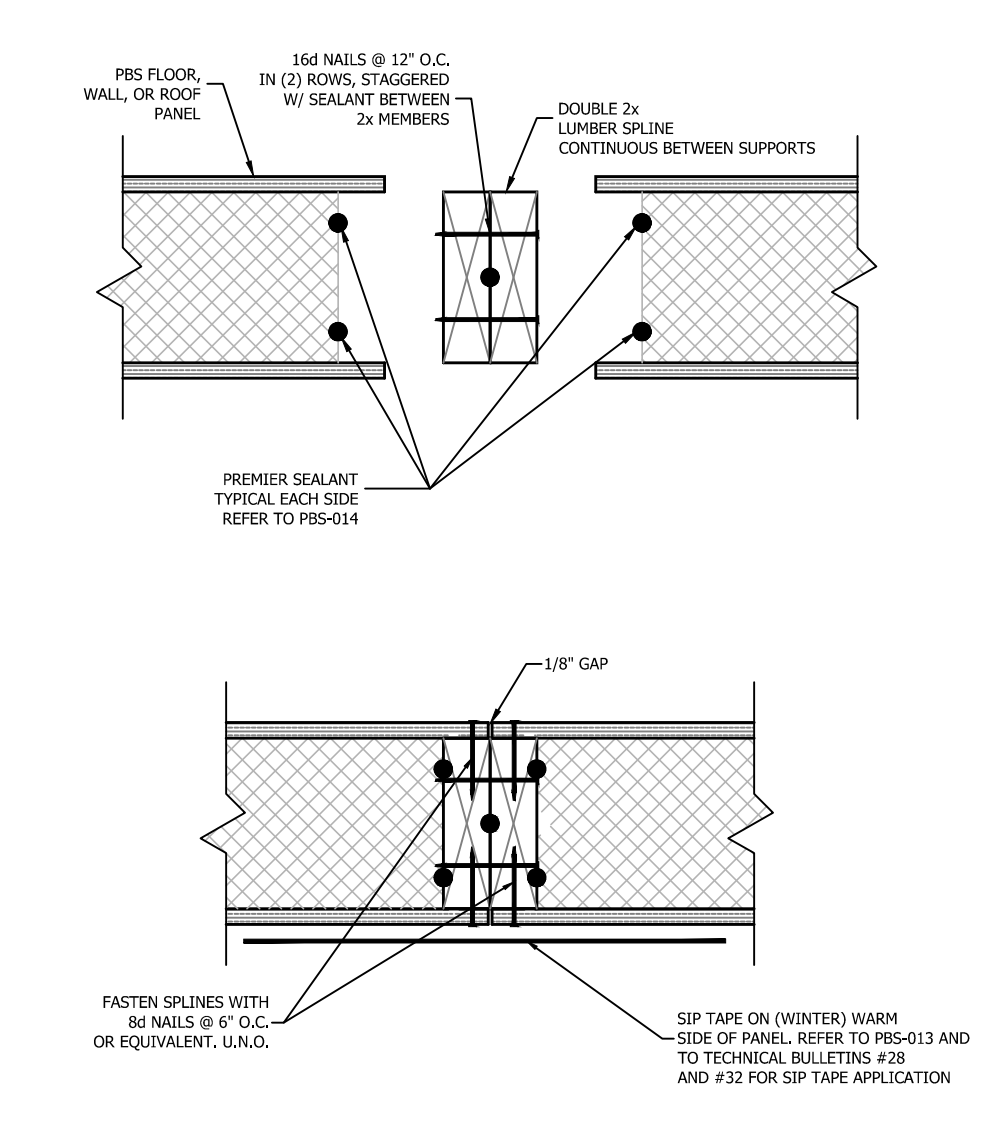
PROJECT INFORMATION:  
*UC Davis HWQLHC*  
*20200130-0005*  
*University of California, Davis*

DRAWN:	R.STOWERS
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SCALE:	VARIES
SHEET NO.	3 OF 5

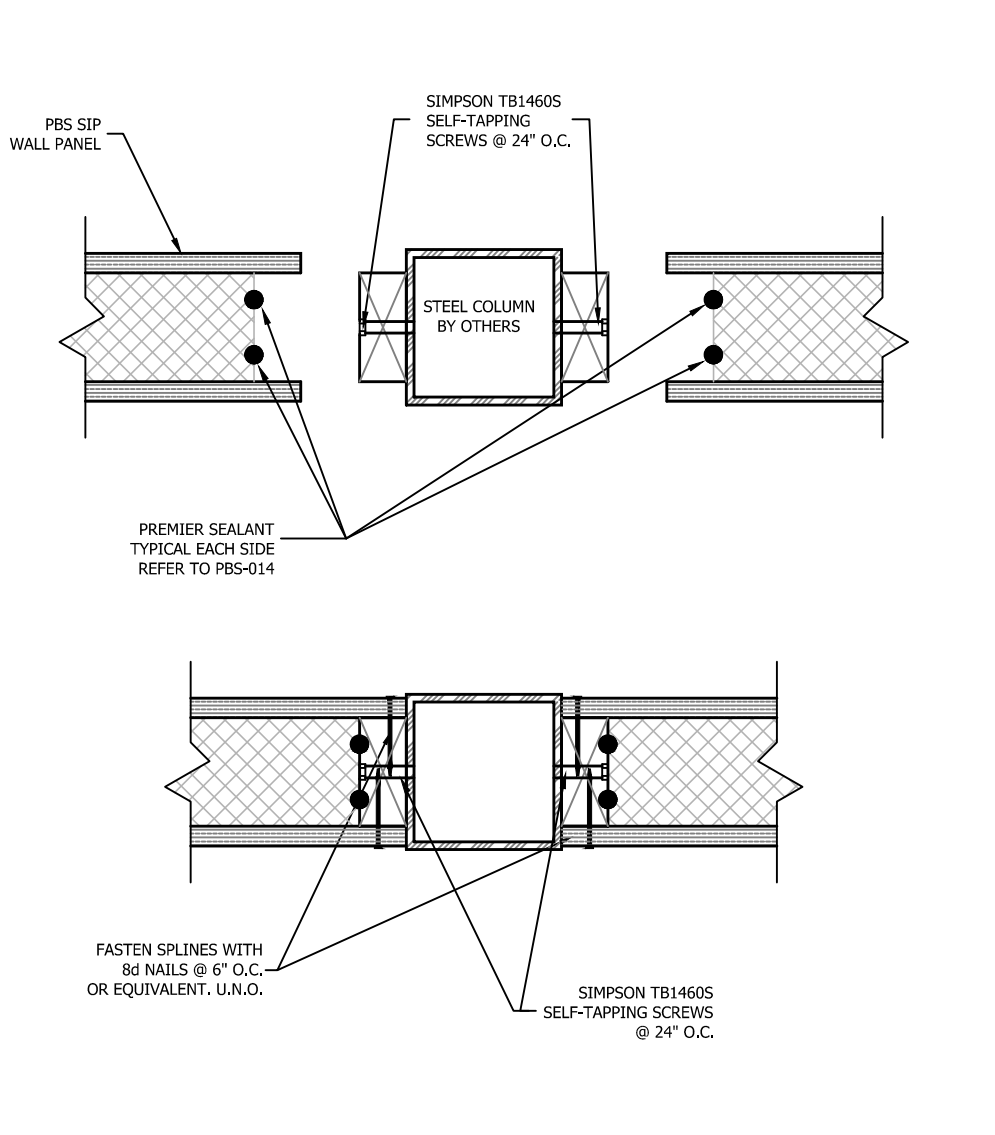




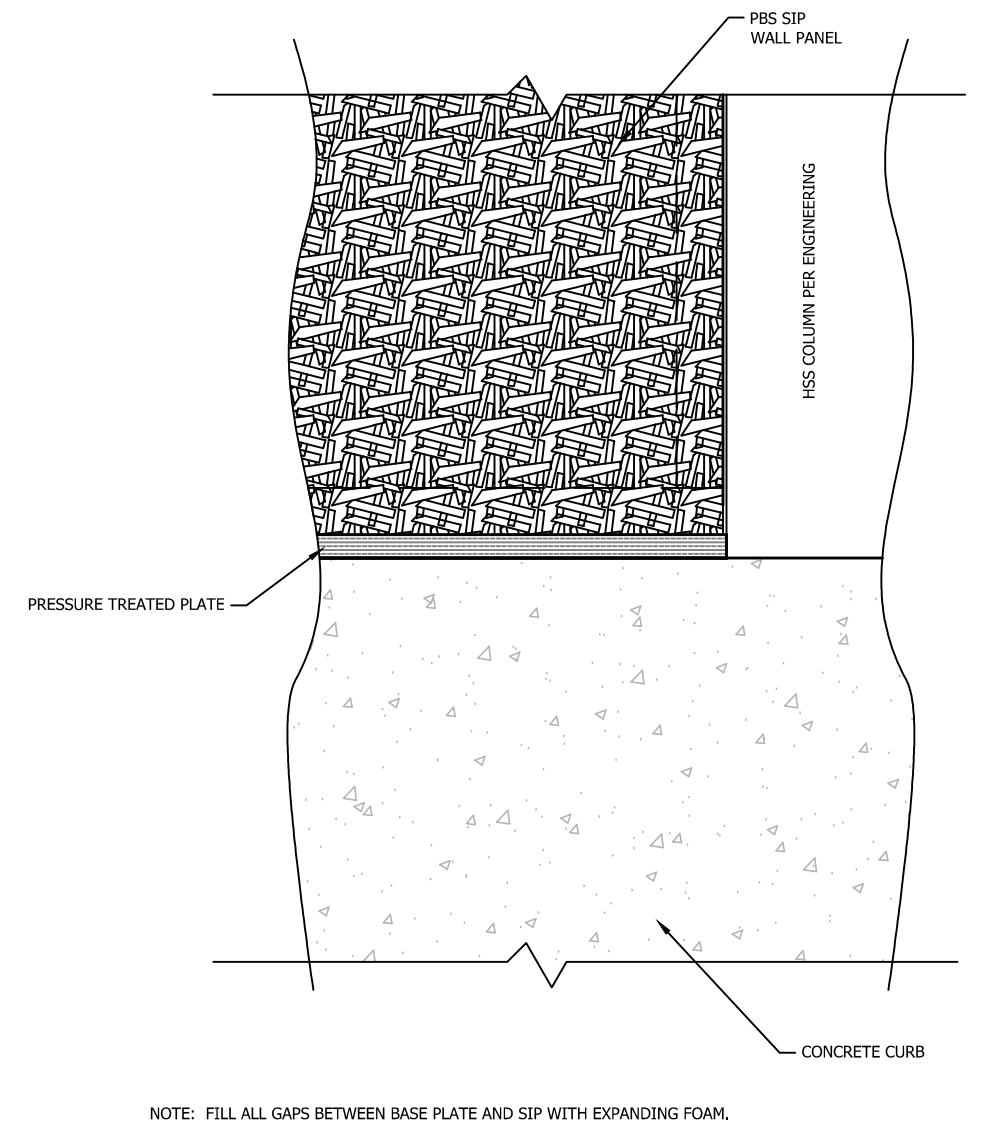
PBS-014 | SEALANT APPLICATION | PREMIER SIPS



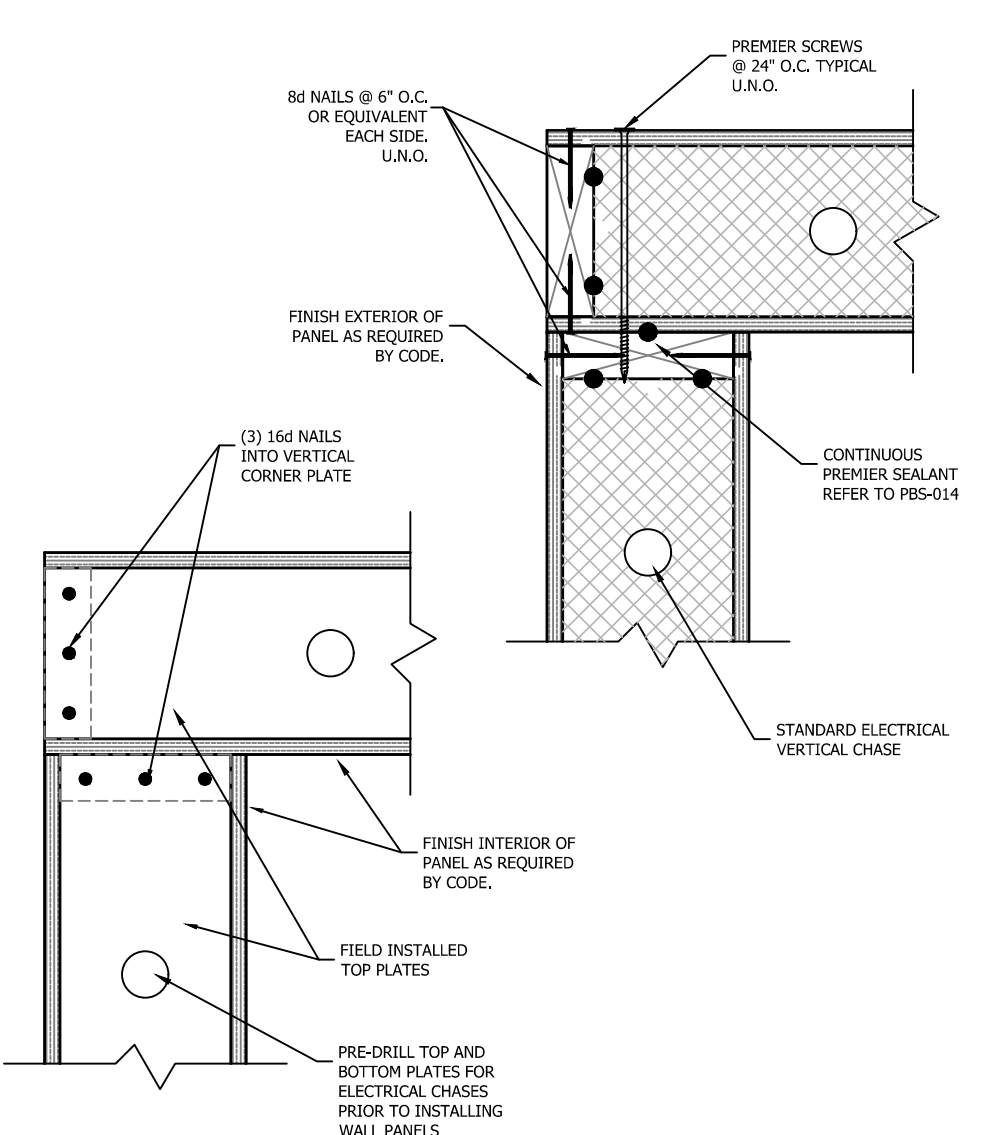
PBS-007 | DOUBLE 2x LUMBER SPLINE CONNECTION | PREMIER SIPS



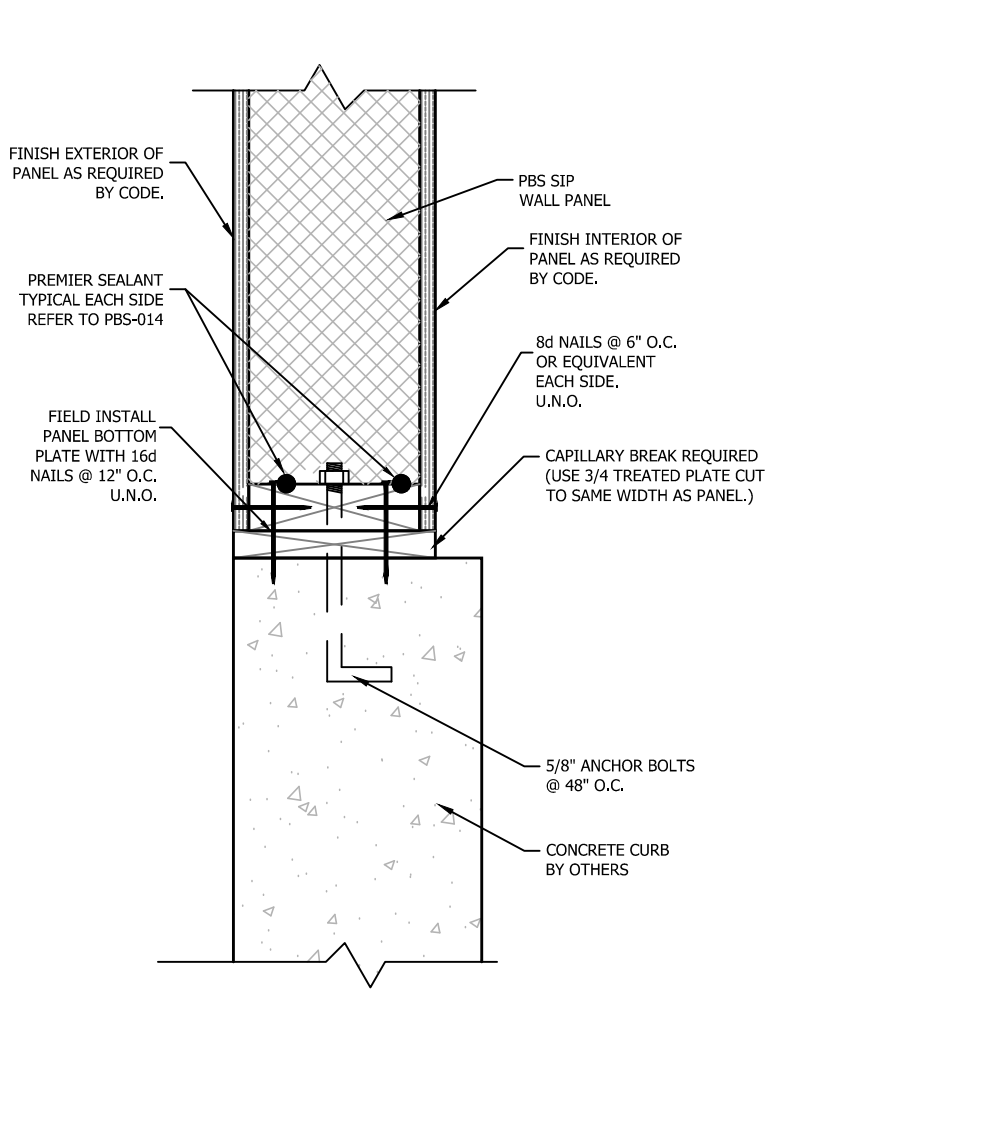
PBS-007d | TUBE STEEL COLUMN TO SIP CONNECTION | PREMIER SIPS



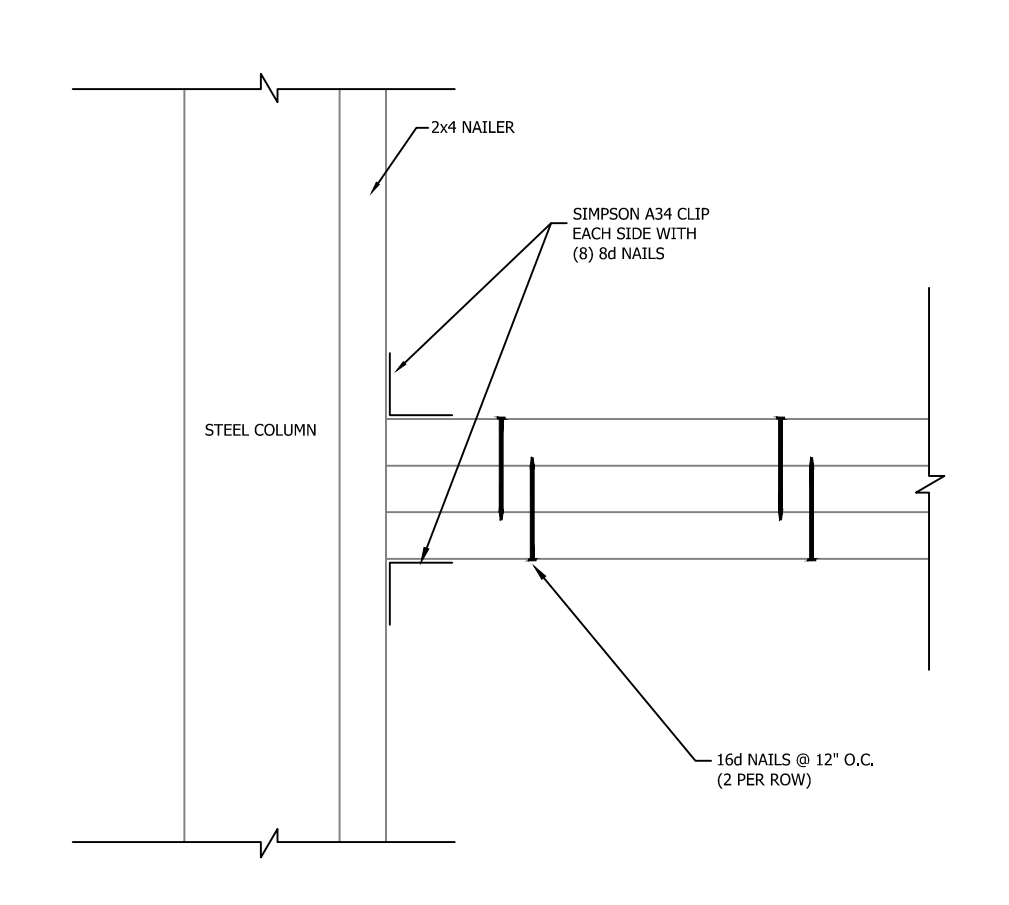
| SIP WALL TO COLUMN BASE PLATE DETAIL | PREMIER SIPS



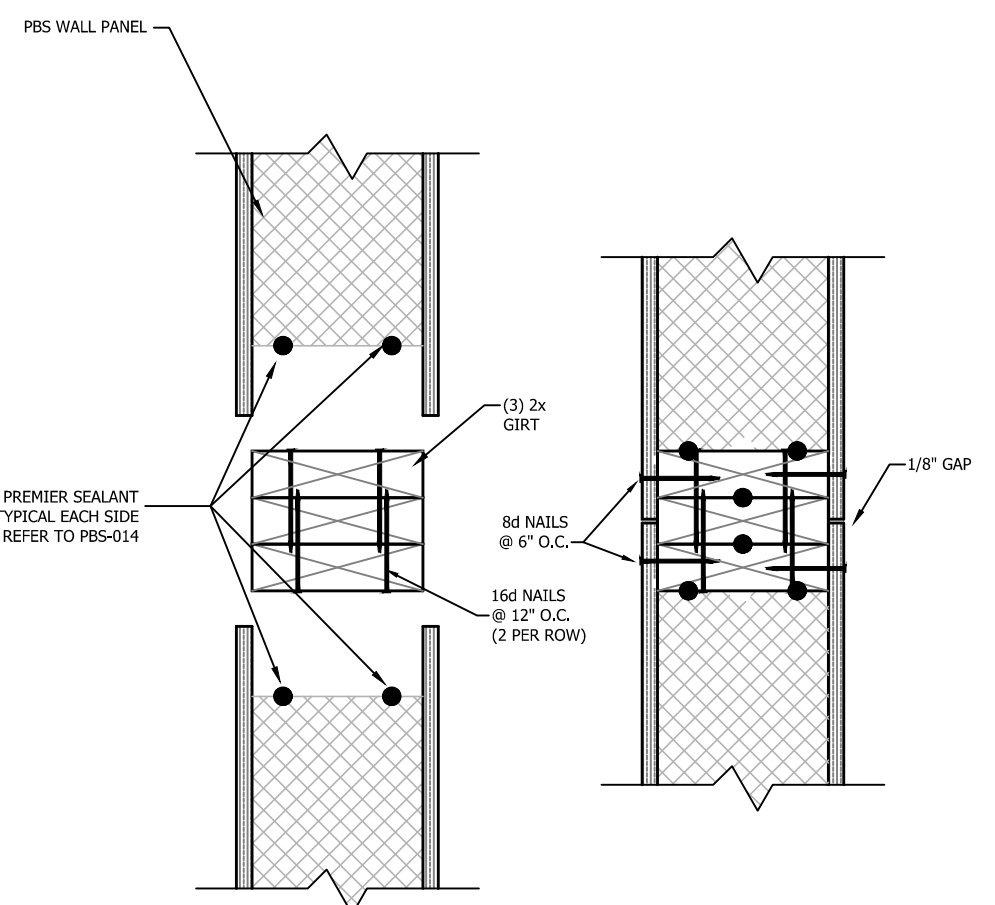
PBS-011 | WALL PANEL CORNER CONNECTION | PREMIER SIPS



PBS-103a | PLYWOOD CAPILLARY BREAK ON CONCRETE WALL | PREMIER SIPS



PBS-211f | 2x4 GIRT CONNECTION | PREMIER SIPS



PBS-211g | 2x4 GIRT NAILING | PREMIER SIPS

NOTE: STANDARD DETAILS PROVIDED FOR TYPICAL INSTALLATION METHODS. REFERENCE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR JOB SPECIFIC CONNECTION DETAILS, WHICH TAKE PRECEDENT OVER THESE DETAILS.

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		5.		

## TYPICAL PBS DETAILS

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SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

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University of California, Davis

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SHEET NO.	4 OF 5

## ITEMS SUPPLIED BY PREMIER

## ITEMS NOT SUPPLIED BY PREMIER

204 FT	Pressure treated plate: 0.75"x4.875" @ Various Lengths + 10%
64 EA	Lumber: 2x4x12'
545 FT	Lumber: 2x4 @ Various Lengths + 10%

SIP FRAMING ITEMS:

THIS IS A LIST OF FRAMING ITEMS PART OF A SIP; BASICALLY ANY LUMBER ITEMS INSTALLED WITHIN A SIP AS WELL AS ANY CAP AND SILL PLATES THAT ARE INSTALLED DIRECTLY ON TOP OF OR JUST BELOW A SIP WALL. ALL PLATE MATERIAL (TOP AND BOTTOM HORIZONTAL PIECES IN SIP WALLS & SUB-FASCIA IN SIP ROOFS) AS WELL AS ANY CUT LENGTHS LESS THAN OR EQUAL TO 9'-0" ARE ADDED UP USING THE FT (LINEAL FOOT) UNIT OF MEASURE. ANY PIECES OVER 9'-0" ARE QUANTIFIED USING THE EA (EACH) UNIT OF MEASURE (I.E. A 2X6 CORNER STUD CUT TO 11'-3" WOULD ADDED TO THE LIST AS 1 (2X6X12)). PLEASE KEEP IN MIND THAT UNLESS NOTED OTHERWISE THIS LIST IS EXACT AND THAT YOU WILL NEED TO ADD ADDITIONAL MATERIAL TO COMPENSATE FOR YIELD LOSS THAT OCCURS IN THE FIELD AS YOU CUT MATERIAL. THIS LIST IS INFORMATIVE ONLY AND PREMIER IS NOT RESPONSIBLE FOR ANY INACCURACIES WHATSOEVER.

REVIEWS:			
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## SIP FRAMING ITEMS

**CUSTOMER APPROVAL:** \_\_\_\_\_

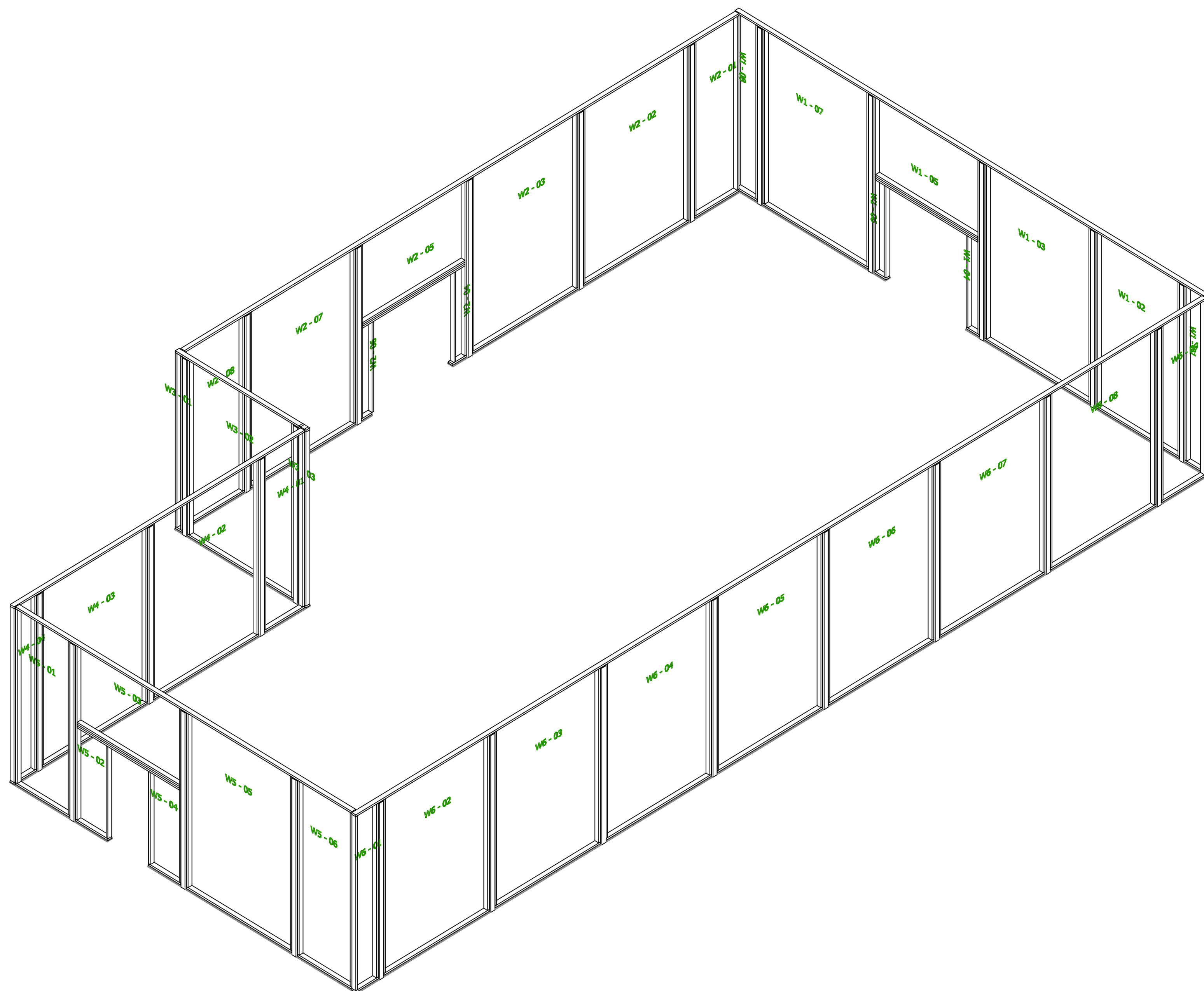
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SHEET NO. 5 OF 5	



## SIP Framing Items

(Items Part of a SIP Wall or Roof)