

CLIENT:



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GENERAL NOTES:

Read notes prior to the start of construction. These notes are an essential component to the plans. Do NOT REMOVE THIS SHEET.

MECHANICAL AND ELECTRICAL SERVICES:

MECHANICAL AND ELECTRICAL SERVICES SHALL BE LOCATED ON SITE BY OTHERS CLEARANCES AND INSTALLATION SHALL BE AS PER LOCAL CODE REQUIREMENTS.

CONCRETE DESIGN AND FOUNDATIONS:

FOUNDATION WALLS TO BE UNREINFORCED POURED CONCRETE, UNLESS NOTED MAX OTHERWISE (SEE DRAWINGS FOR TYPE AND THICKNESS). FOUNDATIONS WALLS TO EXTEND A MINIMUM 6" ABOVE FINISHED GRADE. CONCRETE FOOTINGS SHALL BEAR ON UNDISTURBED OR COMPACTED SOIL TO A MINIMUM DEPTH BELOW FROST PENETRATION OR TO LOCAL BY-LAWS. GRADE LINES SHOWN ON THESE PLANS ARE ASSUMED. MAXIMUM BACKFILL HEIGHT SHALL NOT EXCEED 7'-7", FOR THE SPECIFIED LATERALLY SUPPORTED. UNREINFORCED POURED CONCRETE FOUNDATION WALL, UNLESS NOTED OTHERWISE. WHERE WATER TABLE LEVELS ARE WITH-IN A DEPTH OF LESS THAN THE SPECIFIED FOOTING WIDTH BELOW THE BEARING SURFACE, (WHICH CONSIST OF GRAVEL, SAND OR SILT TYPE SOILS) THE FOOTING SHALL BE DOUBLED IN WIDTH UNDER WALLS AND DOUBLED IN AREA UNDER POST AS NOTED IN CONSTRUCTION DRAWINGS. CONFIRM ALL BUCK OPENINGS WITH WINDOW MANUFACTURER'S ROUGH OPENING SIZES PRIOR TO CONSTRUCTION (WHERE WINDOW AND DOOR OPENINGS ARE SHOWN IN CONCRETE TYPE WALLS).

POURED CONCRETE:

CONCRETE SHALL BE DESIGNED, MIXED, PLACED, CURED, AND TESTED IN ACCORDANCE WITH CAN/CSA-A438-00, "CONCRETE CONSTRUCTION FOR HOUSING AND SMALL BUILDINGS". THE COMPRESSIVE STRENGTH OF UNREINFORCED CONCRETE AFTER 28 DAYS SHALL NOT BE LESS THAN: 1.) 3600 psi (25 MPa) FOR INTERIOR FLOORS WHERE DAMPROOFING PROVIDED. 2.) 2900 psi (20 MPa) FOR FOUNDATION WALLS. COLUMNS, FOOTINGS, GRADE BEAMS, AND PIERS.

INSULATING CONCRETE FORMS: (WHERE APPLICABLE):

REINFORCING SHALL COMPLY WITH ARTICLE 9.15.4.5 AND SUBSECTION 9.20.17 OF THE NATIONAL BUILDING CODE OF CANADA (NBC), AND ADOPTED PROVINCIAL AMENDMENTS, OR APPLICABLE PROVINCIAL BUILDING CODE. FORM UNITS SHALL BE POLYSTYRENE CONFORMING TO CAN/ULC-S701, "THERMAL INSULATION, POLYSTYRENE, BOARDS AND PIPE COVERING", FOR TYPE 2.3 OR 4 POLYSTYRENE. FOR SINGLE DWELLING UNITS OF LIGHT-FRAME CONSTRUCTION NOT EXCEEDING TWO STOREYS IN BUILDING HEIGHT OR 9'-10" IN FLOOR TO FLOOR HEIGHT, THE: 1.) CONCRETE SHALL CONFORM TO CAN/CSA-A23.1, "CONCRETE MATERIALS AND METHODS OF CONCRETE CONSTRUCTION" WITH A MAXIMUM AGGREGATE SIZE OF 3/4". 2.) REINFORCING SHALL CONFORM TO CAN/CSA-G30.18-M, "BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT" WITH A MINIMUM SPECIFIED YIELD STRENGTH OF 400 MPa, AND LAPPED A MINIMUM 18" FOR 10M BARS AND 26" FOR 15M BARS. PARGING, DAMPPROOFING OR WATERPROOFING MATERIALS TO BE COMPATIBLE WITH POLYSTYRENE INSULATION (SEE MANUFACTURER'S SPECIFICATIONS). APPLY A 1/2" DRYWALL OR ANY OTHER SUITABLE THERMAL BARRIER ON WALLS EXPOSED TO ANY LIVING SPACE FOR A CONTINUOUS FIRE RETARDANT SEAL - EDGES TAPED AND SANDED. SEE MANUFACTURER'S

DIMENSIONS:

EXTERIOR OVERALL DIMENSIONS ARE TO OUTSIDE FACE OF FOUNDATION WALLS / EXTERIOR WALL STUDS, UNLESS NOTED OTHERWISE. EXTERIOR DIMENSIONS TO OPENINGS ARE TO CENTRE OF THE OPENING. EXTERIOR DIMENSIONS TO INTERIOR WALL INTERSECTIONS ARE TO CENTRE LINE OF THE INTERSECTING STUD. INTERIOR DIMENSIONS ARE TO CENTER OF WALL STUDS, AND TO OUTSIDE OF STUD FACE AT EXTERIOR WALLS. OUTSIDE FACE OF FOUNDATION WALL(S) ARE OFFSET 1 1/2" FROM STUD FACE ABOVE, UNLESS NOTED OTHERWISE.

ALARMS & DETECTORS:

SUFFICIENT SMOKE ALARMS SHALL BE INSTALLED SO THAT THERE IS AT LEAST ONE SMOKE ALARM ON EACH FLOOR LEVEL, INCLUDING BASEMENTS, AND EACH FLOOR LEVEL THAT IS 900mm (2'-11") OR MORE ABOVE OR BELOW AN ADJACENT FLOOR LEVEL. A SMOKE ALARM SHALL BE INSTALLED IN EVERY BEDROOM (SLEEPING ROOM) AND IN A LOCATION BETWEEN SLEEPING ROOMS AND THE REMAINDER OF THE STOREY, AND IF THE SLEEPING ROOMS ARE SERVED BY A HALLWAY, A SMOKE ALARM SHALL BE LOCATED IN THE HALLWAY. A CARBON MONOXIDE DETECTOR SHALL BE INSTALLED ADJACENT TO EACH SLEEPING AREA AND ON EACH LEVEL THAT CONTAINS A SLEEPING AREA. ALARMS AND DETECTORS SHALL BE PERMANENTLY CONNECTED TO AN ELECTRICAL CIRCUIT AND BE INTERCONNECTED SO THAT THE ACTIVATION OF ONE ALARM OR DETECTOR WILL CAUSE ALL ALARMS OR DETECTORS WITHIN THE DWELLING TO SOUND.

WOOD FRAMING:

ALL WOOD FRAME CONSTRUCTION SHALL COMPLY WITH SECTION 9.23 OF THE NATIONAL BUILDING CODE OF CANADA (NBC), AND ADOPTED PROVINCIAL AMENDMENTS, OR APPLICABLE PROVINCIAL BUILDING CODE. ALL STRUCTURAL (LOAD BEARING) FRAMING LUMBER SHALL BE GRADE-STAMPED AS SPRUCE-PINE-FIR (S-P-F) No. 2 OR BETTER WITH A MOISTURE CONTENT OF 19% OR LESS AT TIME OF CONSTRUCTION. WOOD FRAME MEMBERS WHICH ARE NOT PRESSURE-TREATED WITH A WOOD PRESERVATIVE AND BEAR ON CONCRETE IN DIRECT CONTACT WITH THE GROUND SHALL BE SEPARATED FROM THE CONCRETE WITH 6 MIL. POLY OR TYPE "S" ROLL ROOFING. FLOOR: (WHERE APPLICABLE) PLYWOOD SUBFLOORING SHALL HAVE TONGUE AND GROOVE EDGE SUPPORTS, AND BE INSTALLED WITH THE SURFACE GRAIN AT RIGHT ANGLES TO THE FLOOR JOISTS. SUBFLOOR TO BE GLUED WHERE POSSIBLE, AND NAILED WITH 2" NAILS EVERY 6" ALONG THE EDGES, AND 12" ALONG THE INTERMEDIATE SUPPORTS, UNLESS NOTED OTHERWISE. ADHESIVE FOR FIELD-GLUED FLOORS TO COMPLY WITH CGSB STANDARD CAN-CGSB-71.26-M88, "ADHESIVE FOR FIELD-GLUEING PLYWOOD TO LUMBER FRAMING FOR FLOOR SYSTEM".

ROOF:

PLYWOOD ROOF SHEATHING SHALL BE INSTALLED WITH THE SURFACE GRAIN AT RIGHT ANGLES TO THE ROOF FRAMING. JOINTS PERPENDICULAR TO ROOF RIDGE SHALL BE STAGGERED, WITH EDGES SUPPORTED ON TRUSSES, EDGES PARALLEL TO ROOF RIDGE SHALL BE SUPPORTED BY METAL "H" CLIPS IN EACH TRUSS SPACE.

WOOD PRESERVATIVES:

ALL EXPOSED EXTERIOR STRUCTURAL WOOD ELEMENTS SHALL BE PRESSURE-TREATED WITH A PRESERVATIVE TO RESIST DECAY, UNLESS NOTED OTHERWISE. FIELD CUTS IN PRESSURE TREATED WOOD SHALL BE PROTECTED WITH A FIELD USE PRESERVATIVE, BRUSHED OR DIPPED ON EXPOSED END. ALL FASTENERS USED IN CONTACT WITH PRESSURE-TREATED WOOD SHALL BE EITHER HOT-DIPPED GALVANIZED, STAINLESS STEEL, OR MANUFACTURER'S EQUIVALENT.

ENERGY EFFICIENCY:

THE DESIGN OF THESE PLANS ARE FOR A RESIDENTIAL OCCUPANCY, INTENDED FOR USE ON A CONTINUING BASIS DURING THE WINTER MONTHS. ALL DOORS THAT SEPARATE HEATED SPACE FROM UNHEATED SPACE SHALL HAVE A THERMAL RESISTANCE OF NOT LESS THAN RSI 0.7 (R 4)

INSULATION:

ALL WALLS, CEILINGS, AND FLOORS SEPARATING HEATED SPACE FROM UNHEATED SPACE SHALL BE INSULATED. SPECIFIED THERMAL RESISTANCE OF INSULATION FOR THIS DESIGN AND CONSTRUCTION DRAWING ARE NOTED ON THE PLANS. CHECK WITH LOCAL AUTHORITIES TO CONFIRM YOUR MINIMUM THERMAL TYP. RESISTANCE WITH THE TYPE OF HEATING SYSTEM TO BE USED.

PRE-ENGINEERED TRUSSES AND JOISTS: (WHERE APPLICABLE):

PRE-ENGINEERED TRUSSES AND JOISTS (WHERE SHOWN) ARE FOR REFERENCE ONLY. LAYOUT TO BE CONFIRMED BY MANUFACTURER. PRIOR TO THE START OF CONSTRUCTION. PRE-ENGINEERED TRUSSES AND JOISTS TO BE ENGINEERED. INSTALLED, BRACED AND CONNECTED PER MANUFACTURER'S SPECIFICATIONS. NEVER CUT, NOTCH OR DRILL A PRE-ENGINEERED TRUSS OR JOIST TO OBTAIN A SPACE, UNLESS ACCOMMODATED FOR IN MANUFACTURER'S DESIGN.

BATHROOM(S): (where applicable):

PROVIDE MOISTURE RESISTANT DRYWALL TO PERIMETER OF INTERIOR BATHROOM WALLS AND CEILING. WHERE CEILING JOIST OR TRUSS SPACING IS GREATER THAN 12", PROVIDE STRAPPING TO CEILING AT 12" O/C. TUB(S) SHOWN ON PLANS TO BE A ONE PIECE TUB / SHOWER UNIT, UNLESS NOTED OTHERWISE. STUD WALLS ADJACENT TO WATER CLOSETS, SHOWERS OR BATHTUBS SHALL BE REINFORCED WITH 2x8 SOLID BLOCKING TO PERMIT FUTURE INSTALLATION OF GRAB BARS.

VENTILATION:

VENTING TO BE UNIFORMLY DISTRIBUTED ON OPPOSITE SIDES OF THE BUILDING FOR CROSS VENTILATION. VENTS SHALL BE DESIGNED TO PREVENT THE ENTRY OF SNOW, RAIN OR INSECTS.

ROOF:

ROOF TO BE EQUALLY VENTILATED BETWEEN SOFFIT AND TOP OF ROOF SPACE WITH VENTED SOFFITS, ROOF OR GABLE VENTS.

LEGEND:

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SMOKE ALARM		BUILT UP STUD POST
	CARBON MONOXIDE DETECTOR		
	EXHAUST FAN		

DESIGN LOADS CRITERIA:

CLIMATIC DATA LOCATION: BRAMPTON, ONTARIO. THIS CONSTRUCTION DRAWING HAS BEEN DESIGNED WITH THE FOLLOWING SPECIFIED LOADS:

	LIVE LOAD	DEAD LOAD	TOTAL LOAD
ROOF LOAD	25 P.S.F	15 P.S.F	40 P.S.F
FLOOR LOAD	40 P.S.F	12 P.S.F	52 P.S.F

WIND LOAD (q 1/50) = 0.44 kPa (9.19 P.S.F)
SEISMIC LOAD Sa (0.2) = 0.168
ASSUMED SOIL EQUIVALENT FLUID DENSITY = 480kg/m3
MINIMUM ALLOWABLE SOIL BEARING CAPACITY TO BE 10.9 psi (75 kPa).
CHECK WITH LOCAL AUTHORITIES TO CONFIRM YOUR SPECIFIED DESIGN LOADS.



5711 McLeod Rd,
Niagara Falls, ON
L2G 3E5

Atella one (374 sq. ft.)

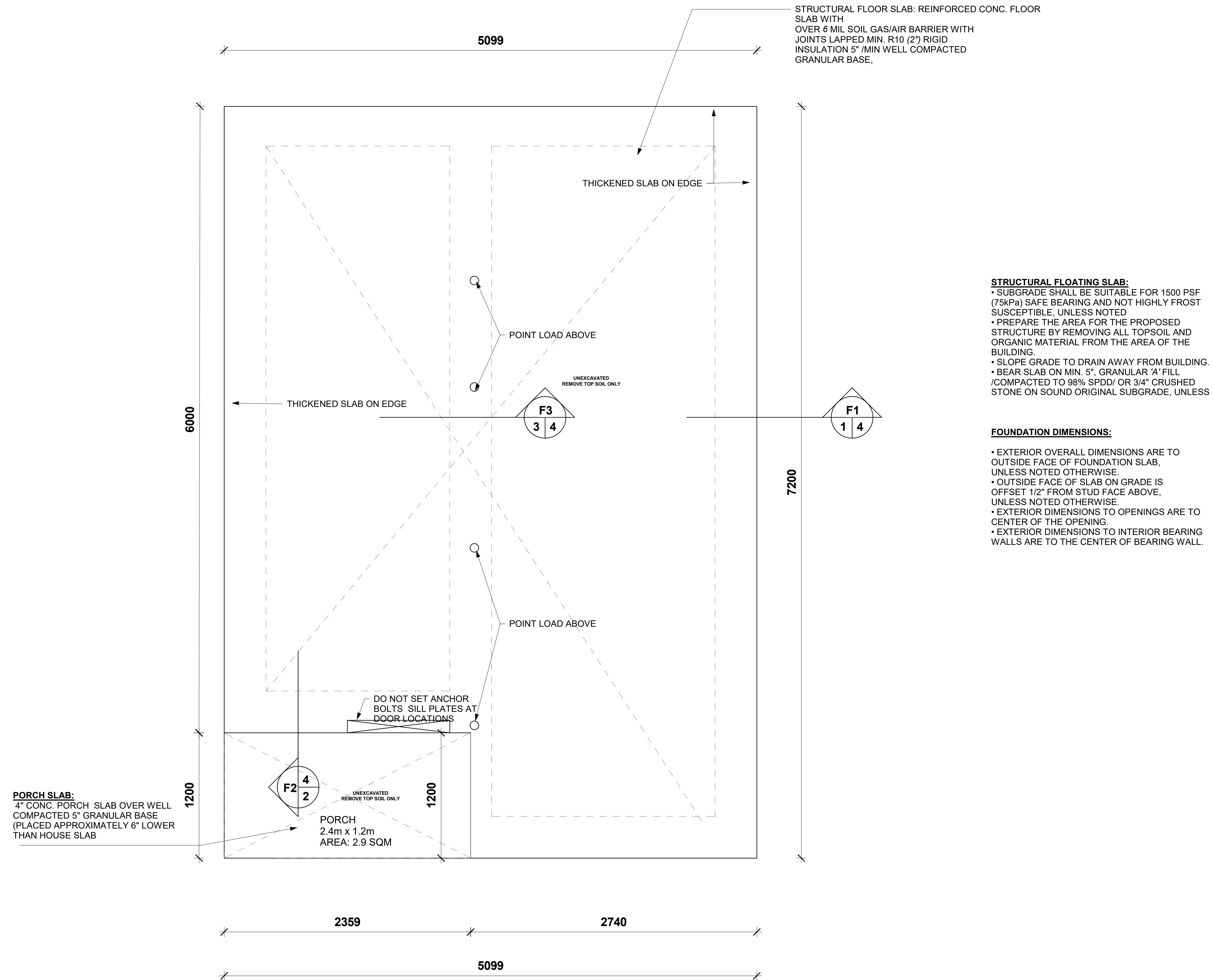
Construction Notes

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STRUCTURAL FLOATING SLAB:

- SUBGRADE SHALL BE SUITABLE FOR 1500 PSF (75kPa) SAFE BEARING AND NOT HIGHLY FROST SUSCEPTIBLE, UNLESS NOTED
- PREPARE THE AREA FOR THE PROPOSED STRUCTURE BY REMOVING ALL TOPSOIL AND ORGANIC MATERIAL FROM THE AREA OF THE BUILDING.
- SLOPE GRADE TO DRAIN AWAY FROM BUILDING.
- BEAR SLAB ON MIN. 5" GRANULAR 'A' FILL /COMPACTED TO 98% SPDD/ OR 3/4" CRUSHED STONE ON SOUND ORIGINAL SUBGRADE, UNLESS

FOUNDATION DIMENSIONS:

- EXTERIOR OVERALL DIMENSIONS ARE TO OUTSIDE FACE OF FOUNDATION SLAB, UNLESS NOTED OTHERWISE.
- OUTSIDE FACE OF SLAB ON GRADE IS OFFSET 1/2" FROM STUD FACE ABOVE, UNLESS NOTED OTHERWISE.
- EXTERIOR DIMENSIONS TO OPENINGS ARE TO CENTER OF THE OPENING.
- EXTERIOR DIMENSIONS TO INTERIOR BEARING WALLS ARE TO THE CENTER OF BEARING WALL.

① SLAB ON GRADE PLAN
1 : 20



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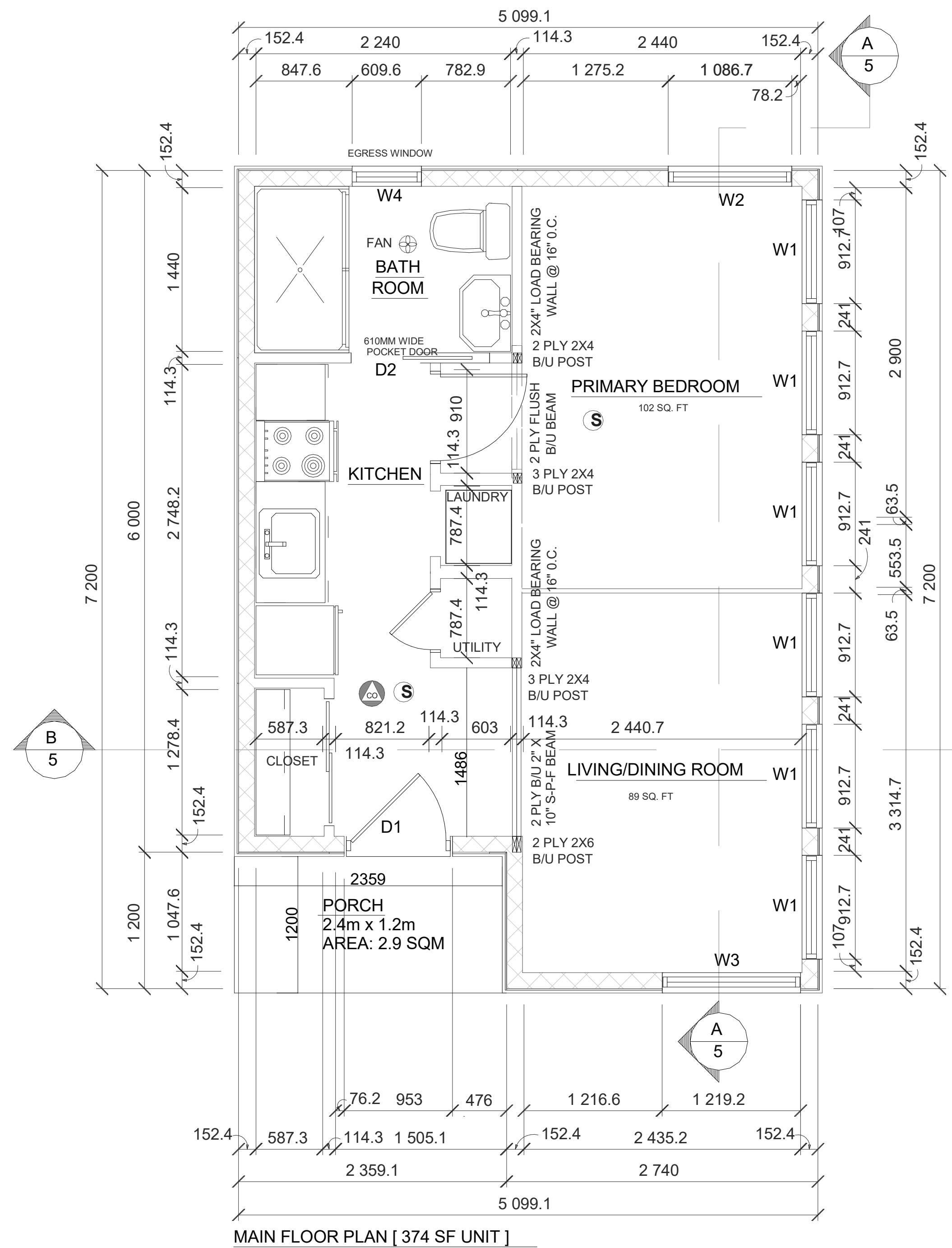
Atella one (374 sq. ft.)
SLAB ON GRADE
PLAN

Project number	Project Number
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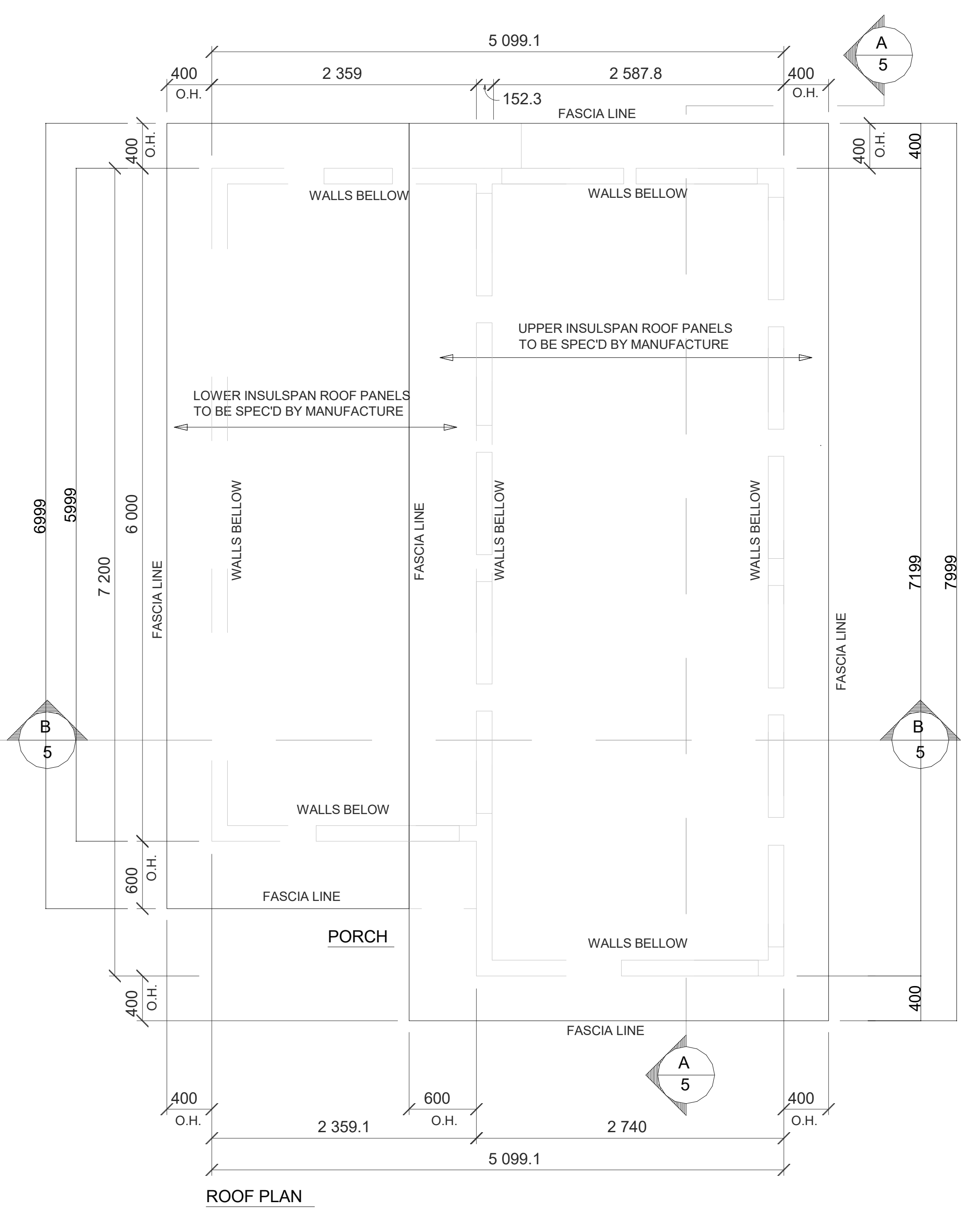
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MAIN FLOOR PLAN [374 SF UNIT]



ROOF PLAN

MAIN FLOOR DIMENSIONS:

- EXTERIOR OVERALL DIMENSIONS ARE TO OUTSIDE FACE OF WALL STUDS, UNLESS NOTED OTHERWISE.
- EXTERIOR DIMENSIONS TO OPENINGS ARE TO CENTER OF THE OPENING.
- EXTERIOR DIMENSIONS TO INTERIOR WALL INTERSECTIONS ARE TO THE CENTER OF INTERSECTING STUD.
- INTERIOR DIMENSIONS ARE TO CENTER OF INTERIOR WALL STUDS, AND OUTSIDE FACE OF EXTERIOR WALL STUDS.

WOOD FRAMING:

LINTEL(S):

- ALL EXTERIOR LINTELS TO BE MINIMUM (2) PLY 2x10 CW 2x4 DRYWALL NAILER AND PLYWOOD FILLERS BETWEEN EACH PLY, UNLESS NOTED OTHERWISE.
- ALL INTERIOR LINTELS IN BEARING WALL(S) TO BE MINIMUM (2) PLY 2x6, UNLESS NOTED OTHERWISE.

POST(S):

- ALL BUILT-UP STUD POSTS SHOWN, TO BE MINIMUM (3) PLY 2x6 OR 2x4 RESPECTIVE TO WALL SIZE, UNLESS NOTED OTHERWISE.
- PROVIDE SOLID BLOCKING THE FULL WIDTH OF THE SUPPORTED MEMBER UNDER ALL CONCENTRATED LOADS.
- PROVIDE A SINGLE JACK STUD FOR EACH SIDE OF WINDOW AND DOOR OPENINGS, UNLESS SHOWN AND NOTED OTHERWISE.

FLOOR ABOVE:

- T&G SUBFLOOR TO BE GLUED (WHERE POSSIBLE) AND NAILED WITH 2" NAILS EVERY 6" ALONG THE EDGES AND 12" ALONG THE INTERMEDIATE SUPPORTS, UNLESS NOTED OTHERWISE.
- ALL BEAMS SUPPORTING THE FLOOR SYSTEM ABOVE TO BE DROPPED TO U/S OF JOISTS, UNLESS NOTED OTHERWISE.
- PRE-ENGINEERED JOISTS AND BEAMS (WHERE SHOWN) ARE FOR REFERENCE ONLY. LAYOUT TO BE CONFIRMED BY MANUFACTURER, PRIOR TO THE START OF CONSTRUCTION.
- PRE-ENGINEERED JOISTS TO BE ENGINEERED, INSTALLED, BRACED AND CONNECTED PER MANUFACTURER'S SPECIFICATIONS.

WALL(S):

- ALL INTERIOR LOADBEARING WALL(S) (WHERE SHOWN) AND EXTERIOR WALLS TO BE 2x6 STUDS, UNLESS NOTED OTHERWISE.
- ALL INTERIOR NON-LOADBEARING WALL STUDS TO BE 2x4, UNLESS NOTED OTHERWISE.
- TOP OF WALLS ARE AT 9'-1" FROM TOP OF SUBFLOOR, UNLESS NOTED OTHERWISE.



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L2G 3E5

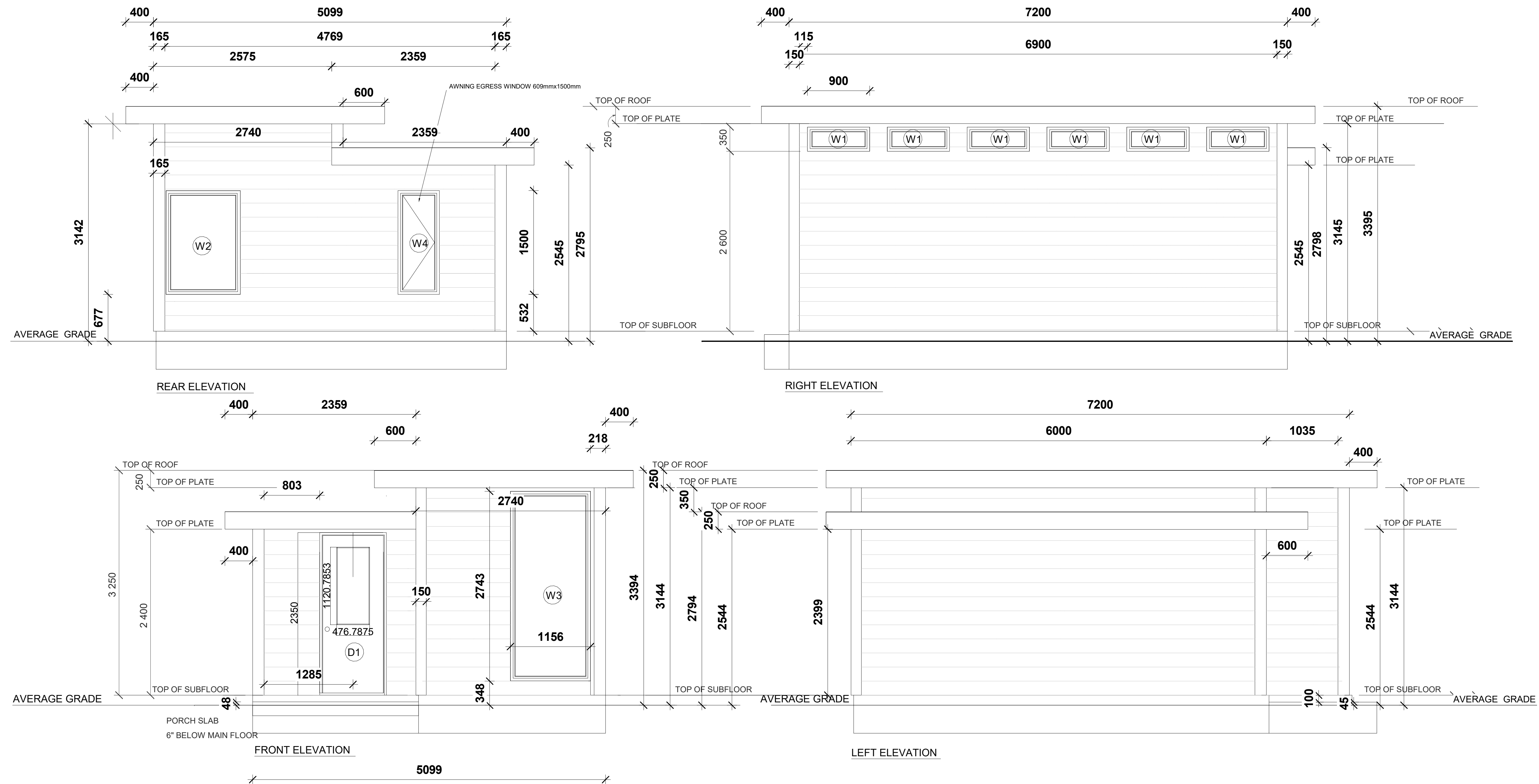
Atella one (374 sq. ft.)
Floor and roof plans

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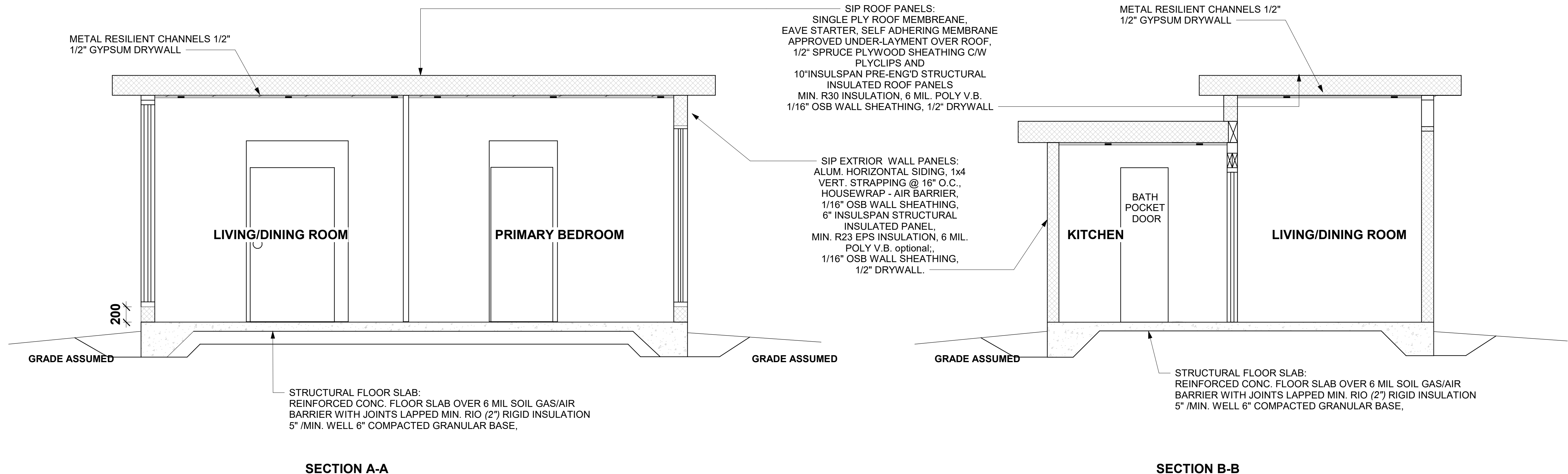
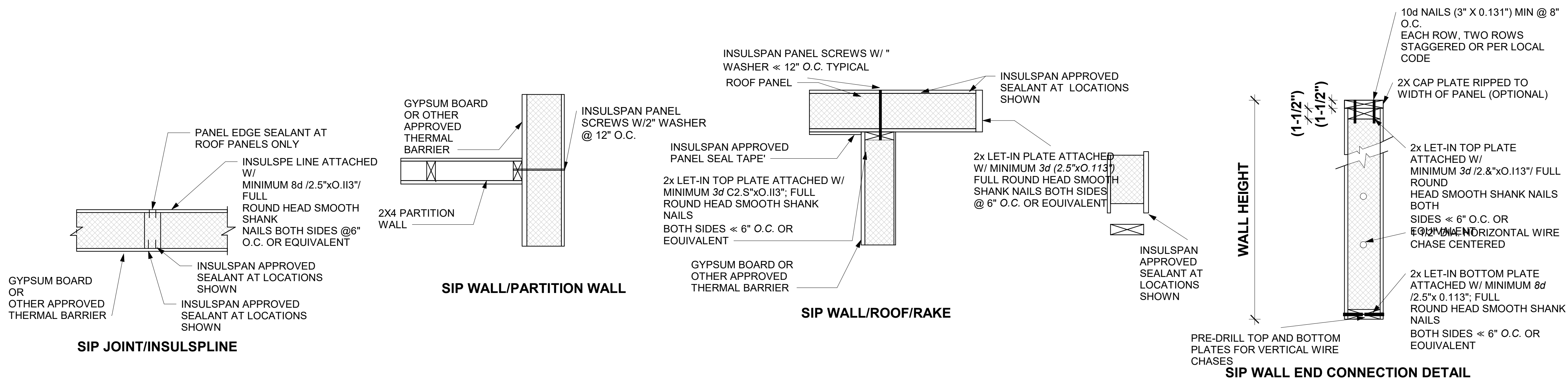
Atella one (374 sq. ft.)
Elevations

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1 SECTIONS
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Atella one (374 sq. ft.)
SECTIONS

Project number	Project Number
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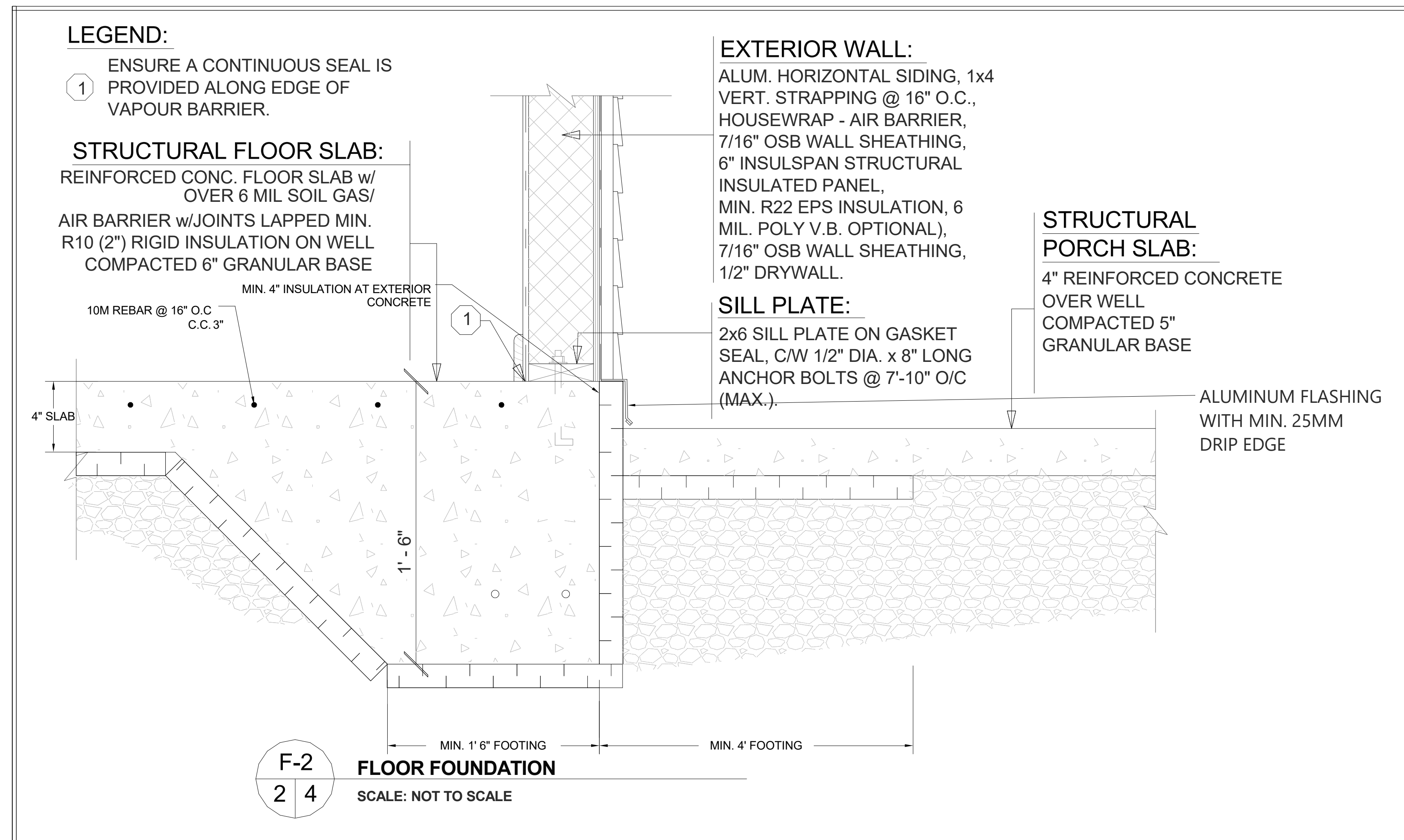
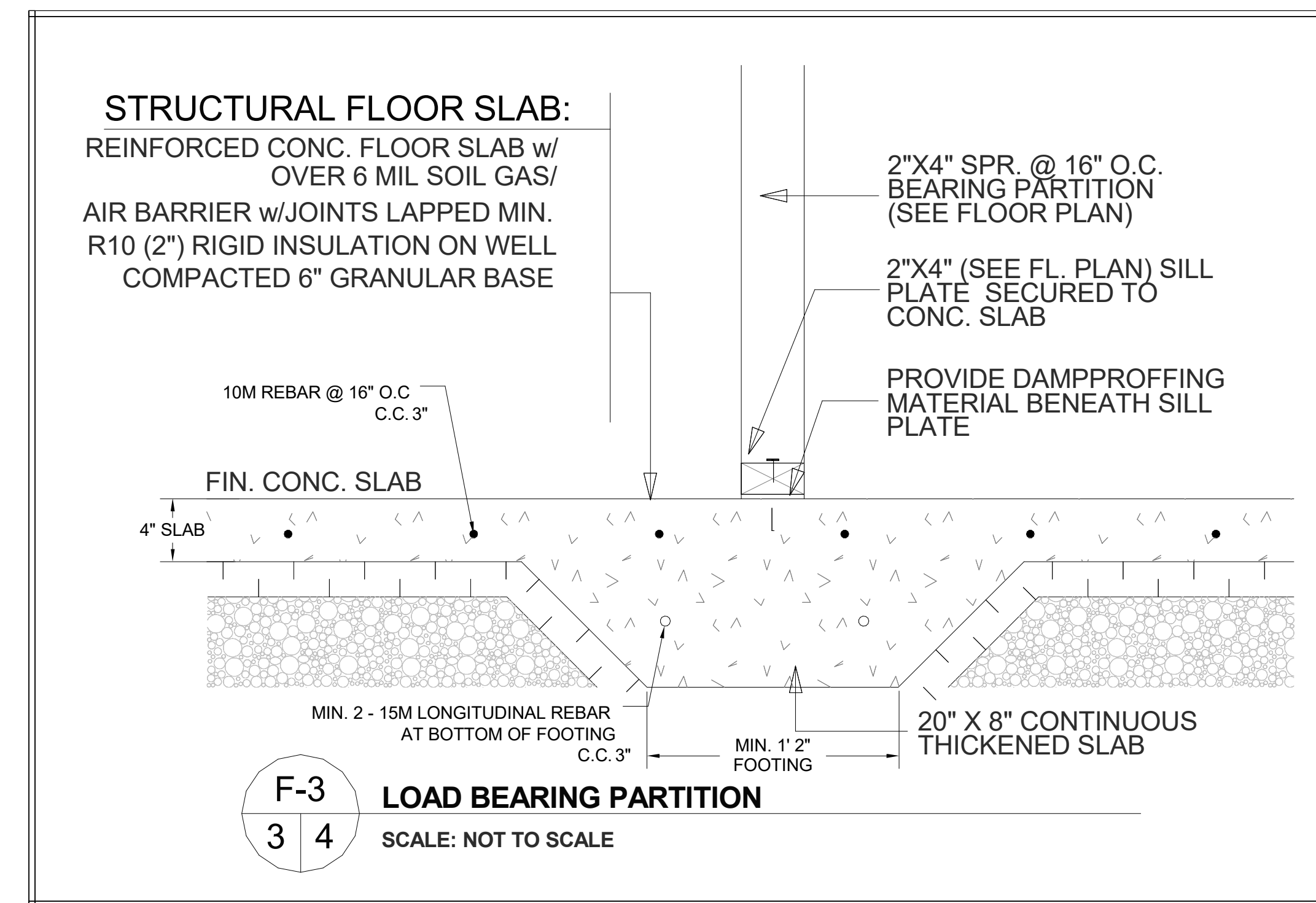
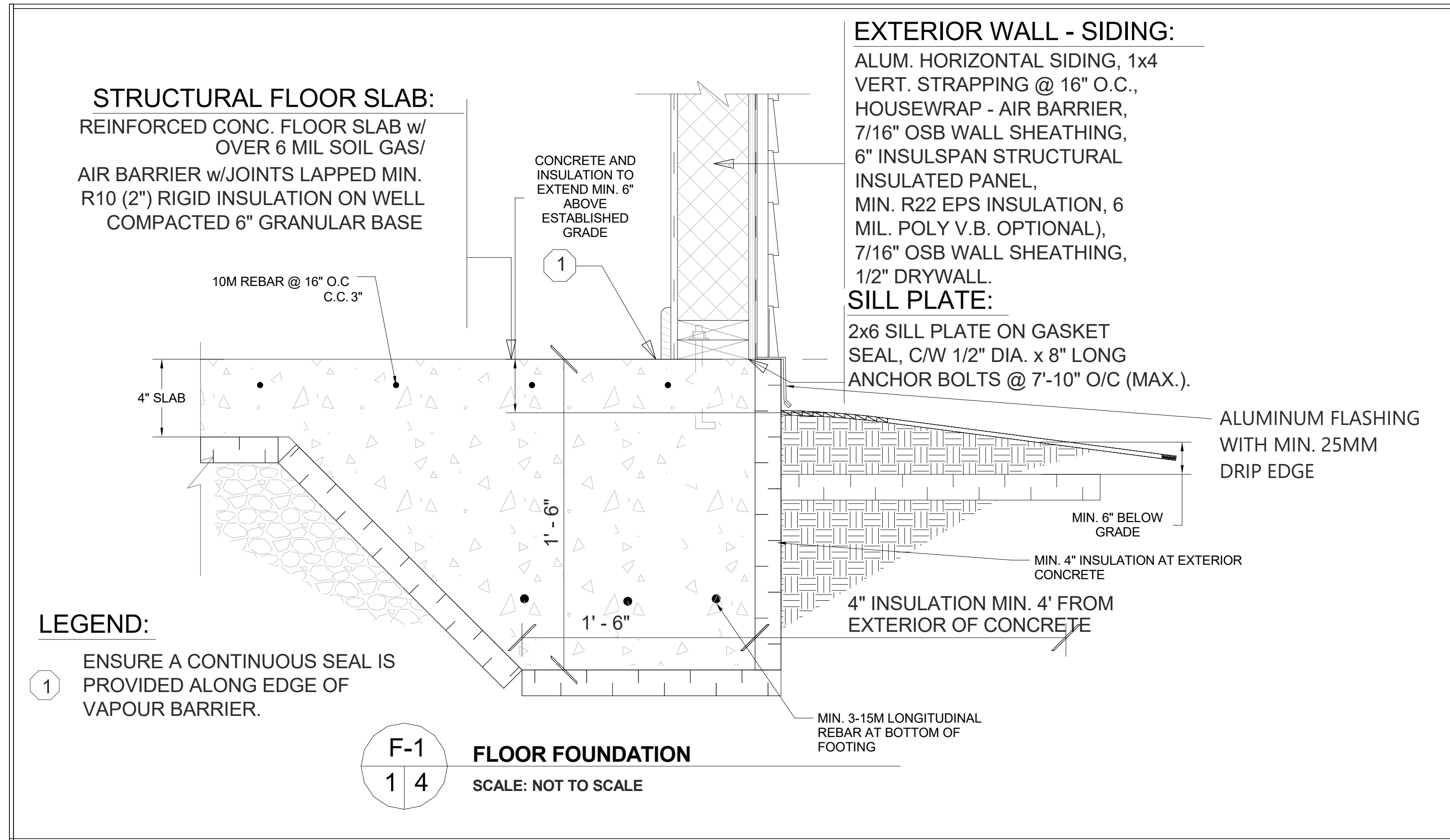
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Atella one (374 sq. ft.)
DETAILS

Project number	Project Number
Date	Issue Date
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GENERAL / STANDARD NOTES

BEFORE INSTALLATION OF YOUR INSULSPAN PANELS, INSULSPAN REQUIRES THAT YOU ARE FAMILIAR WITH THE PROVIDED INSULSPAN INSTALLATION AND CONSTRUCTION GUIDE.

INSULSPAN MAKES EVERY EFFORT TO SUPPLY COMPLETE PANEL LAYOUT DRAWINGS FROM THE ORIGINAL ARCHITECTURAL AND/OR STRUCTURAL DRAWINGS PROVIDED TO US. IT IS THE RESPONSIBILITY OF THE CONTRACTOR OR OWNER TO CHECK AND VERIFY ALL DIMENSIONS, NOTES AND DETAILS ON THE PANEL DRAWINGS FOR COMPATIBILITY WITH THE ARCHITECTURALS AND OTHER CONSULTANTS' DRAWINGS AND EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK.

THE CONTRACTOR ASSUMES RESPONSIBILITY FOR COORDINATING THE VARIOUS OTHER CONSTRUCTION DOCUMENTS WITH THE CURRENT INSULSPAN PANEL LAYOUT DRAWINGS TO ASSURE CODE COMPLIANCE AND CORRECTNESS OF WORK.

THE CONTRACTOR IS ALSO RESPONSIBLE FOR OBTAINING FINAL COMMENTS AND APPROVAL FROM ALL LOCAL GOVERNING AGENCIES.

BY USE OF THESE DOCUMENTS, THE OWNER AND THE CONTRACTOR CERTIFY THAT THEY HAVE REVIEWED THEM AND ARE IN AGREEMENT WITH THEIR CONTENT.

SHOULD ANY DISCREPANCIES OR OMISSIONS BE FOUND, IT IS UP TO THE CONTRACTOR OR OWNER TO NOTIFY AN INSULSPAN REPRESENTATIVE (IN WRITING) AS SOON AS POSSIBLE SO THAT CORRECTIONS CAN BE MADE.

FURTHERMORE, THE CONTRACTOR OR OWNER SHALL NOTIFY INSULSPAN (IN WRITING) OF ALL CHANGES TO SITE AND FIELD CONDITIONS PRIOR TO THE START OF PANEL FABRICATION.

IT IS UP TO THE CONTRACTOR OR OWNER TO PROVIDE A LEVEL AND SQUARE FOUNDATION TO ENSURE A GOOD FIT OF THE INSULSPAN PANELS. INSULSPAN DOES NOT ASSUME RESPONSIBILITY FOR ANY VARIANCES FROM THE FINAL SIGNED PANEL DRAWINGS AND SPECIFICATIONS OR ADJUSTMENTS REQUIRED RESULTING FROM THE CONDITIONS ENCOUNTERED ON THE JOB SITE, AND IS THE SOLE RESPONSIBILITY OF THE OWNER OR CONTRACTOR.

INSULSPAN PANEL SHOP DRAWINGS ARE TO BE USED TO DESIGNATE PLACEMENT AND INSTALLATION OF THE INSULSPAN PANEL SYSTEM. THIS INCLUDES ASSOCIATED ASSEMBLY DETAILS, COPROFITS, ACCESSORIES AND SPECIFICATIONS FOR A COMPLETE INSTALLATION. THESE DRAWINGS EXCLUDE ANY DESIGN OF SITE, FOUNDATION, MECHANICAL, ELECTRICAL OR PLUMBING AND ARE NOT A REPLACEMENT FOR ARCHITECTURAL OR STRUCTURAL DRAWINGS.

ALL WRITTEN DIMENSIONS SHOWN ON PLANS, SECTIONS AND DETAILS TAKE PRECEDENCE OVER SCALED DRAWINGS.

THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY BRACING REQUIRED FOR STRUCTURAL STABILITY AND FOR CONSTRUCTION LOADING UNTIL THE PROJECT IS COMPLETED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS DURING CONSTRUCTION AND SHALL ENSURE COMPLIANCE TO CURRENT AND LOCAL REGULATIONS.

PANEL SCREWS @ 12" O.C. W/ 1-1/2" MIN. PENETRATION INTO STRUCTURAL SUPPORT (U.N.O.).

PANEL SCREWS ARE 0.190" DIA. W/ 2 3/4" THREAD LENGTH MANUFACTURED BY TRUFAST

FOR MATERIAL SPECIFICATIONS ON SIPs REFER TO ICC-ES ESR-1296 DATED SEP. 3, 2009 FOR THE UNITED STATES, CFC REPORT 1806-R DATED DEC. 3, 2016 FOR CANADA. REPORTS ARE AVAILABLE AT: WWW.INSULSPAN.COM

DRAWING SYMBOLS AND COLOR CODES

- PANEL OUTLINE (TOP SKIN)
- DIMENSIONAL LUMBER
- ELECTRICAL WIRE CHASE (W.C.)
- WALL PANEL ELEVATION REFERENCE
- DETAIL NO. BUILDING / WALL SECTION / DETAIL REFERENCE
- DOWN SLOPE DIRECTION

HA01 = HALL ELEVATION "A" PANEL NUMBER
FO4 = FLOOR PANEL NUMBER
RA01 = ROOF PLANE "A" PANEL NUMBER
NSBI = NOT SUPPLIED BY INSULSPAN

PANEL DESIGN CRITERIA

	EPS CORE WIDTH	OSB WIDTH	R-VALUE	BORATE
WALL	6 1/2"	5 7/8"	7"	23.2 NO
ROOF	10 1/2"	9 3/8"	8"	37.8 NO

PROJECT DESIGN LOADS

2012 ONTARIO BUILDING CODE
BASED ON BRAMPTON, ON

SNOW LOAD, kPa, $s_s = 1.3$ $s_r = 0.4$

HOURLY WIND PRESSURE, kPa, $w_h = 0.34$ $w_r = 0.44$

ROOF DESIGN: LL = 25psf DL = 15psf

FLOOR DESIGN: LL = 40psf DL = 12psf

SEISMIC SITE CLASS: D
 $S_s(0.2) = 0.168$ $S_u(1.0) = X$
 $S_s(0.5) = X$ $S_u(2.0) = X$

PGA = X

RESIDENCE VENTILATION NOTE:

A MECHANICAL VENTILATION SYSTEM IS REQUIRED TO PROVIDE AIR MOVEMENT AND REMOVE HUMIDITY. EXCESS HUMIDITY IN THE HOME COULD RESULT IN A BUILD UP OF WATER VAPOR IN UNWANTED AREAS CAUSING SEVERE DAMAGE TO THE STRUCTURAL INSULATED PANEL OR OTHER BUILDING MATERIALS.

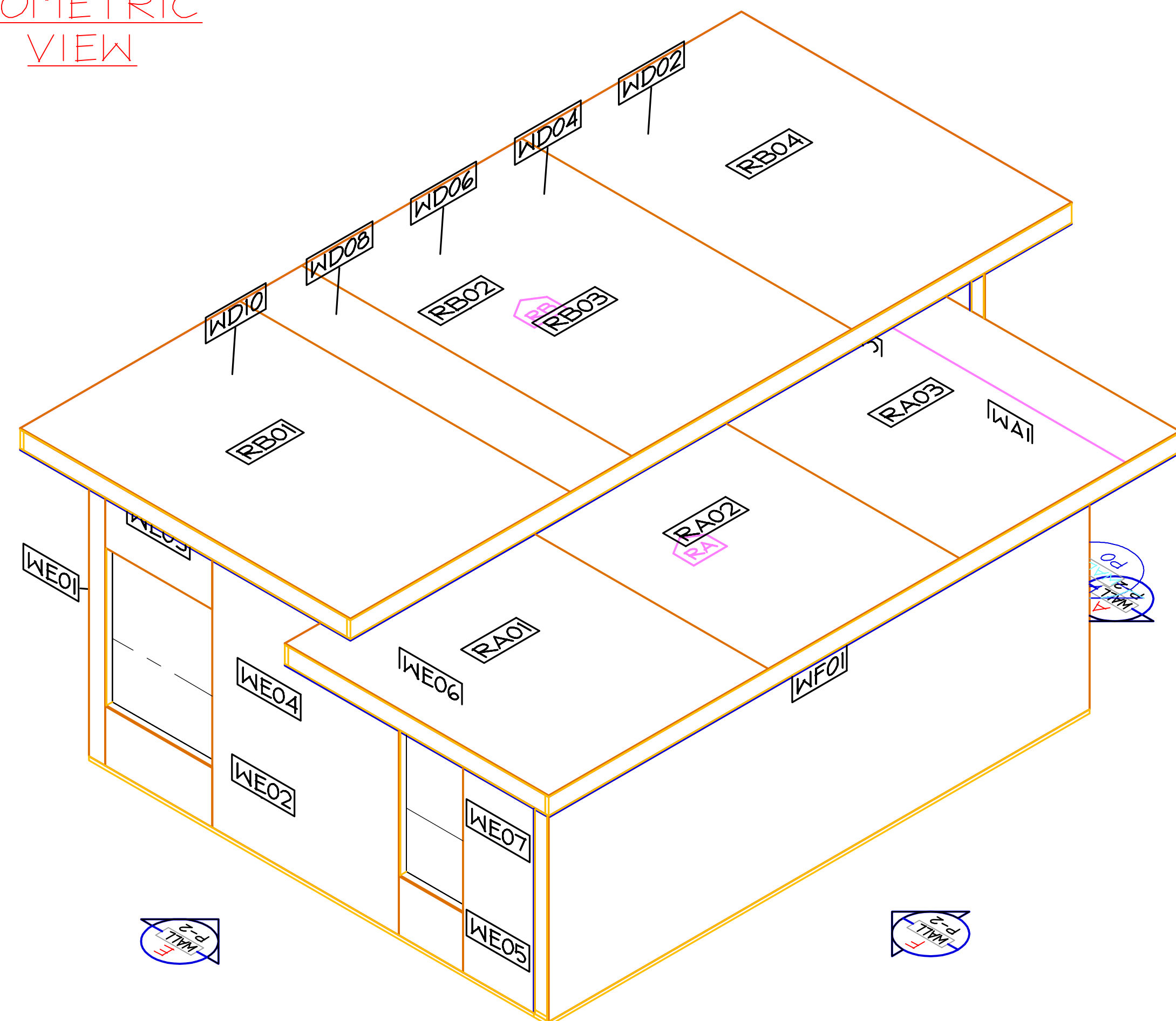
INSULSPAN REVISION POLICY

INSULSPAN UNDERSTANDS THAT SOME PROJECTS MAY REQUIRE ALTERATIONS. WE WILL DO OUR BEST TO HONOR YOUR CHANGES AND/OR ADJUSTMENTS, WITHIN REASON. IT SHOULD BE UNDERSTOOD THAT EACH CUSTOMER INITIATED CHANGE TO SHOP DRAWINGS MAY RESULT IN A COST REVIEW AND ADDITIONAL CHARGES MAY BE APPLIED AND MAY AFFECT DELIVERY.

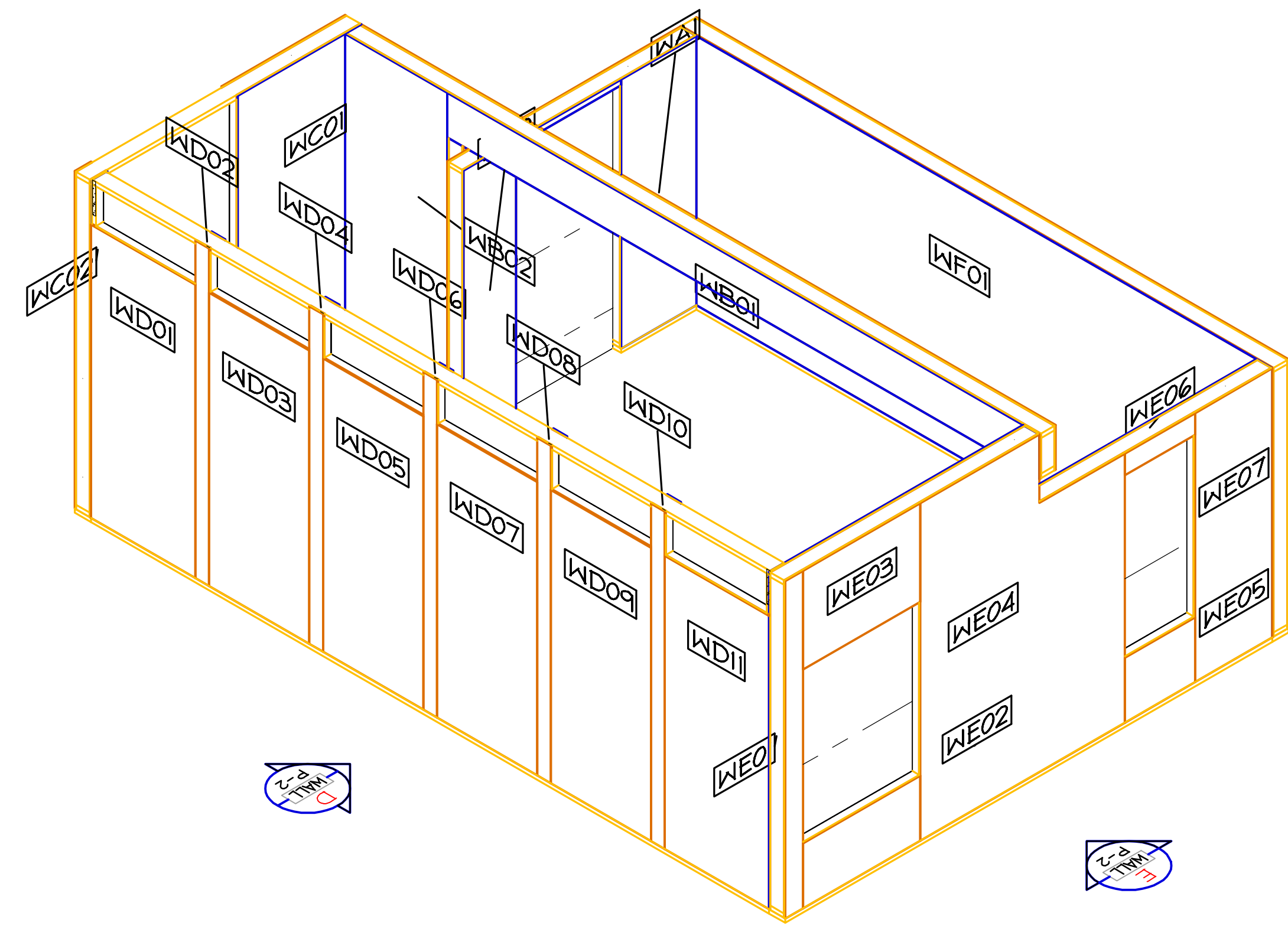
WIRECHASE AND TEMP. LUMBER NOTE

SOME PIECES OF LUMBER ARE LABELED AS "TEMP". THIS LUMBER IS ONLY TEMPORARILY ATTACHED (SCREWED) TO THE PANEL. IT IS TO BE REMOVED TO ASSIST IN THE INSTALLATION PROCESS AND TO ALLOW FOR DIMENSIONAL PANEL ADJUSTMENTS. PLEASE TAKE EXTRA CARE IN REMOVING AND INSTALLING THIS LUMBER PER INSULSPAN APPROVED DETAILS. SEE INSTALLATION MANUAL. ALL WIRE CHASES ARE INSTALLED @ 14" x 48" A.S.F. HORIZ. AND 6" VERT. TO EITHER SIDE OF DOOR OPENINGS UNLESS NOTED OTHERWISE.

ISOMETRIC VIEW

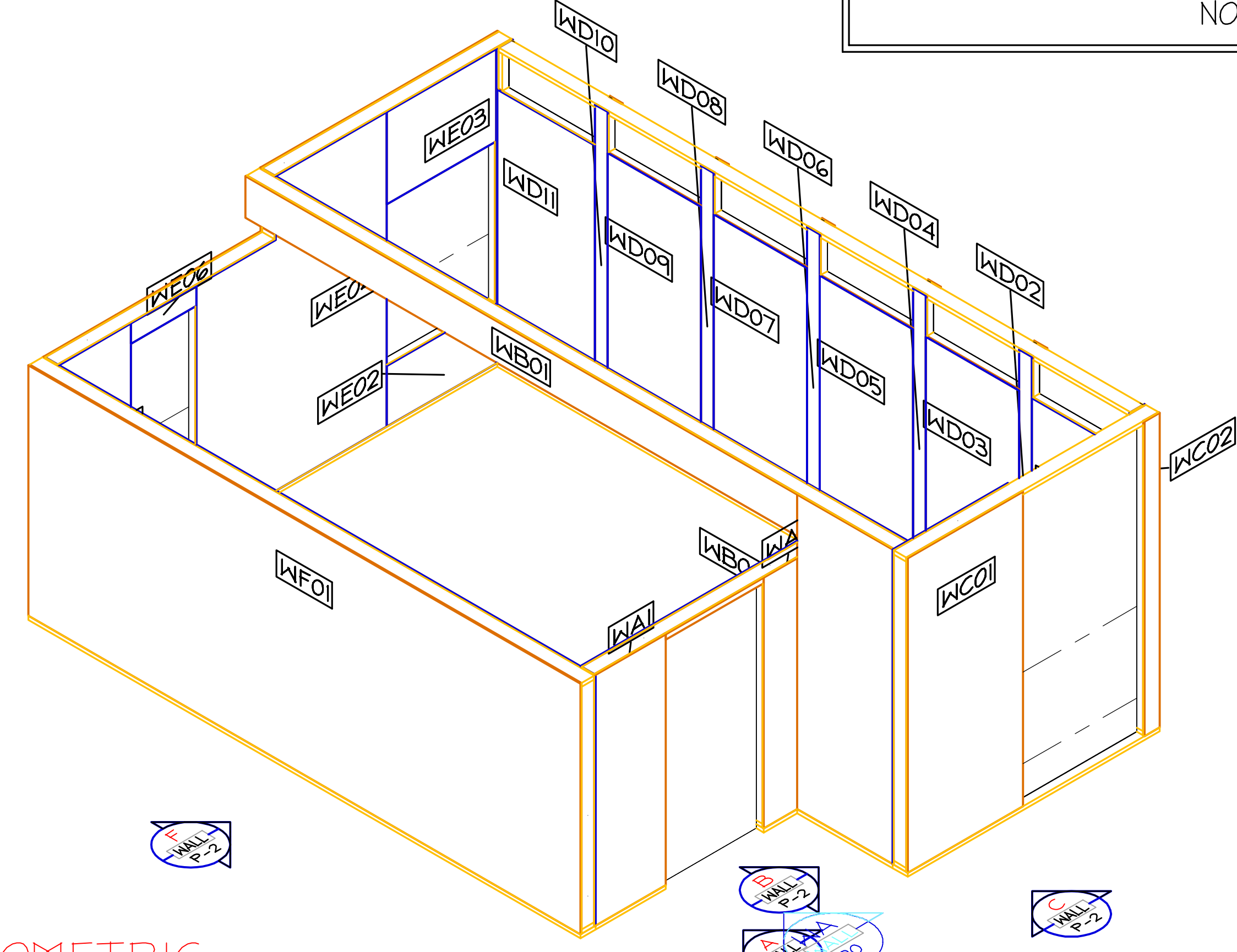


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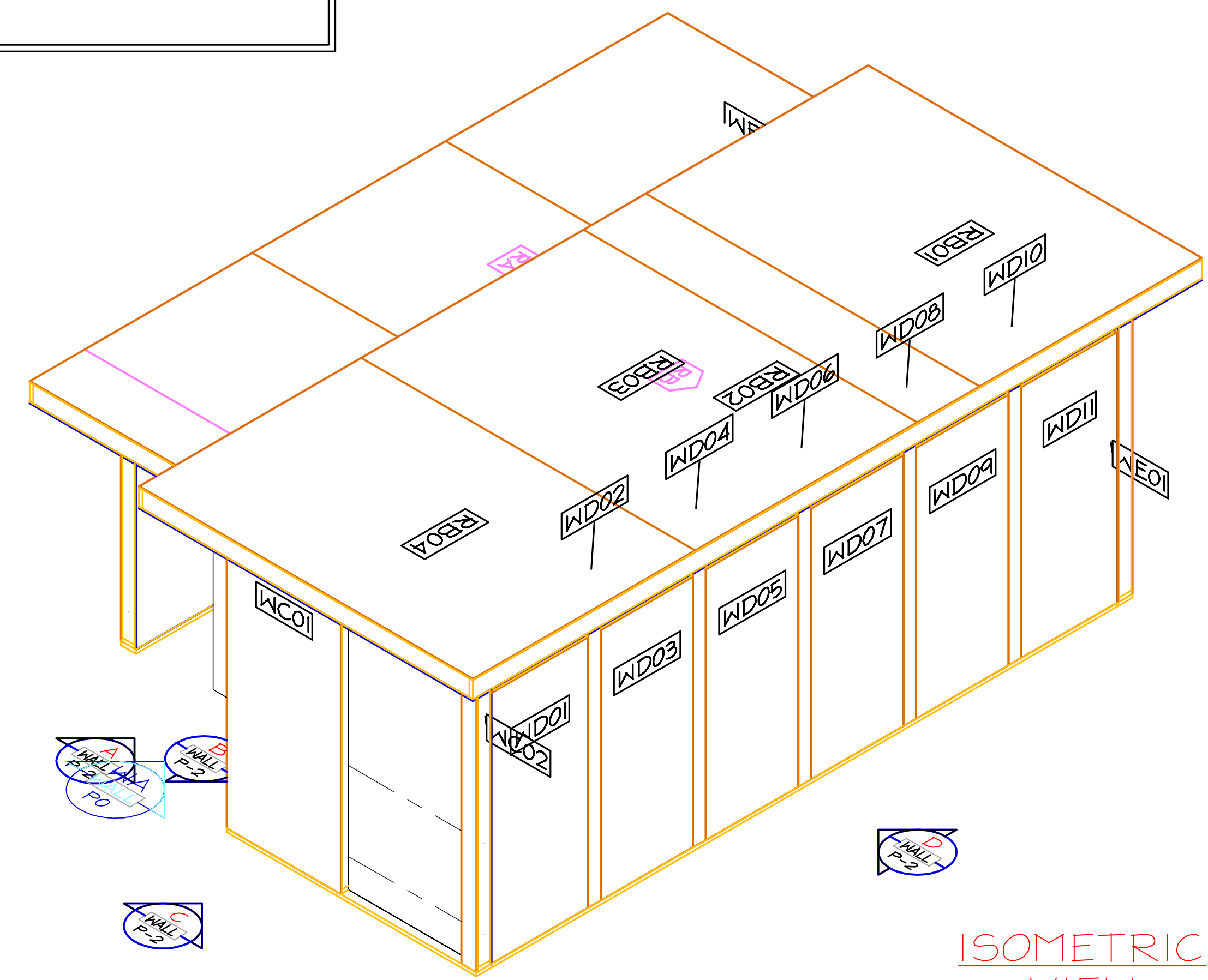


NO LUMBER SHALL BE SUPPLIED BY INSULSPAN. LUMBER NOTES ON WALL ELEVATION AND ROOF PLANS OR IN DETAILS ARE FOR REFERENCE AND FOAM RELIEF DATA ONLY. PANELS LABELED "NSBI" ARE LUMBER ONLY PANELS. NO LUMBER IS BEING SUPPLIED SO THIS WALL AREA/PANEL WILL NOT BE PROVIDED.

ISOMETRIC VIEW



ISOMETRIC VIEW



NOT FOR CONSTRUCTION

FOR APPROVAL ONLY

NOT FOR CONSTRUCTION

NOT FOR CONSTRUCTION

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NOT FOR CONSTRUCTION

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INSTALLATION GUIDE & ASSEMBLY DETAILS

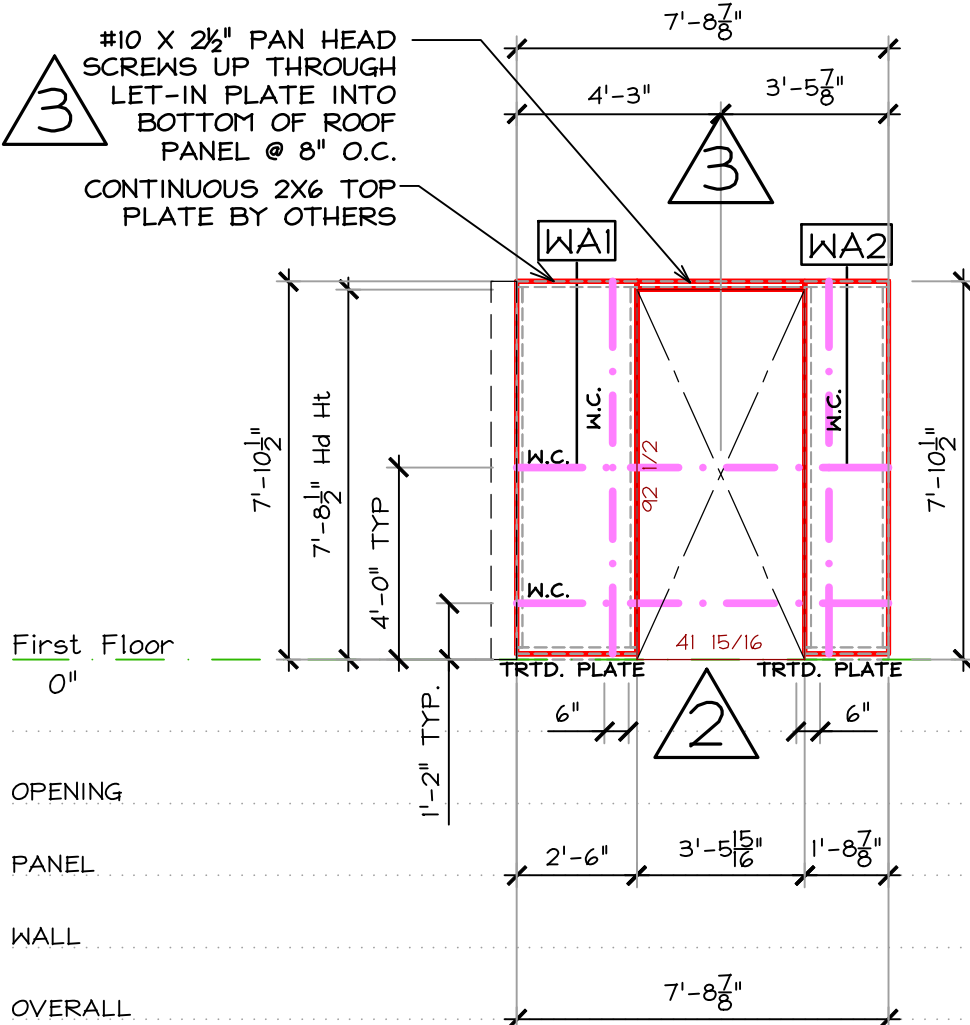
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 CONTRACT DATE: 4/5/2024
 CLIENT REVIEW: 5/30/2024
 REVISION NO. 1: 5/29/2024
 REVISION NO. 2: 5/30/2024
 ENGINEERING REVIEW: 5/15/2024
 REVISION NO. 3: 5/30/2024

Proposed: Residence
 Atella Enterprises, Inc.
 5711 McLeod Rd Niagara Falls,
 ON L2G 3E5

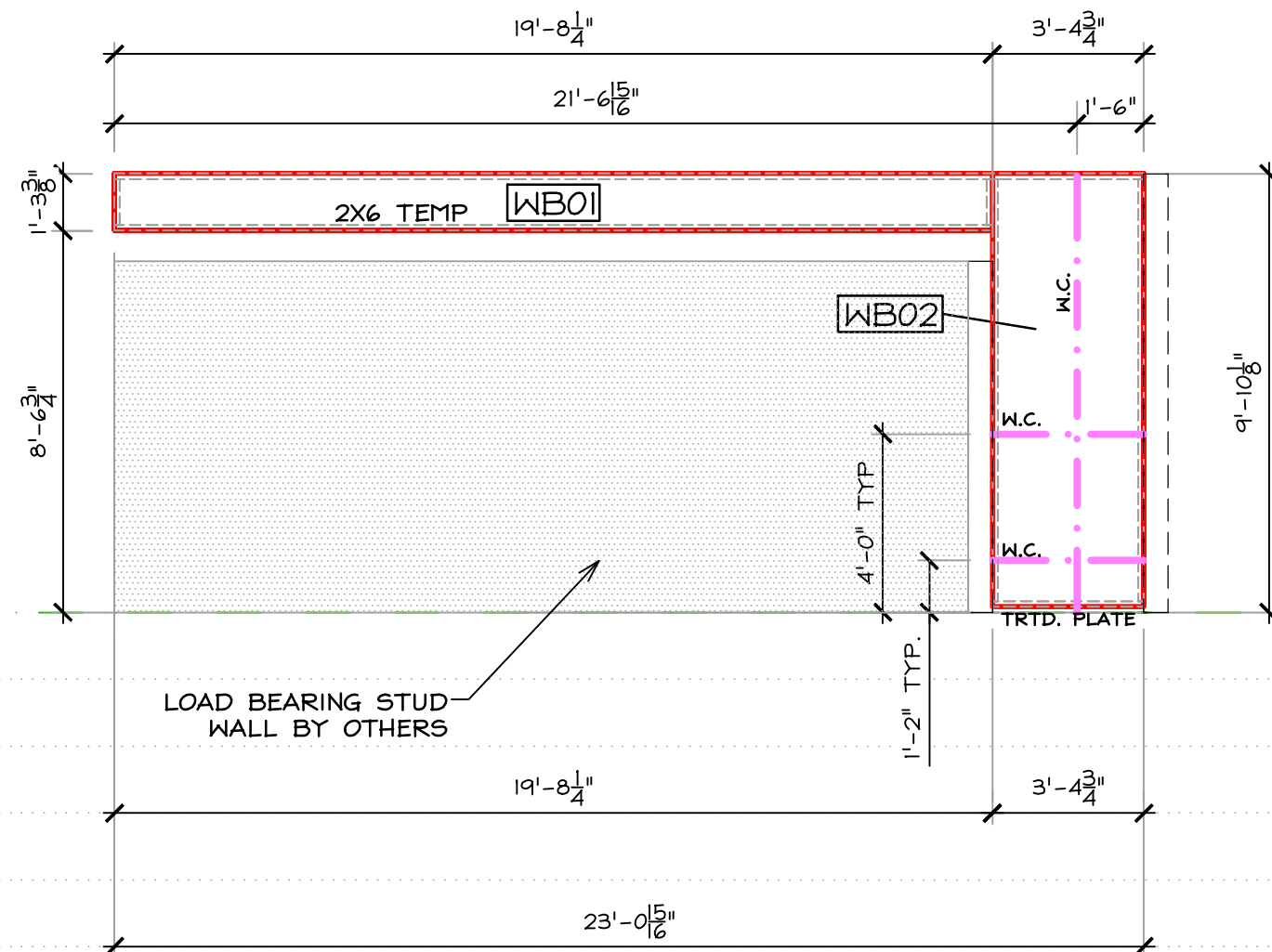
APPROVAL SET
 APPROVED BY:
 NAME _____
 DATE _____

SALES PERSON:	DS
DRAWN BY:	AB/SB
CHECKED BY:	
DATE:	5/30/2024
JOB NUMBER:	14957
SHEET 1 OF 4	REV. 3
PLOT DATE:	06-12-24

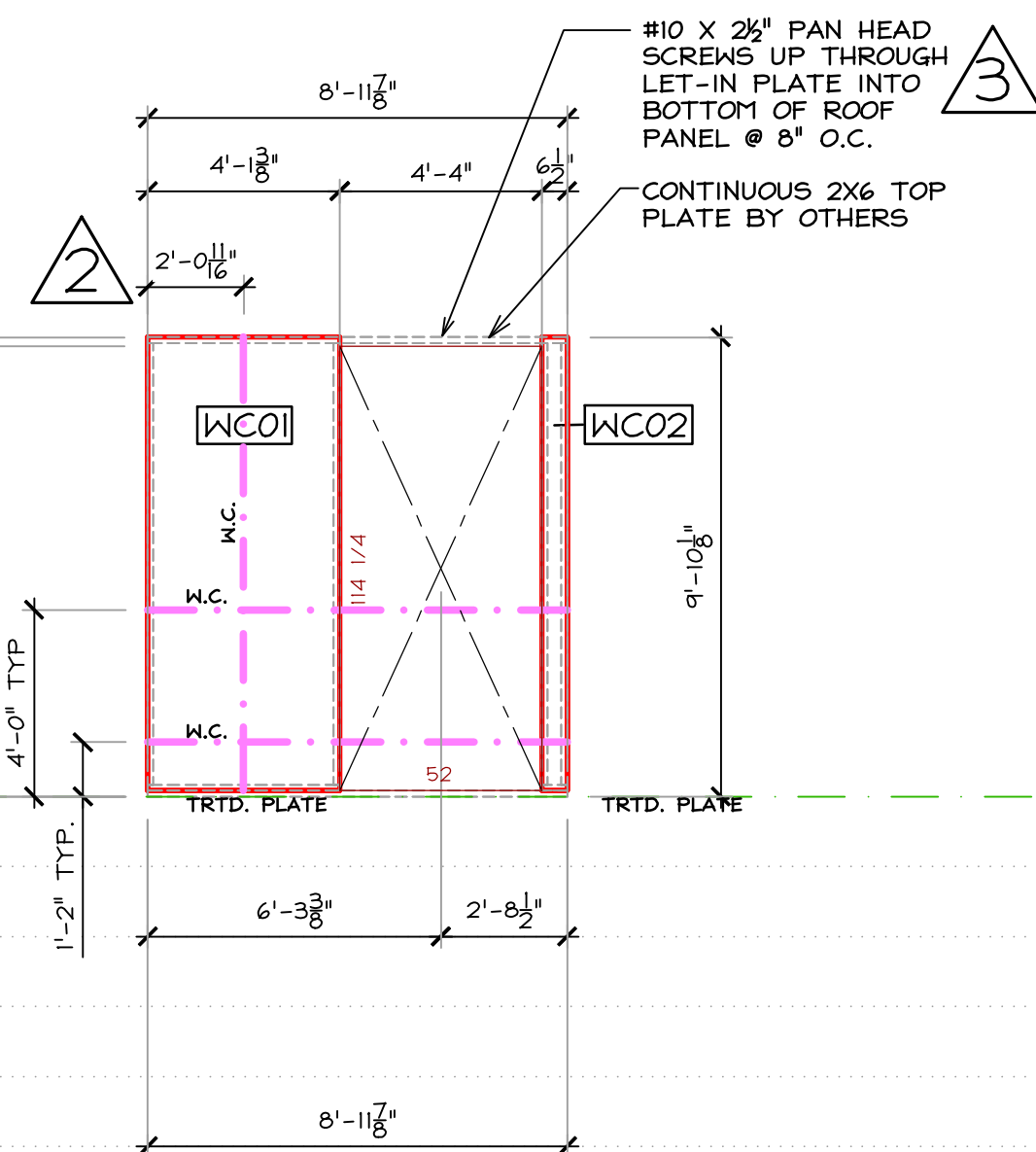
NO LUMBER SHALL BE SUPPLIED BY INSULSPAN
 LUMBER NOTES ON WALL ELEVATION AND ROOF PLANS OR IN DETAILS ARE FOR
 REFERENCE AND FOAM RELIEF DATA ONLY.
 PANELS LABELED "NSBI" ARE LUMBER ONLY PANELS. NO LUMBER IS BEING
 SUPPLIED SO THIS WALL AREA/PANEL WILL NOT BE PROVIDED.



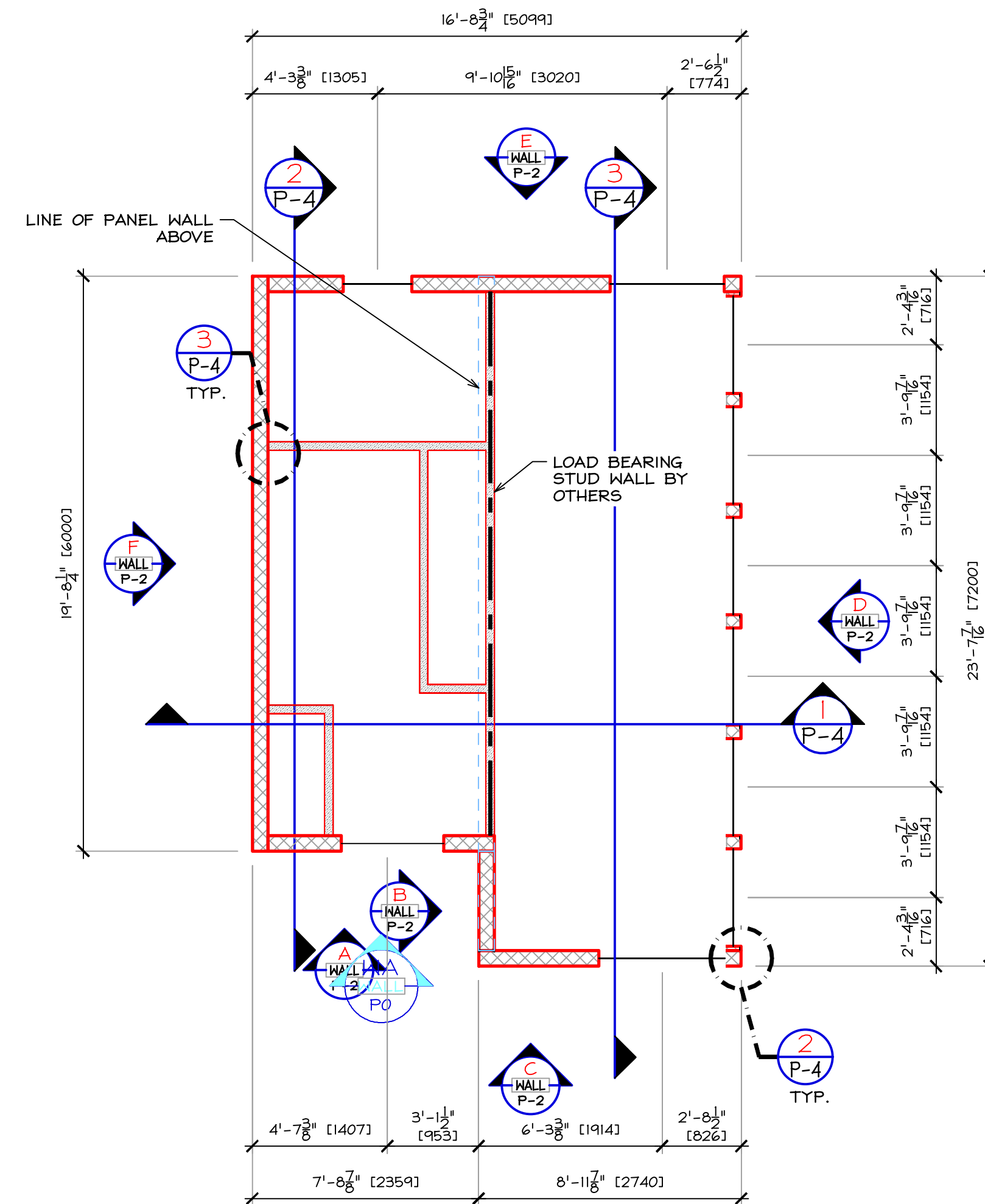
WALL A
 6-1/2" WALL PANELS
 SCALE: 1/4" = 1'-0"



WALL B
 6-1/2" WALL PANELS
 SCALE: 1/4" = 1'-0"

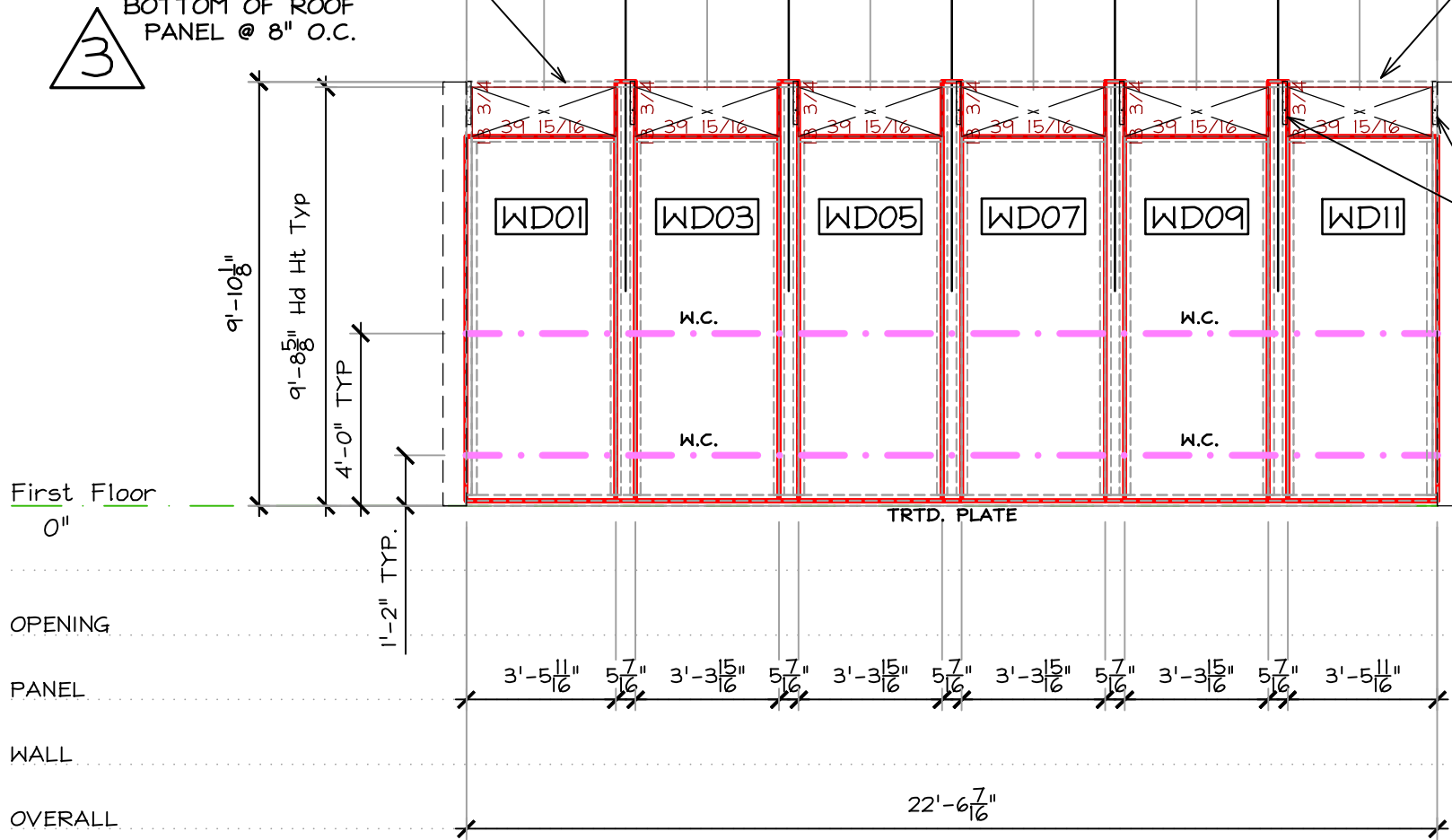


WALL C
 6-1/2" WALL PANELS
 SCALE: 1/4" = 1'-0"

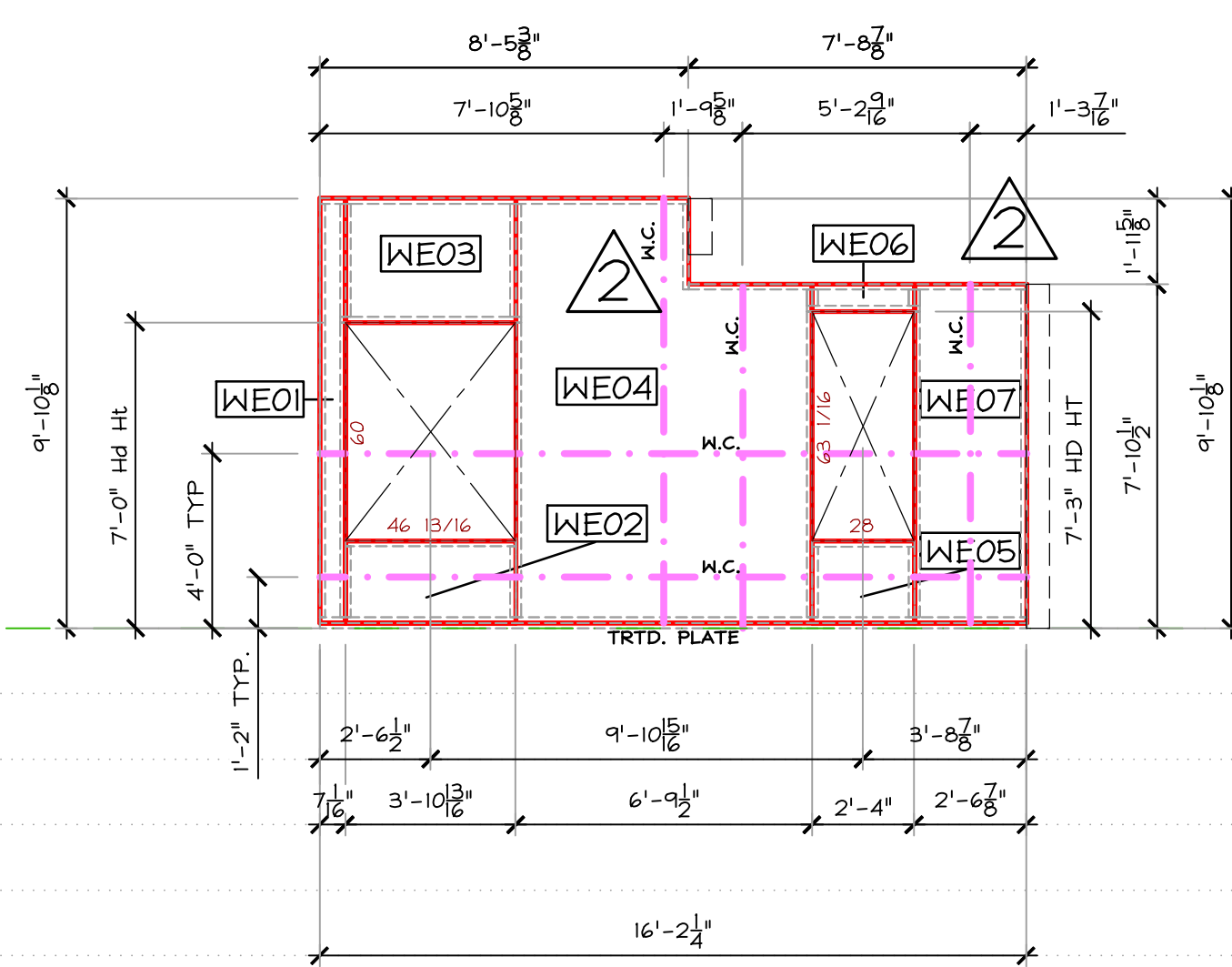


FIRST FLOOR WALL PANEL PLAN
 SCALE: 1/4" = 1'-0"

- WALL NOTES:**
- INSULSPAN DESIGNS TO THE NEAREST 1/16"
 - SOME PIECES OF LUMBER ARE LABELED AS "TEMP". THIS LUMBER IS ONLY TEMPORARILY ATTACHED (SCREWED) TO THE PANEL. IT IS TO BE REMOVED TO ASSIST IN THE INSTALLATION PROCESS AND TO ALLOW FOR DIMENSIONAL PANEL ADJUSTMENTS. PLEASE TAKE EXTRA CARE IN REMOVING AND INSTALLING THIS LUMBER PER INSULSPAN APPROVED DETAILS. SEE INSTALLATION MANUAL.
 - ALL BOTTOM PLATES, TOP PLATES, AND CAP PLATES WILL BE SHIPPED LOOSE TO SITE FOR INSTALLATION IN THE FIELD.
 - ALL WIRE CHASES ARE INSTALLED @ 14" x 48" A.S.F. OR CONCRETE SLAB HORIZ. AND 6" VERT. TO EITHER SIDE OF DOOR OPENINGS U.N.O.
 - IF NOT NOTED OTHERWISE, SINGLE DASHED LINE IN PANEL REPRESENTS SINGLE 2X LET-IN (1/2" FOAM RELIEF) W/ 8d NAILS AT 6" O.C. EA. SIDE

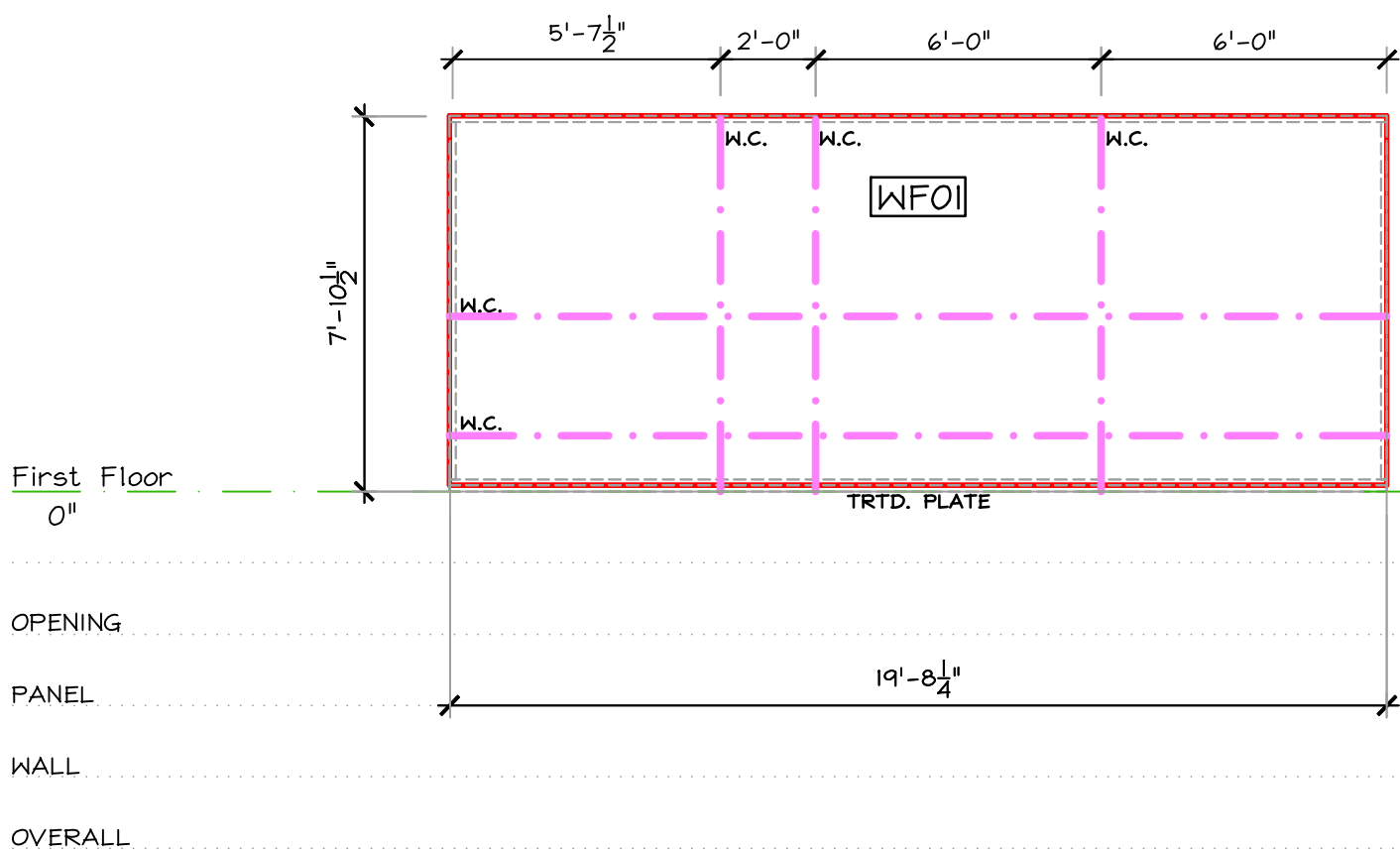


WALL D
 6-1/2" WALL PANELS
 SCALE: 1/4" = 1'-0"

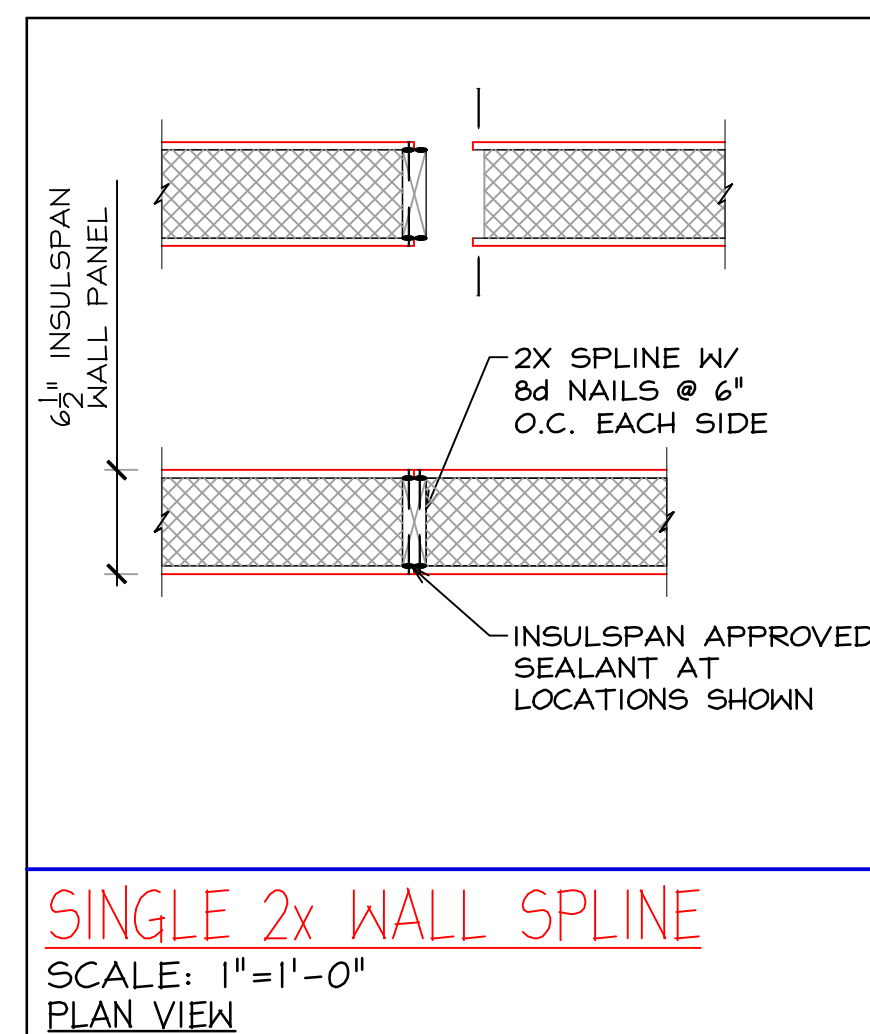


WALL E
 6-1/2" WALL PANELS
 SCALE: 1/4" = 1'-0"

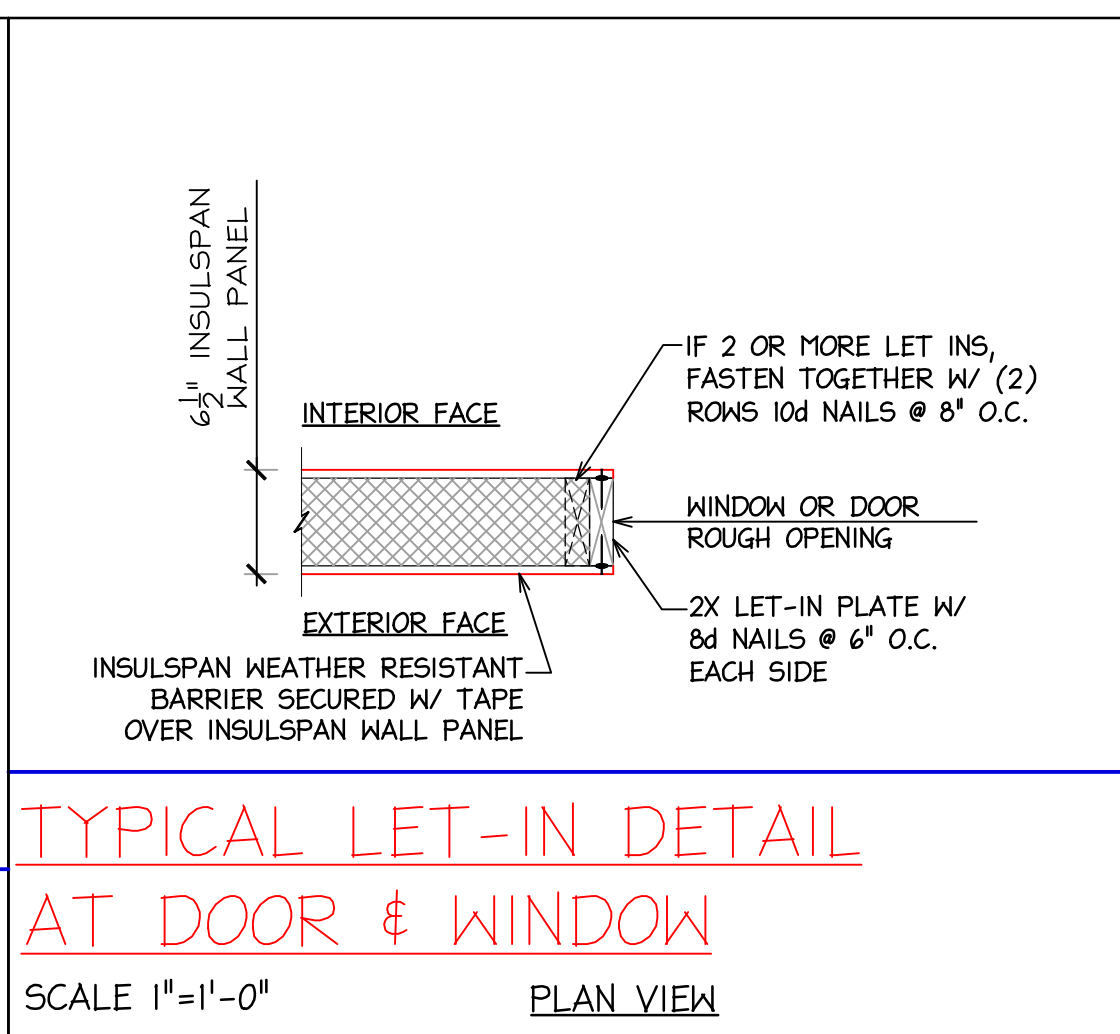
SEALANT NOTE :
 ● = INSULSPAN APPROVED MANUS
 CONSTRUCTION SEALANT @ ALL LUMBER TO
 LUMBER OR LUMBER TO OSB POINTS OF CONTACT



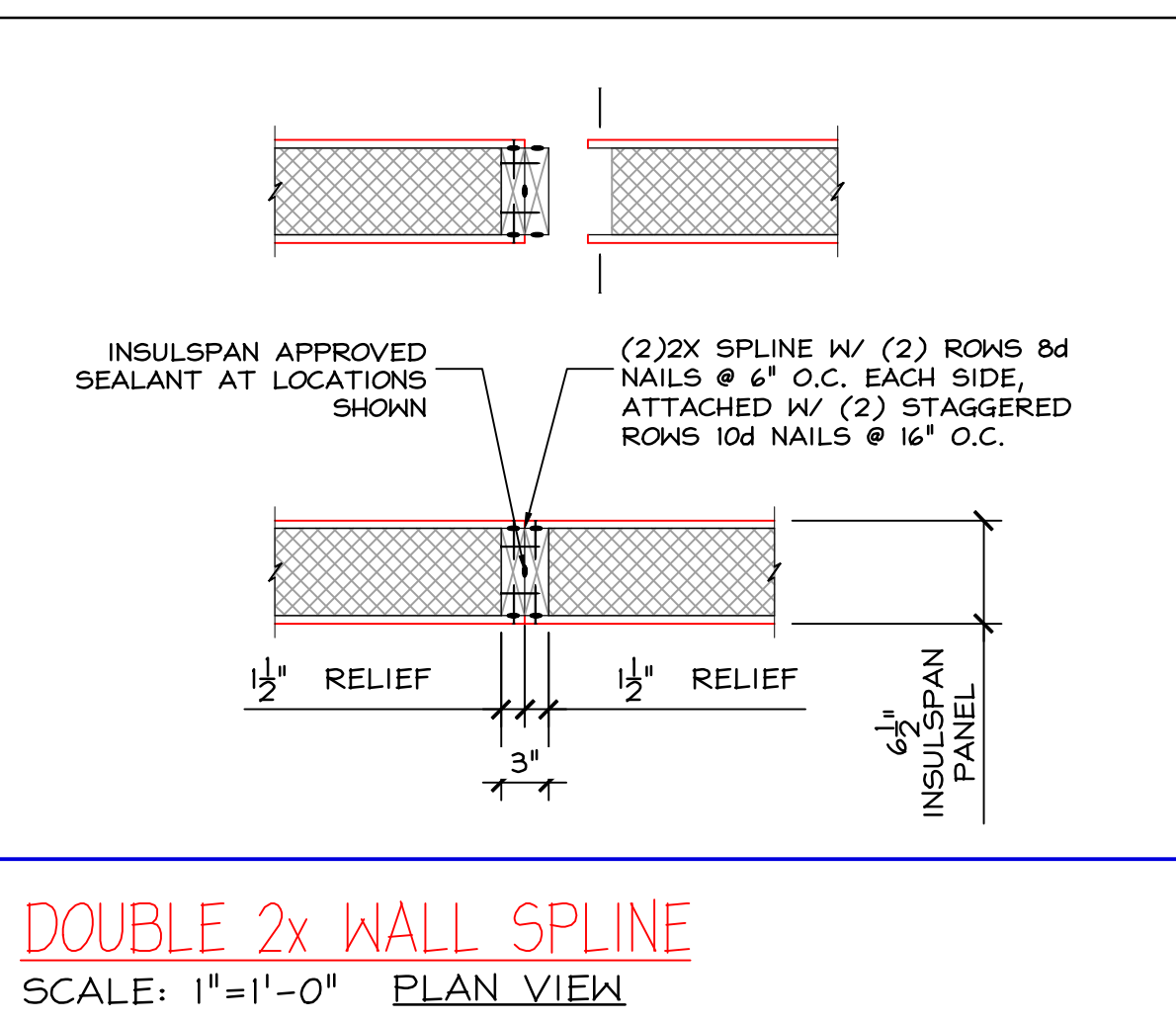
WALL F
 6-1/2" WALL PANELS
 SCALE: 1/4" = 1'-0"



SINGLE 2x WALL SPLINE
 SCALE: 1" = 1'-0"
 PLAN VIEW



**TYPICAL LET-IN DETAIL
 AT DOOR & WINDOW**
 SCALE: 1" = 1'-0"
 PLAN VIEW



DOUBLE 2x WALL SPLINE
 SCALE: 1" = 1'-0"
 PLAN VIEW

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INSULSPAN
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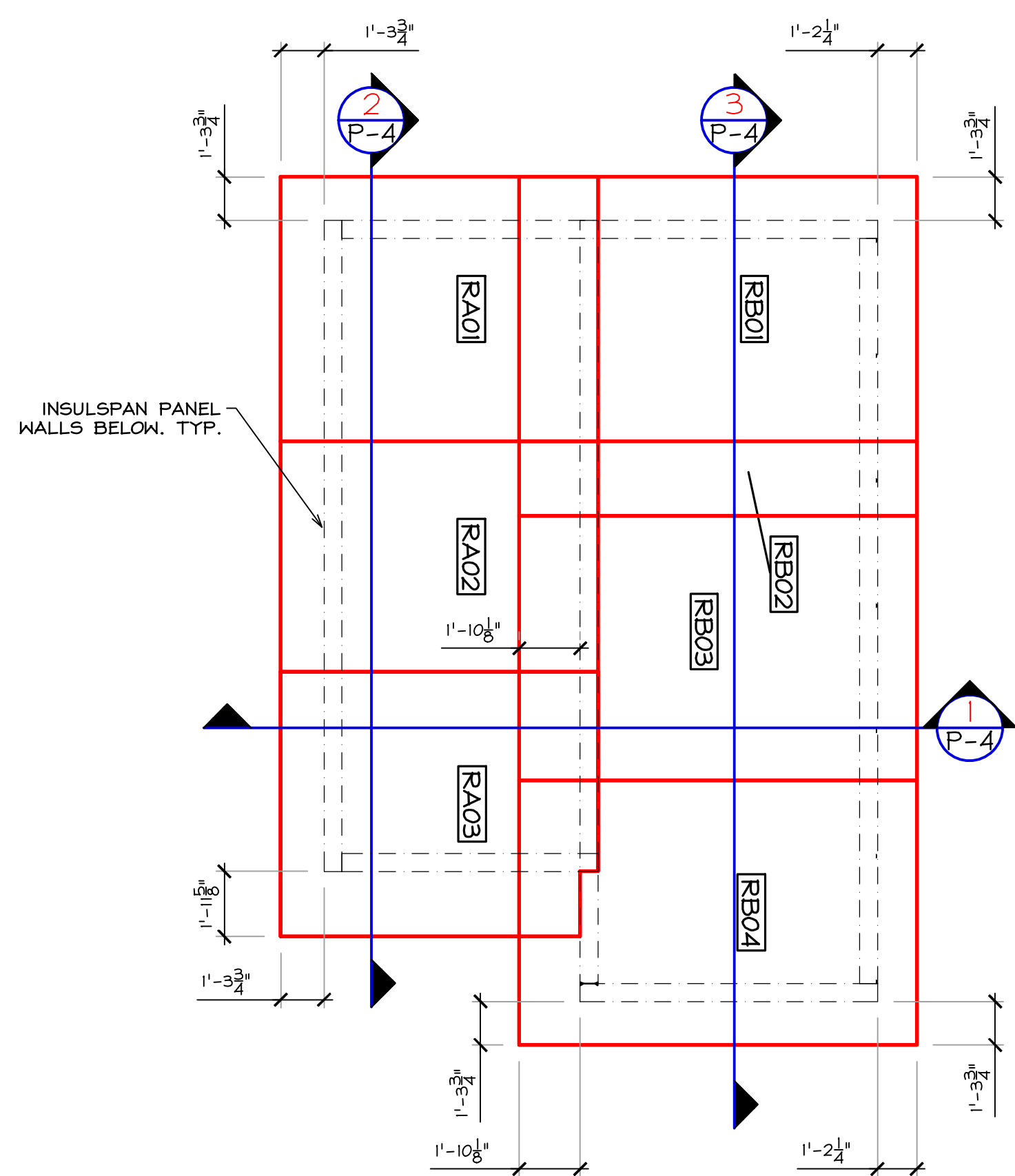
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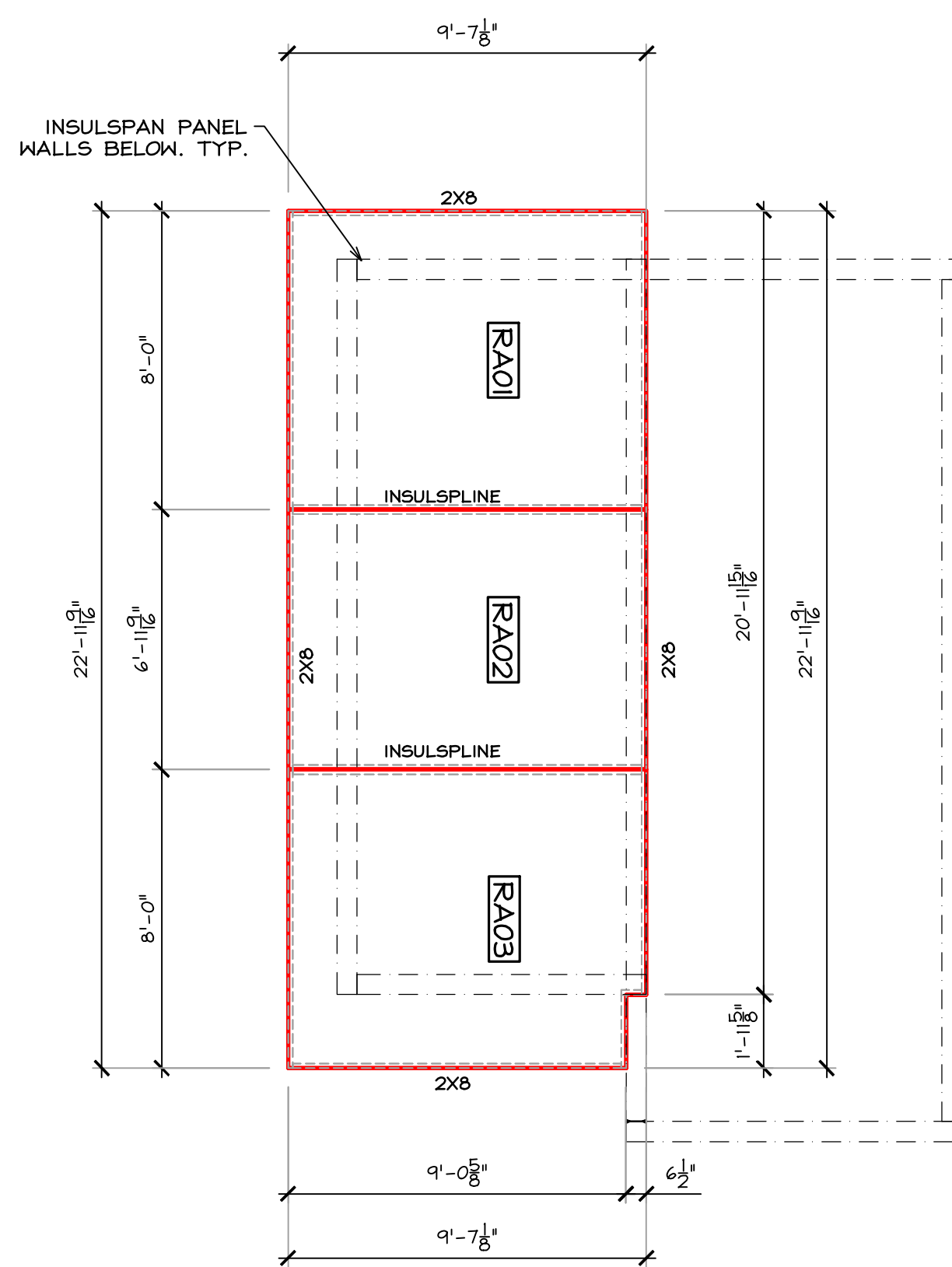
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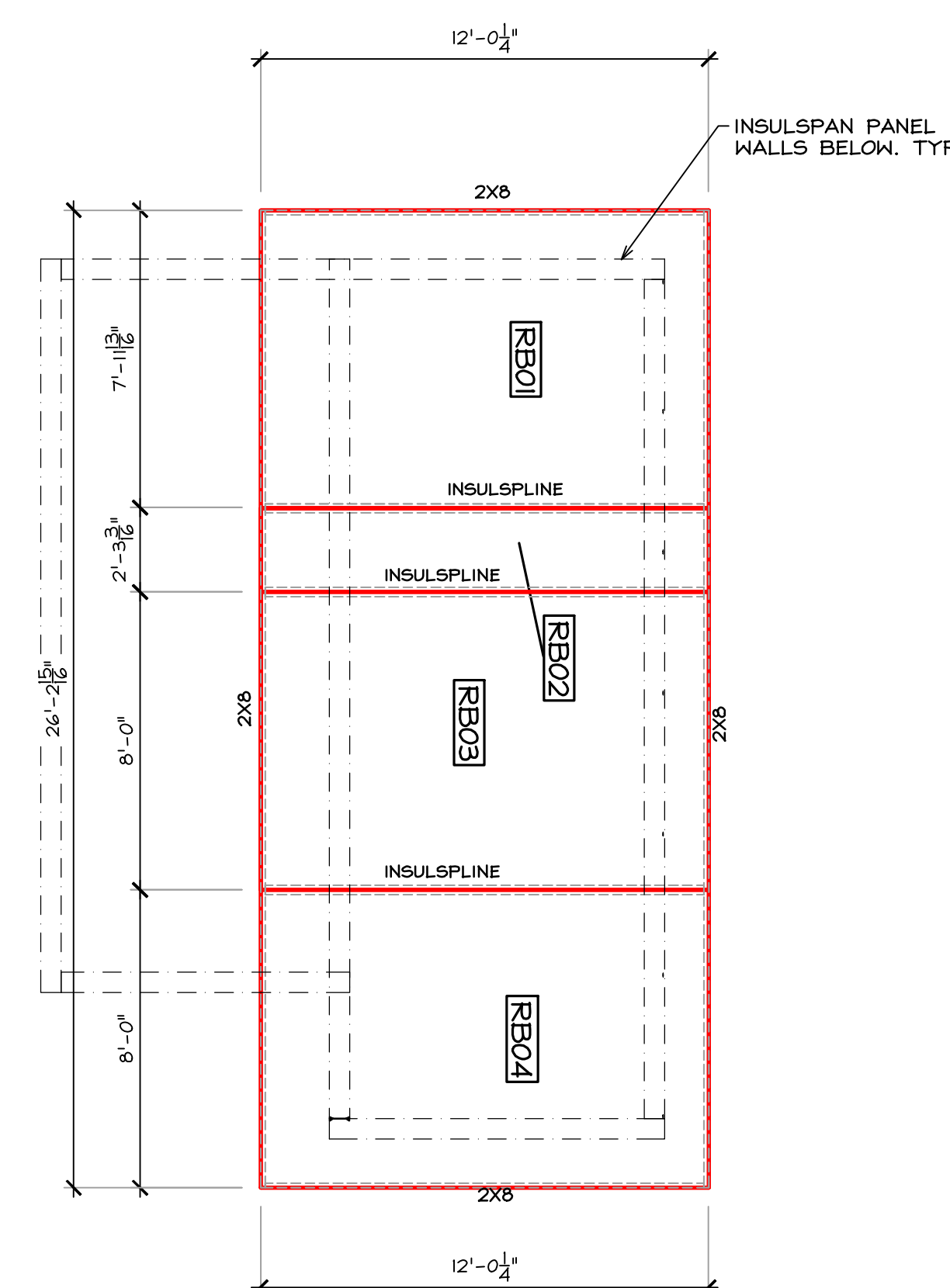
- ROOF NOTES:**
- INSULSPAN DESIGNS TO THE NEAREST 1/16"
 - SOME PIECES OF LUMBER ARE LABELED AS "TEMP". THIS LUMBER IS ONLY TEMPORARILY ATTACHED (SCREWED) TO THE PANEL. IT IS TO BE REMOVED TO ASSIST IN THE INSTALLATION PROCESS AND TO ALLOW FOR DIMENSIONAL PANEL ADJUSTMENTS. PLEASE TAKE EXTRA CARE IN REMOVING AND INSTALLING THIS LUMBER PER INSULSPAN APPROVED DETAILS. SEE INSTALLATION MANUAL.
 - ALL RIDGE PLATES, VALLEY PLATES, AND HIP PLATES WILL BE TEMPED UNLESS NOTED OTHERWISE.
 - ALL INSULATED SPLINES AND LUMBER SPLINES SPANNING MULTIPLE PANELS TO BE SHIPPED LOOSE TO SITE FOR INSTALLATION IN THE FIELD.
 - ROOF FRAMING/GLULAM BEAMS/TIMBER BEAMS NOT SUPPLIED OR DESIGN BY INSULSPAN (NSBI) U.N.O.
 - PLAN DIMENSIONS ARE TO TOP SKIN OF ROOF PANELS.
 - IF NOT NOTED OTHERWISE, SINGLE DASHED LINE IN PANEL REPRESENTS SINGLE 2X LET-IN (1/2" FOAM RELIEF) W/ 8d NAILS AT 6" O.C. EA. SIDE.
 - CLIENT TO VERIFY LOCATION OF ROOF PANEL WIRE CHASES (IF ANY)



ROOF PANEL PLAN
 SCALE: 1/4" = 1'-0"



ROOF A
 8-1/4" ROOF PANELS
 SCALE: 1/4" = 1'-0"
 PITCH: 0 / 12



ROOF B
 8-1/4" ROOF PANELS
 SCALE: 1/4" = 1'-0"
 PITCH: 0 / 12

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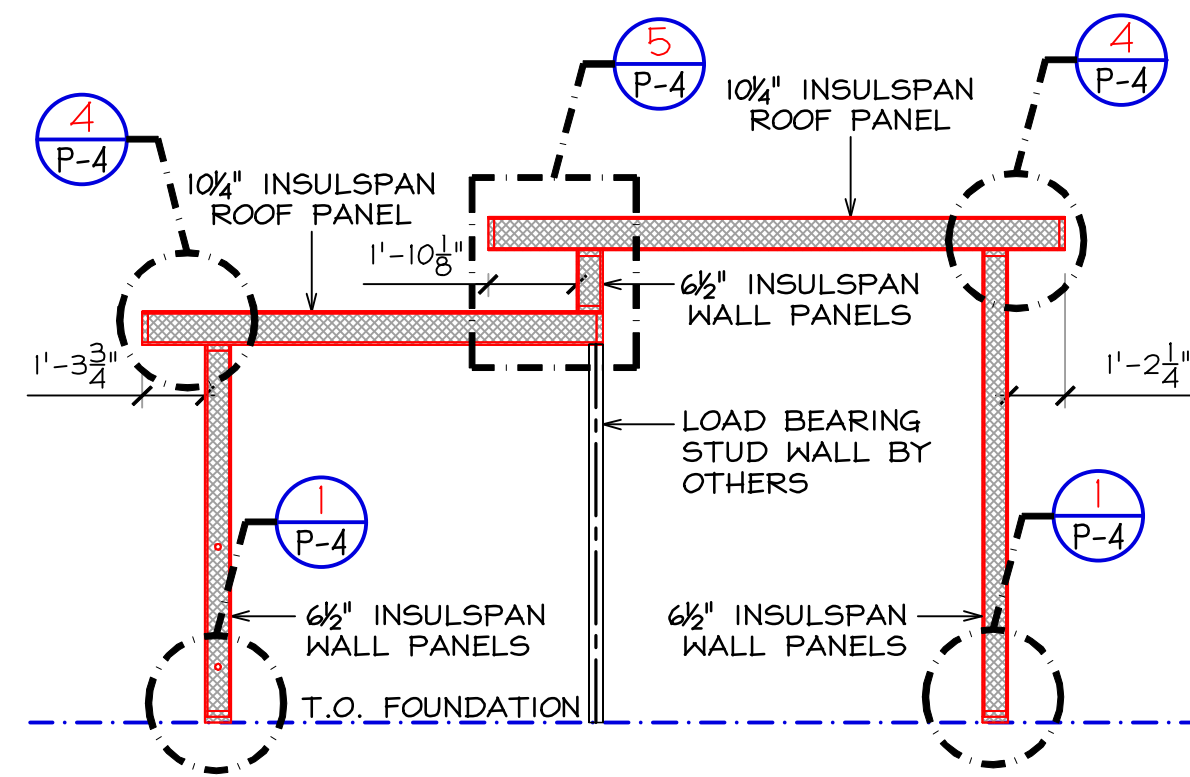


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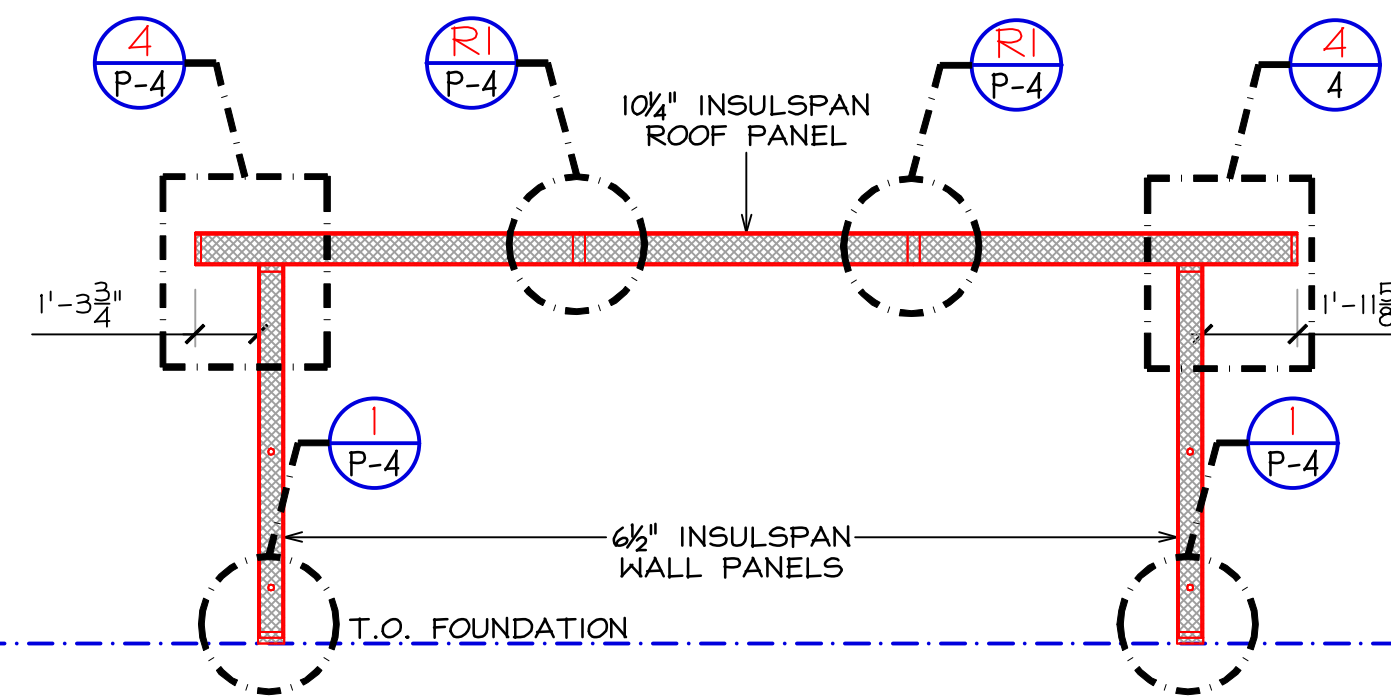
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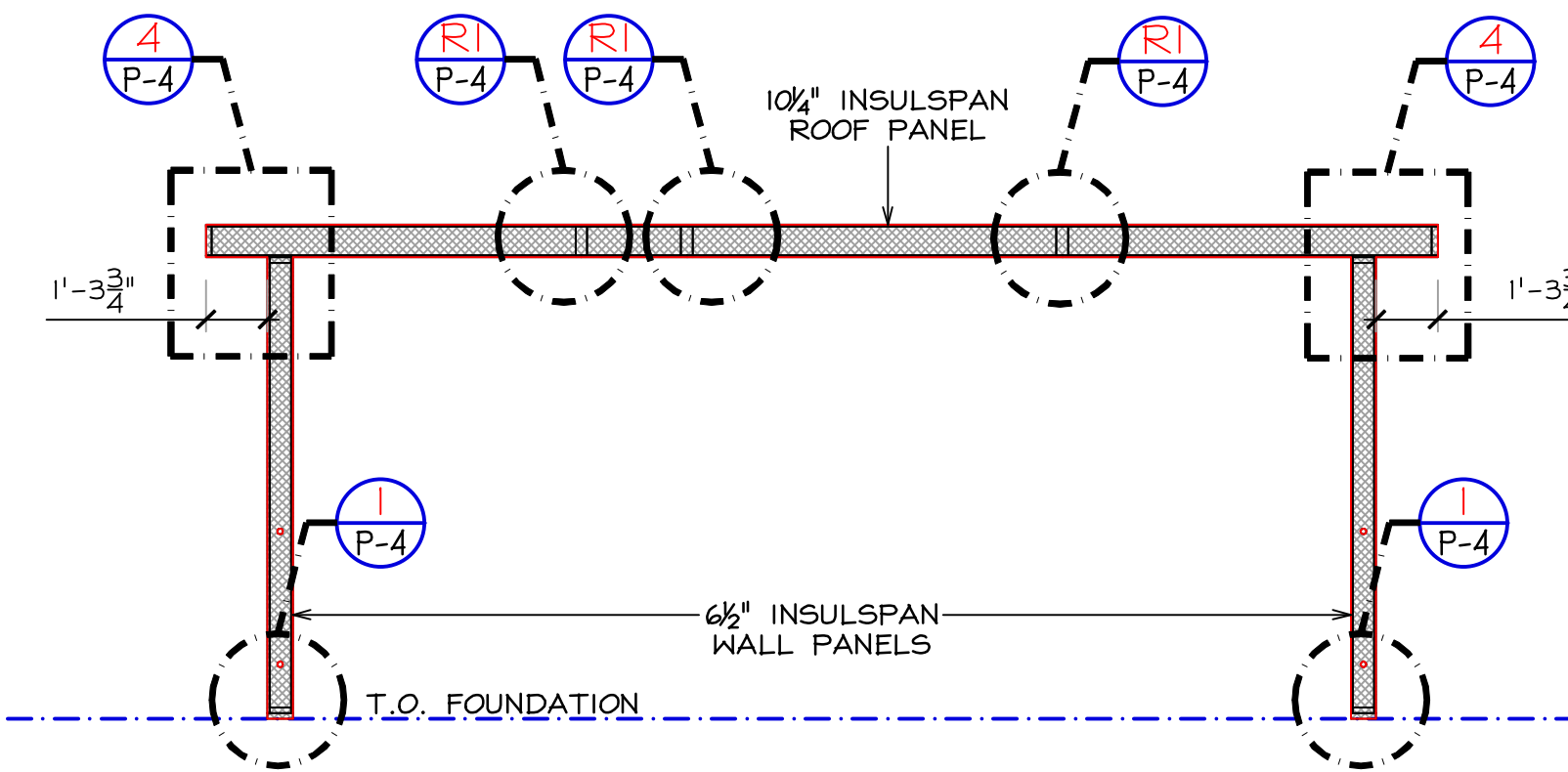
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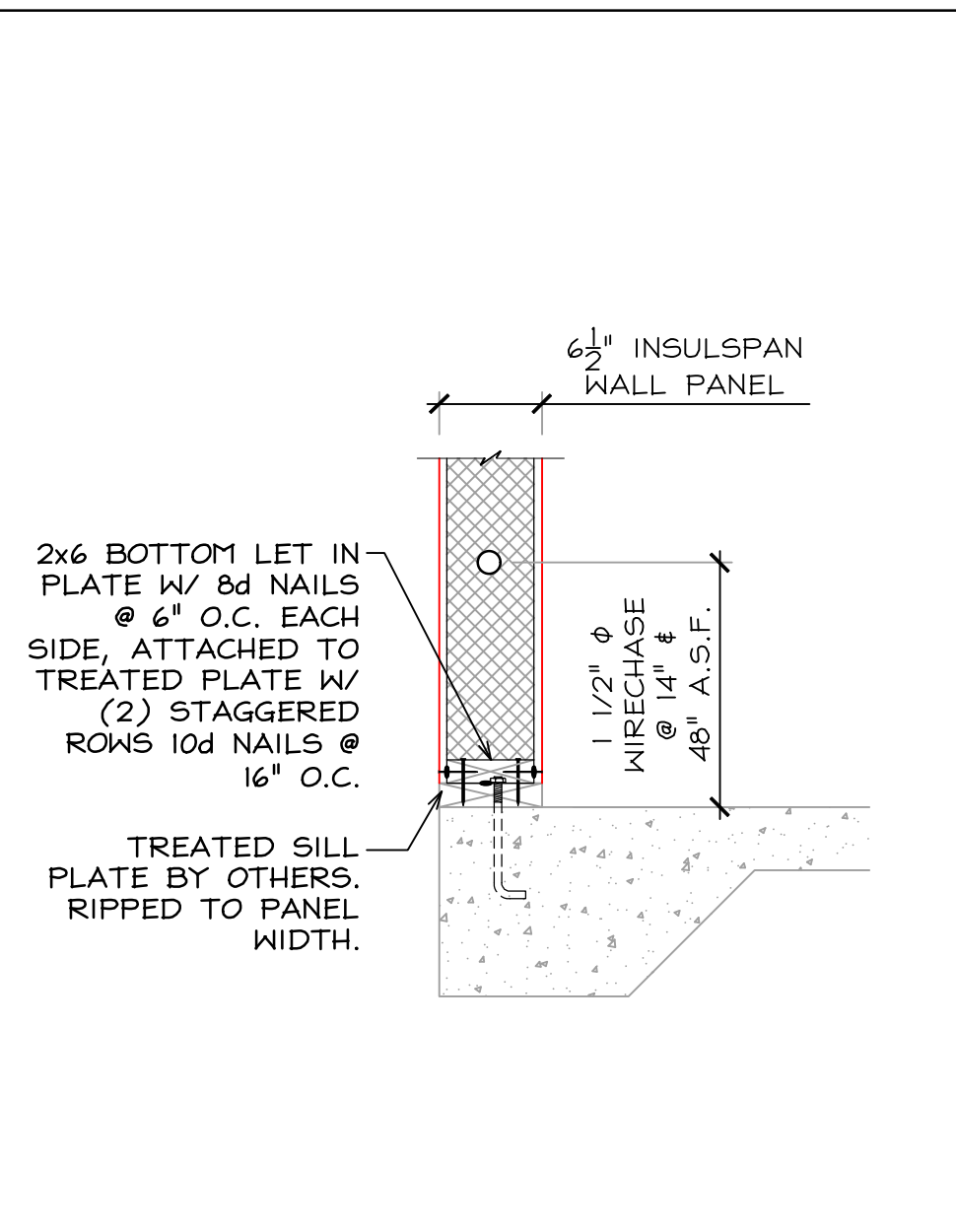
1 BUILDING SECTION
P2,3 SCALE: 1/4"=1'-0"



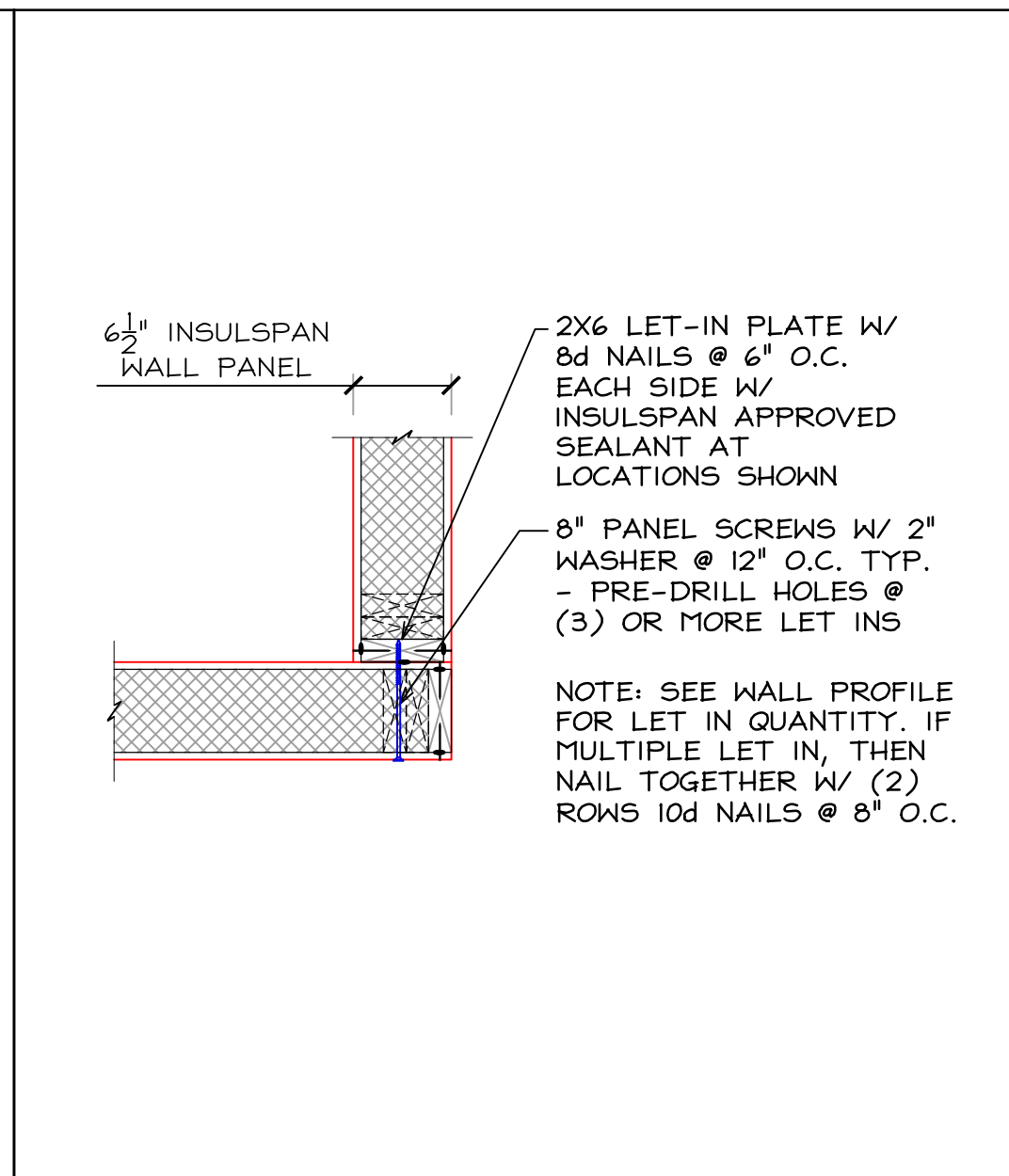
2 BUILDING SECTION
P2,3 SCALE: 1/4"=1'-0"



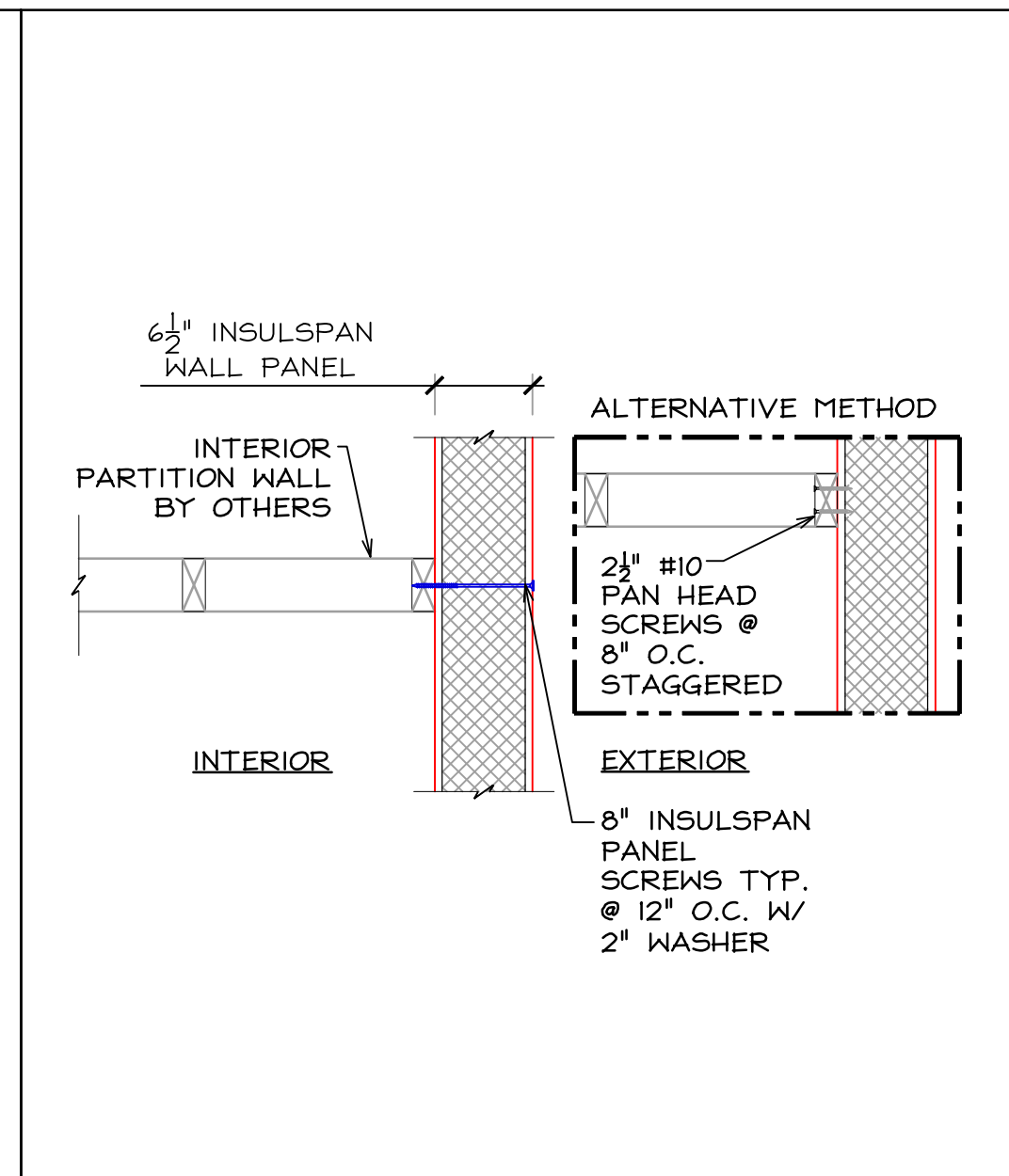
3 BUILDING SECTION
P2,3 SCALE: 1/4"=1'-0"



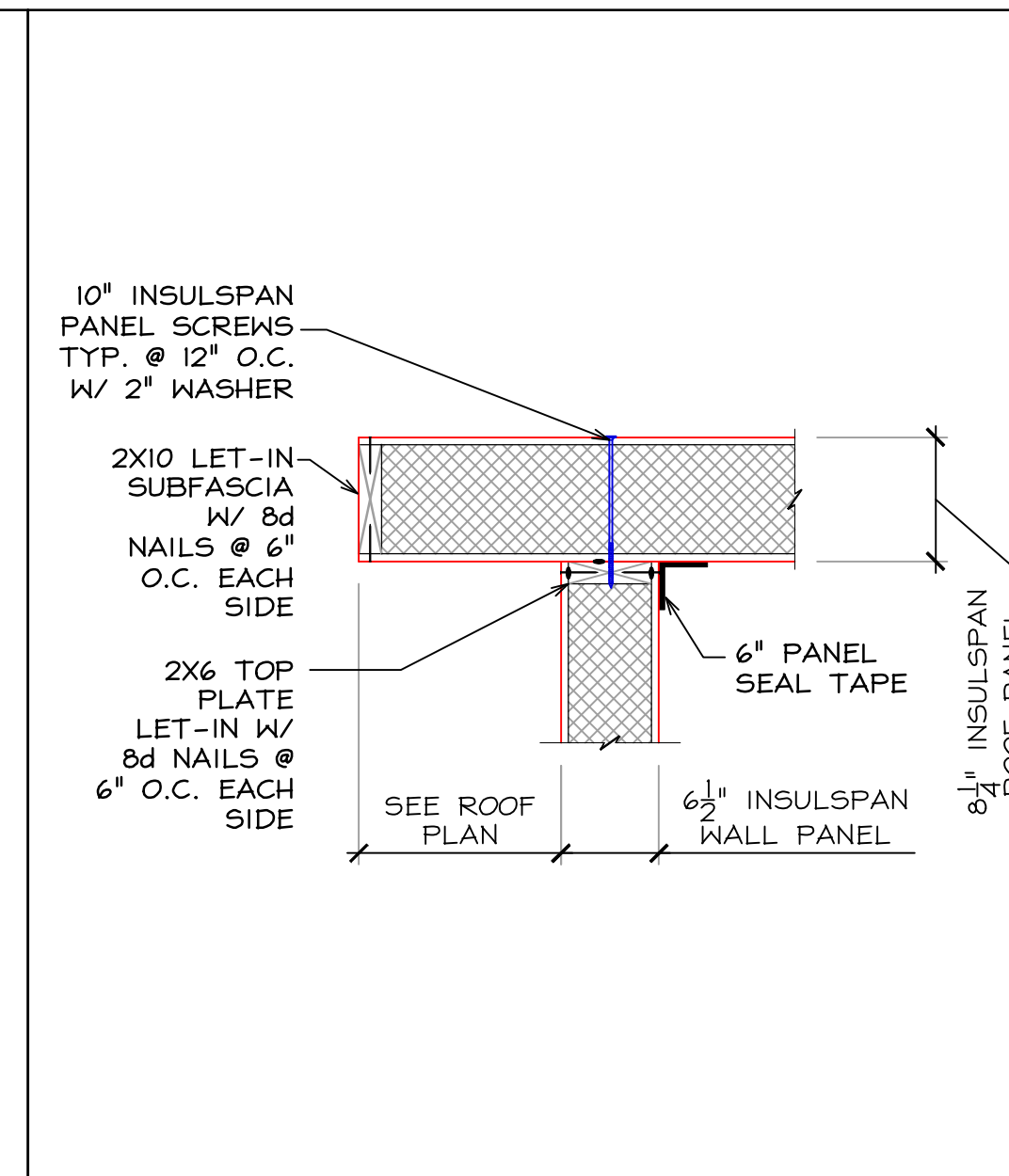
1 FLOOR SILL
P-4 SCALE: 1"=1'-0"



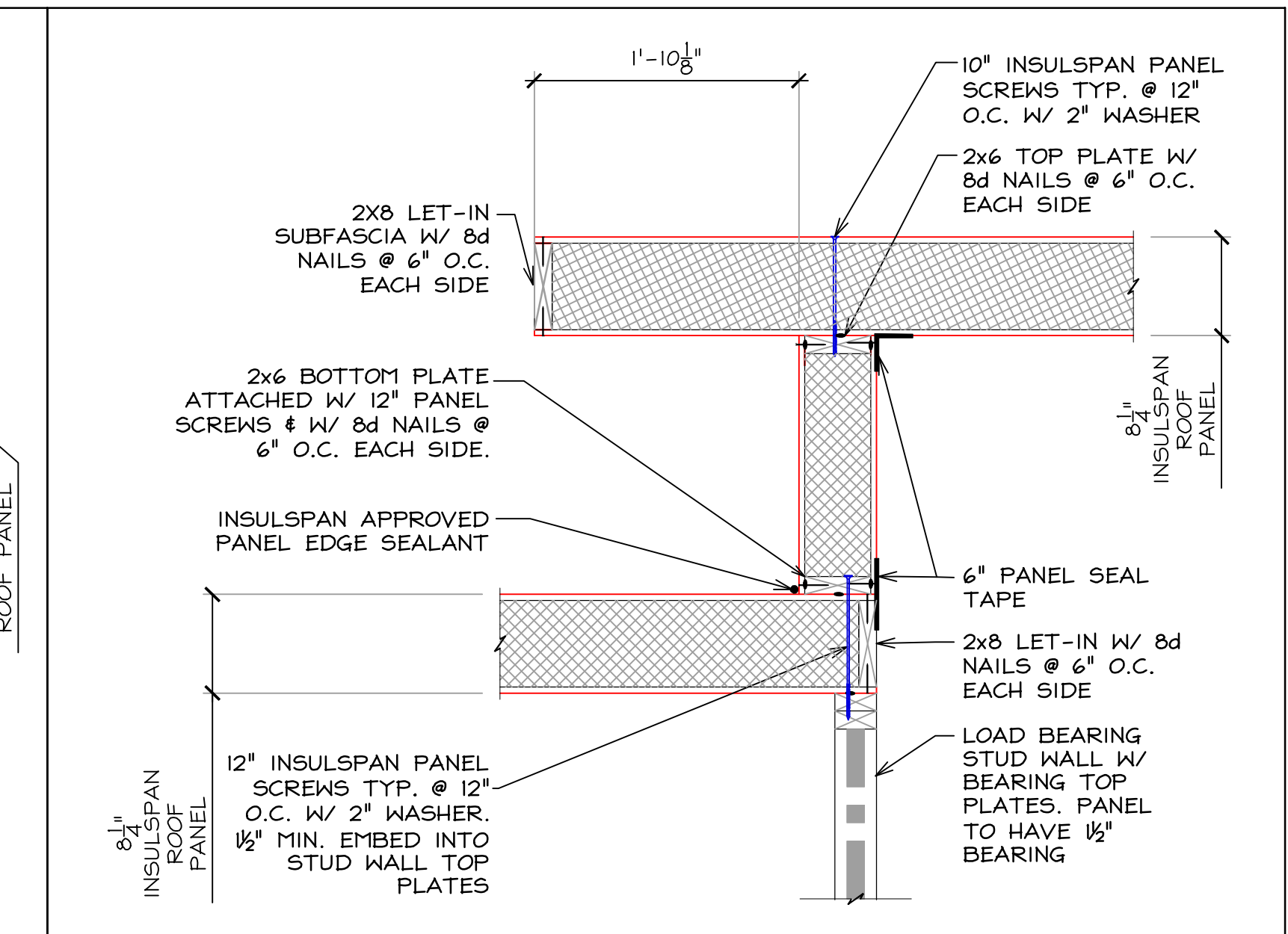
2 WALL CORNER
P-2 SCALE: 1"=1'-0" PLAN VIEW



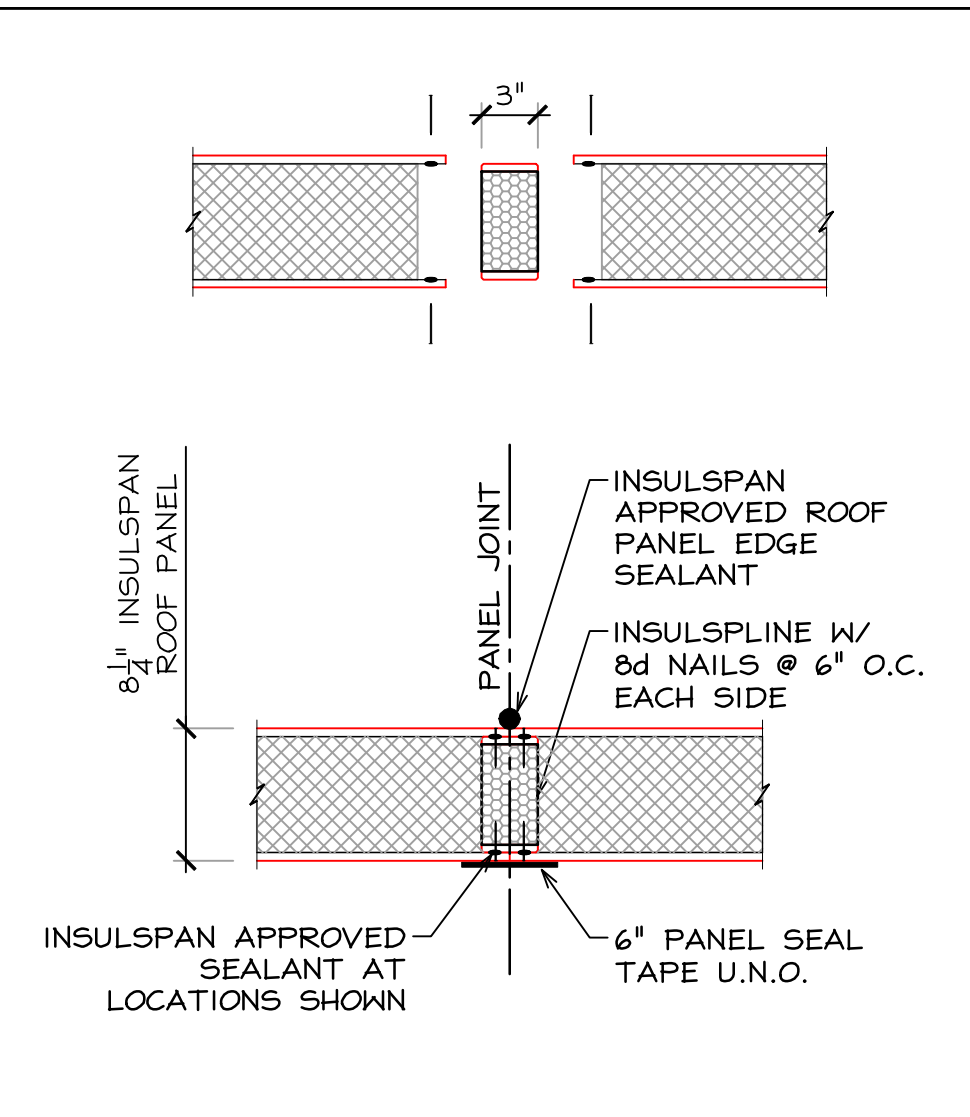
3 T-WALL
P-2 SCALE: 1"=1'-0" PLAN VIEW



4 RAKE
P-4 SCALE: 1"=1'-0"



5 CLERESTORY WALL
P-4 SCALE: 1"=1'-0"



(RI)-ROOF INSULSPLINE
SCALE: 1"=1'-0"

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