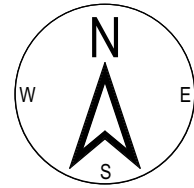
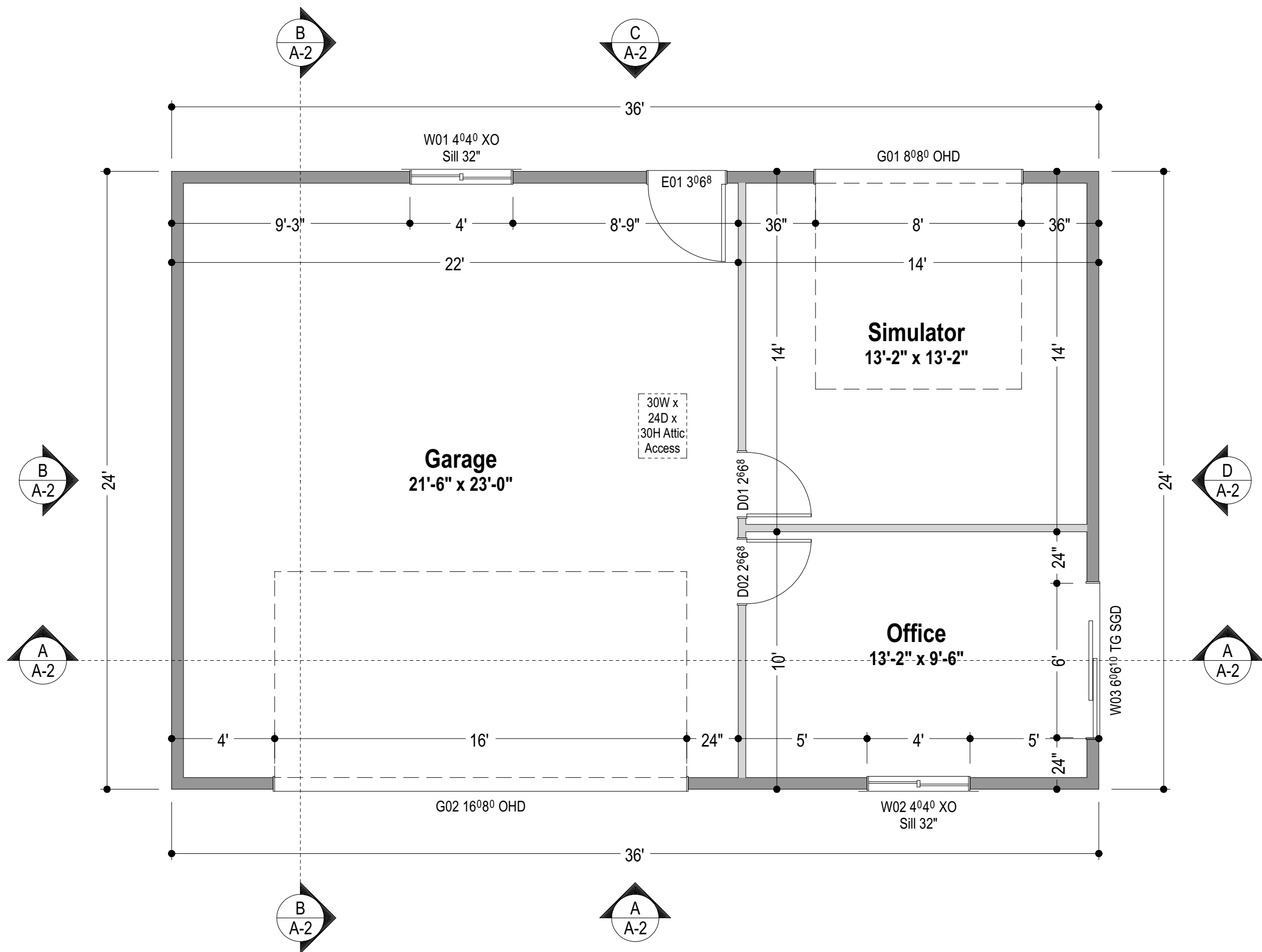


Foundation Plan - EHD-1008641-G
Scale: 1/4 in = 1 ft



1st Floor Plan - EHD-1008641-G
Scale: 1/4 in = 1 ft

2021 WA State Energy Code Information - Table R402.1.2 INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT	
All Climate Zones	U-Factor (A)
Fenestration U-Factor (B)	0.30
Skylight U-Factor	0.50
Ceiling U-Factor	0.024
Above Grade Wall U-Factor (See Note Below)	0.056
Floor U-Factor	0.029
Slab on Grade F-Factor	0.54
Below Grade (2' Depth)	
Wall U-Factor	0.042
Slab F-Factor	0.59
Below Grade (3.5' Depth)	
Wall U-Factor	0.040
Slab F-Factor	0.56
Below Grade (7' Depth)	
Wall U-Factor	0.035
Slab F-Factor	0.50

For SI: 1 foot = 304.8 mm, ci = continuous insulation, int = intermediate framing.

A) U-factors or F-factors shall be obtained from measurement, calculation or an approved source, or as specified in Section R402.1.5.

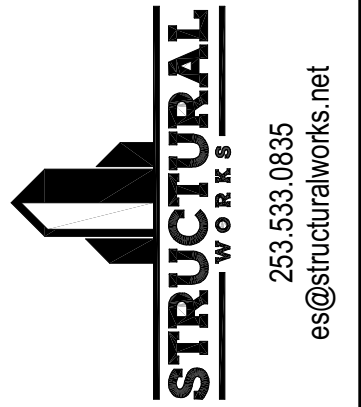
B) A maximum U-factor of 0.32 shall apply to vertical fenestration products installed in buildings located above 4000 feet in elevation above sea level, or in wind-borne debris regions where protection of openings is required under Section R301.2.1.2 of the International Residential Code.

*Above Grade Walls - R402 Building thermal envelope shall meet the requirements of this chapter. This section allows the ability to exclude ext continuous insulation through a prescriptive design.

- Footnote (a.) for Table R402.1.2 states that U-factors or F-factors shall be obtained from **measurement, calculations, or an approved source**, or as specified in **Section R402.1.5**.
- R402.1.5 states if the proposed building thermal envelope UA is less than or equal to the target UA, the building shall be considered in compliance with Table R402.1.2.
- R402.1.5 directs you to R402.1.6. R406.1.6 directs you to **Appendix A** of the Commercial energy code.
- Appendix A of the Commercial energy code Table A103.3.1(5) identifies a 2x6 single wood stud wall with an R-21 batt, constructed with either an "intermediate or advanced" framing both having a UA rating less then .056 which is compliant with table R402.1.2.
- A103.2.2 Intermediate.** Studs framed on 16" centers with double top plate and single bottom plate. Corners use two studs or other means of fully insulating corners, and each opening is framed by two studs. Headers shall be insulated with R-10 insulation. Interior partition wall/exterior wall intersections are fully insulated in the exterior wall.

Fuel Normalization Credits for the 2021 WSEC		
Option	Description	Credit (R2)

Legal Description		Applicable Codes	
Section 25 Township 21 Range 02 Quarter 33 BERNHARDY: BERNHARDY L 1 & 2 B 1213		2021 International Building Code (IBC) 2021 International Residential Code (IRC) 2021 IRC WAC Amendments 2021 Washington State Energy Code (WSEC)	
Project Information		Hebrews 3:4 (NIV) - For every house is built by someone, but God is the builder of everything.	
Design Criteria		Square Foot Totals	
Ground Snow Load: 25 LBS Roof Snow/Live Load: 25 LBS Floor Live Load: 40 LBS Deck Live Load: 60 LBS Wind Speed (ASD): 85 MPH Wind Speed (ULT): 110 MPH Exposure: B Seismic Design Cat: D Frost Depth: 1'-0"		Total Conditioned Area Garage 532 ft² Office 141 ft² Simulator 192 ft² Total Unconditioned Area 865 ft² Total Structure Area 865 ft²	
Drafting Manager: Jared Baehmer Elevation Home Designs LLC 318 39th Ave SW Suite A Puyallup, WA 98373 866.657.4371		Engineer of Record: Erin Sahin, P.E. Structural Works, PLLC 253.533.0835 es@structuralworks.net	
Sheet Index		Project Cover Sheet	
Label	Pg #	Title	
A-1	1	Project Cover Sheet	
A-2	2	Elevations	
S0.0	3	Structural Notes	
S0.1	4	Structural Notes	
S1.0	5	Building Plans	
S2.0	6	Structural Details	
S3.0	7	Structural Details	
S4.0	8	Structural Details	
Printed On: 10/1/2025 09:45:20		Layout Sheet # 1 of 8	
Sheet:		A-1	



ELEVATION
Elevation Home Designs LLC
318 39th Ave SW Suite A | Puyallup, WA 98373
PH: 866.657.4371 | elevationhd.com

Alyssa Gidea
4802 N 29th St
Tacoma, WA 98407
Parcel # - 2465000640

Disclaimers:
• These plans are the exclusive property of Elevation Home Designs (EHD) and may not be sold to any other party without the written consent of EHD.
• These plans are for EHD's customer - Alyssa Gidea and to be built on the customer's site at 4802 N 29th St in Tacoma, WA 98407.
• Elevation Home Designs LLC is not responsible for any errors or omissions in these plans or for any construction work under the design.
• Under such protection, any unauthorized use of these plans, the design in whole or part, can result in monetary compensation to Elevation Home Designs.
• Elevation Home Designs LLC is not responsible for any errors or omissions in these plans or for any construction work under the design.
• Elevation Home Designs LLC is not responsible for any errors or omissions in these plans or for any construction work under the design.
• Elevation Home Designs LLC is not responsible for any errors or omissions in these plans or for any construction work under the design.

Project Cover Sheet

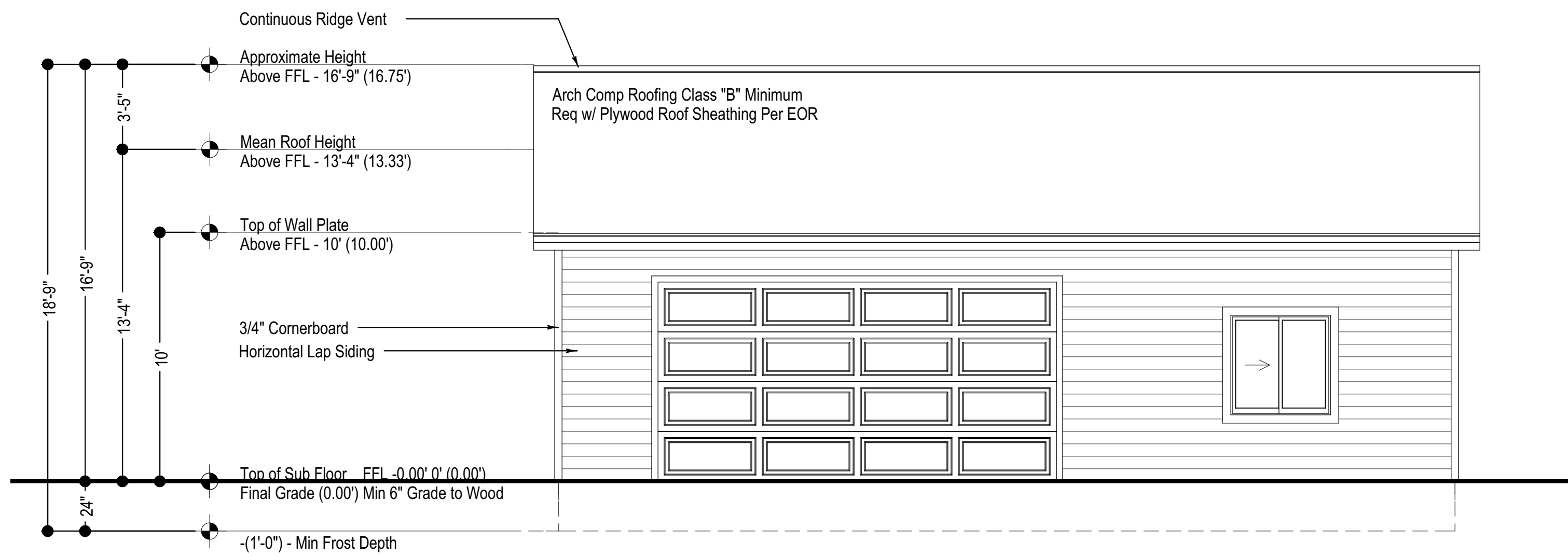
Elevation Home Designs
Job # : 25-0068

Printed On:
10/1/2025 09:45:20

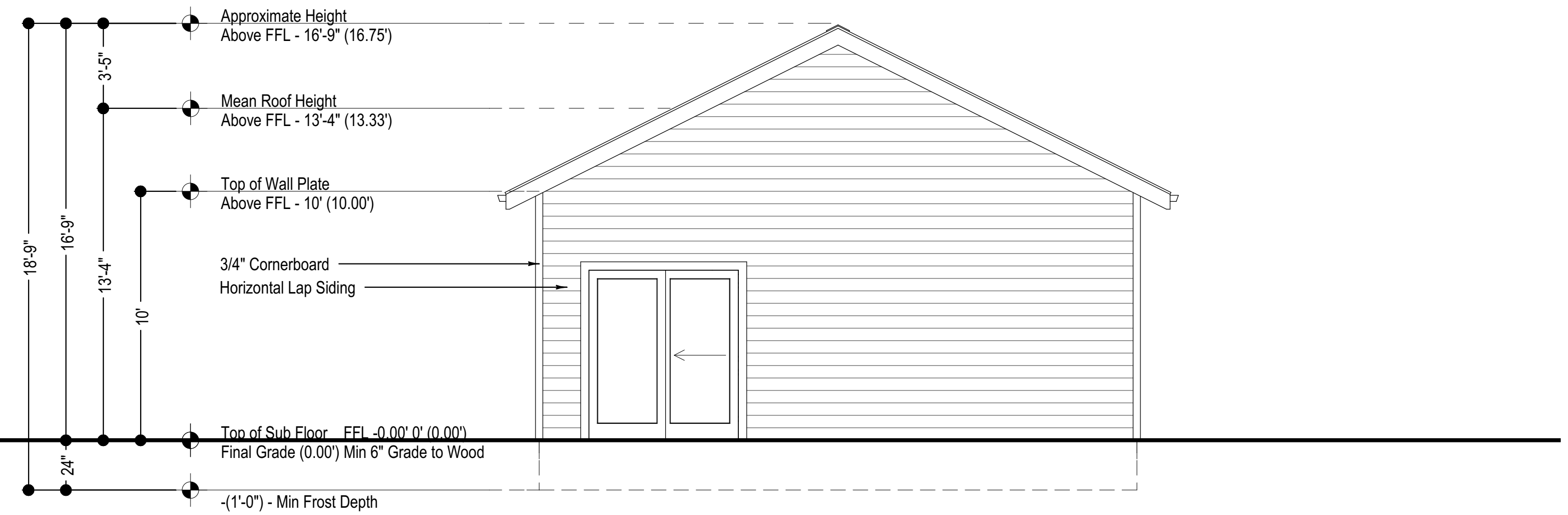
Layout Sheet #
1 of 8

Sheet:

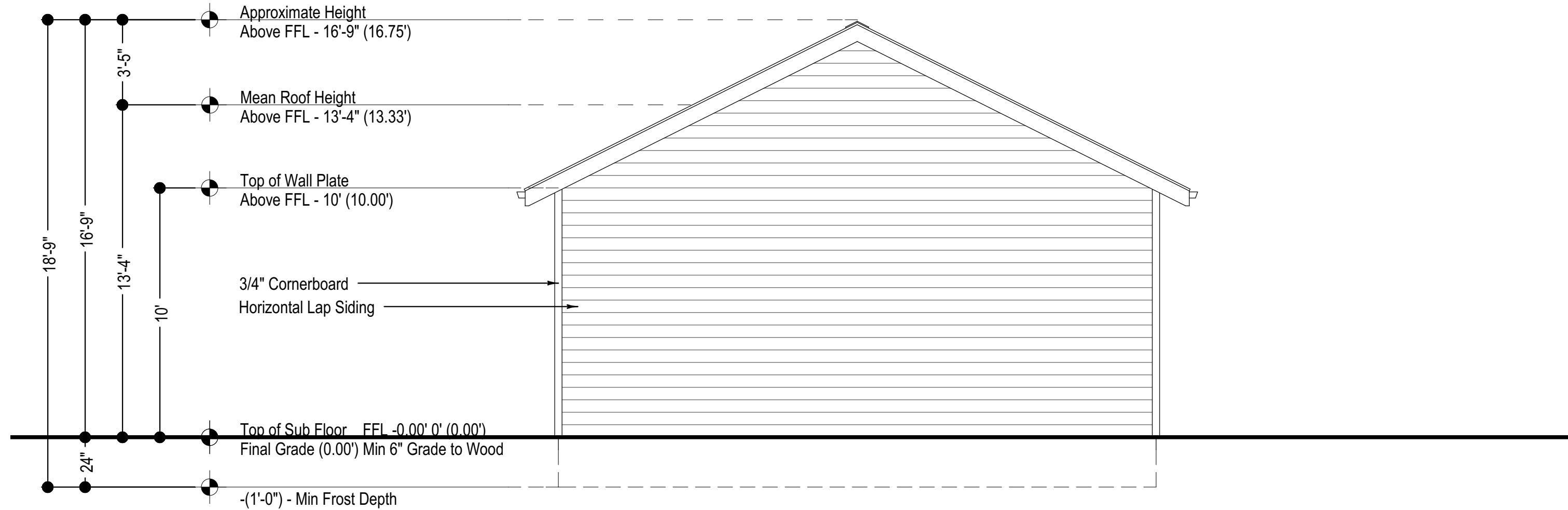
Address Must be Located on House Where it is Easily Seen from the Main Access Road.



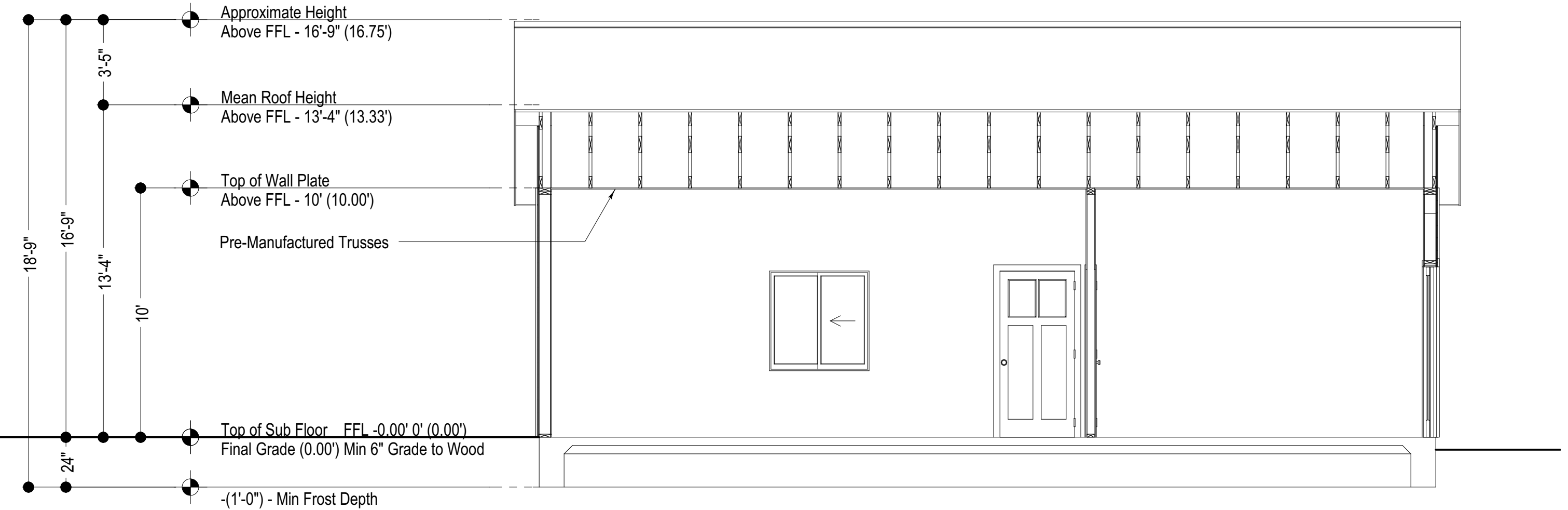
Elevation A - EHD-1008641-G
Scale: 1/4 in = 1 ft



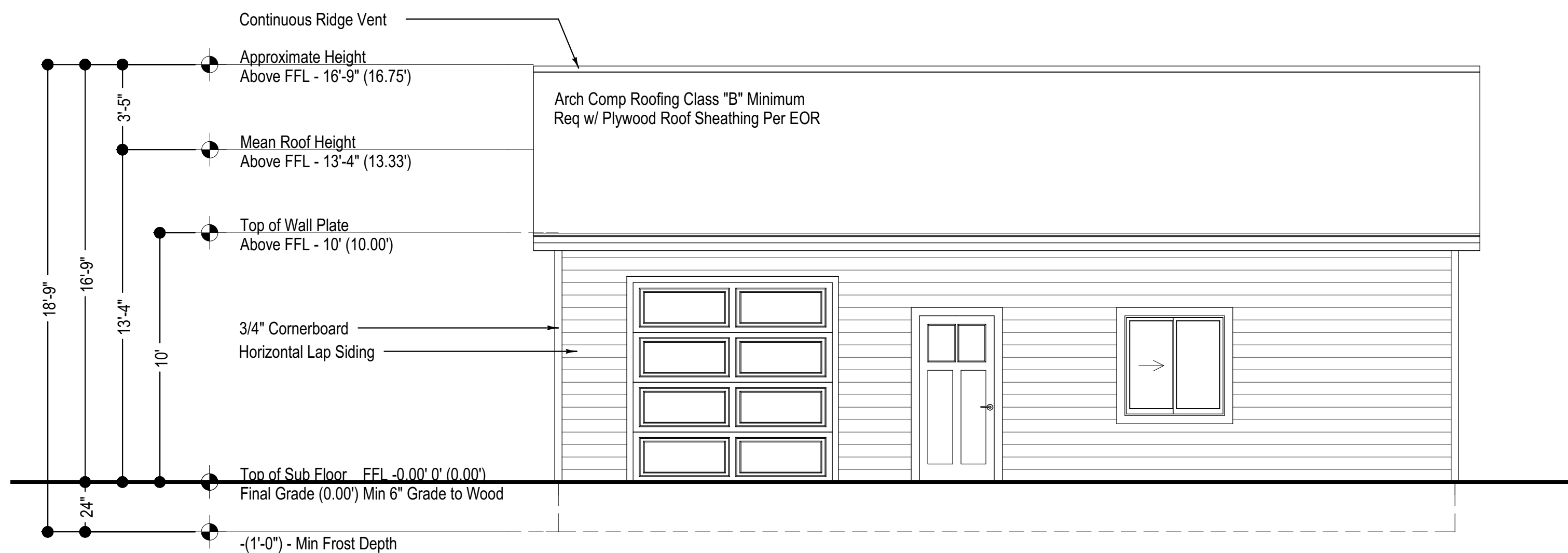
Elevation D - EHD-1008641-G
Scale: 1/4 in = 1 ft



Elevation B - EHD-1008641-G
Scale: 1/4 in = 1 ft



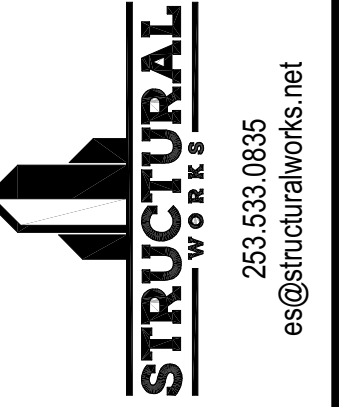
Cross Section A - EHD-1008641-G
Scale: 1/4 in = 1 ft



Elevation C - EHD-1008641-G
Scale: 1/4 in = 1 ft



Cross Section B - EHD-1008641-G
Scale: 1/4 in = 1 ft



ELEVATION
Elevation Home Designs LLC
318 39th Ave SW Suite A | Puyallup, WA 98373
PH: 866.657.4371 | elevationhd.com

Alyssa Gildea
4802 N 29th St
Tacoma, WA 98407
Parcel # - 2465000640
ARCH D (24" x 36") Size Paper Only, U

© 2007 The Authors
Journal compilation © 2007 Blackwell Publishing Ltd

Elevations

Evolution Home Designs
Job # : 25-0068

Printed On:
10/1/2025 09:45:20

Layout Sheet #
2 of 8

et:

4-2

CARPENTRY:

NAILS: CONNECTION DESIGNS ARE BASED ON "COMMON WIRE" NAILS WITH THE FOLLOWING PROPERTIES:

PENNYWEIGHT	DIAMETER (INCHES)	LENGTH (INCHES)	TRACKER** COLOR CODED NAILS
8d	0.131	2-1/2	BLUE
10d	0.148	3	PURPLE
16d	0.162	3-1/2	ORANGE
20d	0.192	4	-

FOR DIAPHRAGM OR SHEAR WALL NAILING THE FOLLOWING FASTENER TYPES MAY BE USED AT EQUIVALENT SPACING TO THAT SPECIFIED ON PLANS:

FASTENER TYPE	DIAMETER (INCHES)	LENGTH (INCHES)	EQUIVALENT SPACING (INCHES)			TRACKER** COLOR CODED NAILS
8d COMMON WIRE	0.131	2-1/2	6	4	3	BLUE
8d "DIPPED GALV. BOX"	0.131	2-1/2	6	4	3	-
8d "SHINY BOX"	0.113	2-1/2	4-1/2	3	2-1/2	YELLOW
12 GA. STAPLES	0.1055	1-7/8*	6	5-1/2	4	-
14 GA. STAPLES	0.080	1-1/2*	6	4	3	-
15 GA STAPLES	0.072	1-1/2*	5	3	2-1/2	-
10d COMMON WIRE	0.148	3	6	4	3	PURPLE
10d "HOT DIPPED GALV. BOX"	0.148	3	6	4	3	-
10d "SHINY BOX"	0.128	3	4-1/2	3	2-1/4	WHITE

*BASED ON 15/32" PLYWOOD OR OSB.

**REFERENCE TO COLOR CODED NAILS PER TRACKERS SYSTEM.

WOOD SHEATHING (STRUCTURAL): SHEATHING SHALL BE PLYWOOD OR ORIENTED STRAND BOARD. PLYWOOD SHEATHING SHALL BE 5-PLY MINIMUM WHERE INDICATED AS 3/4" OR THICKER. WOOD SHEATHING SHALL BE "STRUCTURAL I" CONFORMING TO PS1-09 AND/OR PS2-10. ALL PANELS SHALL BEAR THE STAMP OF AN APPROVED GRADING AGENCY. SPAN RATING SHALL BE PROVIDED AS FOLLOWS: ROOF FRAMING AT 32"O.C. (48/24); ROOF FRAMING AT 24"O.C. (32/16); WALLS (32/16); FLOORS (48/24) ALL WOOD SHEATHED WALLS SHALL BE BLOCKED AT ALL PANEL EDGES UNLESS NOTED OTHERWISE.

GLUE-LAMINATED MEMBERS: CONFORM TO ANSI/AITC A190.1. MEMBERS SHALL BE COMBINATION 24F-V4 DOUGLAS FIR (DF) FOR SIMPLE SPANS AND 24F-V8 DF FOR CANTILEVERED SPANS (Fb=2400 PSI, Fv=265 PSI, E= 1.8x10^6 PSI) AND DF COMBINATION 2 FOR COLUMNS. ARCHITECTURAL APPEARANCE GRADE WHERE EXPOSED TO VIEW; INDUSTRIAL APPEARANCE GRADE WHERE NOT EXPOSED TO VIEW. ALL MEMBER TO HAVE EXTERIOR GLUE AND HAVE AITC OR APA-EWS STAMP. CAMBER AS SHOWN ON STRUCTURAL DRAWINGS.

FRAMING LUMBER: STANDARDS. EACH PIECE SHALL BEAR THE GRADE TRADEMARK OF THE WEST COAST LUMBER INSPECTION BUREAU (WCLIB), WESTERN WOOD PRODUCTS ASSOCIATION (WWPA), OR OTHER AGENCY ACCREDITED BY THE AMERICAN LUMBER STANDARD COMMITTEE (ALSC) TO GRADE UNDER ALSC CERTIFIED GRADING RULES.

SPECIES AND GRADE (BASE DESIGN VALUE)

- 6x BEAMS AND HEADERS. "DOUG FIR-LARCH" NO. 1 (Fb=1350 PSI, Fv=170 PSI)
- 2x TO 4x JOISTS, PURLINS AND HEADERS. "DOUG FIR-LARCH" NO. 2 (Fb=900 PSI, Fv=180 PSI) OR "HEM-FIR" NO. 1 (Fb=975 PSI, Fv=150 PSI)
- 6x POSTS AND COLUMNS. "DOUG FIR-LARCH" NO. 1 (Fc=1000 PSI)
- EXTERIOR STUDS, INTERIOR BEARING WALLS AND 4x COLUMNS. "DOUG FIR-LARCH" NO. 2 (Fb= 900 PSI, Fc= 1350 PSI) OR "HEM-FIR" NO. 1 (Fb=975 PSI, Fc=1350 PSI).
- INTERIOR NON-BEARING STUD WALLS. "DOUG FIR-LARCH" NO. 2 (Fb=900 PSI. Fc=1350 PSI) OR "HEM-FIR" NO. 1 (Fb=975 PSI, Fc=1350 PSI)

STRUCTURAL COMPOSITE LUMBER (SCL): SHALL BE MANUFACTURED BY WEYERHOUSER, OR PRE-APPROVED EQUAL IN ACCORDANCE WITH APPROVED SHOP AND INSTALLATION DRAWINGS CONFORMING TO A CURRENT ICC EVALUATION REPORT.

MIINIMUM DESIGN VALUES:

- 2x LVL: Fb = 1700 PSI, Fv = 285 PSI, E = 1300 KSI
- 1-3/4" LVL: Fb = 2600 PSI, Fv = 285 PSI, E = 1800 KSI
- 3-1/2" LVL: Fb = 2900 PSI, Fv = 285 PSI, E = 2000 KSI
- 5-1/4" LVL: Fb = 2900 PSI, Fv = 285 PSI, E = 2000 KSI
- RIMBOARD:APA/EWS PERFORMANCE RATED RIM (PRR-401) 1-1/4" MINIMUM THICKNESS

PRESERVATIVE TREATED WOOD REQUIREMENTS:

TREATMENTS OTHER THAN THOSE LISTED BELOW ARE NOT PERMITTED.

		APPLICATION	SPECIFIED MATERIAL	PRESERVATIVE TREATMENT (1)	CONNECTORS & FASTENERS (2)(3)
EXPOSURE	DRY	FOUNDATION SILL PLATES, TOP PLATES & LEDGERS ON CONCRETE OR MASONRY WALLS (4)	2x, 4x, 6x (FIR), OR GLULAM (SP)	SBX	GALV (G60)
				ACQ, CBA, CA	GALV (G185)
	WET	FRAMING, DECKING, POSTS & LEDGERS	2x, & 4x (FIR)	ACQ, CBA, CA	GALV (G185)
			2x, & 4x (CEDAR)	NONE	GALV (G90)
		BEAMS & COLUMNS	6x (FIR), OR GLULAM (SP)	ACQ, CBA, CA	GALV (G185)
			6x OR GLULAM (CEDAR)	NONE	GALV (G90)

- CCA: CHROMATED COPPER ARSENATE NOT PERMITTED
SBX: DOT SODIUM BORATE
ACQ: ALKALINE COPPER QUAT
CBA & CA: COPPER AZOLE
FIR: DOUG-FIR OR HEM-FIR
SP: SOUTHERN PINE
- CONNECTORS: JOIST HANGERS, STRAPS, FRAMING CONNECTORS, COLUMN CAPS AND BASES, ETC.
FASTENERS: MACHINE BOLTS, ANCHOR BOLTS AND LAG SCREWS WITH ASSOCIATED PLATE WASHERS AND NUTS. NAILS, SPIKES, WOOD SCREWS, ETC.
- G60, G90 & G185 PER ASTM A653 FOR COLD-FORMED STEEL CONNECTORS. BATCH/POST HOT-DIP GALVANIZED PER ASTM A123 FOR CONNECTORS. HOT-DIP GALVANIZED PER ASTM A153 FOR FASTENERS OR MECHANICALLY GALVANIZED FASTENERS PER ASTM B695, CLASS 55 OR GREATER.

GENERAL REQUIREMENTS: PROVIDE MINIMUM NAILING PER IBC TABLE 2304.10.1 OR MORE, AS OTHERWISE SHOWN. STAGGER ALL NAILING TO PREVENT SPLITTING OF WOOD MEMBERS. ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESERVATIVE TREATED WITH THE EXCEPTION OF INTERIOR CONCRETE TOPPINGS ON WOOD FLOOR SYSTEMS. HOLES AND CUTS IN 3x OR 4x PLATES SHOULD BE TREATED WITH A 9% SOLUTION OF COPPER NAPHTHENATE. BOLT HOLES IN WOOD MEMBERS SHALL BE A MINIMUM OF 1/32" TO A MAXIMUM OF 1/16" LARGER THAN THE BOLT DIAMETER. PROVIDE CUT WASHERS WHERE BOLT HEADS, NUTS AND LAG SCREW HEADS BEAR ON WOOD. PROVIDE A MINIMUM 3"x3"x0.229" PLATE WASHER ON ALL ANCHOR BOLTS WHICH CONNECT MUD SILLS TO FOUNDATION. DO NOT NOTCH OR DRILL STRUCTURAL MEMBERS, EXCEPT AS ALLOWED BY IBC SECTIONS 2308.4.2.4, 2308.5.9, 2308.5.10 AND 2308.7.4 OR AS RESTRICTED BY PLANS OR DETAILS, OR AS APPROVED PRIOR TO INSTALLATION. REFER TO PRESERVATIVE TREATED WOOD REQUIREMENTS IN THESE GENERAL NOTES FOR GALVANIZING REQUIREMENTS FOR CONNECTORS AND FASTENERS.

FASTENING SCHEDULE FOR WOOD STRUCTURAL MEMBERS (UNLESS NOTED OTHERWISE ON PLANS)		
ITEM	TYPE	CONNECTION
RAFTER OR TRUSS TO TOP PLATE	TOENAIL & CONNECTOR	(3) 16d H2.5 @ 48" O.C.
CEILING JOIST TO TOP PLATE	TOENAIL	(3) 8d
CEILING JOIST TO PARALLEL RAFTER	FACE NAIL	(3) 16d
CEILING JOIST: LAP OVER PARTITION	FACE NAIL	(3) 16d
COLLAR TIE	FACE NAIL	(3) 16d
BLOCKING TO RAFTER	TOENAIL	(3) 8d
RIM BOARD TO RAFTER	END NAIL	(2) 16d
TOP PLATE TO TOP PLATE	FACE NAIL	(2) 16d @ 12" O.C.
TOP PLATE AT INTERSECTIONS	FACE NAIL	(4) 16d
TOP PLATE LAP	FACE NAIL	(8) 16d
STUD TO STUD	FACE NAIL	(2) 16d @ 24" O.C.
HEADER TO HEADER	FACE NAIL	16d @ 16" O.C. EA. EDGE
TOP OR BOTTOM PLATE TO STUD	END NAIL	(2) 16d
STUD TO SOLE PLATE	TOE NAIL	(4) 8d
	END NAIL	(2) 16d
BOTTOM PLATE TO FLOOR JOIST AT BRACED PANEL	TOE NAIL	16d @ 16" O.C.
	FACE NAIL	(3) 16d @ 16" O.C.
JOISTS TO TOP PLATE, SILL OR GIRDER	TOE NAIL	(4) 8d
BRIDGING TO JOIST	TOE NAIL	(2) 8d
BLOCKING TO JOISTS	TOE NAIL	(3) 8d
BLOCKING TO TOP PLATE	TOE NAIL	(3) 8d
RIM JOIST TO JOIST	FACE NAIL	(3) 16d
RIM JOIST TO SILL OR TOP PLATE	CONNECTOR	A35 @ 24" O.C.
CONTINUOUS HEADER TO STUD	CONNECTOR	A35
BUILT-CORNER STUDS	FACE NAIL	16d @ 24" O.C.
BUILT-UP BEAMS (PER LAYER)	FACE NAIL	16d @ 16" O.C. EA. EDGE
RAFTERS TO RIDGE BOARD	TOE NAIL	(4) 16d
	FACE NAIL	(3) 16d
RAFTERS TO HIP	TOE NAIL	(4) 16d
	FACE NAIL	(3) 16d


FRAMING CONNECTORS: SHALL HAVE ICC APPROVAL AND BE MANUFACTURED BY SIMPSON STRONG-TIE COMPANY, SAN LEANDRO, CA., OR PRE-APPROVED EQUAL. PROVIDE MAXIMUM SIZE AND QUANTITY OF NAILS OR BOLTS PER MANUFACTURER, EXCEPT AS NOTED OTHERWISE. PROVIDE LEAD HOLES AS REQUIRED TO PREVENT SPLITTING OF WOOD MEMBERS. REFER TO PRESERVATIVE TREATED WOOD REQUIREMENTS IN THESE GENERAL NOTES FOR GALVANIZING REQUIREMENTS FOR CONNECTORS AND FASTENERS.

LAG SCREWS: SHALL CONFORM TO ANSI/ASME STANDARD B18.2.1. LAG SCREWS SHALL BE OF A DIAMETER INDICATED ON DRAWINGS WITH A MINIMUM OF 8x DIA. EMBEDMENT IN SUPPORTING MEMBER UNLESS NOTED OTHERWISE. CLEARANCE HOLE FOR THE SHANK SHALL BE THE SAME DIAMETER AS THE SHANK AND THE SAME DEPTH OF PENETRATION AS THE UNTHREADED PORTION OF THE SHANK. THE LEAD HOLE FOR THE THREADED PORTION SHALL HAVE A DIAMETER EQUAL TO 60 TO 75 PERCENT OF THE SHANK DIAMETER AND A LENGTH EQUAL TO AT LEAST THE LENGTH OF THE THREADED PORTION. THE THREADED PORTION OF THE SCREW SHALL BE INSERTED IN ITS LEAD HOLE BY TURNING WITH A WRENCH. SOAP OR OTHER LUBRICANT SHALL BE USED ON THE SCREWS OR IN THE LEAD HOLE TO FACILITATE INSERTION AND PREVENT DAMAGE TO THE SCREW. LAG SCREWS SHALL NOT BE DRIVEN WITH A HAMMER. REFER TO PRESERVATIVE TREATED WOOD REQUIREMENTS IN THESE GENERAL NOTES FOR GALVANIZING REQUIREMENTS FOR CONNECTORS AND FASTENERS.

METAL-PLATE-CONNECTED WOOD TRUSSES: SHALL BE MANUFACTURED AND INSTALLED WITHIN THE JURISDICTION REQUIREMENTS, AND DESIGNED AND DETAILED IN ACCORDANCE WITH ANSI/TP-1, INCLUDING BRACING AND WIND UPLIFT. PROVIDE 2x6 TOP CHORDS, AND 2x4 BOTTOM CHORDS AND WEBS, UNLESS COORDINATED AND APPROVED. TRUSSES SHALL BE DESIGNED TO CARRY THE LOADS LISTED IN THE DESIGN CRITERIA AND ANY ADDITIONAL LOADS INDICATED ON THE FRAMING PLANS AND DETAILS. TRUSSES INDICATED ON PLANS ARE FOR TYPICAL UNIFORMLY LOADED CONDITIONS. MANUFACTURER SHALL PROVIDE ADDITIONAL OR SPECIAL TRUSSES AS REQUIRED TO SUPPORT SPECIAL LOADING CONDITIONS AS INDICATED ON DRAWINGS. PROVIDE INSTALLATION FRAMING PLANS AND DRAWINGS.

PROVIDE CERTIFICATE OF CONFORMANCE FROM AN INDEPENDENT TESTING LABORATORY OR A LICENSED PROFESSIONAL ENGINEER CERTIFYING THAT THEY HAVE INSPECTED THE FINISHED TRUSSES AND THAT ALL TRUSSES ARE CONSTRUCTED IN CONFORMANCE WITH THE TRUSS DESIGN DRAWINGS.

I-JOISTS: SHALL BE APA EWS PERFORMANCE RATED I-JOISTS (PRI) OR PRE-APPROVED EQUAL. I-JOISTS SHALL BE MANUFACTURED IN CONFORMANCE WITH APA PRI-400 CONFORMING TO APPROVED SHOP AND INSTALLATION DRAWINGS.



STRUCTURAL WORKS

253.533.0835
es@structuralworks.net

ELEVATION

Elevation Home Designs LLC
318 39th Ave SW Suite A | Puyallup, WA 98373
PH: 866.657.4371 | elevationhd.com

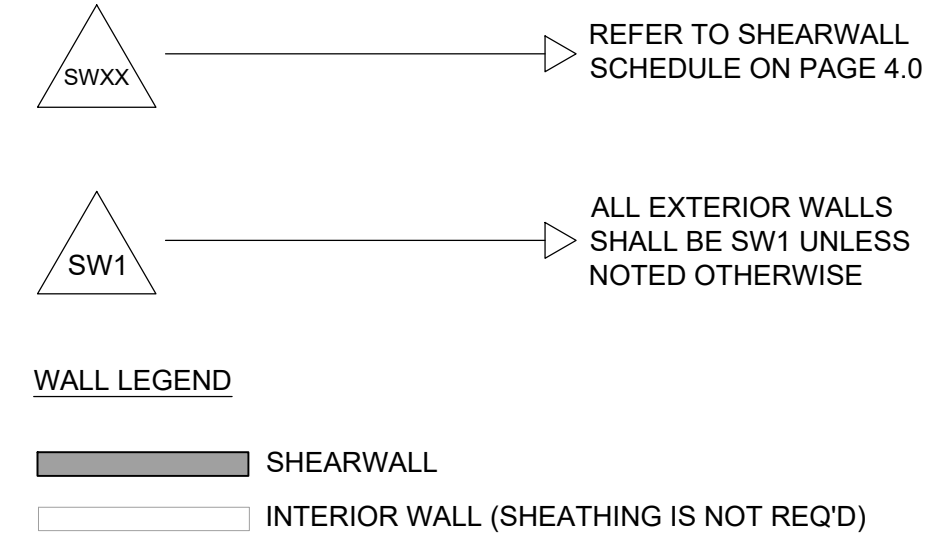
Alyssa Gidea

4802 N 29th St
Tacoma, WA 98407
Parcel # - 2465000640

Disclaimers:
These plans are exclusive property of Elevation Home Designs (EHD) and may not be sold to any person or business without expressed written consent of EHD. These plans are for use in the State of Washington only.
EHD's customer - Client Name and to be used on the customer's site in addition to City, ZIP, and Code.
COPYRIGHT NOTICE: These plans are copyrighted and are subject to copyright protection as an architectural work, under the copyright act, 17 USC, as amended December 1994. Under the copyright act, no part of these plans may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of Elevation Home Designs.
NOTICE: DO NOT SCALE: The written dimensions on this plan supersede any scaled measurements. It is the responsibility of the user to verify the accuracy of the dimensions and to ensure that the local conditions and the final selection of materials such as masonry, floor plans, lumber, structural members, construction panels, roofing, etc., all of which can create variations in dimension and details.

GENERAL NOTES

Elevation Home Designs
Job # : 24-XXXX
Printed On:
10/02/2025
Layout Sheet #
2 of 6
Sheet:
S0.1






1. DO NOT SCALE DRAWINGS, REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS.
2. ROOF FRAMING SHALL BE PRE-MANUFACTURED ROOF TRUSSES AT 24" O.C. TRUSS DESIGN IS TO BE PROVIDED BY MANUFACTURER.
3. HEADERS OVER DOORS AND WINDOW OPENINGS SHALL BE MINIMUM 4X10 U.O.O.
4. PROVIDE (2) STUDS MINIMUM AT EACH END OF ALL BEAMS U.N.O. ON PLANS. BEAR BEAM FULLY ON BUILT UP COLUMN AND PROVIDE POSITIVE CONNECTION BY EITHER A35 OR LTP4 CLIPS ON EACH SIDE OF BEAM
5. REFER TO GENERAL STRUCTURAL NOTE PAGE ON S0.0 FOR ADDITIONAL REQUIREMENTS
6. PANELS SHALL NOT BE LESS THAN 4' X 8' EXCEPT AT BOUNDARIES AND CHANGES IN FRAMING WHERE MINIMUM PANEL DIMENSION SHALL BE 24".

GHDR-1: 5-1/2" x 15" 24F-V4 DF GLULAM
GHDR-2: 6 x 12 DF-L NO.2
HDR: 4 x 8 DF-L NO.2 (UP TO 4'); 4 x 10 DF-L NO.2 (UP TO 6'); 4 x 12 DF-L NO.2 (UP TO 8')

ROOF SHEATHING SCHEDULE				
SNOW LOAD (UP TO)	NOMINAL THICKNESS	SPAN RATING	EDGE NAILING	FIELD NAILING
40LBS	7/16"	24/16	8d @ 6" O.C.	8d @ 12" O.C.
70LBS	15/32", 1/2"	32/16	10d @ 6" O.C.	10d @ 12" O.C.
130LBS	19/32", 5/8"	40/20	10d @ 6" O.C.	10d @ 12" O.C.
175LBS	23/32", 3/4"	48/24	12d @ 6" O.C.	12d @ 12" O.C.

- LONG DIMENSIONS PERPENDICULAR TO ROOF JOIST WITH EDGE SUPPORT R503.2.1.1(1).
- NAIL SHEATHING AT ALL FRAMED PANEL EDGES AND TO ALL INTERMEDIATE FRAMING AS SHOWN ABOVE U.N.O.

POST & TRIMMER & WALL SCHEDULE		
	(x3) 2x TRIMMERS + (x2) 2x KING STUDS.	• ALL TRIMMERS AND KING STUDS SHALL CONFORM PER DETAIL 6/S3.0 UNLESS NOTED OTHERWISE.
	(x2) 2x TRIMMERS + (x2) 2x KING STUDS.	
<input checked="" type="checkbox"/>	POST BELOW	<input checked="" type="checkbox"/> 6x6 POST
<input checked="" type="checkbox"/>	POST FROM ABOVE	<input checked="" type="checkbox"/> 4x4 POST
		<input checked="" type="checkbox"/> 4x6 POST

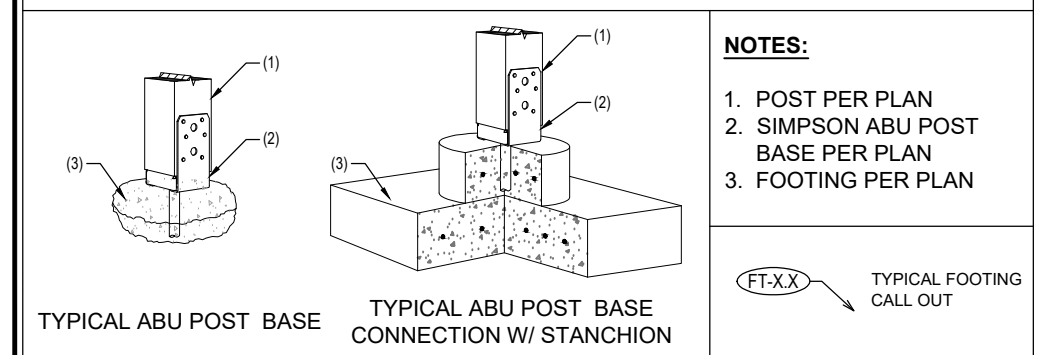
 LOAD BEARING WALL
 PARTITION WALL

- PLEASE SUBMIT TRUSS MANUFACTURER'S TRUSS LAYOUT FOR OUR APPROVAL PRIOR TO CONSTRUCTION.

1. DO NOT SCALE DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS.
2. BOTTOM OF EXTERIOR FOOTINGS SHALL BE MINIMUM 12" BELOW GRADE.
3. 4" CONCRETE SLAB OVER 6MIL VAPOR BARRIER ON 6" PF GRAVEL OR CRUSHED ROCK OVER FIRM UNDISTURBED SOIL OR ENGINEERED COMPACTED BACK-FILL. REINFORCE WITH 6 x 6 W14 x W1.4 WWF.
4. ALL WOOD IN CONTACT WITH CONCRETE SHOULD BE PRESSURE TREATED WOOD.
5. REFER TO GENERAL STRUCTURAL NOTES PAGE ON S0.0 FOR ADDITIONAL REQUIREMENTS.

FOOTING SCHEDULES							
TYPE	DIMENSIONS & REINFORCEMENT				MAX CAPACITY (LBS)		
	LENGTH & WIDTH	DEPTH	ROUND OPTION	LONG. & TRANS.			
				NO. SIZE	SQ	RND	
FT-1.5	18"	10"	18" Ø	3	#4	2750	2200
FT-2.0	24"	10"	24" Ø	4	#4	4750	3750
FT-2.5	30"	10"	30" Ø	5	#4	7500	6000
FT-3.0	36"	12"	36" Ø	5	#4	10500	8500
FT-3.5	42"	12"	-	6	#4	15000	-
FT-4.0	48"	12"	-	8	#4	18500	-
FT-5.0	60"	12"	-	8	#4	30000	-

IMPORTANT NOTE:
EXTERIOR FOOTINGS W/ FROST DEPTH UP TO 12" , USE 12" THICK
FOOTING. FROST DEPTH GREATER THAN 12", PLEASE USE
STANCHION AS SHOWN.



1. POSTS SHOWN ON THE FOUNDATION PLAN ARE THOSE DIRECTLY CONNECTED TO THE FOUNDATION WITH A HOLDOWN OR POST BASE CONNECTOR.
2. ALL FOOTINGS, FOUNDATIONS, EXCAVATIONS, GRADING, AND FILL SHALL COMPLY TO THE PROVISIONS OF THE INTERNATIONAL BUILDING CODE W/ LOCAL AMENDMENTS.
3. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL MEASUREMENTS AGAINST THE ARCHITECTURAL PLAN SET. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE EOR AND DESIGNER BEFORE FORMING AND/OR POURING CONCRETE.
4. ALL FOOTINGS CAPACITIES ARE SHOWN ABOVE BASED ON 1500 PSF SOIL BEARING PRESSURE.

ELEVATION
Elevation Home Designs LLC
3118 39th Ave SW Suite A | Puyallup, WA 98373
PH: 866.657.4371 | elevationhd.com

Alyssa Gildea
4802 N 29th St
Tacoma, WA 98407
Parcel # - 246500064

DISCLAIMERS: These are not the actual drawings of the product. They are exclusive property of Education Home Design (EHD) and may not be sold or any other way be used without the express written permission of EHD. These plans are for one (1) time use only for the personal use of EHD's customer - Client Name and will be built on the customer's site in Arizona in City, WA Zip Code.

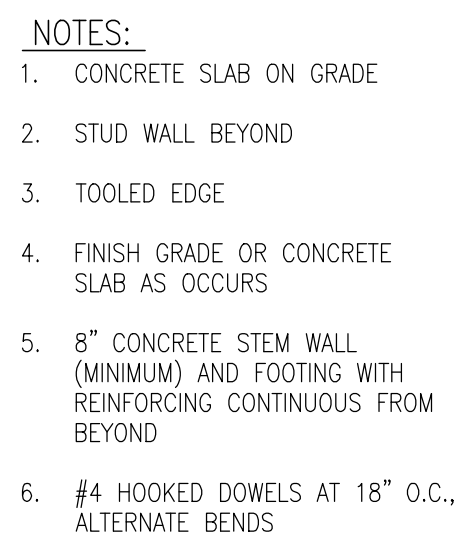
DISCLAIMER: COPYRIGHT NOTICE: These plans are copyrighted and are subject to copyright protection as an architectural work, under sec. 102 of the copyright act, 17 USC as amended December 1989. Under the copyright act, the design in whole or in part may not be copied, reproduced, or used in any way without the written permission of Education Home Design.

DISCLAIMER: DO NOT SCALE: The dimensions on this plan supersede any scaled measurements. It is the responsibility of the builder to check all dimension and details for overall accuracy appropriate to the local conditions and the first selection of materials such as masonry, floor joists, lumber, structural members, fasteners, construction practices, and so on, all of which can cause variations in dimension and details.

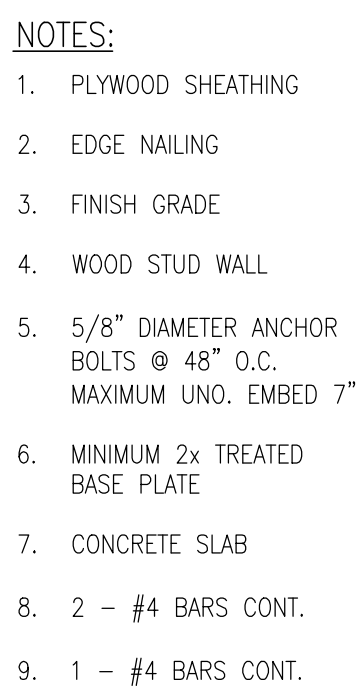
**STRCTRL
PLANS**

Elevation Home Designs
Job # : 24-XXXX
Printed On:
10/02/2025
Layout Sheet #
3 of 6

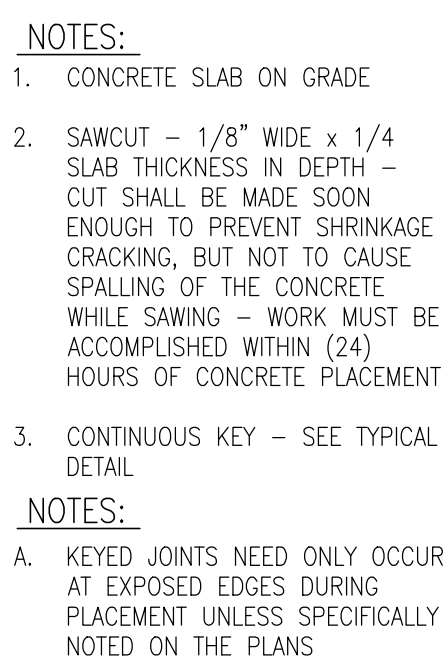
Sheet: **S1.0**



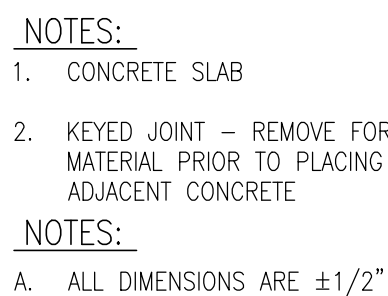
SCALE: N.T.S.



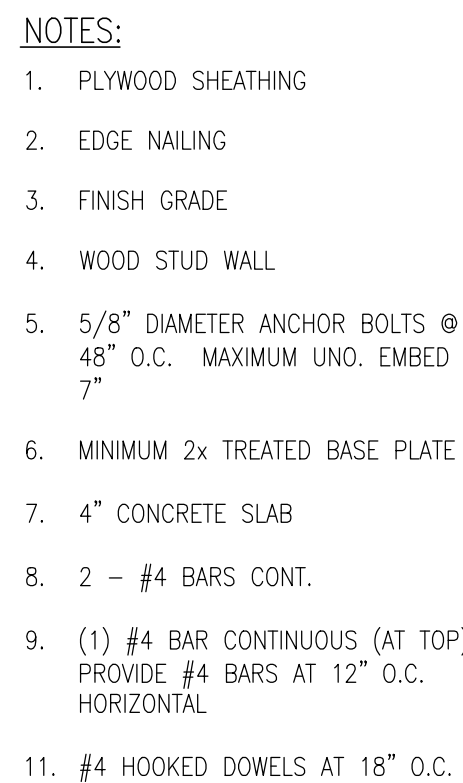
SCALE: N.T.S.



SCALE: N.T.S.



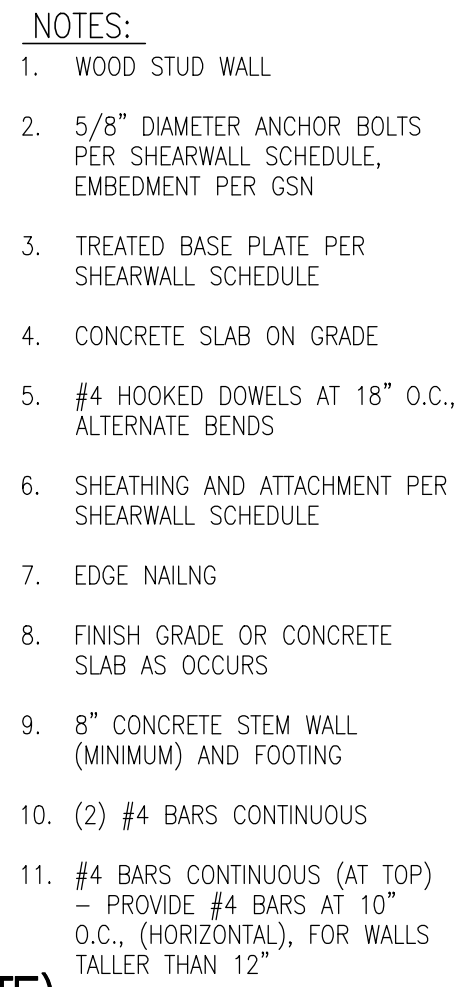
SCALE: N.T.S.



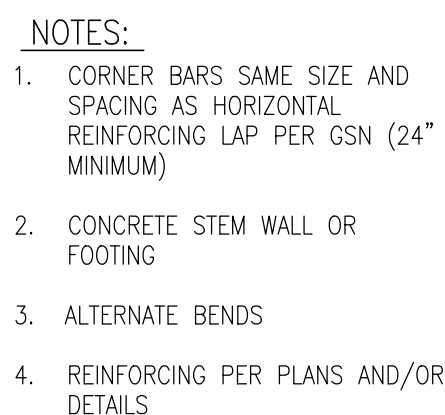
SCALE: N.T.S.



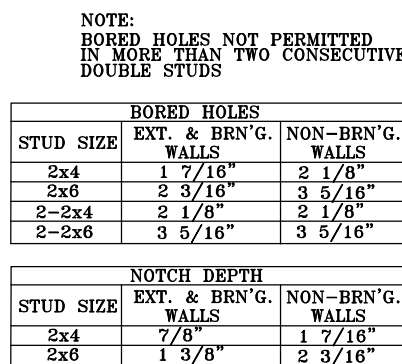
SCALE: N.T.S.



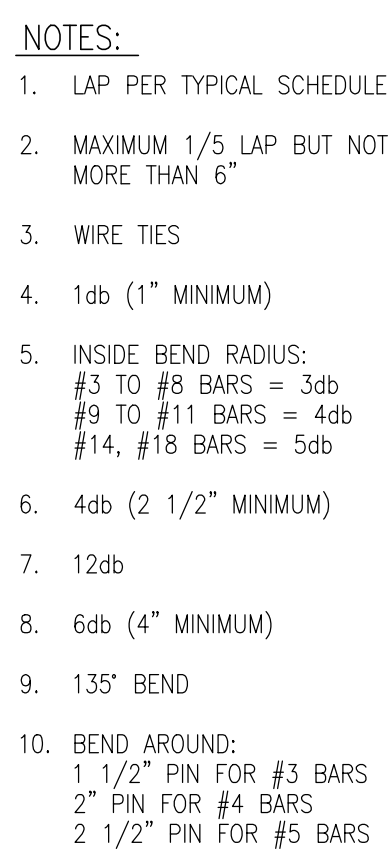
SCALE: N.T.S.



SCALE: N.T.S.



SCALE: N.T.S.

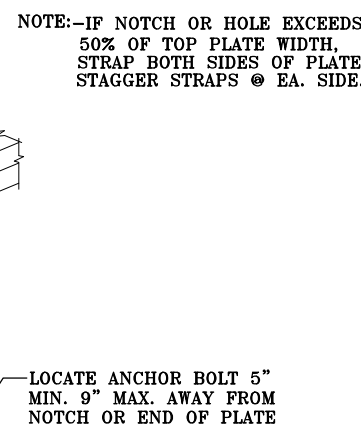


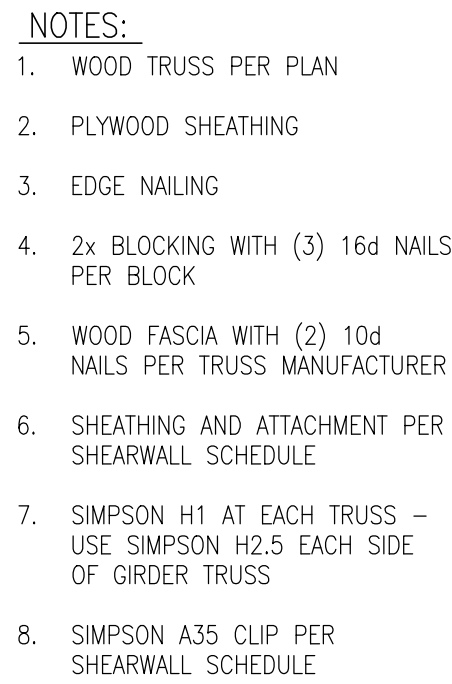
SCALE: N.T.S.

NOTES:

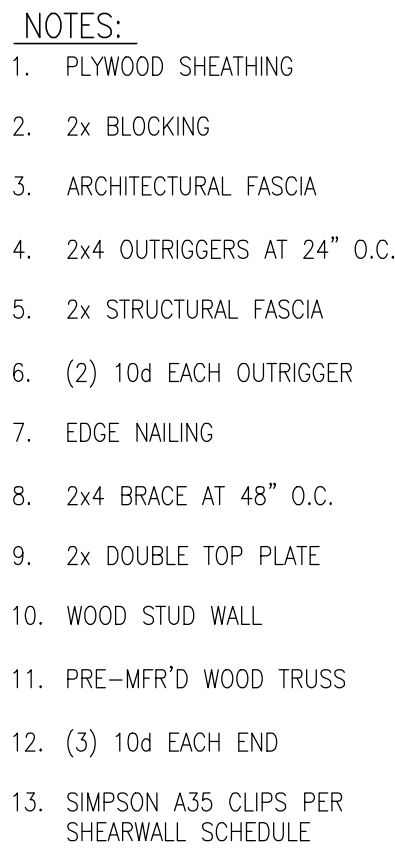
- A. TOP BARS ARE ANY HORIZONTAL BARS PLACED SO THAT MORE THAN 12" OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE REINFORCEMENT.
- B. UNLESS NOTED OTHERWISE, LAP SPICES IN CONCRETE BEAMS, SLABS, WALLS, AND FOOTINGS SHALL BE CLASS "B" TENSION LAP SPICES.
- C. CONTACT STRUCTURAL ENGINEER IF CENTER-TO-CENTER SPACING OF REINFORCEMENT IS LESS THAN (3) BAR DIAMETERS ($<3db$).
- D. LAP SPICES BASED UPON THE FOLLOWING STEEL PROPERTIES:

SCALE: N.T.S.

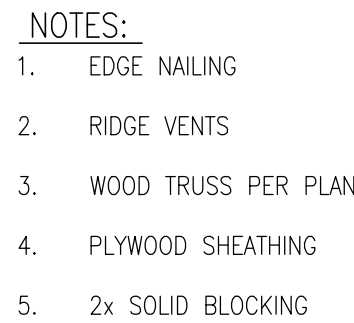




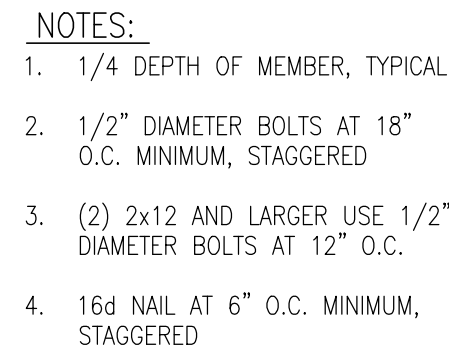
SCALE: N.T.S.



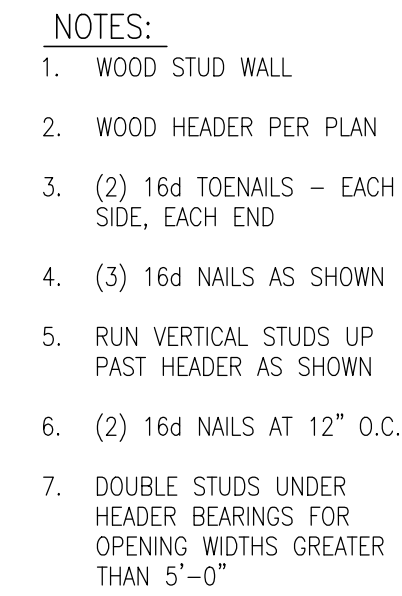
SCALE: N.T.S.



SCALE: N.T.S.



SCALE: N.T.S

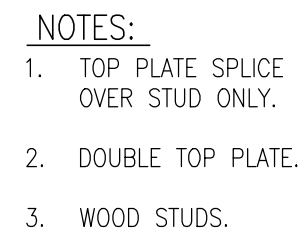


SCALE: N.T.S.

NOTES:

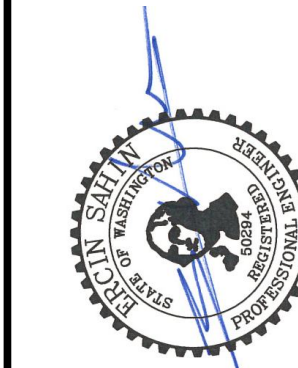
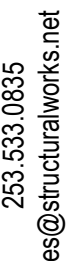
- UNLESS NOTED OTHERWISE, ALL BEAM AND HEADER SUPPORTS SHALL CONFORM TO THIS SCHEDULE
- ALL BUILT-UP SUPPORTS WILL MATCH OR EXCEED WIDTH OF SUPPORTED BEAM
- ALL HEADERS ARE TO BE 4X10 DF-L NO.2 UNLESS NOTED OTHERWISE

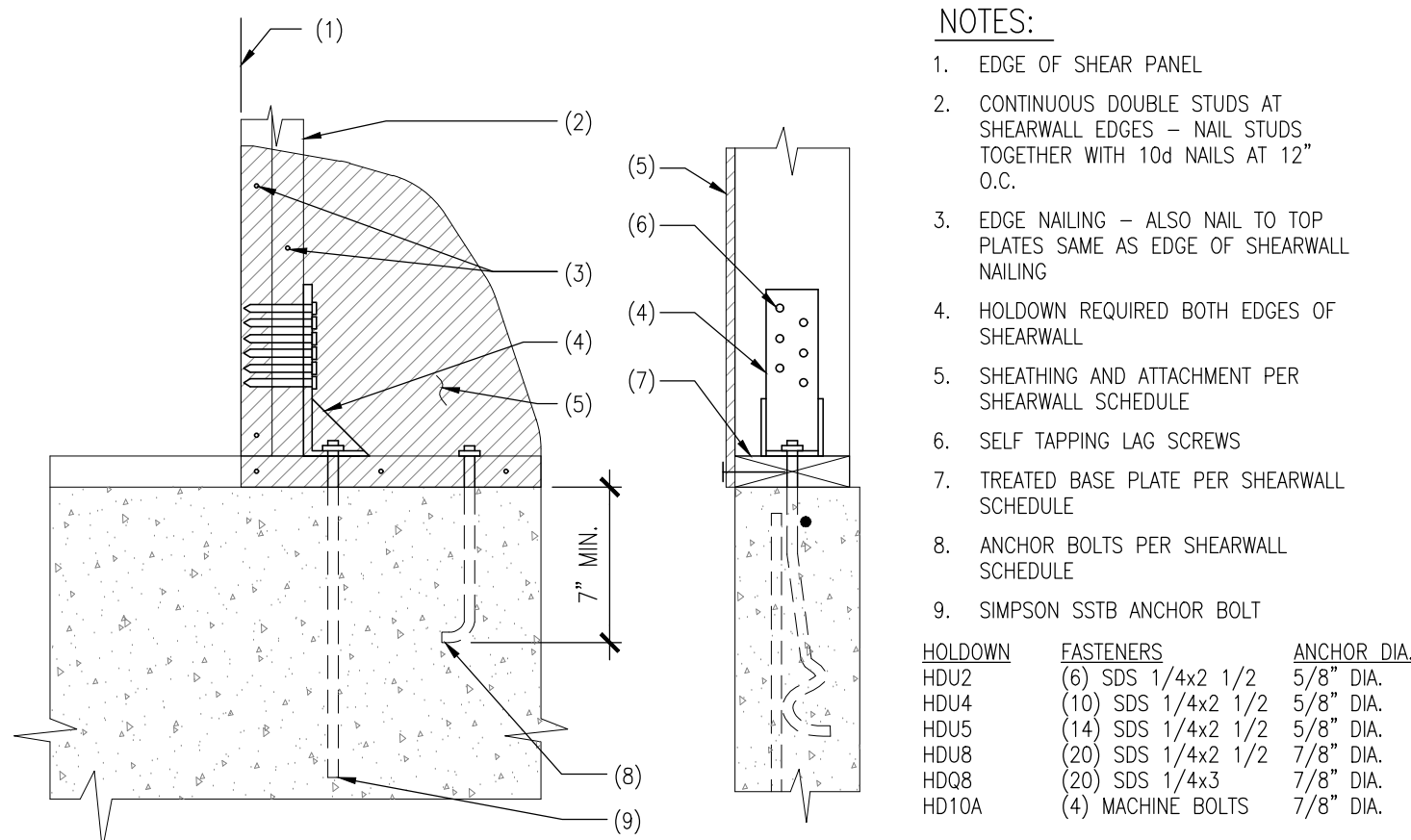
SCALE: N.T.S.



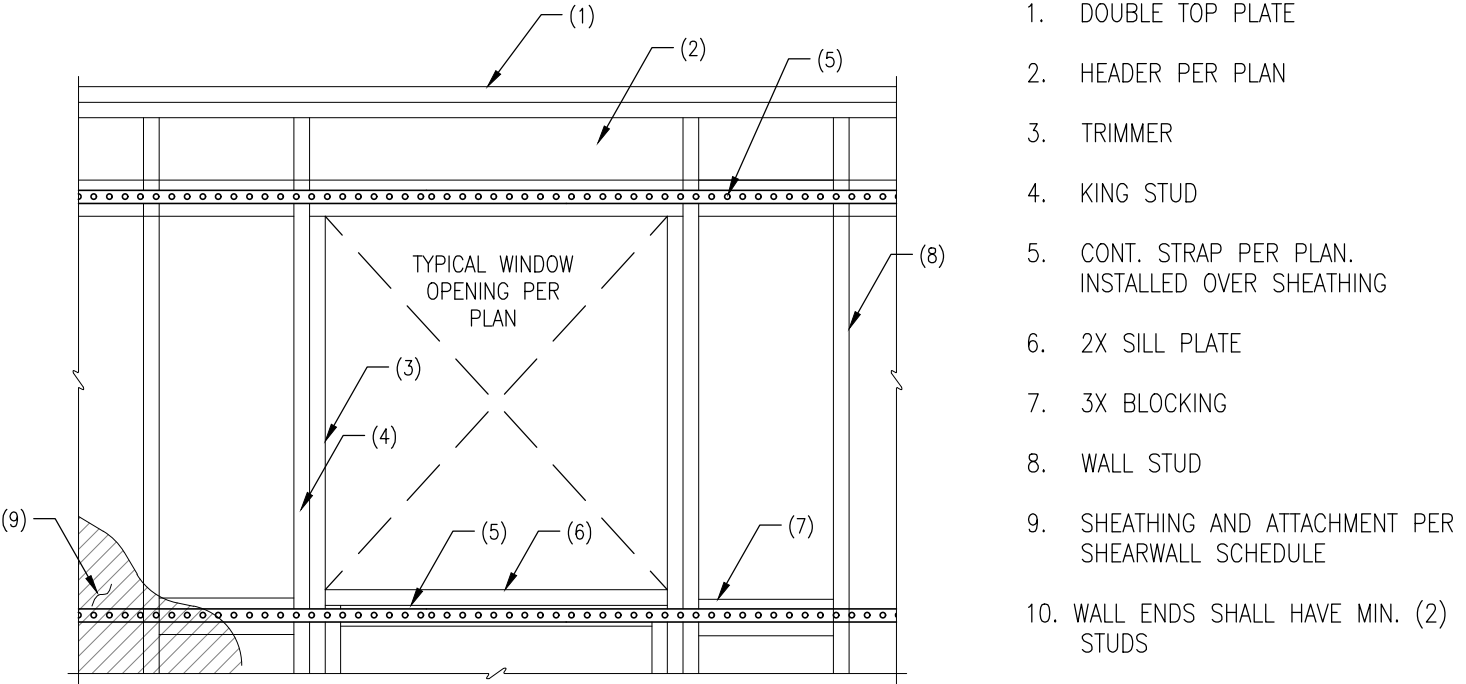
SCALE: N.T.S

33.0

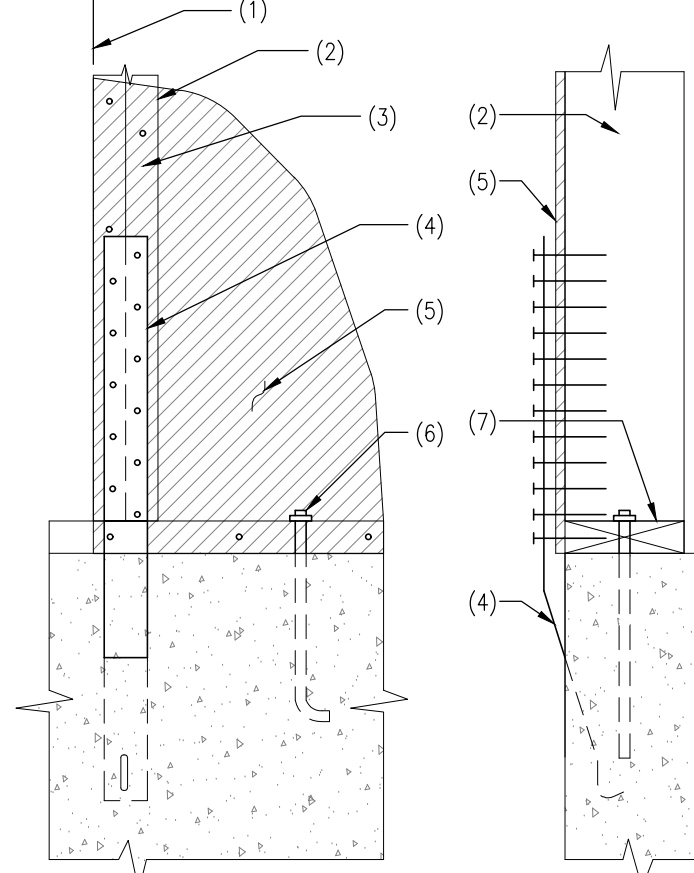




1 SHEARWALL DETAIL WITH SIMPSON HDU-HDQ HOLDOWN
SCALE: N.T.S.

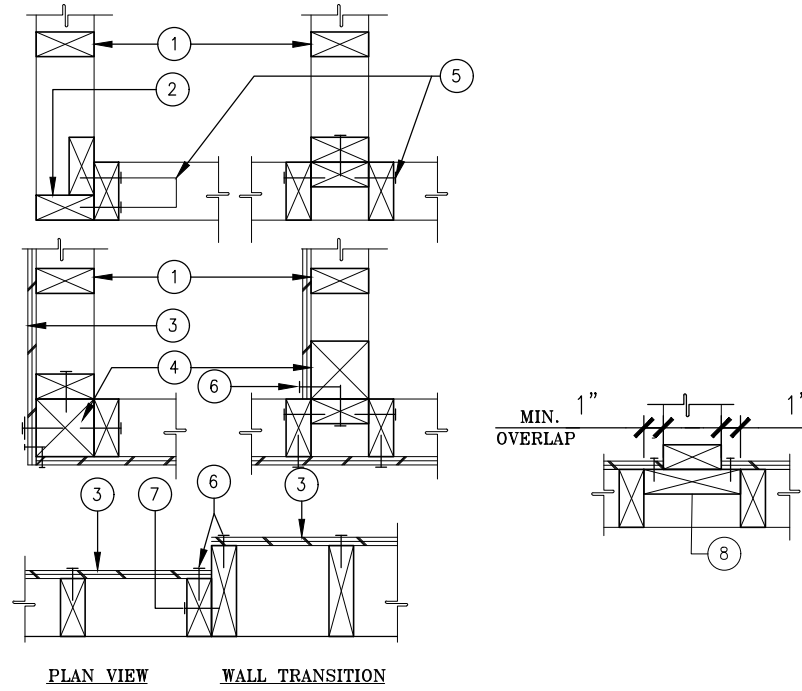


5 WINDOW STRAPPING DETAIL
(SHEAR WALL FORCE TRANSFER DETAIL)
SCALE: N.T.S.



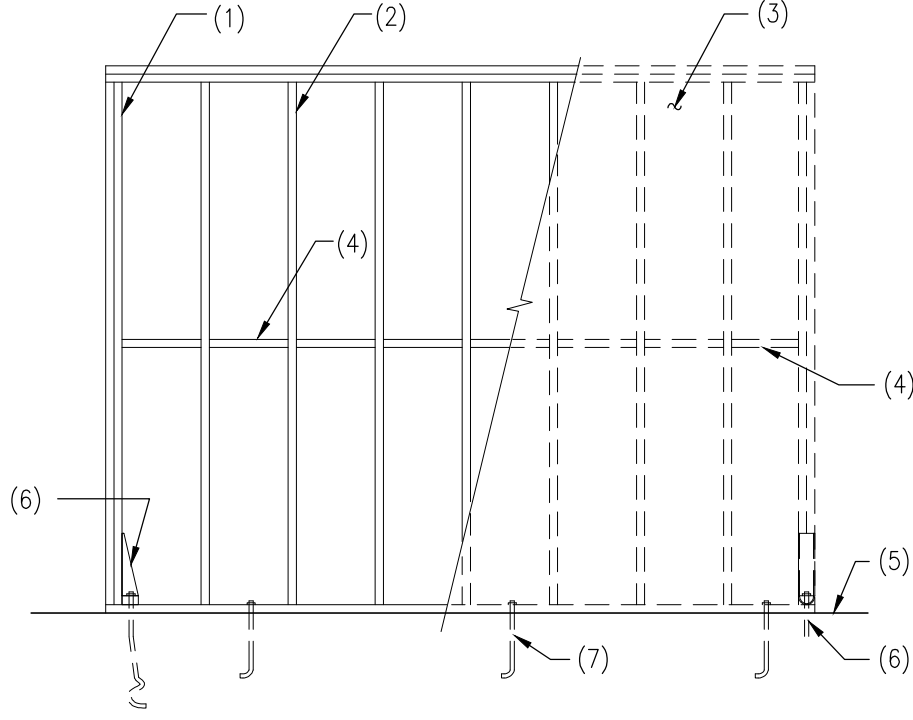
2 SHEARWALL DETAIL WITH SIMPSON STRAP TIE HOLDOWN
SCALE: N.T.S.

- NOTES:
- EDGE OF SHEARWALL
 - DOUBLE STUDS AT SHEARWALL EDGES – ATTACH STUDS TO ADJACENT STUD WITH 10d NAILS AT 12" O.C.
 - EDGE NAILING – ALSO NAIL TO TOP PLATE SAME AS EDGE OF SHEARWALL NAILING
 - HOLDOWN REQUIRED BOTH EDGES OF SHEARWALL
 - SHEATHING AND ATTACHMENT PER SHEARWALL SCHEDULE
 - ANCHOR BOLTS PER SHEARWALL SCHEDULE
 - TREATED BASE PLATE PER SHEARWALL SCHEDULE



3 SHEARWALL INTERSECTION FRAMING
SCALE: N.T.S.

- NOTES:
- TYPICAL 2X STUDS AT 16" O.C. U.N.O. W/ (2) 16d END NAILS OR (4) 8d TOE NAILS EACH END TO TOP & SILL PLATES.
 - CORNER STUDS OR POST PER PLAN.
 - PLYWOOD SHEAR PANEL PER PLAN.
 - POST AT END OF SHEAR PANEL PER PLAN.
 - NAIL CORNER & MULTI-STUDS TOGETHER W/ 16d's @ 16" O.C. STAGGERED @ SHEAR WALLS & 24" O.C. @ NON-SHEAR WALLS.
 - EDGE NAILING
 - 16d's @ 4" O.C. STAGGERED
 - 2x STUD @ SHEAR BREAK.
- NOTE: NAILS SPACED @ 2" O.C. SHOULD BE STAGGERED MIN. 1/8".



4 ONE-STORY SHEAR WALL ELEVATION
SCALE: N.T.S.

- NOTES:
- (2) STUDS, U.N.O. AT EACH END OF PANEL NAILED AS BUILT-UP POST, TYPICAL
 - WOOD STUDS
 - SHEATHING MATERIAL
 - BLOCKING REQUIRED AT SHEATHING PANEL JOINTS
 - FINISHED FLOOR
 - HOLD DOWNS AS OCCURS
 - ANCHOR BOLTS

SHEAR WALL SCHEDULE									
WALL MARK	SHEATHING	SIDES	PANEL EDGE NAILING	FIELD NAILING	FRAMING AT ADJACENT PANEL EDGES	BASE PLATE ATTACHMENT	ANCHOR BOLT SPACING	FOUNDATION SILL PLATE/FLOOR BASE PLATE	BLOCKING/RIM JOIST ATTACHMENT
SW1	7/16" OSB	ONE	8d NAILS AT 6" O.C.	12" O.C.	2x	16d NAILS AT 6" O.C.	5/8" DIAMETER BOLTS AT 48" O.C.	2x	SIMPSON A35 CLIPS AT 18" O.C.

SHEAR WALL SCHEDULE NOTES:

FRAMING STUDS SHALL BE DOUGLAS-FIR #2 SPACED AT 16" O.C. MAXIMUM. THICKNESS OF STUDS SHALL BE 2x UNLESS OTHERWISE NOTED IN SCHEDULE.

SHEATHING PANELS MAY BE PLACED VERTICAL OR HORIZONTAL. BLOCK ALL HORIZONTAL EDGES WITH 2x OR 3x BLOCKING TO MATCH STUD WIDTH UNLESS NOTED OTHERWISE.

ALL EXTERIOR WALLS NOT DESIGNATED AS SHEARWALLS SHALL RECEIVE APA RATED SHEATHING, FULLY BLOCKED WITH MINIMUM EDGE ATTACHMENT OF 8d NAILS @ 6" O.C., 12" O.C. FIELD.

NAILING APPLIES TO ALL STUDS, TOP AND BOTTOM PLATES AND BLOCKING.

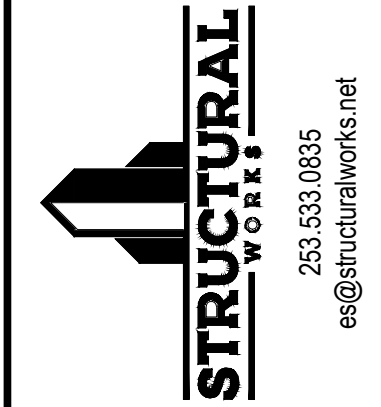
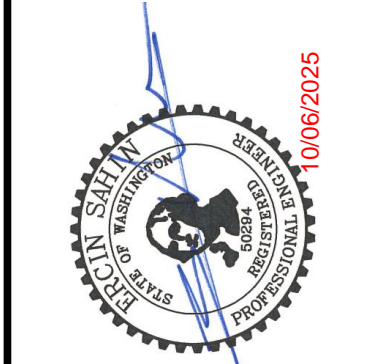
MINIMUM ANCHOR BOLT SPACING OF 48" O.C. UNLESS OTHERWISE NOTED IN SCHEDULE. 10" MIN LENGTH, 7" MIN EMBEDMENT, WITHIN 12" OF EACH END OF MUDSILL, 2 MIN. EACH PIECE, 3X3X1/4" STEEL PLATE WASHERS MINIMUM OF 2 ANCHORS PER WALL. A DIAGONAL SLOT IN THE PLATE WASHER MAY BE USED WITH A WIDTH OF UP TO 3/16" LARGER THAN THE BOLT DIAMETER AND A SLOT NOT TO EXCEED 1-3/4", PROVIDED A STANDARD CUT WASHER IS PLACED BETWEEN THE PLATE WASHER AND THE NUT. DO NOT RECESS BOLTS.

TABLES BASED ON 12d NAILS (3 1/4" LONG x 0.113" COMMON OR 3 1/4" x 0.113" GALVANIZED BOX).

BLOCKING/RIM JOIST ATTACHMENT NEED NOT BE USED WHERE THE SHEATHING IS DIRECTLY ATTACHED WITH EDGE NAILING TO THE DOUBLE TOP PLATES AT UPPER STORY SHEARWALLS AND TO THE BASE/SILL PLATE BELOW AT LOWER STORY SHEARWALLS.

WHERE 3x BASE/SILL ARE SPECIFIED, 20d COMMON NAILS SHALL BE USED FOR THE BASE PLATE ATTACHMENT IN LIEU OF THE ORIGINALLY SPECIFIED 16d COMMON NAILS.

6 SHEARWALL SCHEDULE
SCALE: N.T.S.



ELEVATION
Elevation Home Designs LLC
318 39th Ave SW Suite A | Puyallup, WA 98373
PH: 866.657.4371 | elevationhd.com

Alyssa Gidea
4802 N 29th St
Tacoma, WA 98407
Parcel # - 2465000640

Disclaimers:
These plans are exclusive property of Elevation Home Designs (EHD) and may not be sold to any person or business without expressed written consent of EHD. These plans are for one (1) time use only and are not to be reproduced, copied, or used in any way without the express written consent of EHD's customer. Elevation Home Designs LLC is not responsible for any errors or omissions in these plans.
Code:
COPYRIGHT NOTICE: These plans are copyrighted and are subject to copyright protection as an architectural work, under the copyright laws of the United States of America, 17 USC, as amended December 1990, and are the property of Elevation Home Designs. All rights are reserved. No part of these plans may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of Elevation Home Designs. Elevation Home Designs LLC is not responsible for any errors or omissions in these plans.
NOTICE: DO NOT SCALE. The written dimensions on this plan supersede any scaled measurements. It is the responsibility of the contractor to verify the accuracy of the dimensions and the final selection of materials such as masonry, floor plates, lumber, structural members, construction panels, roofing, etc., all of which can create variations in dimension and details.

SW SCH. & HOLDOWN DETAILS
Elevation Home Designs
Job # : 24-XXXX
Printed On: 10/02/2025
Layout Sheet # 6 of 6
Sheet: **S4.0**