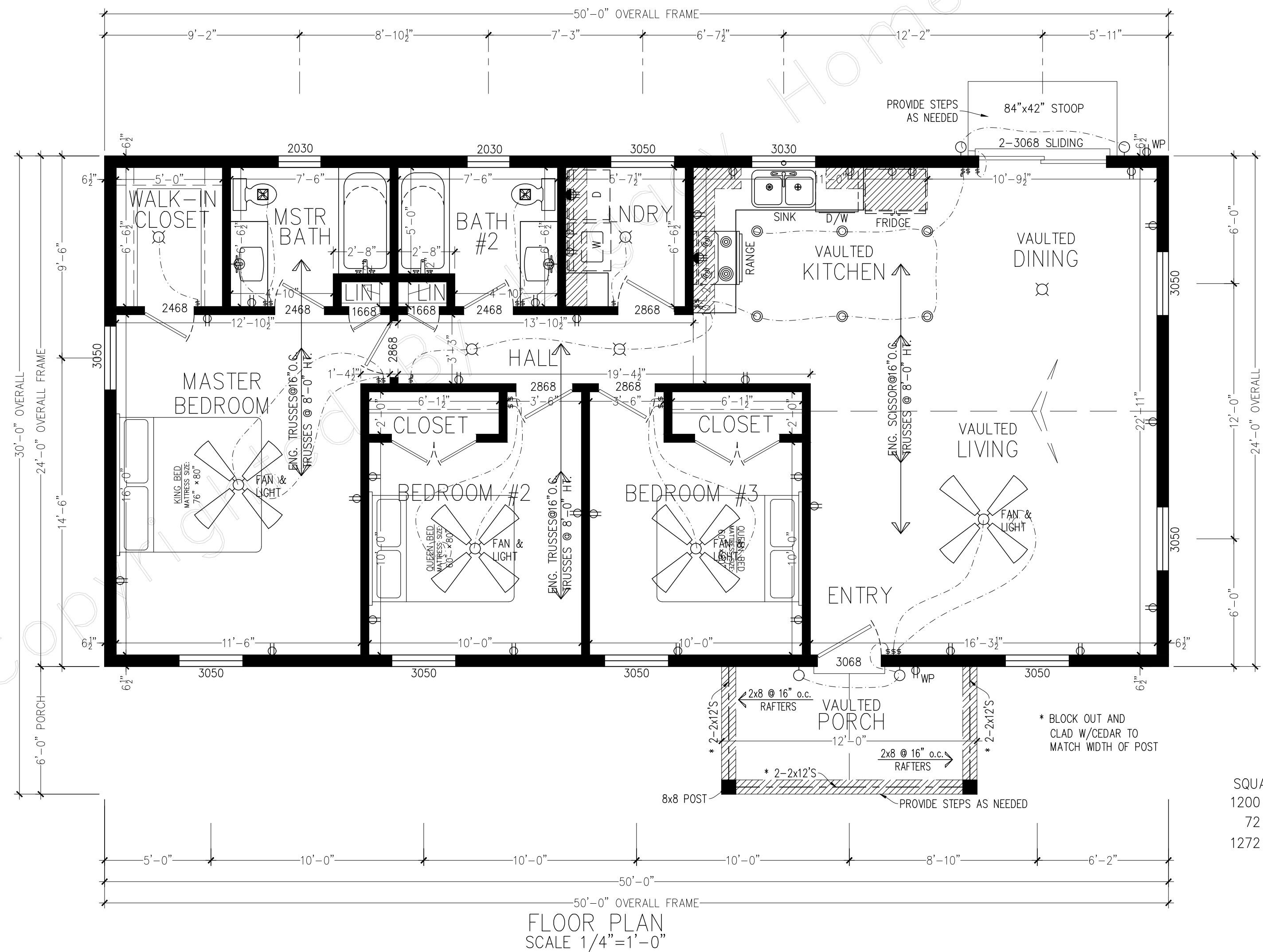


GENERAL NOTES

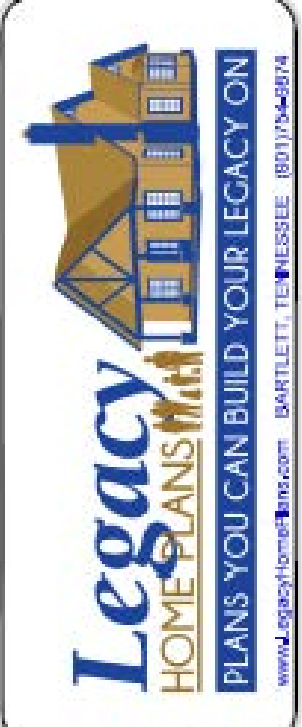
- IT IS NOT THE INTENT OF THESE DOCUMENTS TO FULLY DETAIL ALL CONDITIONS. IT IS THE CONTRACTORS RESPONSIBILITY TO PERFORM ALL WORK WITHIN STANDARD CONSTRUCTION PRACTICES THAT ENSURES PROPER STRUCTURAL DETAILING AND SIZING. WEATHERPROOF DETAILING, AND QUALITY WORKMANSHIP. IT IS THE CONTRACTORS RESPONSIBILITY TO ENGAGE THE SERVICES OF QUALIFIED STRUCTURAL ENGINEERS TO REVIEW ALL NON-TYPICAL FOUNDATION OR FRAMING CONDITIONS. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT ALL WORK AND CONSTRUCTION SHALL MEET OR EXCEEDS ALL APPLICABLE CODES.
- THIS PLAN HAS BEEN DESIGNED AS PER THE STANDARD BUILDING CODE. IT MUST BE CONSTRUCTED TO MEET THE MINIMUM SEISMIC REQUIREMENTS AS PER THE CODES DEPARTMENT WITH JURISDICTION. ALL JOIST AND RAFTERS HAVE BEEN SIZED BASED ON THE SOUTHERN PINE SPAN TABLES PROVIDED BY THE SOUTHERN PINE COUNCIL USING THE 2013 S.P.I.B. STANDARD GRADING RULES FOR NO.2 VISUALLY GRADED. SEE SIZING TABLE.
- DIMENSIONS ARE FROM FACE OF SHEETROCK TO FACE OF SHEETROCK (4.5" OR 6.5"). BRICK VENEER SHOWN 5 INCHES FROM SHEATHING. WINDOW HEADER HEIGHT: 6 FEET-8 INCHES UNLESS OTHERWISE NOTED. ALL ANGLE WALLS ARE 45 DEGREE U.O.N. OR DIMENSIONED. ALL STUDS TO BE AT 16 INCHES ON CENTER U.O.N.
- PROVIDE DOUBLE JOIST UNDER ALL PARALLEL WALLS. PROVIDE SOLID BRIDGING ON ALL FLOOR JOIST SPANS OVER 10 FEET AND AT INTERVALS NOT TO EXCEED 9 FEET. PROVIDE 2X4 STRONGBACKS AT 5 FEET ON CENTER WHEN JOIST OR PLYWOOD DECKING DOES NOT SPAN AND TIE RAFTER BEARING PLATES. HALF INCH PLYWOOD SUBFLOOR MAY BE SUBSTITUTED. PROVIDE FULL SOLID STUD BEARING UNDER ALL HEADERS AND BEAMS TO SOLID FOUNDATION BELOW.
- ALL MANUFACTURED PRODUCTS, SYSTEMS OR APPLICATIONS SHALL BE INSTALLED AS PER MANUFACTURERS SPECIFICATION. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT ALL ITEMS AND CONSTRUCTION MEET OR EXCEED ALL APPLICABLE CODES.
- H.V.A.C. SUBCONTRACTOR SHALL COORDINATE COMPLETE SYSTEM REQUIREMENTS WITH SUPPLIER AND PROVIDE EQUIPMENT LAYOUT THAT MEETS LOCAL CLIMATE CONDITIONS AND BUILDING CODES.
- THE ELECTRICAL EQUIPMENT SHOWN REPRESENTS CONCEPT ONLY AND THE SUBCONTRACTOR IS RESPONSIBLE FOR COORDINATING OWNERS INTENT WITH SAFETY REQUIREMENTS AND COMPLYING WITH ALL APPLICABLE CODES.
- ALL WOOD FRAMING IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED. USE TREATED LUMBER AT ALL EXTERIOR PORCH DECK LOCATIONS.
- TO MINIMIZE EXCESSIVE MOISTURE AND MOLD CONDITIONS, PROVIDE AN APPROVED VAPOR BARRIER UNDER FOOTINGS, SLABS, AND FLOOR JOISTS AT GROUND LEVEL. USE AN EXTERIOR SHEATHING WITH A SUFFICIENT PERM RATING ON ALL OUTSIDE WALLS. PROPERLY DESIGN AND SIZE HVAC SYSTEM AND INCLUDE A 10% FRESH AIR INTAKE.
- ALL STANDARD, MINIMUM CODE CONNECTION AND FASTENING PRACTICES ARE TO BE ADHERED TO BY QUALIFIED FOUNDATION, FRAMING, DRYWALL, TRIM AND MASONRY CONTRACTORS.



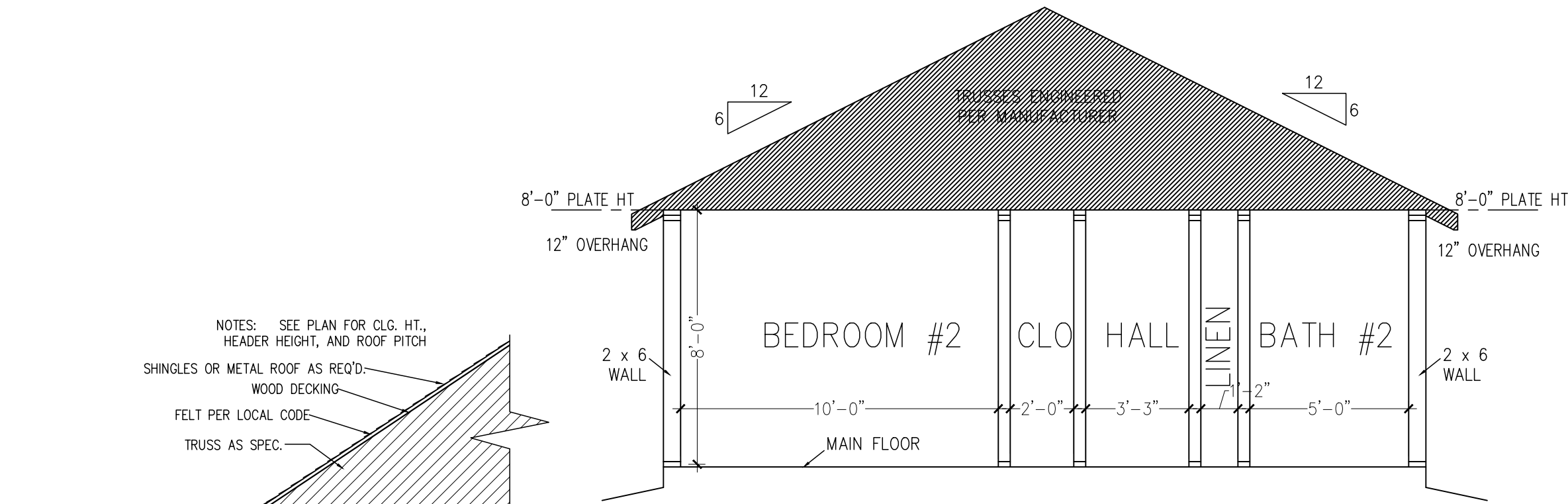
SQUARE FOOTAGE
 1200 TOTAL HEATED
 72 FRONT PORCH
 1272 TOTAL UNDER ROOF

FILE	DATE	SCALE	DRAWN BY	SHEET #
	8-6-21	As Shown	OMA/SMV	1
PLAN NAME: Fairhaven 2				
PLAN NO.: 1200-72				

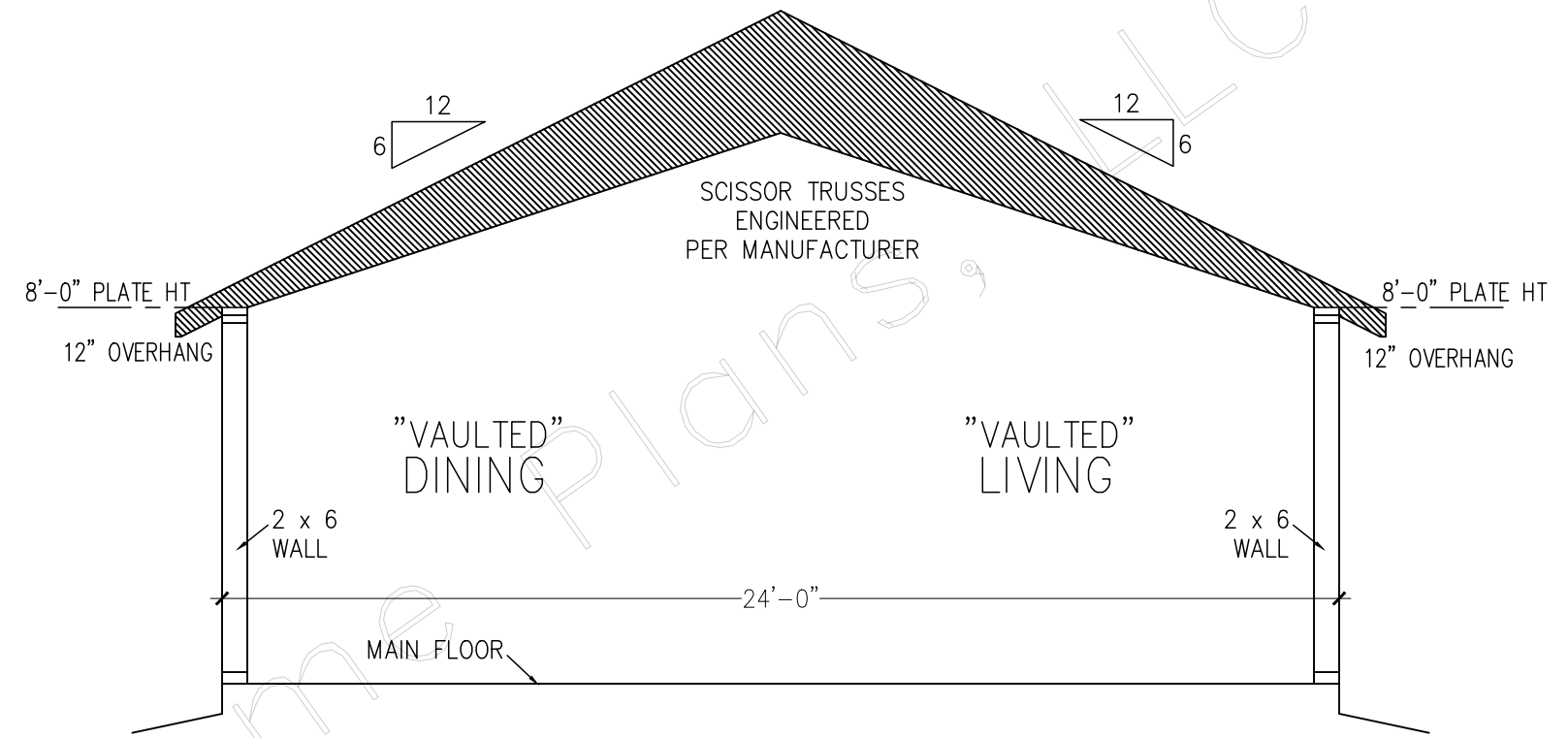
© Copyright by Legacy Home Plans LLC
 FOR YOUR PROTECTION AND THE PROTECTION OF OTHERS, THESE DRAWINGS ARE SOLD FOR USE IN THE CONSTRUCTION OF ONE DWELLING ONLY. ANY REUSE, REPRODUCTION, OR ALTERATION OF THESE DRAWINGS WITHOUT THE WRITTEN PERMISSION OF LEGACY HOME PLANS LLC IS PROHIBITED. HOWEVER, LOCAL VARIATIONS MAY OCCUR DUE TO DIFFERENCES IN LOCAL CODES, STANDARDS AND PRACTICES. LOCAL VARIATIONS MAY VARY WITH LOCATION AND CHANGE FROM TIME TO TIME. BEFORE STARTING CONSTRUCTION, THE BUILDER MUST OBTAIN ALL NECESSARY PERMITS AND INSURE THAT THESE PLANS MEET ALL CURRENT GOVERNMENTAL REQUIREMENTS. LEGACY HOME PLANS LLC IS NOT RESPONSIBLE FOR ANY CONSTRUCTION DEFECTS OR TOTAL LIABILITY OF LEGACY HOME PLANS LLC NOT TO EXCEED THE COST OF ORIGINAL PLANS.



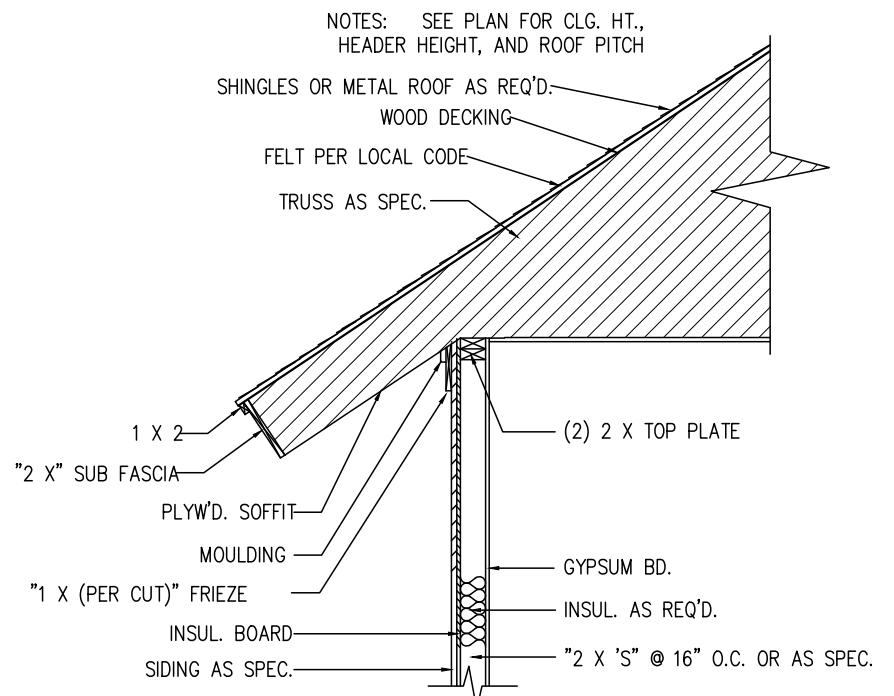
***Disclaimer:**
 The trusses called for in this design are for initial design and estimating purposes only. The calculations and drawings presented do not constitute a fully engineered truss design. The truss manufacturer will calculate final loads, metal plate sizing, member sizing, webs and chord deflections based on local climatic and/or seismic conditions. Wood truss construction drawings shall be prepared by a registered and licensed engineer.



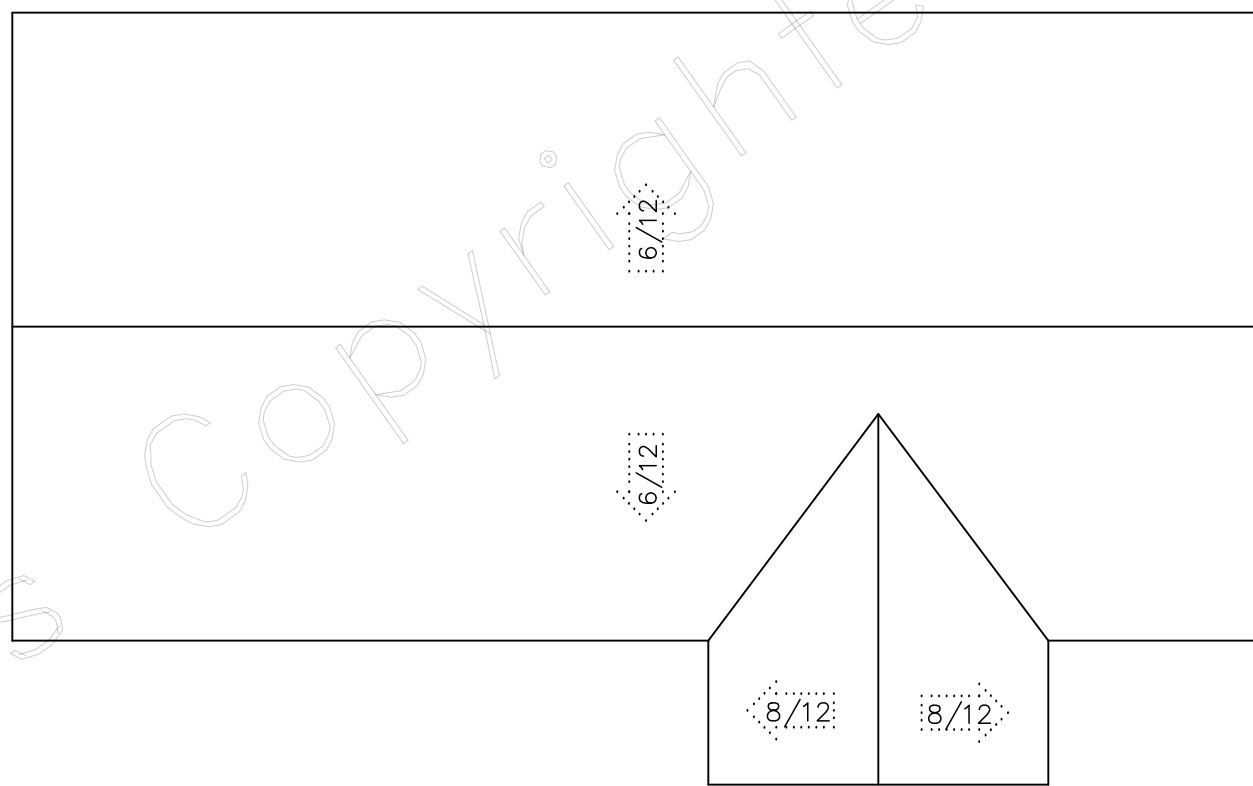
MAIN BODY SECTION THROUGH BEDROOMS
 SCALE 1/4" = 1'-0"



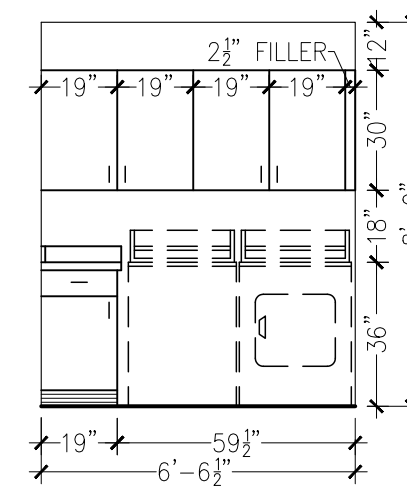
MAIN BODY SECTION THROUGH VAULTED AREA
 SCALE 1/4" = 1'-0"



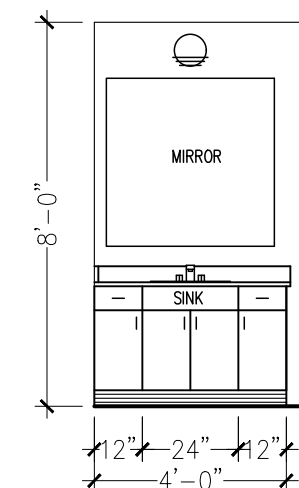
TRUSS ROOF
 TYP. CORNICE DETAIL W/ SIDING
 NO SCALE



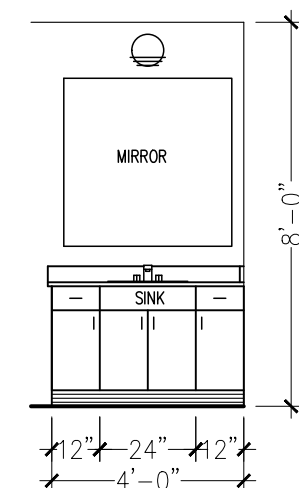
ROOF PLAN
 SCALE: 1/8" = 1'-0"



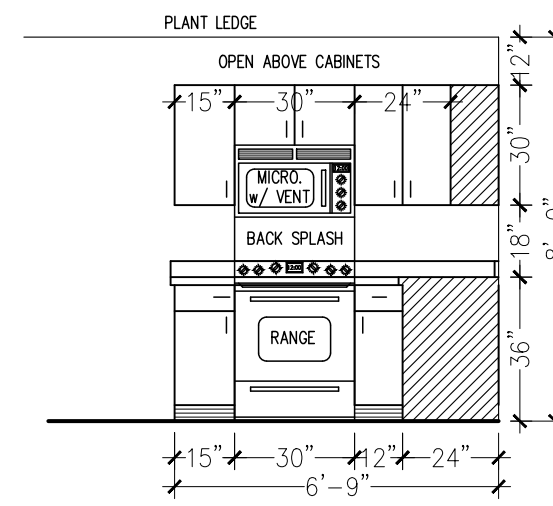
LAUNDRY
 SCALE: 1/4" = 1'-0"



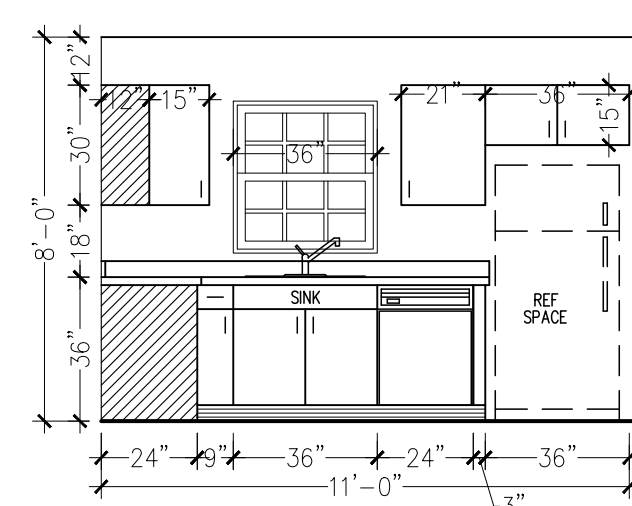
MASTER BATH
 SCALE: 1/4" = 1'-0"



BATH #2
 SCALE: 1/4" = 1'-0"

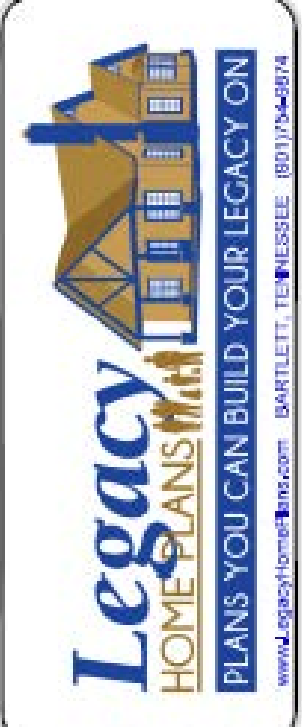


KITCHEN
 SCALE: 1/4" = 1'-0"



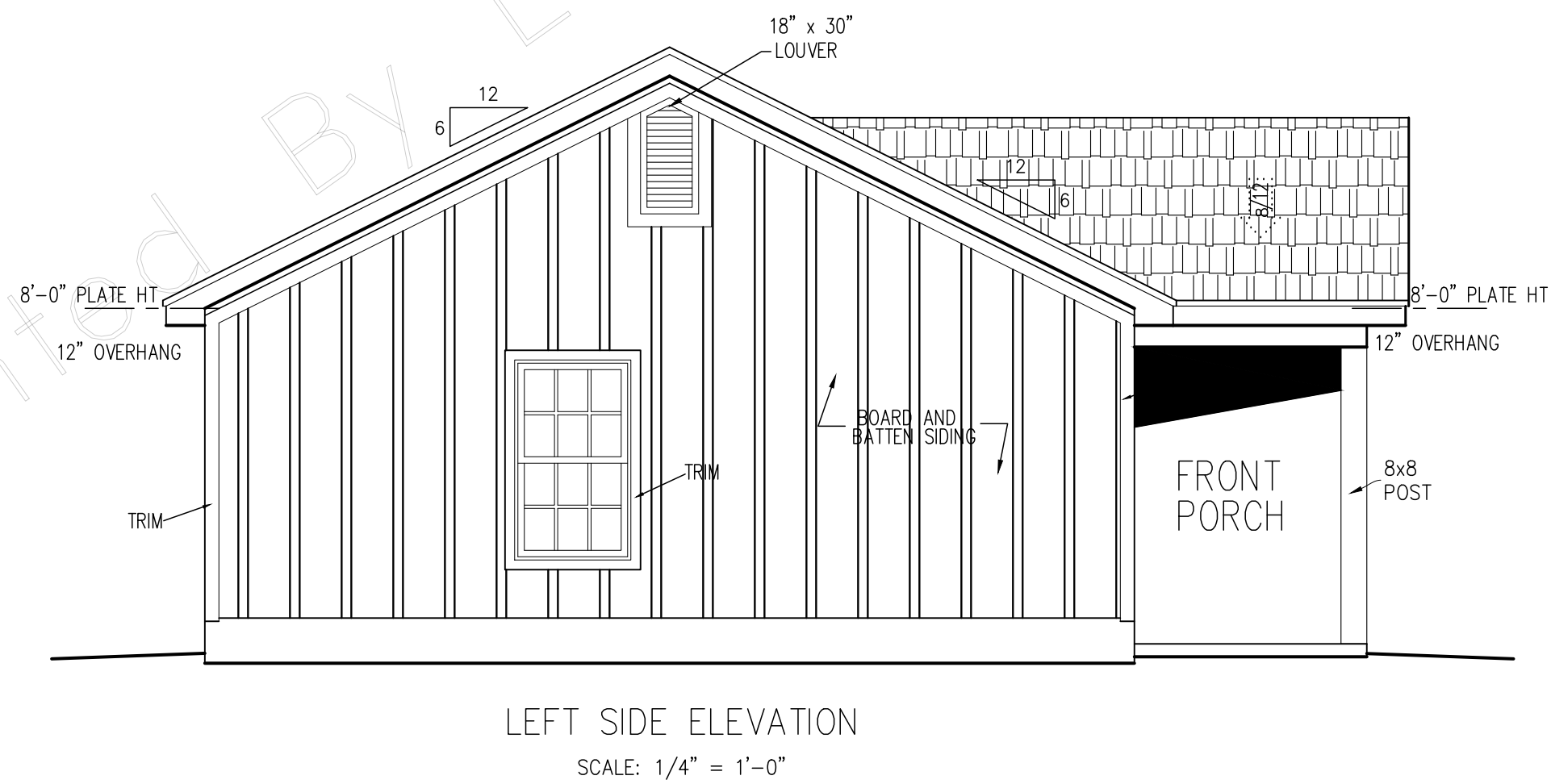
FILE	8-6-21	SHEET #	2
DATE	8-6-21	SCALE	As Shown
DRAWN BY	OMA/SMV	PLAN NAME	Fairhaven 2
PLAN NO.	1200-72		

© Copyright by Legacy Home Plans LLC
 FOR USE IN THE CONSTRUCTION OF ONE DWELLING UNIT ONLY. THESE DRAWINGS ARE SOLD AS IS. LEGACY HOME PLANS LLC IS NOT RESPONSIBLE FOR ANY LOCAL VARIATIONS IN BUILDING STANDARDS AND PRACTICES. HOWEVER, LOCAL VARIATIONS MAY OCCUR. LOCAL VARIATIONS MAY VARY WITH LOCATION AND CHANGE FROM TIME TO TIME. BEFORE STARTING CONSTRUCTION, THE BUILDER MUST OBTAIN ALL NECESSARY PERMITS AND INSURE THAT THESE PLANS MEET ALL CURRENT GOVERNMENTAL REQUIREMENTS. ALL CONSTRUCTION SHALL BE TO THE TOTAL LIABILITY OF LEGACY HOME PLANS LLC NOT TO EXCEED THE COST OF ORIGINAL PLANS.





FRONT ELEVATION
SCALE: 1/4" = 1'-0"

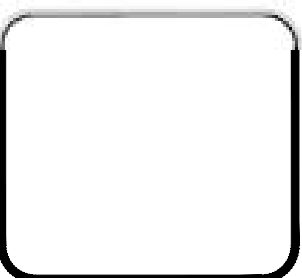


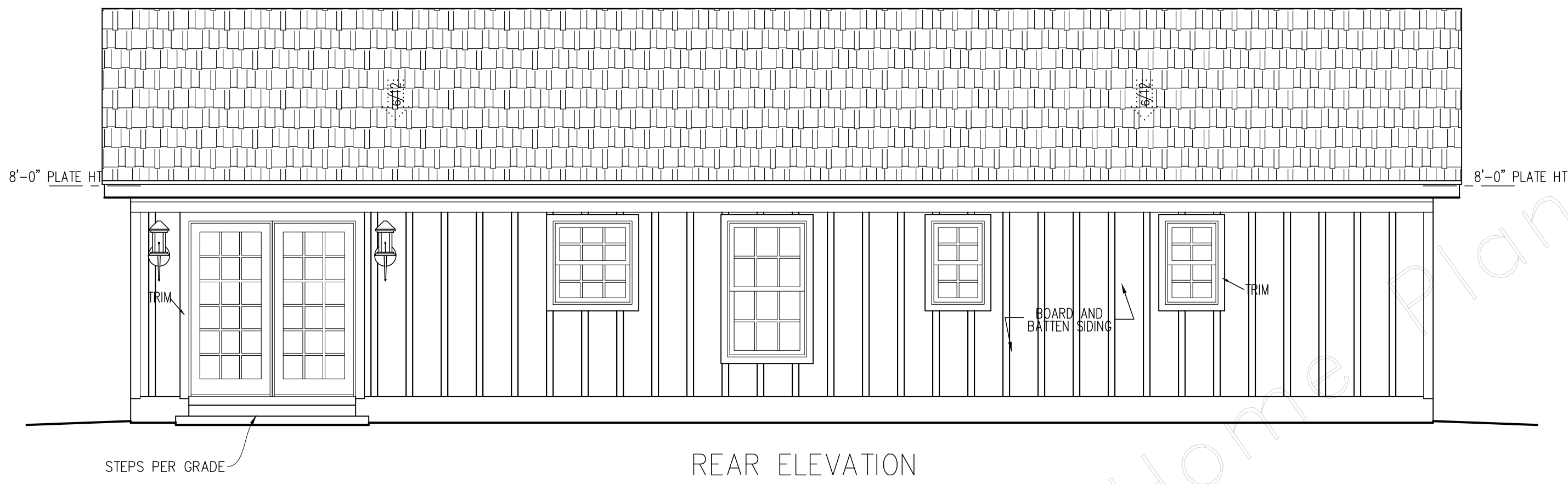
LEFT SIDE ELEVATION
SCALE: 1/4" = 1'-0"

FILE	8-6-21	SHEET #	3
DATE	8-6-21	DRAWN BY	OMA/SMV
SCALE	As Shown	PLAN NAME	Fairhaven 2
NO.		PLAN NO.	1200-72

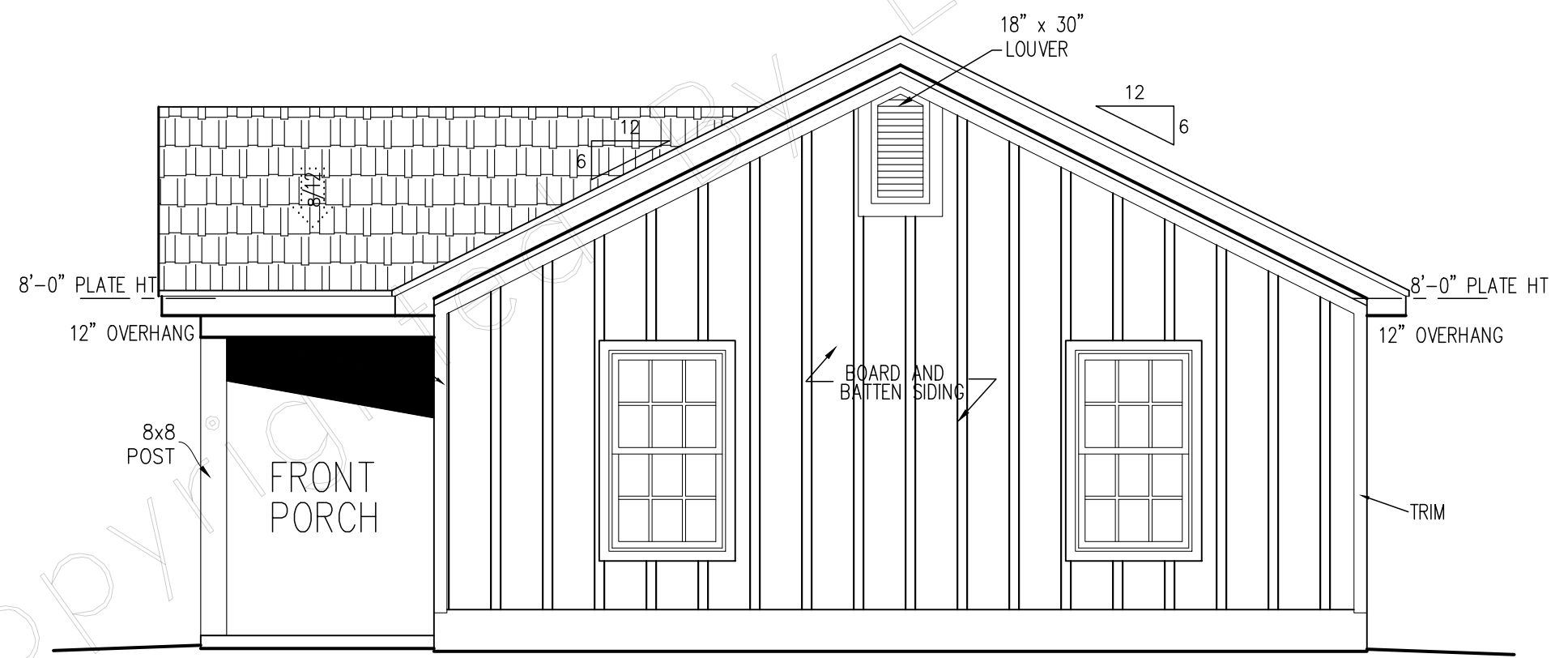
© Copyright by Legacy Home Plans LLC. THESE DRAWINGS ARE FOR YOUR PERSONAL USE ONLY. ANY REPRODUCTION OR DISTRIBUTION OF THESE DRAWINGS FOR ANY OTHER PURPOSE IS STRICTLY PROHIBITED. THESE DRAWINGS ARE SOLD AS IS. LEGACY HOME PLANS LLC IS NOT RESPONSIBLE FOR ANY CHANGES OR VARIATIONS IN THE CONSTRUCTION OF ONE'S DWELLING UNIT. LEGACY HOME PLANS LLC IS PROVIDED. HOWEVER, LOCAL VARIATIONS MAY VARY WITH LOCAL AND CHANGE FROM TIME TO TIME. BEFORE STARTING CONSTRUCTION, THE BUILDER MUST OBTAIN ALL NECESSARY PERMITS AND INSURE THAT THESE PLANS MEET ALL CURRENT GOVERNMENTAL REQUIREMENTS. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REQUIREMENTS. ALL CONSTRUCTION SHALL NOT EXCEED THE COST OF ORIGINAL PLANS.

MEMBER
AIBD
AMERICAN INSTITUTE OF
BUILDING DESIGN





REAR ELEVATION
SCALE: 1/4" = 1'-0"



RIGHT SIDE ELEVATION
SCALE: 1/4" = 1'-0"

Plans Copyrig...

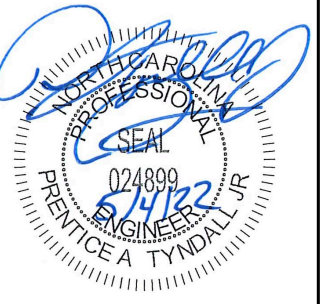
© Copyright by Legacy Home Plans LLC. THESE DRAWINGS ARE SOLD FOR USE IN THE CONSTRUCTION OF ONE DWELLING ONLY. ANY REUSE OR REPRODUCTION OF THESE DRAWINGS WITHOUT THE WRITTEN PERMISSION OF LEGACY HOME PLANS LLC IS PROHIBITED. HOWEVER, LOCAL VARIATIONS MAY OCCUR AND THE ARCHITECT ASSUMES NO LIABILITY FOR SUCH VARIATIONS. STANDARDS AND PRACTICES, HOWEVER, LOCAL VARIATIONS MAY OCCUR AND THE ARCHITECT ASSUMES NO LIABILITY FOR SUCH VARIATIONS. BEFORE STARTING CONSTRUCTION, THE BUILDER MUST OBTAIN ALL NECESSARY PERMITS AND INSURE THAT THESE PLANS MEET ALL CURRENT GOVERNMENTAL REQUIREMENTS. ALL CONSTRUCTION SHALL BE TO EXCEED THE COST OF ORIGINAL PLANS.

FILE	8-6-21	SHEET #	4
SCALE	As Shown	DRAWN BY	OMA/SMV
PLAN NAME	Fairhaven 2		
PLAN NO.	1200-72		

© Copyright by Legacy Home Plans LLC. THESE DRAWINGS ARE SOLD FOR USE IN THE CONSTRUCTION OF ONE DWELLING ONLY. ANY REUSE OR REPRODUCTION OF THESE DRAWINGS WITHOUT THE WRITTEN PERMISSION OF LEGACY HOME PLANS LLC IS PROHIBITED. HOWEVER, LOCAL VARIATIONS MAY OCCUR AND THE ARCHITECT ASSUMES NO LIABILITY FOR SUCH VARIATIONS. STANDARDS AND PRACTICES, HOWEVER, LOCAL VARIATIONS MAY OCCUR AND THE ARCHITECT ASSUMES NO LIABILITY FOR SUCH VARIATIONS. BEFORE STARTING CONSTRUCTION, THE BUILDER MUST OBTAIN ALL NECESSARY PERMITS AND INSURE THAT THESE PLANS MEET ALL CURRENT GOVERNMENTAL REQUIREMENTS. ALL CONSTRUCTION SHALL BE TO EXCEED THE COST OF ORIGINAL PLANS.

MEMBER
AIBD
AMERICAN INSTITUTE OF
BUILDING DESIGN

* Engineers seal does not include construction means, methods, techniques, sequences, procedures or safety precaution.
 * Any deviations or discrepancies on plans are to be brought to the immediate attention of Tyndall Engineering & Design, P.A. Failure to do so will void Tyndall Engineering & Design, P.A. liability.
 * Please review these documents carefully. Tyndall Engineering & Design, P.A. will interpret that all dimensions, recommendations, etc. presented in these documents were deemed acceptable once construction begins.



TYNDALL
ENGINEERING & DESIGN, P.A.



1919 775-3800 • F 919 775-9688
www.tyndalldesign.com
280 Shipwash Drive • Garner • North Carolina • 27539

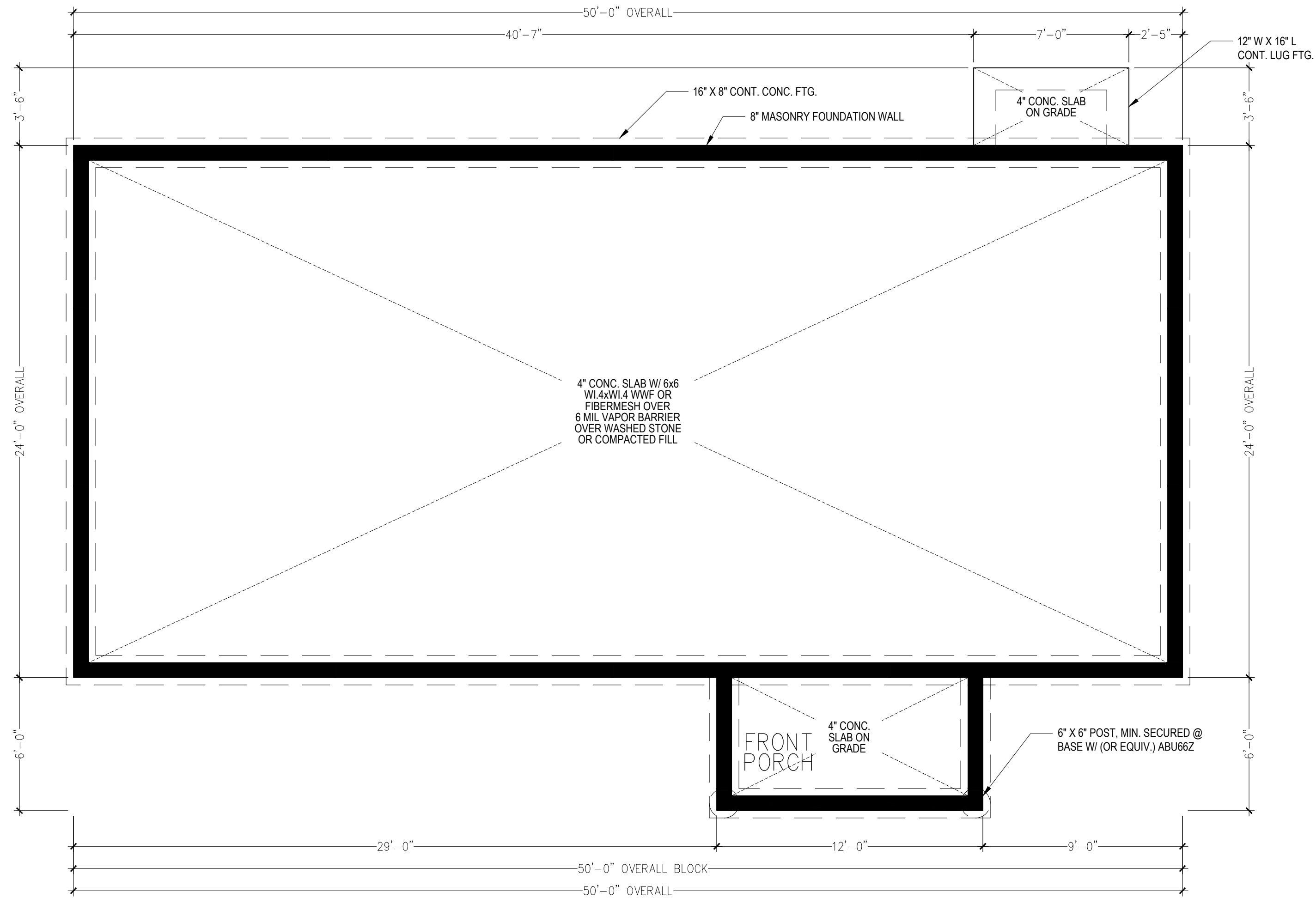
CLIENT: KEN DAWSON	DATE: THE FAIRHAVEN 2
------------------------------	---------------------------------

FDN. PLAN

Project #: 2201-010165
Date: 05/03/22
Engineered By: PTII
DWG. Checked By: PTII
Scale: SEE PLAN

REVISIONS		
No.	Date	Remarks

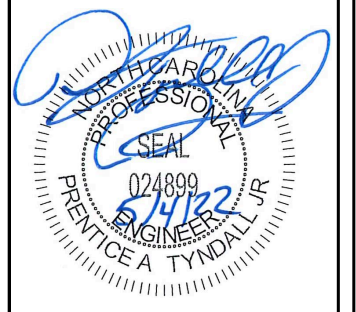
Sheet Number
S1
1 of 5



STEMWALL FOUNDATION PLAN
SCALE 1/4" = 1'-0"

FILENAME: Z:\RESIDENTIAL ENR\2022 STRUCTURAL PROJECTS\2201-010165 - KEN DAWSON - FAIRHAVEN 2 PLAN\DWG_FILES\2201-010165_LEF.DWG SAIGD BY: HARISH LAST PLOT DATE: 5/4/2022 3:13 PM

* Engineers seal does not include construction means, methods, techniques, sequences, procedures or safety precaution.
 * Any deviations or discrepancies on plans are to be brought to the immediate attention of Tyndall Engineering & Design, P.A.
 * Failure to do so will void Tyndall Engineering & Design, P.A. liability.
 * Please review these documents carefully.
 Tyndall Engineering & Design, P.A. will interpret that all dimensions, recommendations, etc. presented in these documents were deemed acceptable once construction begins.



TYNDALL
ENGINEERING & DESIGN, P.A.

199 775-3800 • F 919 775-5458
280 Shipwash Drive • Garner • North Carolina • 27539
www.tyndalldesign.com

Client: **KEN DAWSON**
Date: **THE FAIRHAVEN 2**

1ST FLR. HEADER ROOF FRMG.

Project #:	2201-010165
Date:	05/03/22
Engineered By:	PTII
DWG. Checked By:	PTII
Scale:	SEE PLAN

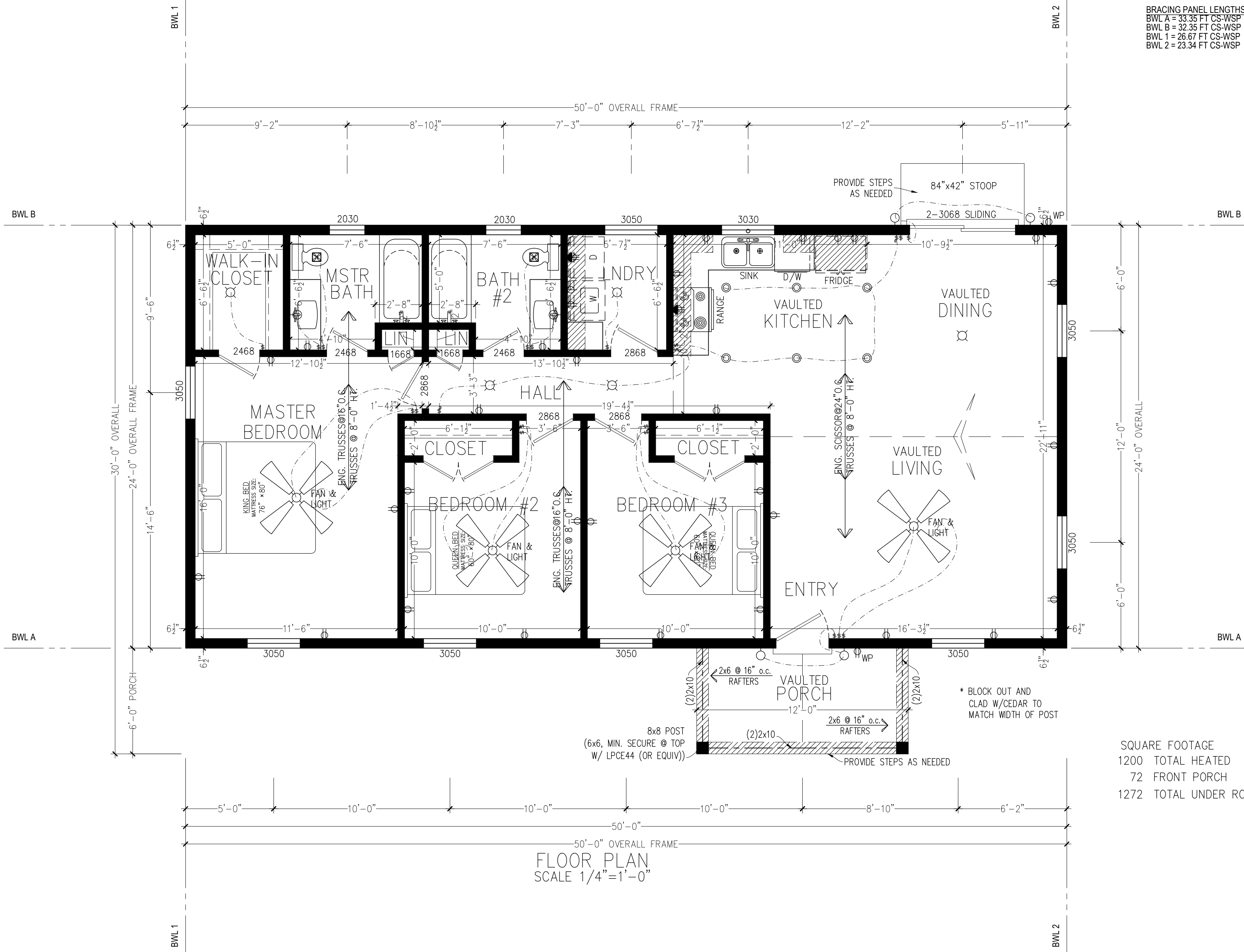
REVISIONS		
No.	Date	Remarks

Sheet Number
S2
2 of 5

BRACING PANEL LENGTHS REQUIRED:
 BWL A = 32.0 FT
 BWL B = 32.0 FT
 BWL 1 = 8.0 FT
 BWL 2 = 8.0 FT

BRACING PANEL LENGTHS PROVIDED:
 BWL A = 33.35 FT CS-WSP
 BWL B = 32.35 FT CS-WSP
 BWL 1 = 26.67 FT CS-WSP
 BWL 2 = 23.34 FT CS-WSP

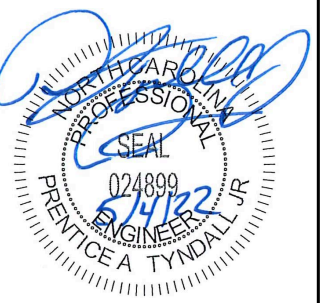
SQUARE FOOTAGE
 1200 TOTAL HEATED
 72 FRONT PORCH
 1272 TOTAL UNDER ROOF



FLOOR PLAN
 SCALE 1/4"=1'-0"

FILENAME: Z:\RESIDENTIAL_ENG\2022 STRUCTURAL PROJECTS\2201-010165 - FAIRHAVEN 2 PLAN\DWG_FILES\2201-010165_HEADER_1ST FLOOR.DWG
 DATE: 05/03/22 3:13 PM

* Engineers seal does not include construction means, methods, techniques, sequences, procedures or safety precaution.
 * Any deviations or discrepancies on plans are to be brought to the immediate attention of Tyndall Engineering & Design, P.A. Failure to do so will void Tyndall Engineering & Design, P.A. liability.
 * Please review these documents carefully. Tyndall Engineering & Design, P.A. will interpret that all dimensions, recommendations, etc. presented in these documents were deemed acceptable once construction begins.



TYNDALL
ENGINEERING & DESIGN, P.A.



1 919 775-3800 • F 919 775-9688
 280 Shipwash Drive • Garner • North Carolina • 27539
 www.tyndalengineering.com

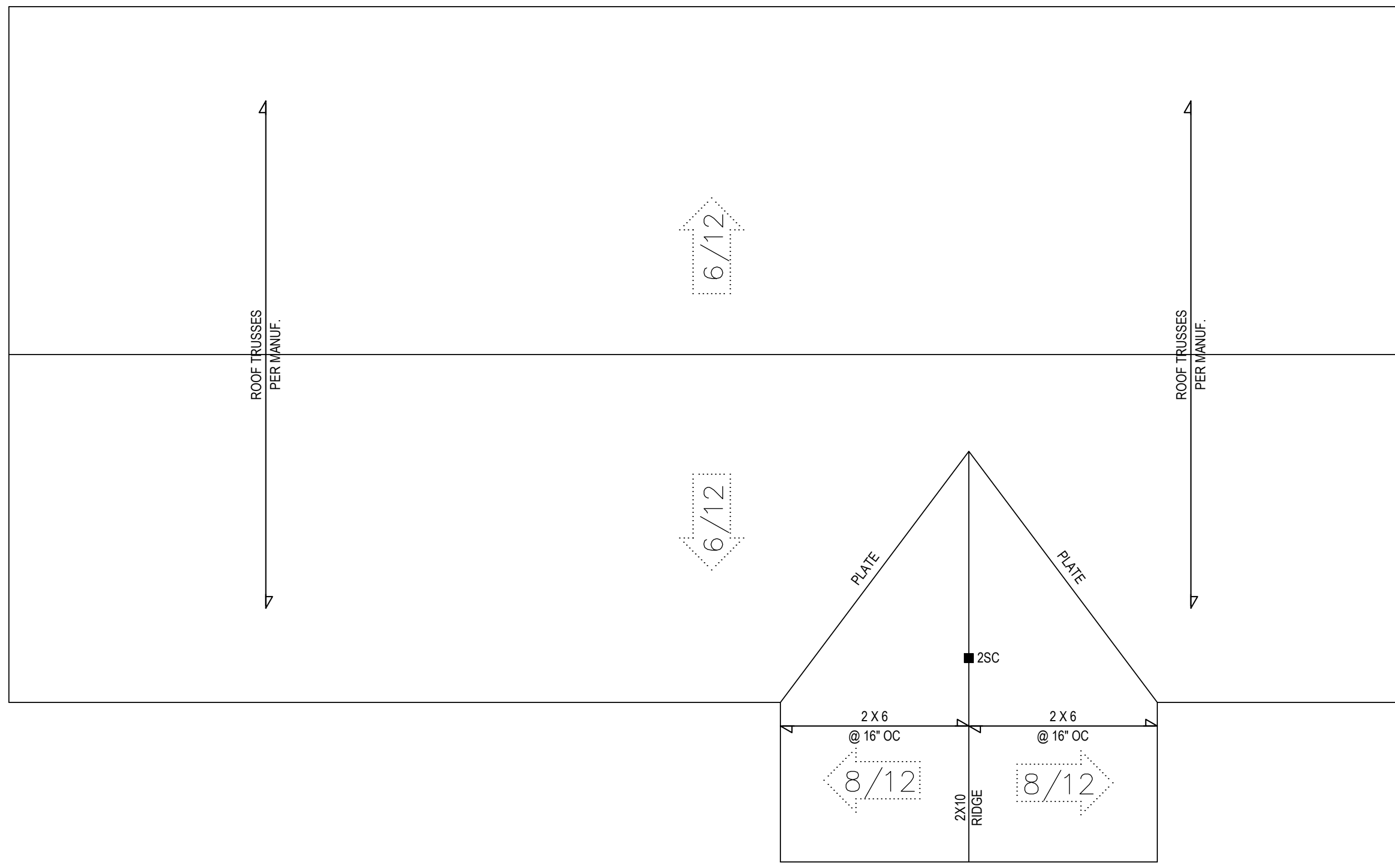
Client: **KEN DAWSON**
 Date: **THE FAIRHAVEN 2**

ROOF PLAN

Project #: 2201-010165
 Date: 05/03/22
 Engineered By: PTII
 DWG. Checked By: PTII
 Scale: SEE PLAN

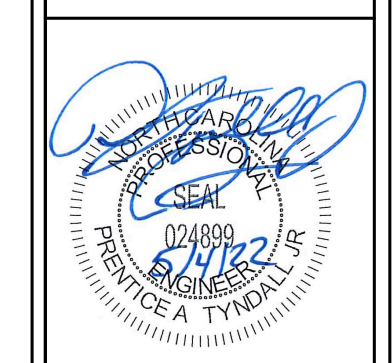
No.	Date	Remarks

Sheet Number
S3
 3 of 5



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

Engineers seal does not include construction means, methods, techniques, sequences, procedures or safety precautions.
 Any deviations or discrepancies on plans are to be brought to the immediate attention of Tyndall Engineering & Design, P.A. Failure to do so will void Tyndall Engineering & Design, P.A. liability.
 Please review these documents carefully. Tyndall Engineering & Design, P.A. will interpret that all dimensions, recommendations, etc. presented in these documents were deemed acceptable once construction begins.



TYNDALL
ENGINEERING & DESIGN, P.A.
 280 Shipwash Drive • Garner • North Carolina • 27529
 1-919-775-2800 • f 919-775-5488
 www.tyndalldesign.com

KEN DAWSON
 THE FAIRHAVEN 2

STANDARD
DETAILS

Project #: 2201-010165
 Date: 05/03/22
 Engineer: PTII
 DWG. Checked by: PTII
 Scale: NOT TO SCALE

No.	Date	Remarks

Sheet Number
D1
 4 of 5

STRUCTURAL NOTES

- ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF "NORTH CAROLINA STATE 2018 RESIDENTIAL BUILDING CODE" IN ADDITION TO ALL LOCAL CODES AND REGULATIONS.
- DESIGN LOADS:

	LIVE LOAD (PSF)	DEAD LOAD (PSF)	DEFLECTION	
			LL	TL
ALL FLOORS	40	10	L/360	L/240
ATTIC (w/ walk up stairs)	30	10	L/360	L/240
ATTIC (flat down access)	20	10	L/240	L/180
ATTIC (no access)	10	5	L/360	L/180
EXTERNAL BALCONY	40	10	L/360	L/240
ROOF	20	10	L/240	L/180
ROOF TRUSS	20	20	L/240	L/180
WIND LOAD	BASED ON 120 MPH (EXPOSURE B)			
SEISMIC	SEISMIC ZONES A, B & C			
- MINIMUM ALLOWABLE SOIL BEARING PRESSURE = 2000 PSF
- CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI AND A MAXIMUM SLUMP OF FIVE INCHES UNLESS NOTED OTHERWISE. (U.N.O.)
- MAXIMUM DEPTH OF UNBALANCED FILL AGAINST FOUNDATION WALLS TO BE LESS THAN 4'-0" WITHOUT USING SUFFICIENT WALL BRACING. REFER TO SECTION R602.3 FOR BACKFILL LIMITATIONS BASED ON WALL HEIGHT, WALL THICKNESS, SOIL TYPE, AND UNBALANCED BACKFILL HEIGHT.
- ALL FRAMING LUMBER SHALL BE SYP #2 (F_b = 800 PSI, BASED ON 2x10) UNLESS NOTED OTHERWISE.
 ALL FRAMING LUMBER EXPOSED TO THE ELEMENTS SHALL BE TREATED MATERIAL.
 ALL LVL LUMBER TO BE 1 7/8" WIDE NOMINAL EACH SINGLE MEMBER AND F_b = 2600 PSI, E = 1.8M PSI (U.N.O.)
 ALL LVL LUMBER TO BE 3" WIDE NOMINAL EACH SINGLE MEMBER AND F_b = 2325 PSI, E = 1.8M PSI (U.N.O.)
 ALL PSL LUMBER TO BE 3 1/2" WIDE NOMINAL EACH SINGLE MEMBER AND F_b = 2400 PSI, E = 1.8M PSI (U.N.O.)
- ALL LOAD BEARING EXTERIOR HEADERS SHALL BE AT (2) 2x10 (U.N.O.) REFER TO TABLE R602.7(1) & (2) FOR JACK STUD REQUIREMENTS FOR HEADER SPANS FOR INTERIOR AND EXTERIOR LOAD CONDITIONS UNLESS SPECIFICALLY NOTED ON PLANS.
- ALL STRUCTURAL STEEL W-SHAPES (I-BEAMS) SHALL BE ASTM A992 GRADE 50.
 ALL STEEL ANGLES, PLATES, AND C-CHANNELS SHALL BE ASTM A36.
 ALL STEEL PIPE SHALL BE ASTM A53 GRADE B.
- STEEL BEAMS SHALL BE SUPPORTED AT EACH END WITH A MINIMUM BEARING LENGTH OF 3'-1/2" AND FULL PLATE WITH PROVIDE SOLID BEARING FROM BEAM SUPPORT TO FOUNDATION. BEAMS SHALL BE ATTACHED TO EACH SUPPORT WITH TWO (2) LAG SCREWS (1/2" x 4" LONG), LATERAL SUPPORT IS CONSIDERED ADEQUATE PROVIDED THE JOISTS ARE TOE NAILED TO THE SOLE PLATES, AND THE SOLE PLATES ARE NAILED OR BOLTED TO THE BEAM FLANGES @ 48" O.C.
- PROVIDE ANCHOR BOLT PLACEMENT PER SECTION 603.1.6 1/2" DIA ANCHOR BOLTS SPACED AT 6'-0" O.C. AND 12" FROM THE END OF EACH PLATE SECTION. ANCHOR BOLTS SHALL BE SPACED AT 24" O.C. FOR BASEMENTS. ANCHOR BOLT SHALL EXTEND 7" INTO CONCRETE OR MASONRY. THE BOLTS SHALL BE LOCATED IN THE MIDDLE THIRD OF THE WIDTH OF THE PLATE. THERE SHALL BE A MINIMUM TWO ANCHOR BOLTS PER PLATE SECTION.
- FOUNDATION DRAINAGE DAMP PROOFING OR WATERPROOFING PER SECTION 405 AND 406 OF NC BUILDING CODE.
- WALL AND ROOF CLADDING VALUES:
 WALL CLADDING SHALL BE DESIGNED FOR 20 POUNDS PER SQUARE FOOT (LBS/SQ FT) OR GREATER POSITIVE AND NEGATIVE PRESSURE.
 ROOF VALUES BOTH POSITIVE AND NEGATIVE SHALL BE AS FOLLOWS:
 39.0 LBS/SQ FT FOR ROOF PITCHES Q12 TO 1.5:12
 38.0 LBS/SQ FT FOR ROOF PITCHES 1.5:12 TO 6:12
 38.0 LBS/SQ FT FOR ROOF PITCHES 6:12 TO 12:12
 *MEAN ROOF HEIGHT 3'-0" OR LESS
- FOR ROOF SLOPES FROM 2:12 THROUGH 4:12, BUILDER TO INSTALL 2 LAYERS OF 15# FELT PAPER.
- REFER TO SECTION R602.3 FOR FRAMING OF ALL WALLS OVER 10'-0" IN HEIGHT.
- PROVIDE CONTINUOUS SHEATHING PER SECTION 602.10.3 OF THE 2018 NCBC.
- UPLIFT LOADS GREATER THAN 500# SHALL BE CONTINUOUSLY ANCHORED TO THE FOUNDATION.
- REFER TO TABLE N1102.1 FOR PRESCRIPTIVE BUILDING ENVELOPE THERMAL COMPONENT CRITERIA.
- PSL COLUMNS DESIGNED WITH MAXIMUM HEIGHT OF 9'-0" (U.N.O.)
- PROVIDE A MINIMUM OF 500# UPLIFT & LATERAL CONNECTION AT TOP AND BOTTOM OF PORCH COLUMNS. (U.N.O.)
- MAXIMUM MASONRY PER HEIGHT SHALL NOT EXCEED FOUR TIMES ITS LEAST HORIZONTAL DIMENSION.
- IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND SQUARE FOOTAGE PRIOR TO CONSTRUCTION. TYNDALL ENGINEERING & DESIGN, P.A. IS NOT RESPONSIBLE FOR DIMENSION OR SQUARE FOOTAGE ERRORS ONCE CONSTRUCTION BEGINS.

DEFINITIONS FOR COMMON ABBREVIATIONS

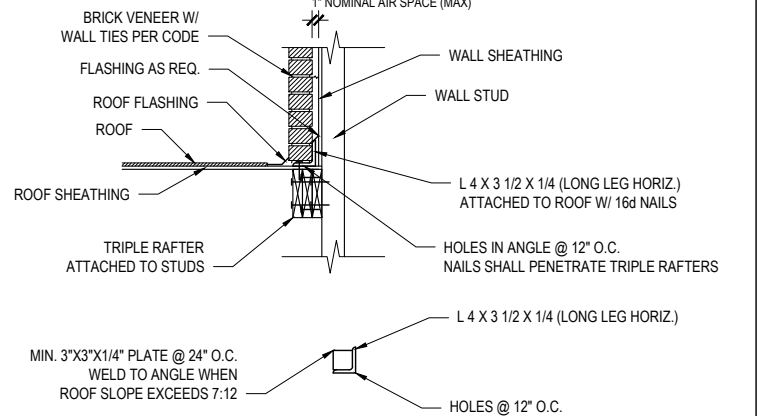
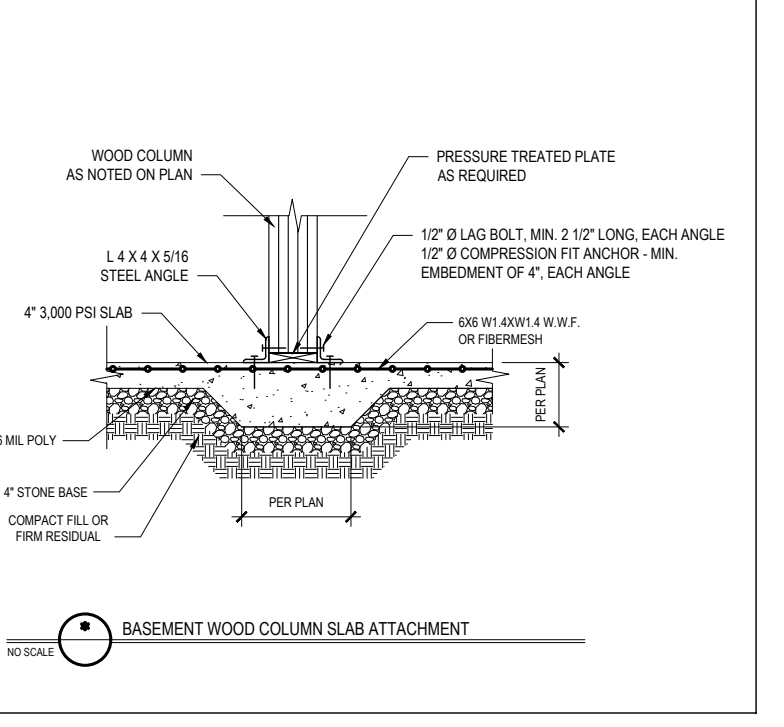
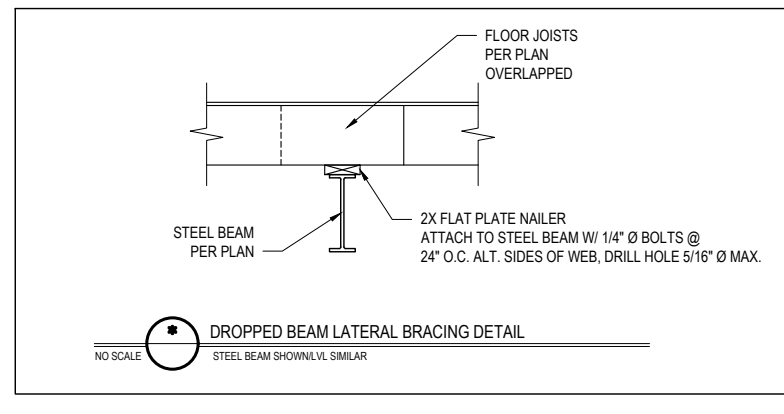
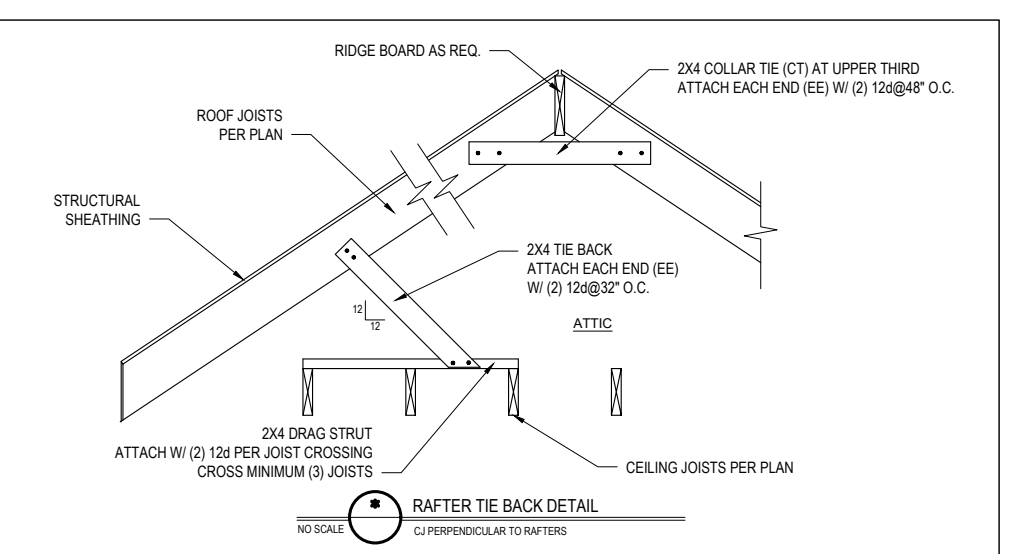
ALT	= ALTERNATE	MAX	= MAXIMUM
CANT	= CANTILEVER	MIN	= MINIMUM
CEILING JOIST	= CEILING JOIST	NOM	= NOMINAL
CONC	= CONCRETE	O.C.	= ON CENTER
CONT	= CONTINUOUS	PL	= POINT LOAD
COL	= COLUMN	PT	= PRESSURE TREATED
CONC	= CONCRETE	REIN	= REINFORCED
CT	= COLLAR TIE	REQD	= REQUIRED
DBL	= DOUBLE	RJ	= ROOF JOIST
DIA	= DIAMETER	RS	= ROOF SUPPORT
DL	= DOUBLE JOIST	SC	= STUD COLUMN
DR	= DOUBLE RAFTER	SCH	= SCHEDULE
EA	= EACH	SPC	= SPECIFIED
EE	= EACH END	THK	= THICK
FJ	= FLOOR JOIST	TRJ	= TRIPLE JOIST
FND	= FOUNDATION	TRTD	= TREATED
FTG	= FOOTING	TYP	= TYPICAL
GALV	= GALVANIZED	UNO	= UNLESS NOTED OTHERWISE
HORIZ	= HORIZONTAL	W	= WIDE FLANGE BEAM
HT	= HEIGHT	WWF	= WELDED WIRE FABRIC
MANUF	= MANUFACTURER	XJ	= EXTRA JOIST

- MAXIMUM HEIGHT OF DECK SUPPORT POSTS AS FOLLOWS:

POST SIZE	MAX. POST HEIGHT**
4 x 4	8'-0"
6 x 6	20'-0"
***	OVER 20'-0"

 * THIS TABLE IS BASED ON NO. 2 TREATED SOUTHERN PINE POSTS. MAXIMUM TRIBUTARY AREA IS BASED ON 128 TOTAL SQUARE FEET WHICH MAY BE LOCATED AT DIFFERENT LEVELS.
 ** FROM TOP OF FOOTING TO BOTTOM OF GIRDER.
 *** DECKS WITH POST HEIGHTS OVER 20'-0" SHALL BE DESIGNED AND SEALED BY A PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT.
- DECKS SHALL BE BRACED TO PROVIDE LATERAL STABILITY BY ONE OF THESE METHODS:
 - THE DECK FLOOR HEIGHT IS LESS THAN 4'-0" AND THE DECK IS ATTACHED TO THE STRUCTURE IN ACCORDANCE WITH SECTION 4) ABOVE. LATERAL BRACING IS NOT REQUIRED.
 - 4 x 4 WOOD KNEE BRACES MAY BE PROVIDED ON EACH COLUMN IN BOTH DIRECTIONS. THE KNEE BRACES SHALL ATTACH TO EACH POST AT A POINT NOT LESS THAN 1/3 OF THE POST LENGTH FROM THE TOP OF THE POST, AND THE BRACES SHALL BE ANGGLED BETWEEN 45° AND 60° FROM THE HORIZONTAL. KNEE BRACES SHALL BE BOLTED TO THE POST AND ORDER WITH ONE 5/8" HOT DIPPED GALVANIZED BOLT AT EACH END OF THE BRACE.
 - FOR FREESTANDING DECKS WITHOUT KNEE BRACES OR DIAGONAL BRACING, LATERAL STABILITY MAY BE PROVIDED BY EMBEDDING THE POSTS IN ACCORDANCE WITH THE FOLLOWING:

POST SIZE	MAX. TRIBUTARY AREA	MAX. POST HEIGHT	EMBEDMENT DEPTH	CONCRETE DIAMETER
4 x 4	48 SQ. FT.	4'-0"	2'-6"	1'-0"
6 x 6	120 SQ. FT.	6'-0"	3'-6"	1'-8"
- 2 x 6 DIAGONAL VERTICAL CROSS BRACING MAY BE PROVIDED IN TWO (2) PERPENDICULAR DIRECTIONS FOR FREESTANDING DECKS OR PARALLEL TO THE STRUCTURE AT THE EXTERIOR COLUMN LINE FOR ATTACHED DECKS. THE 2 x 6s SHALL BE ATTACHED TO THE POSTS WITH ONE 5/8" HOT DIPPED GALVANIZED BOLT AT EACH END OF EACH BRACING MEMBER.
 FOR FREESTANDING DECKS IN COASTAL REGIONS, SEE CHAPTER 46.



ALLOWABLE SPANS FOR LINTELS SUPPORTING MASONRY VENEER

SIZE OF ANGLE (1,3)	NO STORY ABOVE (5)	1 STORY ABOVE (5)	2 STORIES ABOVE (5)	# OF 1/2" (OR EQUIV.) REINFORCING BARS IN REINFORCED LINTEL (2,4,5)
L 3 x 3 x 1/2	6'-0"	4'-6"	3'-0"	1
L 4 x 3 x 1/2	8'-0"	6'-0"	4'-6"	1
L 5 x 3 1/2 x 3/4	10'-0"	8'-0"	6'-0"	2
L 6 x 3 1/2 x 3/4	14'-0"	9'-6"	7'-0"	2
2L 5 x 3 1/2 x 3/4	20'-0"	12'-0"	9'-6"	4

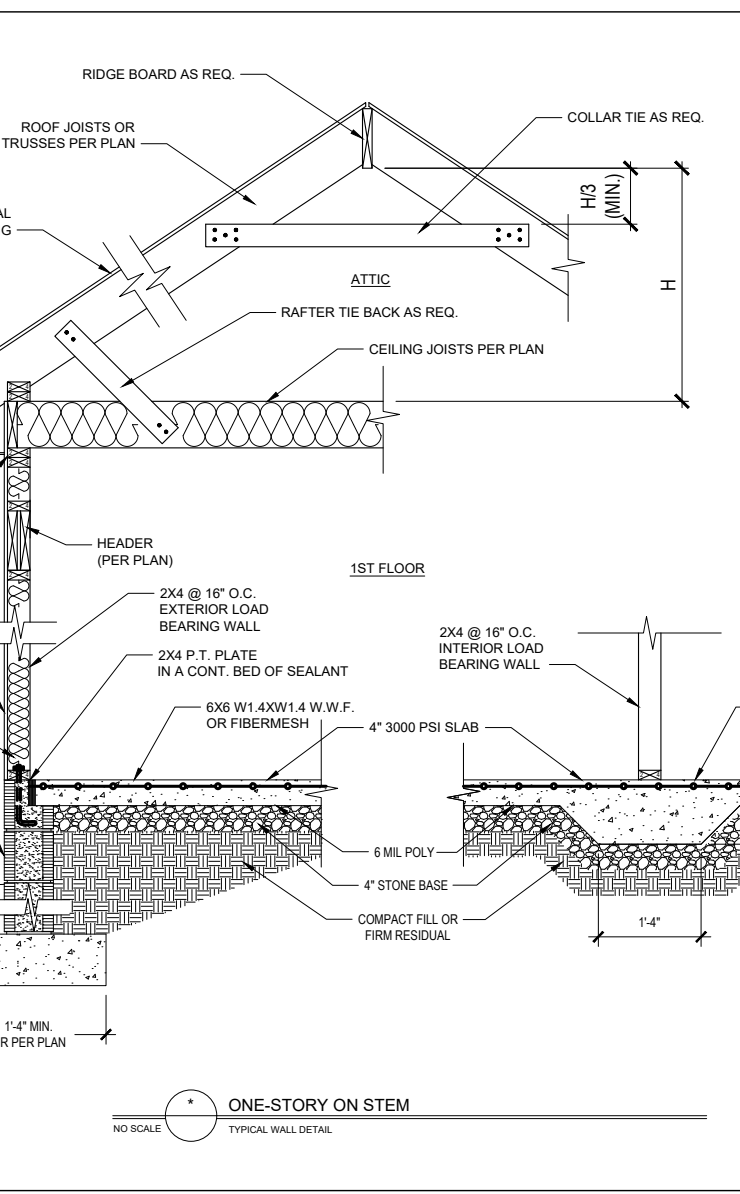
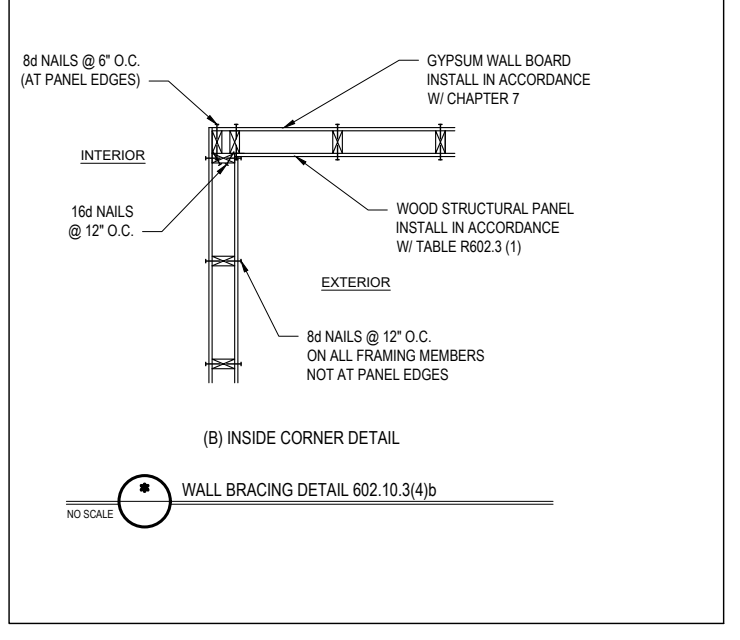
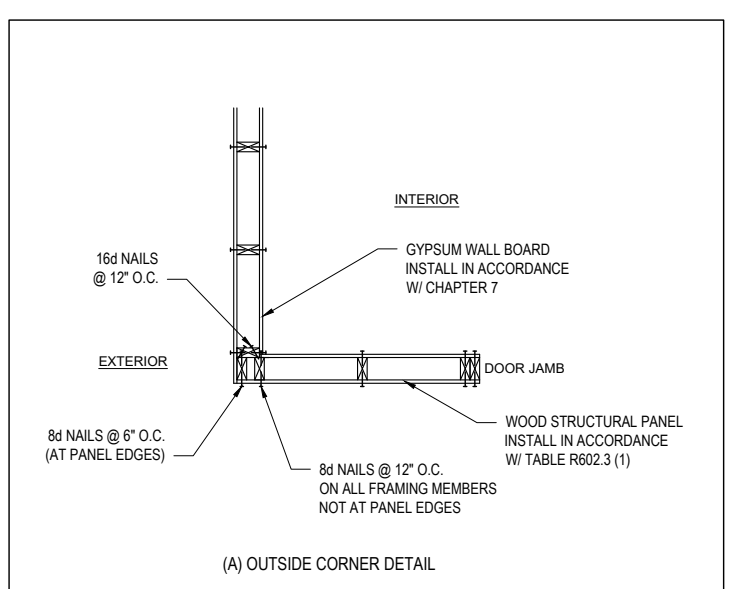
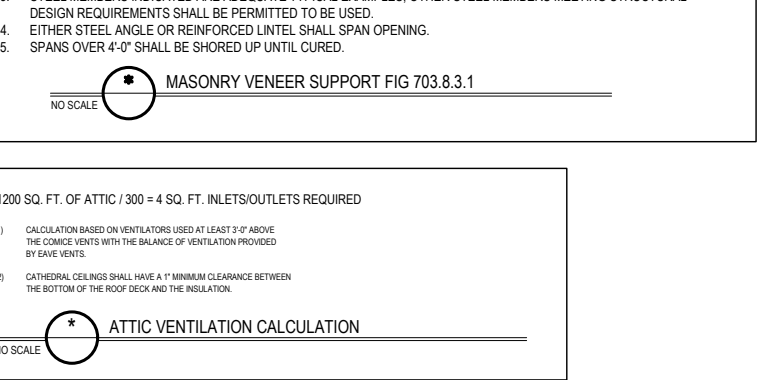


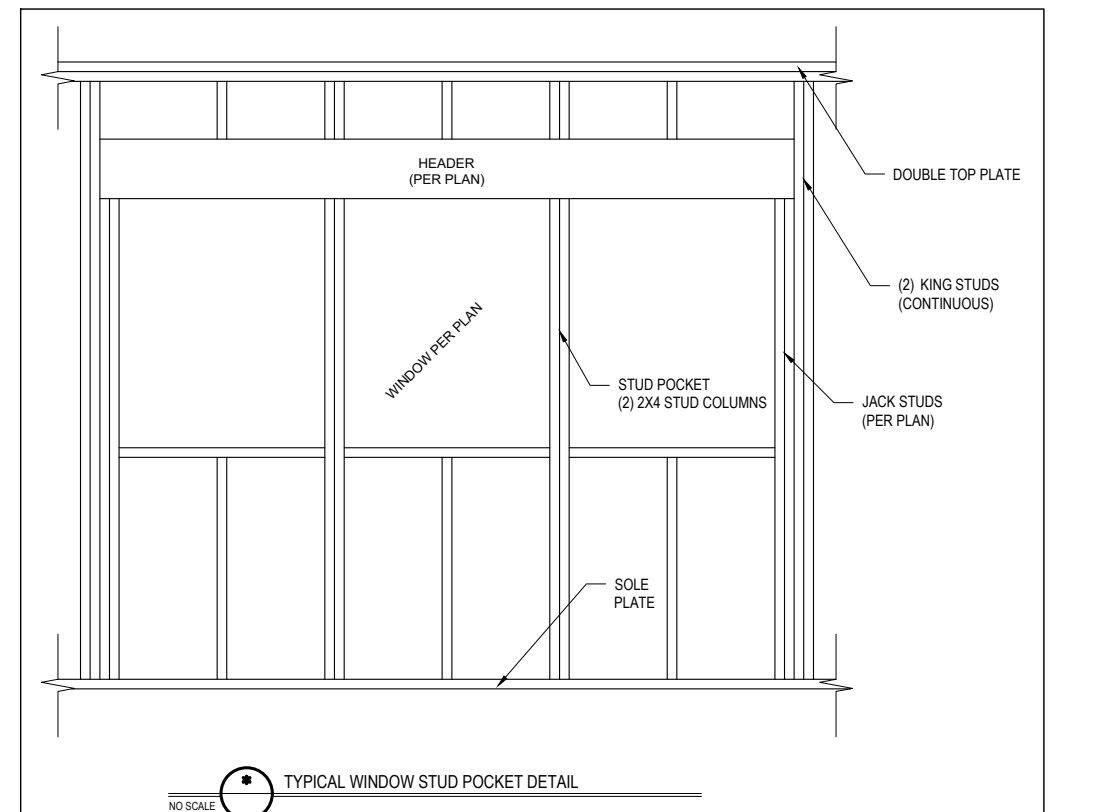
TABLE N1102.1 CLIMATE ZONES 3-5

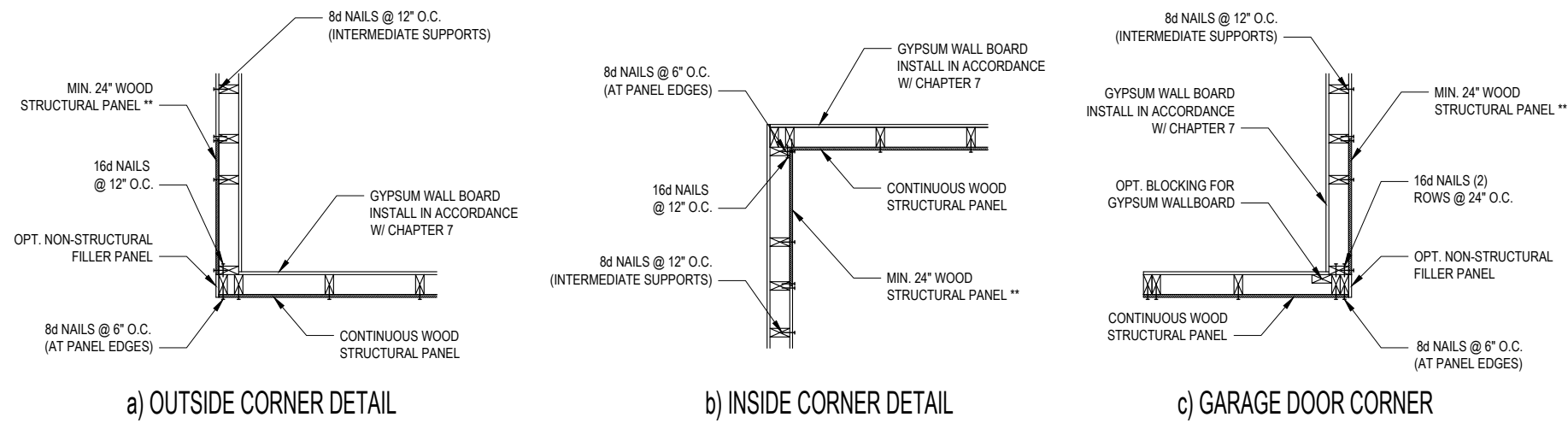
CLIMATE ZONES	FENESTRATION U-FACTOR (1)	SKYLIGHT U-FACTOR (2)	GLAZED FENESTRATION SHGC (3A)	CEILING R-VALUE (4)	WOOD FRAMED WALL R-VALUE (5)	MASS WALL R-VALUE (6)	FLOOR R-VALUE (7)	BASEMENT WALL R-VALUE (8)	SLAB R-VALUE AND DEPTH (9)	CRAWL SPACE WALL R-VALUE (10)
3	0.35	0.55	0.30	38 or 30 (cont.)	15 or 13 + 2.5 *	5/13 or 5/10 (cont.)	19	9/13	0	5/13
4	0.35	0.55	0.30	38 or 30 (cont.)	15 or 13 + 2.5 *	5/13 or 5/10 (cont.)	19	10/15	10	10/15
5	0.35	0.55	NR	38 or 30 (cont.)	19, or 13 + 5 or 15 + 3 *	13/17 or 13/12.5 (cont.)	30 *	10/15	10	10/15

NO SCALE

HARDWARE CROSS-REFERENCE CHART

SIMPSON STRONG-TIE	USP STRUCTURAL CONNECTORS
A35	MPA1
ABE	PAE
CBSQ	CBSQ
CCD	KCCD
CMSTC16	CMSTC16
CS	RS
H1	RT16
H2.5A	RTTA
H10	RT10
H10S-SDS3	UPH10
H10L-SDS2.5	PH10
H10L-SDS2.5	PH10S
HETA	HTA
HGAM10KTA	HGAM
H10D14-SDS2.5	UPH14
H15	HTW
H17	HTT
H18	H18
LTA1	LPTA
LTHA26	HJC26
LTP4	MP4F
LUS	JUS
MMS	FA3
MSTAM	MSTAM
PC	PCM
PHD-SDS3	PHD
SP	RSPT8
STC	TR1
STDH	STAD





**IN LIEU OF THE 24\"/>

B1: TYPICAL EXTERIOR CORNER FRAMING FOR CONTINUOUS SHEATHING
NO SCALE

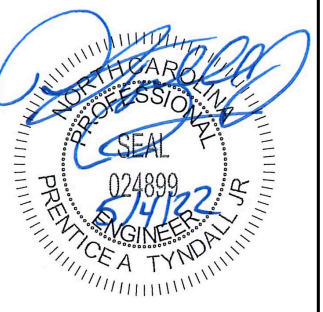
STRUCTURAL SHEATHING NOTES

- DESIGNED FOR SEISMIC ZONE A-C AND WIND SPEEDS OF 120 MPH OR LESS.
- WALLS SHALL BE BRACED IN ACCORDANCE WITH SECTION R602.10.3 OF THE 2018 NRC.
- BRACING REQUIREMENTS SHALL BE PER TABLE R602.10.3. REFER TO SECTION R602.10.4 FOR LOAD PATH DETAILS INCLUDING CONNECTIONS & SUPPORT OF BRACED WALL PANELS.
 - REFERENCE FIGURE R602.10.4.3 OF THE 2018 NRC.
- INTERIOR BRACED WALL PANELS (BWP) INDICATED SHALL BE SHEATHED IN ACCORDANCE WITH THE GB METHOD OR WSP METHOD AS PRESCRIBED IN SECTION R602.10.1 (LINO)
 - 12\"/>
 - 38\"/>
- EXTERIOR BRACED WALL PANELS (BWP) SHALL BE CONSTRUCTED IN ACCORDANCE WITH CS-WSP METHOD AS PRESCRIBED IN SECTION R602.10.3 (LINO)
- ALL SHEATHABLE SURFACES OF EXTERIOR WALLS INCLUDING AREAS ABOVE AND BELOW OPENINGS AND GABLE END WALLS SHALL BE CONTINUOUSLY SHEATHED WITH WOOD STRUCTURAL PANEL (WSP) SHEATHING WITH A MINIMUM THICKNESS OF 3/8\"/>
- MINIMUM BRACED WALL PANEL LENGTHS WITH CS-WSP METHOD SHALL BE AS FOLLOWS:
 - 24\"/>
 - 30\"/>
 - 48\"/>
- SHEATH INTERIOR AND EXTERIOR
- FOR CS-WSP METHOD, A MINIMUM 24\"/>

REQUIRED BRACED WALL PANEL CONNECTIONS				
METHOD	MATERIAL	MIN. THICKNESS	REQUIRED CONNECTION	
			@ PANEL EDGES	@ INTERMEDIATE SUPPORTS
CS-WSP	WOOD STRUCTURAL PANEL	3/8"	6d COMMON NAILS @ 6\"/>	6d COMMON NAILS @ 12\"/>
GB	GYPSUM BOARD	1/2"	5d COOLER NAIL** @ 7\"/>	5d COOLER NAIL** @ 7\"/>
WSP	WOOD STRUCTURAL PANEL	3/8"	6d COMMON NAILS @ 6\"/>	6d COMMON NAILS @ 12\"/>

**OR EQUIVALENT PER TABLE R702.3.5
B3: BRACE WALL PANEL CONNECTIONS
NO SCALE

* Engineers seal does not include construction means, methods, techniques, sequences, procedures or safety precaution.
 * Any deviations or discrepancies on plans are to be brought to the immediate attention of Tyndall Engineering & Design, P.A. Failure to do so will void Tyndall Engineering & Design, P.A. liability.
 * Please review these documents carefully. Tyndall Engineering & Design, P.A. will interpret that all dimensions, recommendations, etc. presented in these documents were deemed acceptable once construction begins.



TYNDALL
ENGINEERING & DESIGN, P.A.



T 919 775-3800 • F 919 775-5458
280 Shipwash Drive • Garner • North Carolina • 27839
www.tyndallengineering.com

Client: **KEN DAWSON**
 Date: **THE FAIRHAVEN 2**

**SHEATHING
DETAILS**

Project #: 2201-010165
 Date: 05/03/22
 Engineered By: PTH
 B.W.C. Checked By: PTH
 Scale: NOT TO SCALE

REVISIONS		
No.	Date	Remarks

Sheet Number

D2