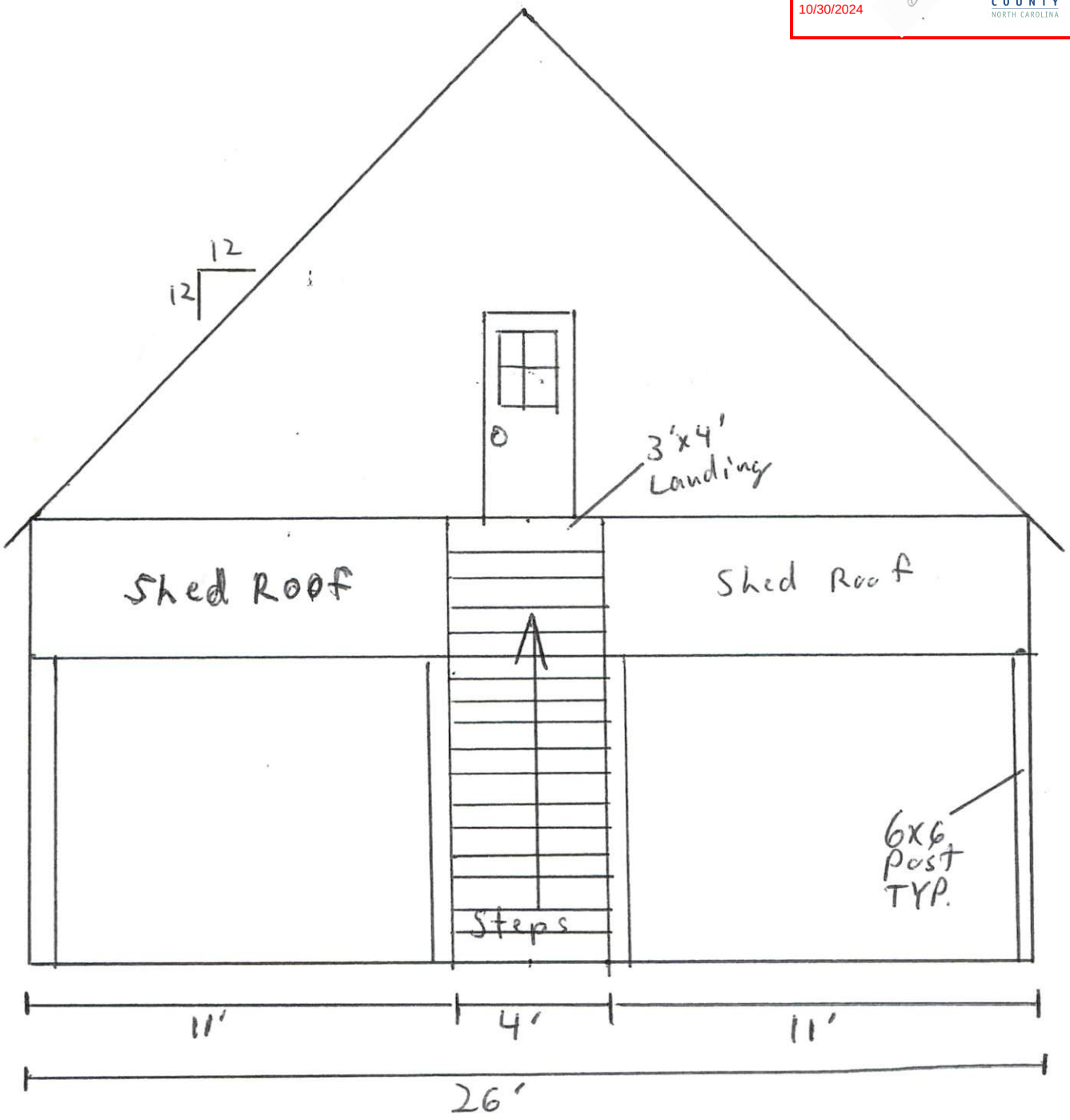
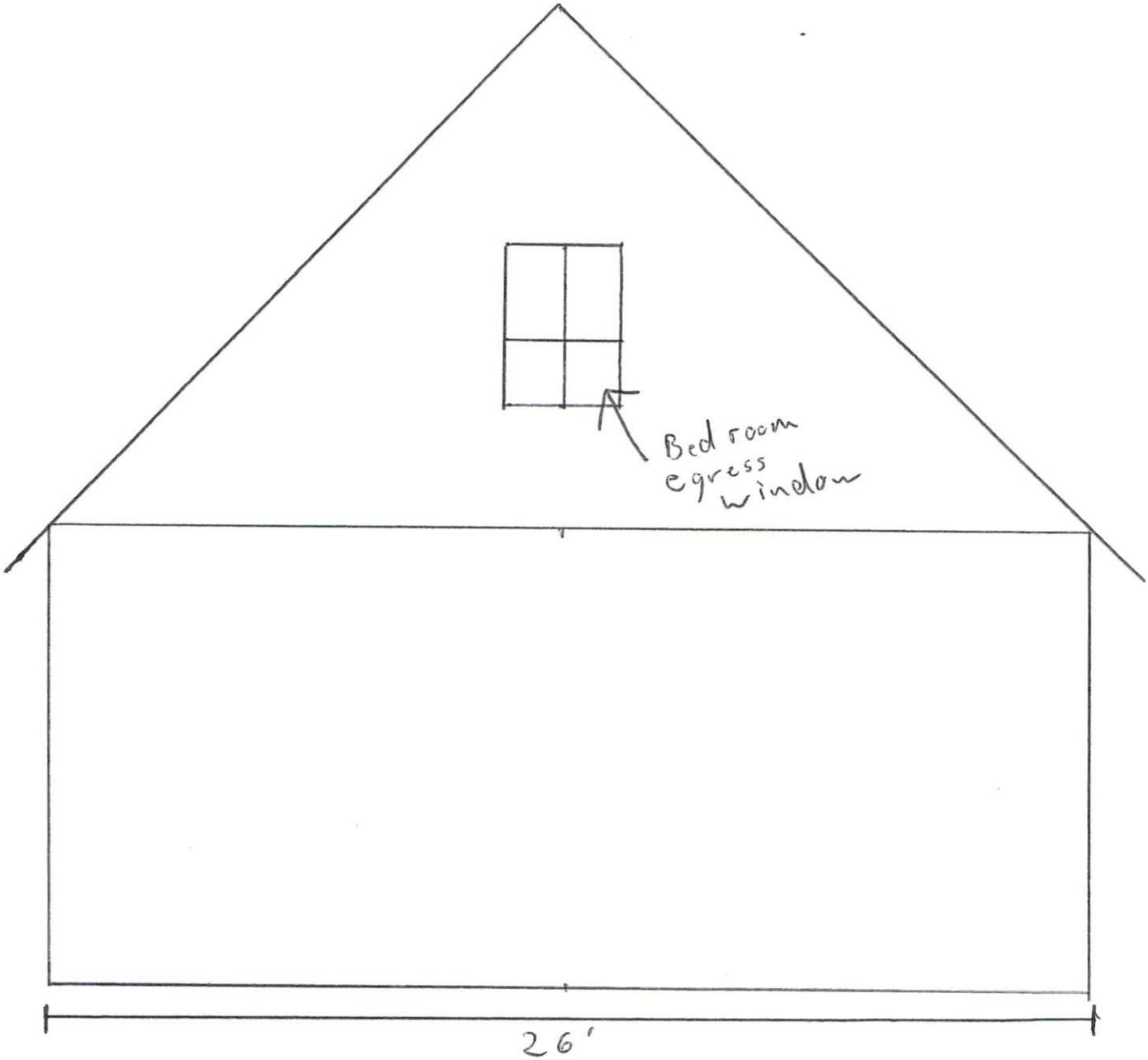
Jon & Lynn Kerien
188 Shady Brook

TARHEEL RESTORATION INC
919.916.9682 BRUCE

NOTICE TO CONTRACTOR
All construction must comply with current NC Building Codes and is subject to field inspection and verification.
APPROVED
Limited building only review
Permit holder responsible for full compliance with the code
10/30/2024
Harnett COUNTY NORTH CAROLINA

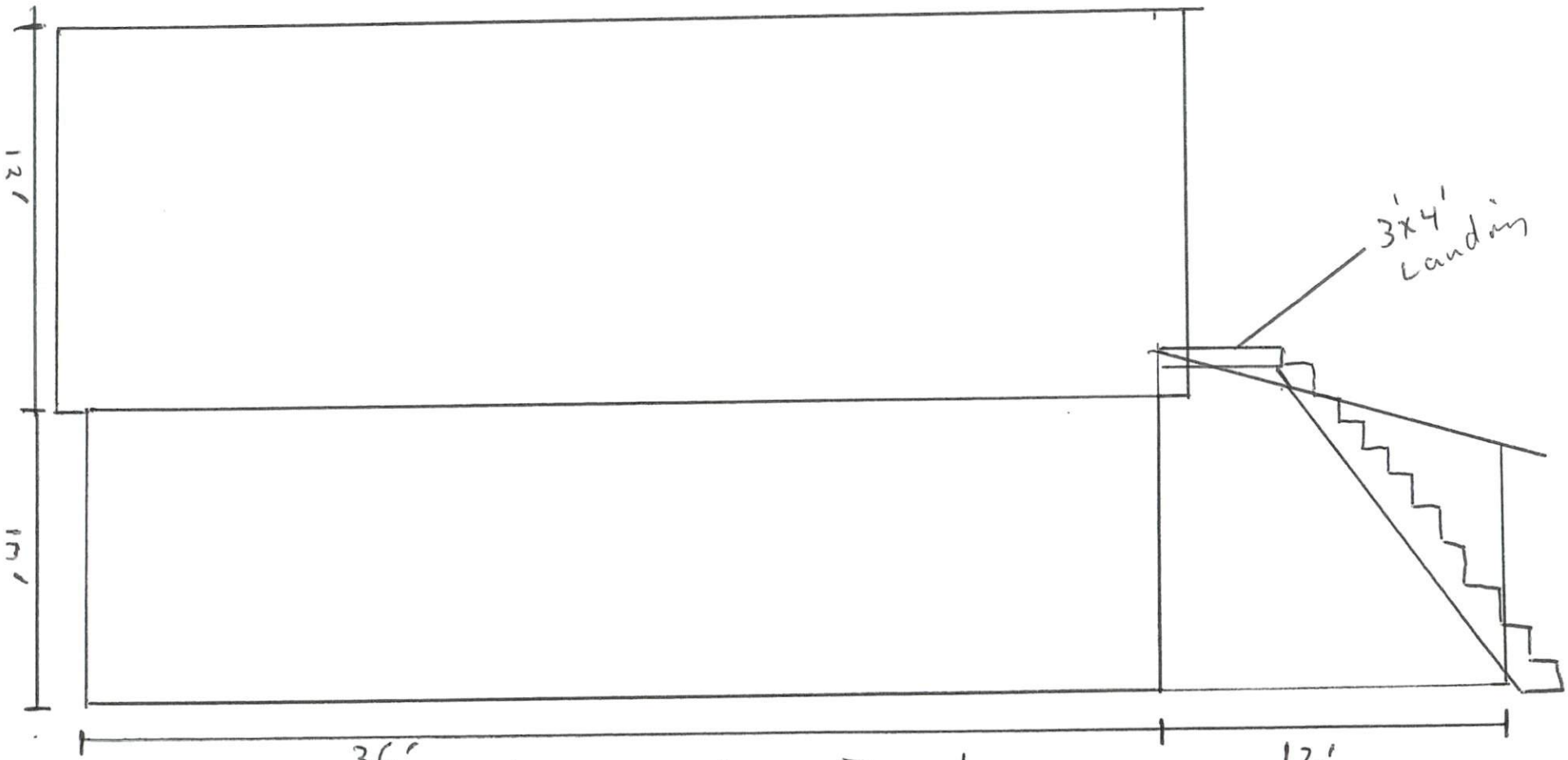


Front Elevation
Scale: 1/4" = 1'0"

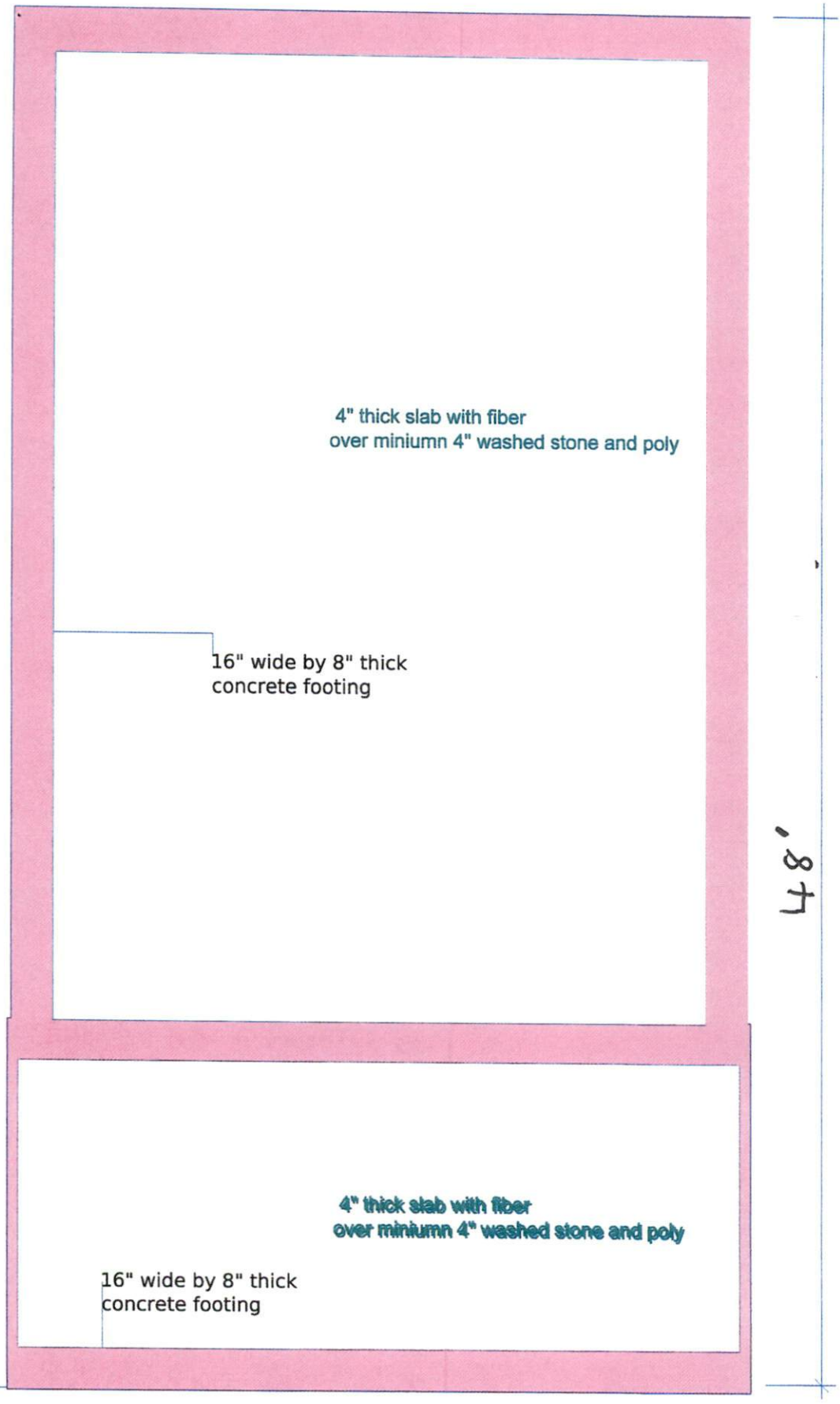


Rear Elevation

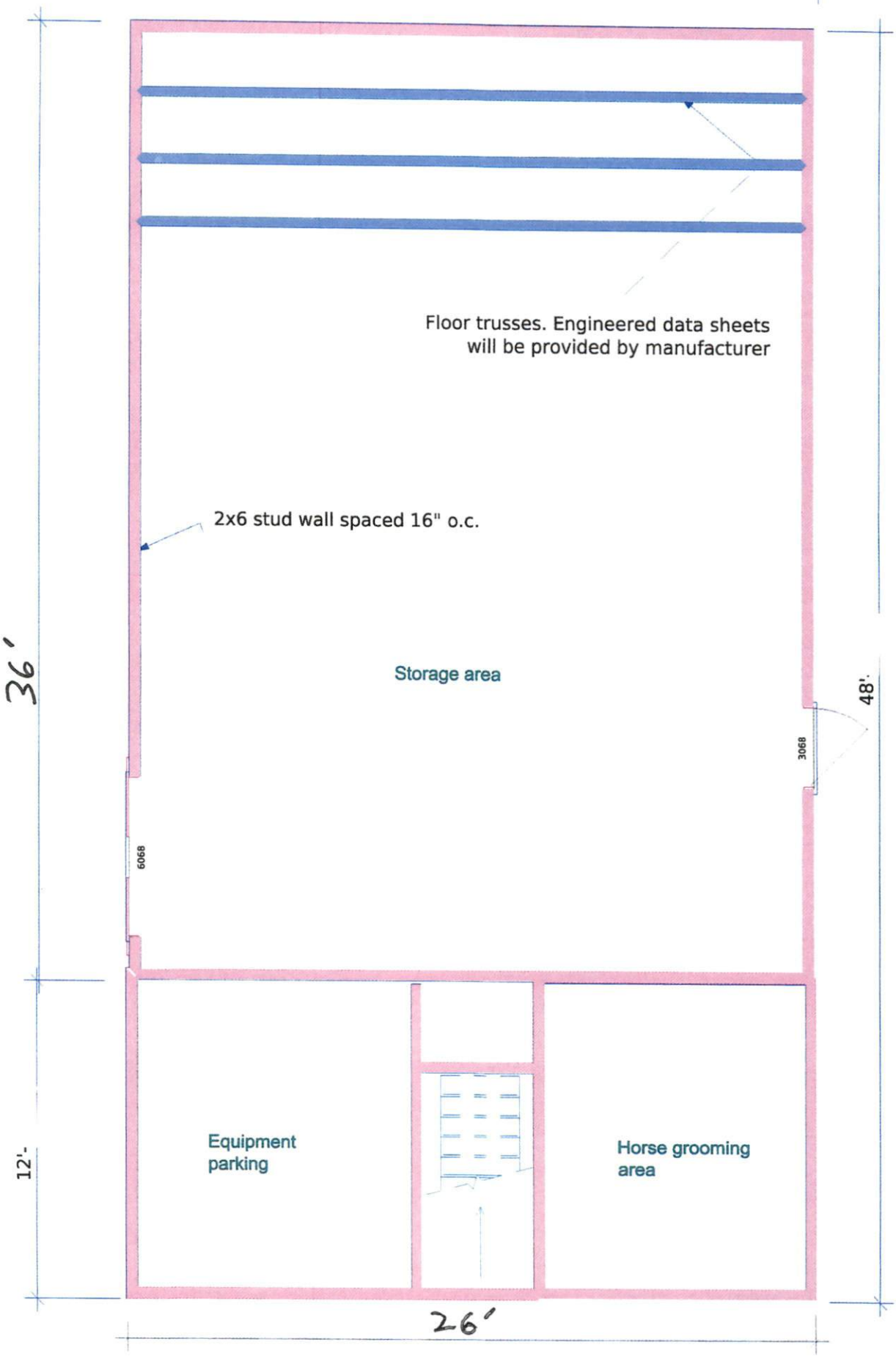
Scale: 1/4" = 1'0"



Left side Elevation

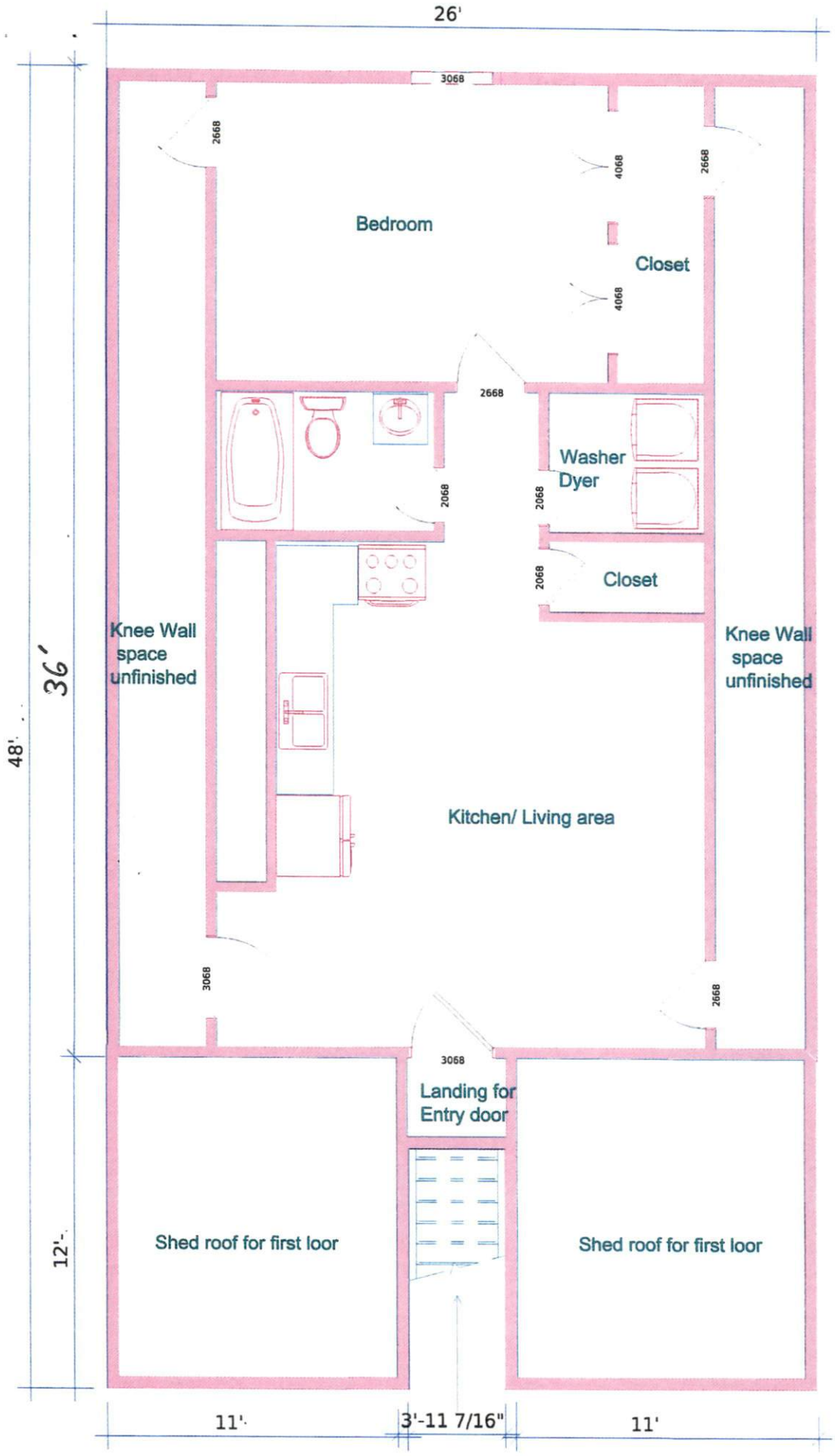


Footing/Foundation Plan
scale: 3/16" = 1'0"

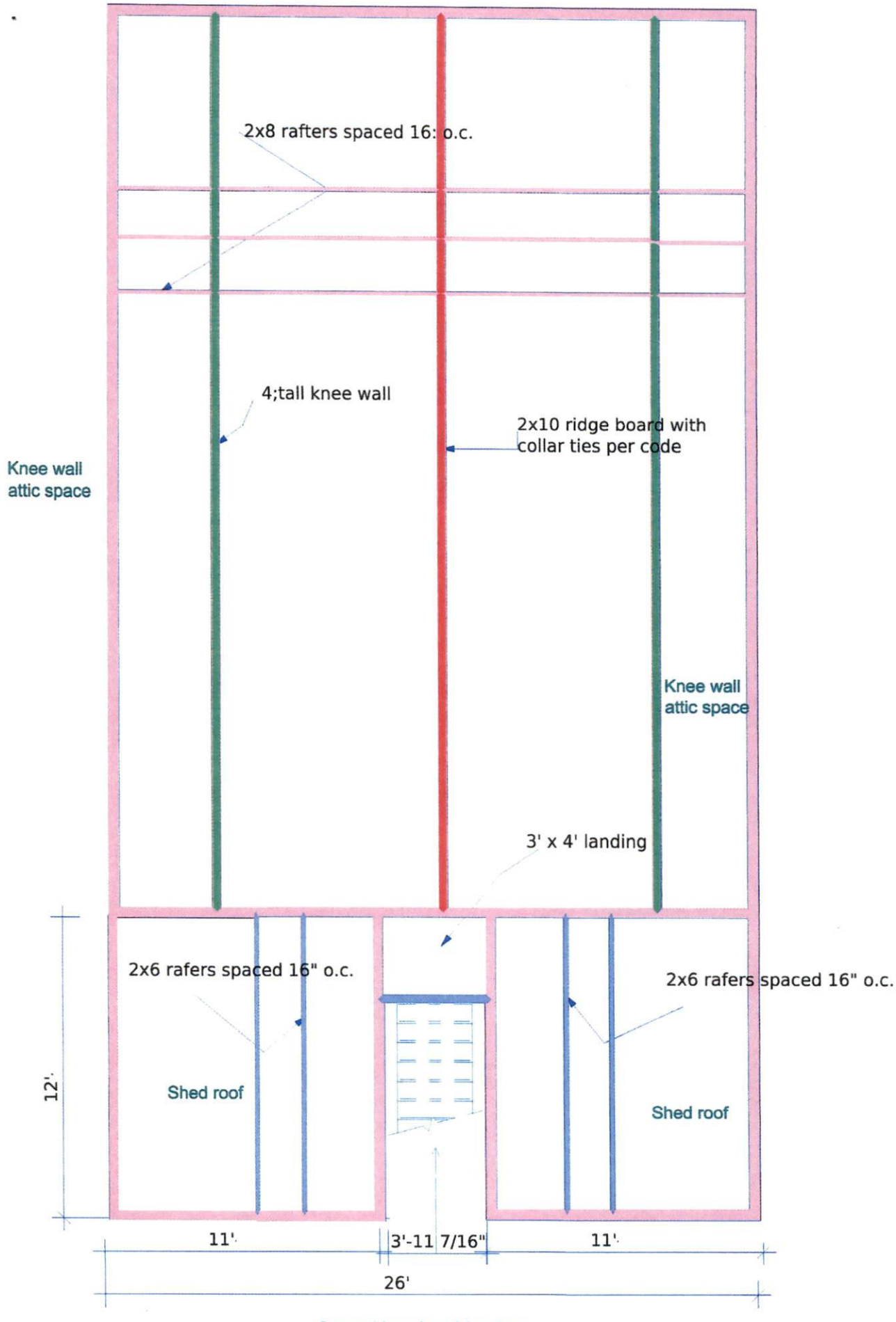


First Level framing plan

scale: 3/16" = 1'0"



Upeer level floor plan
Scale: 3/16" = 1'0"



Second Level roof framing

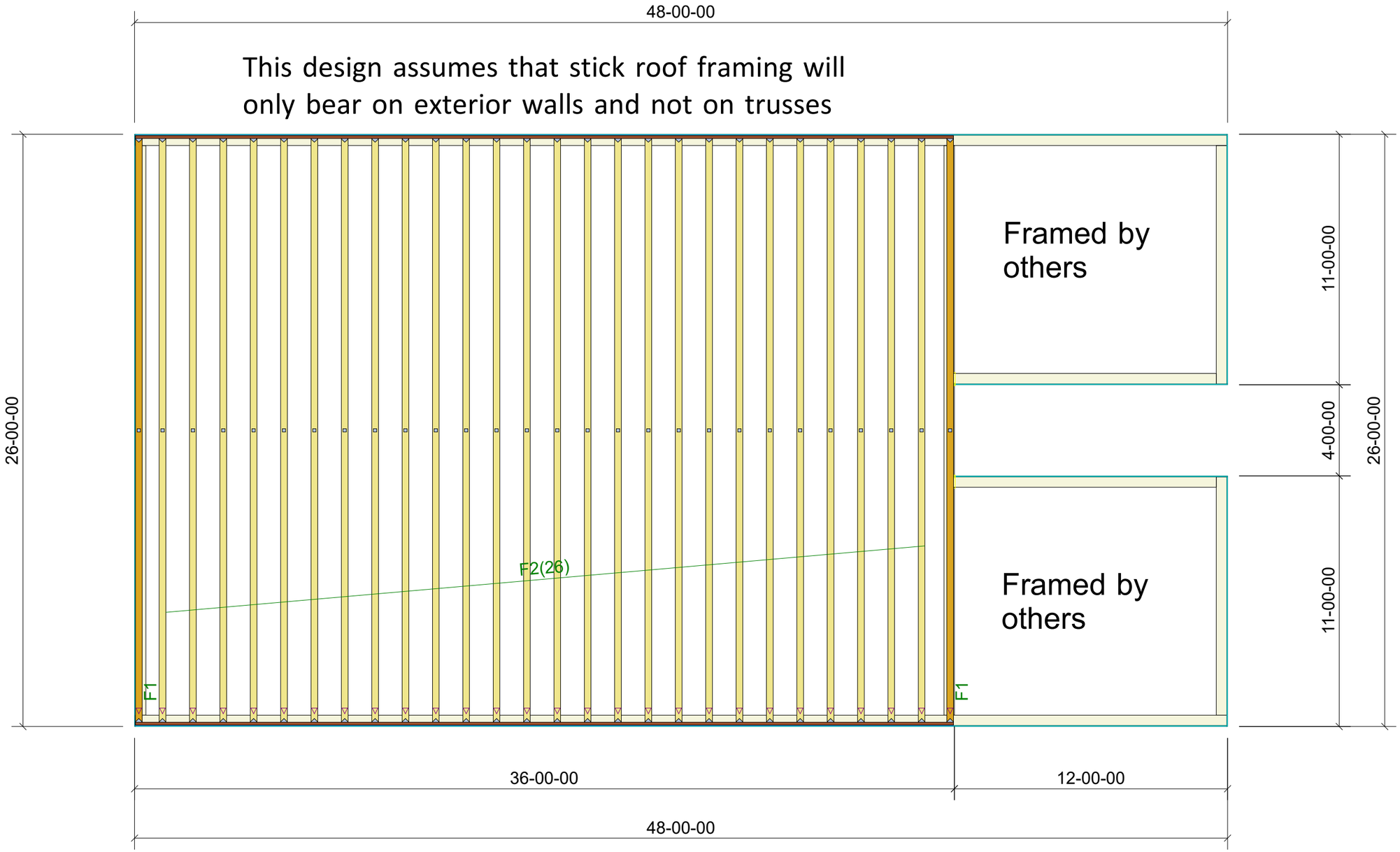
Scale: 3/16" = 1'0"

Design based on plans and/or revisions dated :
NA

Plans and/or revisions received on :
10/24/24

THIS LAYOUT IS TO BE USED AS A TRUSS PLACEMENT GUIDE ONLY. PLEASE REFER TO BUILDING PLANS FOR BUILDING CONSTRUCTION AND DETAILS, SUCH AS PLUMBING OR DUCT DROPS.

PROPOSED DESIGN- NOT FOR CONSTRUCTION



Notes:
1. Exterior dimensions shown are assumed to be:
   ☐Out-to-out of stud
   ☒Out-to-out of sheathing
   ☐Out-to-out of Block
2. Adjust truss locations as needed for plumbing and mechanical clearance. Unless otherwise noted, trusses may be shifted as long as O.C. spacing shown is not exceeded.
3. Do not cut, drill, or otherwise damage any part of any truss without prior approval from Peak Truss.
4. Do not approve drawings if any information herein is unclear. Once ordered trusses will be fabricated as approved.
5. Please contact Peak Truss Builders with any questions. We are available to help any way we can. We can be reached at 919-545-5555 or sales@peaktruss.com

Roof Truss Loading specified by building designer on Residential jobs

Top Chord Live Load	20.0 lb/ft²
Top Chord Dead Load	10.0 lb/ft²
Bottom Chord Live Load	0.0 lb/ft²
Bottom Chord Dead Load	10.0 lb/ft²

Trusses are designed for additional storage load wherever a 42"x24" box will fit between the webs.

Floor Truss Loading specified by building designer on Residential jobs

Top Chord Live Load	40.0 lb/ft²
Top Chord Dead Load	10.0 lb/ft²
Bottom Chord Live Load	0.0 lb/ft²
Bottom Chord Dead Load	5.0 lb/ft²

Floor Live Load deflection limit L/480
Roof Live Load deflection limit L/240

This layout has been designed using the IRC2015 building code.

Model created using a wind speed of 115 mph specified for Wake County.

△ - This symbol denotes left end of truss as shown on truss drawings
● - Approxiate location of toilet drop. Builder please confirm.

Truss connections by others:
Ⓝ -Nailed
Ⓛ -Ledger

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NA: NA
Depth: 18"
Spacing: 16" OC

Wall Types

▭	Load Bearing
▭	Non Load Bearing

Job # Q-2402568

188 Shady Brook
188 Shady Brook Ln
Fuquay Varina NC

UNit / Lot:

Layout Creation Date:
10/29/2024

Sales: Jorge Gomez - Designs: Rob Williford

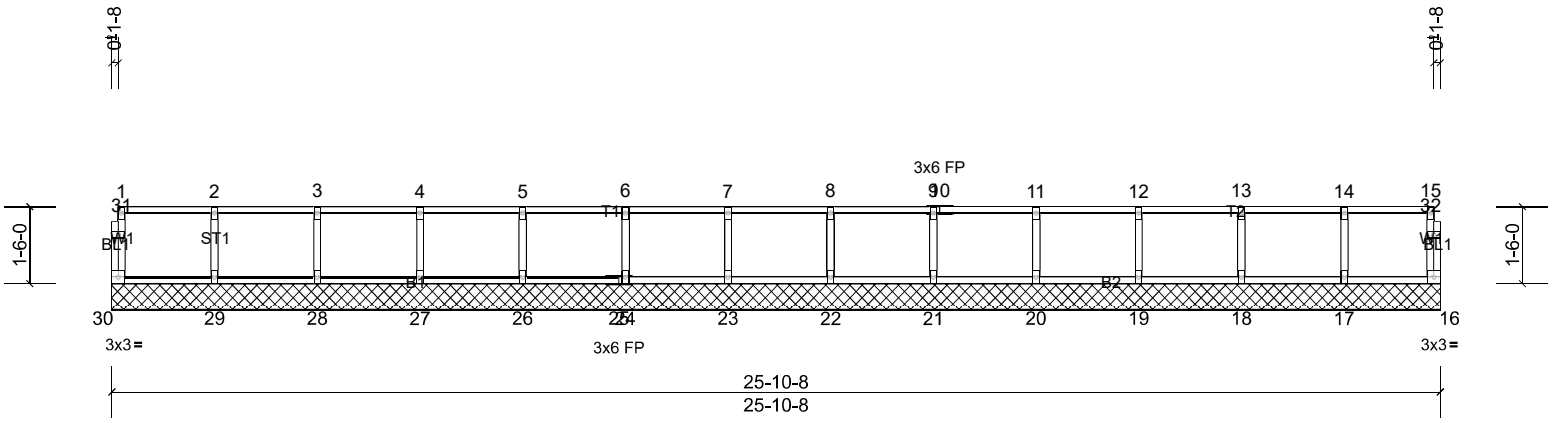
Tarheel Restoration Inc
3419 Pea Ridge Rd
New Hill,NC
27562

Peak Truss Builders, LLC
PO Box 340, New Hill, NC 27562

Job	Truss	Truss Type	Qty	Ply	188 Shady Brook-Floor
Q-2402568-1	F1	Floor Supported Gable	2	1	Job Reference (optional)

Peak Truss Builders LLC, New Hill, user — Run: 8.72 S Apr 24 2024 Print: 8.720 S Apr 24 2024 MiTek Industries, Inc. Tue Oct 29 11:09:25 — Page: 1

ID:41mrrma2Q0IuQcFKn0lvJ0yOrEC-Syw5q0NHmY4y?SyQUNhjc7gjbCtaPpXaIFrOqdyOatO



Scale = 1:44.9

Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.11	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	16	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 106 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS All bearings 25-10-8.
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 29, 30

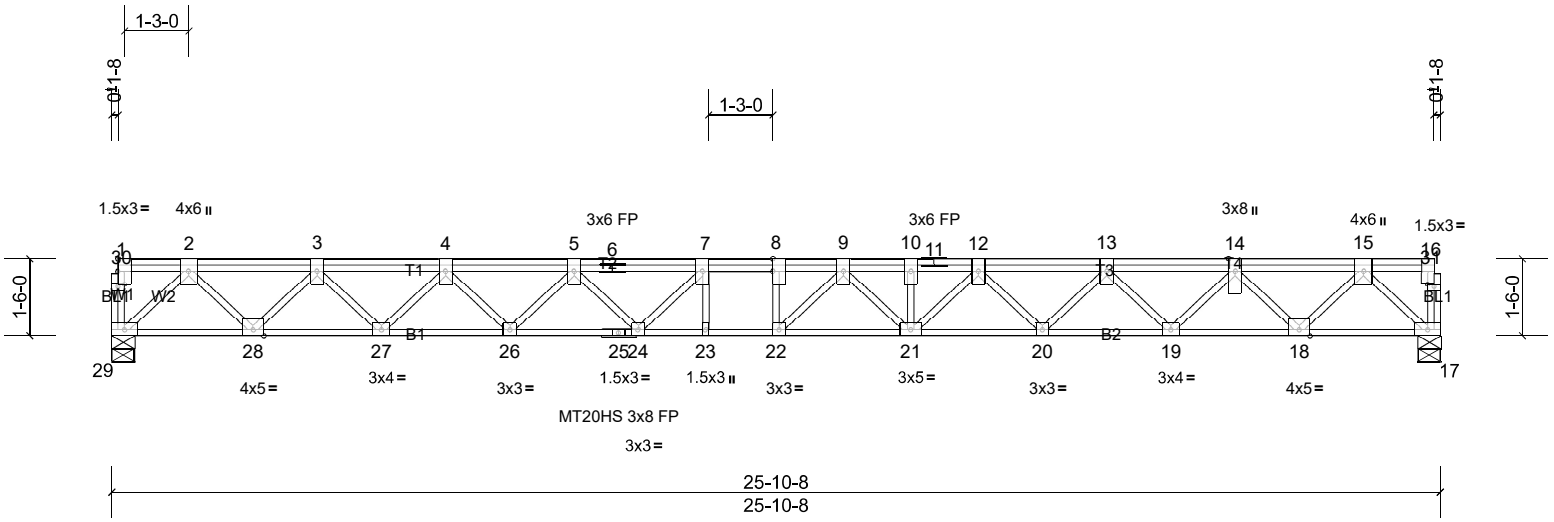
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES

1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 2-0-0 oc.
5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	188 Shady Brook-Floor
Q-2402568-1	F2	Floor	26	1	Job Reference (optional)



Scale = 1:44.9

Plate Offsets (X, Y): [8:0-3-0,Edge], [30:0-1-8,0-0-8], [31:0-1-8,0-0-8]

Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.27	Vert(LL)	-0.41	21-22	>743	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.84	Vert(CT)	-0.57	21-22	>540	240	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.11	17	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 174 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.1(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 17=935/0-5-4, (min. 0-1-8), 29=935/0-5-4, (min. 0-1-8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-1662/0, 3-4=-2906/0, 4-5=-3798/0, 5-6=-4347/0, 6-7=-4347/0, 7-8=-4544/0, 8-9=-4544/0, 9-10=-4383/0, 10-11=-4383/0, 11-12=-4383/0, 12-13=-3794/0, 13-14=-2907/0, 14-15=-1662/0

BOT CHORD 28-29=0/941, 27-28=0/2366, 26-27=0/3431, 25-26=0/4150, 24-25=0/4150, 23-24=0/4544, 22-23=0/4544, 21-22=0/4507, 20-21=0/4140, 19-20=0/3433, 18-19=0/2365, 17-18=0/941

WEBS 15-17=-1299/0, 2-29=-1298/0, 15-18=0/1046, 2-28=0/1046, 14-18=-1019/0, 3-28=-1020/0, 14-19=0/785, 3-27=0/783, 13-19=-763/0, 4-27=-761/0, 13-20=0/524, 4-26=0/533, 12-20=-502/0, 5-26=-510/0, 12-21=0/349, 5-24=-1/432, 9-21=-258/0, 7-24=-460/53, 9-22=-275/396

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 3x6 MT20 unless otherwise indicated.
4) The Fabrication Tolerance at joint 25 = 11%
5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard