

EXISTING

Shay & Jason Sturgill
 308 Thomas Ave
 Lillington NC

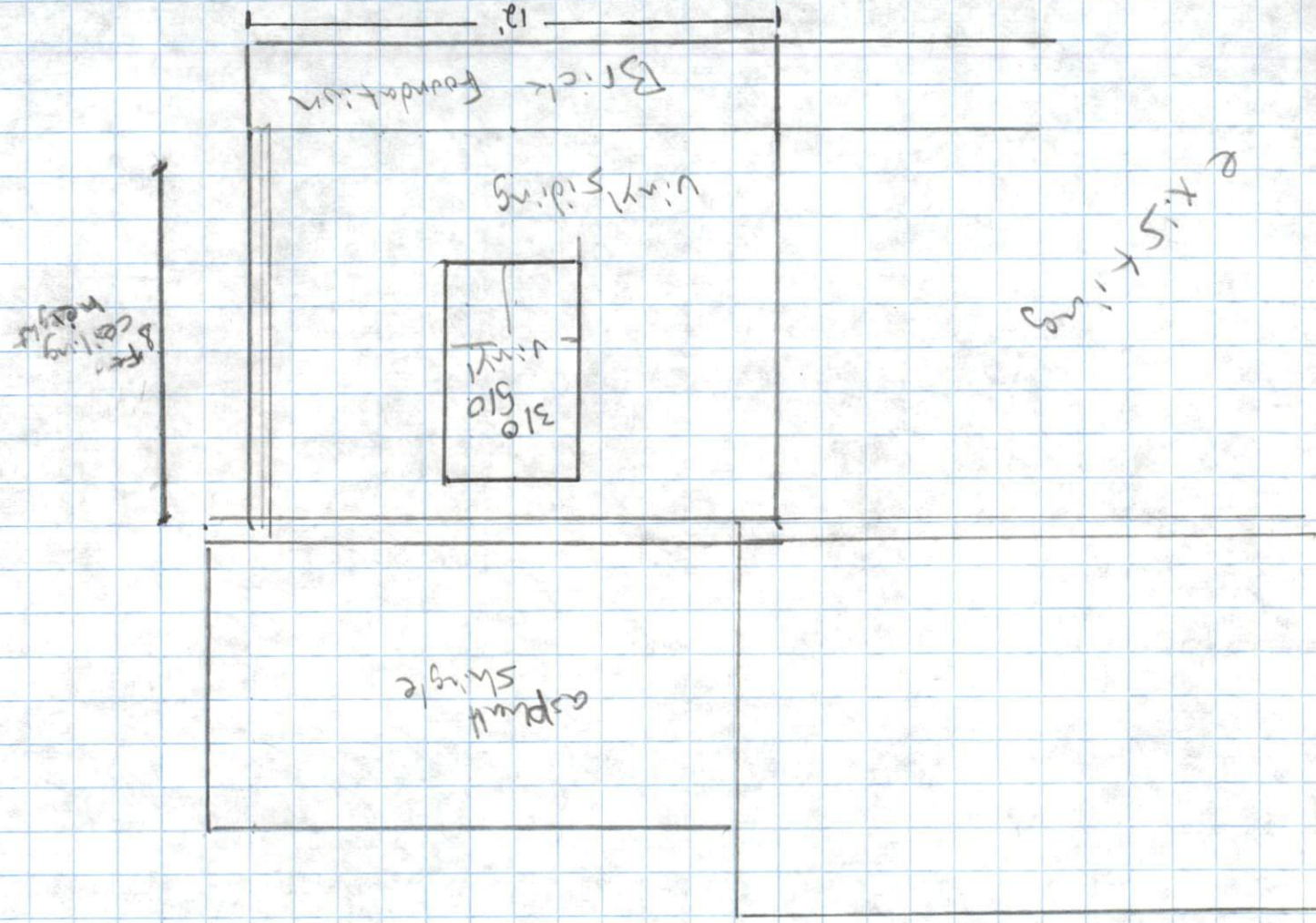
- * 2x4 loc. wall construction
- * continuous 4x8 wall sheathing
- * sheathing nail pattern; edge 4" field 8"
- * all header (2) 2x10 w/ single 2x4 ec.

Brick/block masonry
 12" loc. 12" ground

Foundation
 16x16 solid pier
 concrete
 200 PSI
 Foundation vents and access per code

Shay & Jason Sturgill
302 Thomas Ave
Lillingston NC

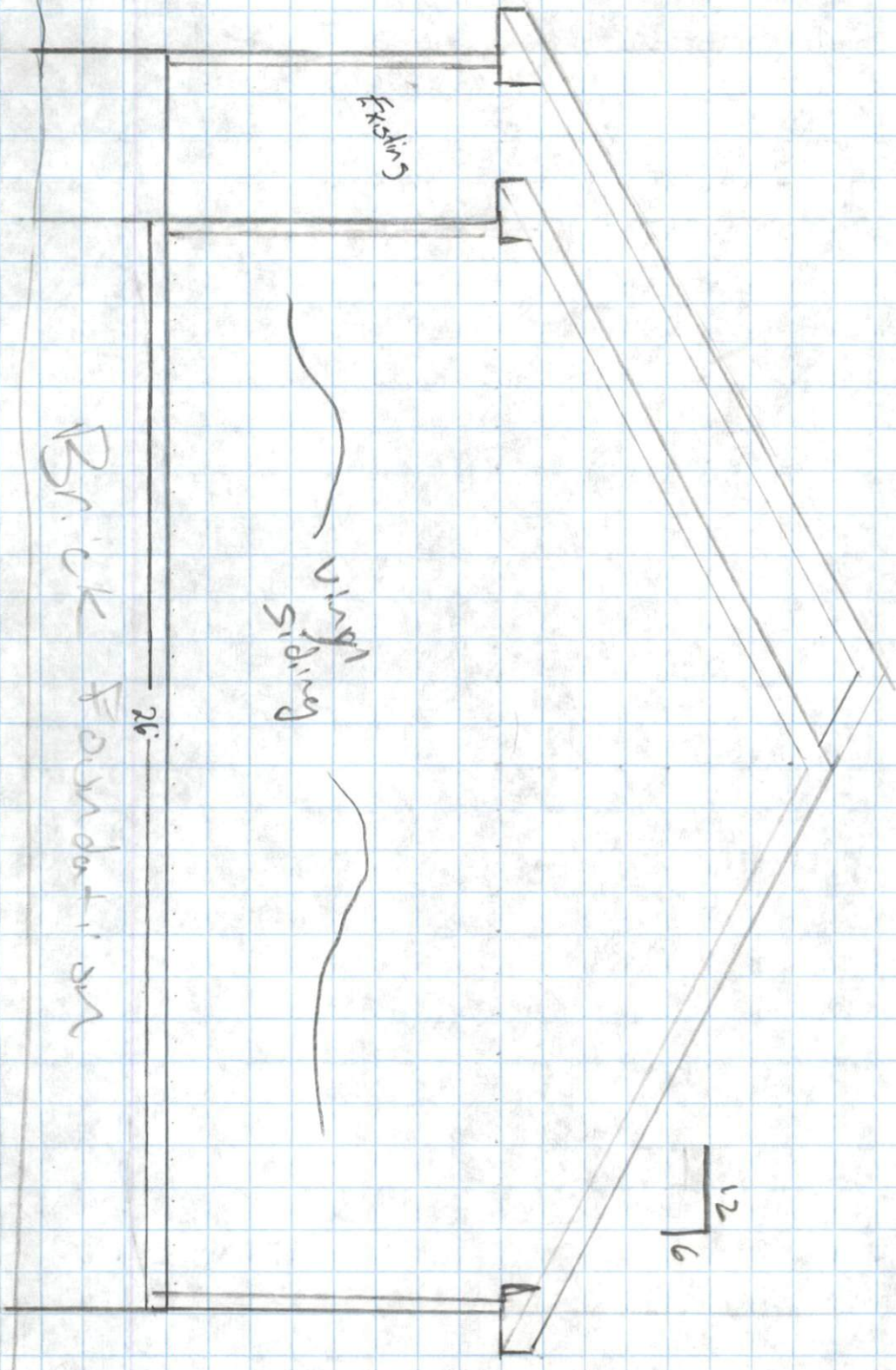
Front elevation



$$1/4 = 1'$$

Shry & Tason Sturgill
302 Thomas Ave
Killington NC

Right Side Elevation

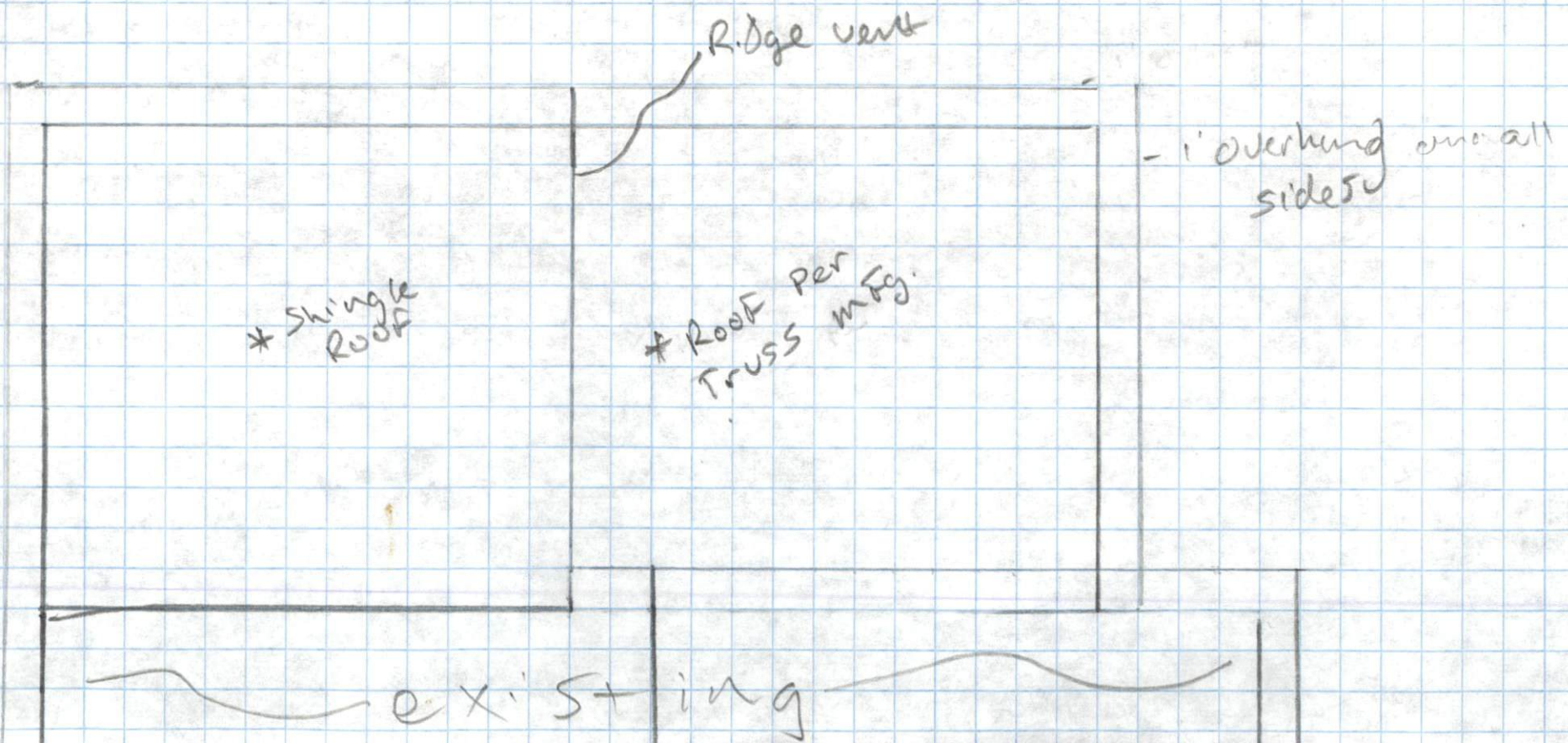


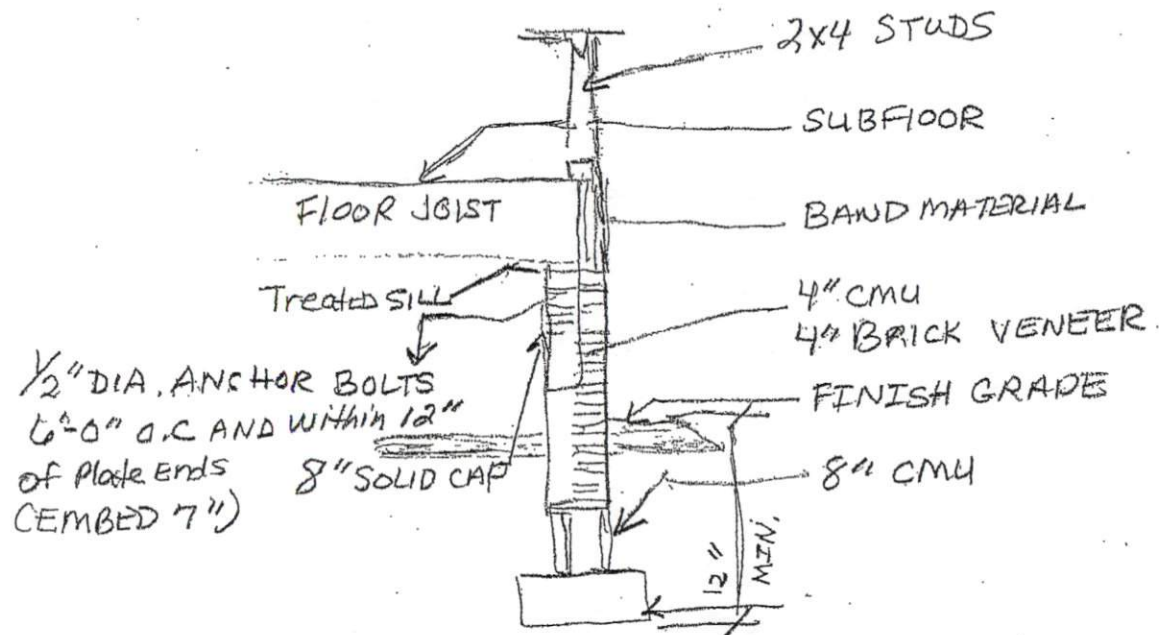
78'

1 Brick
1/4 = 1'

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Lillington NC

Roof Plan





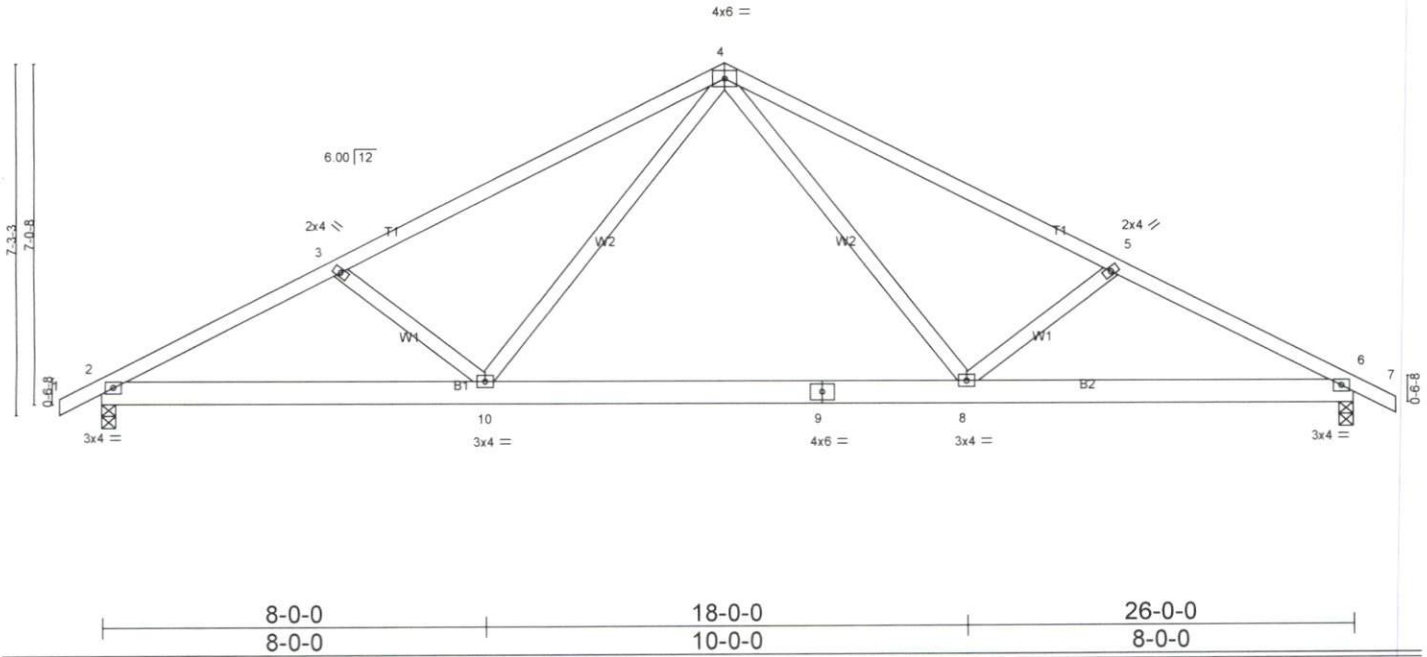
CRAWL SECTION

Job J1021-6261	Truss A1	Truss Type HOWE	Qty 5	Ply 1	Hampheys Residence
Comtech, Inc., Fayetteville, NC 28309					Job Reference (optional)

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Oct 27 10:08:04 2021 Page 1
 ID:o1d9wqcW_OXetA_Tqxbe5yPG35-CCYt10d0GfHL9kR5g?2ShbsBce4p6yW6YtbWuEyPFYv

0-10-8	5-0-0	13-0-0	21-0-0	26-0-0	26-10-8
0-10-8	5-0-0	8-0-0	8-0-0	5-0-0	0-10-8

Scale = 1:45.1



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.78	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.43	Vert(LL) -0.15 8-10 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.15	Vert(CT) -0.25 8-10 >999 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.03 6 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.04 8-10 >999 240	Weight: 143 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SP No.1
 BOT CHORD 2x6 SP No.1
 WEBS 2x4 SP No.2

BRACING-
 TOP CHORD Structural wood sheathing directly applied.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=1090/0-3-8 (min. 0-1-8), 6=1090/0-3-8 (min. 0-1-8)
 Max Horz 2=-90(LC 10)
 Max Uplift 2=-76(LC 12), 6=-76(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-11=-1861/392, 3-11=-1752/410, 3-12=-1624/341, 4-12=-1510/362, 4-13=-1509/362,
 5-13=-1624/341, 5-14=-1752/410, 6-14=-1861/392
 BOT CHORD 2-10=-295/1639, 10-15=-78/1012, 9-15=-78/1012, 8-9=-78/1012, 6-8=-304/1609
 WEBS 3-10=-400/253, 4-10=-52/633, 4-8=-52/633, 5-8=-400/253

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=15ft, Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-10-8 to 2-1-8, Interior(1) 2-1-8 to 13-0-0, Exterior(2) 13-0-0 to 16-0-0, Interior(1) 16-0-0 to 26-10-8 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.
 - 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.

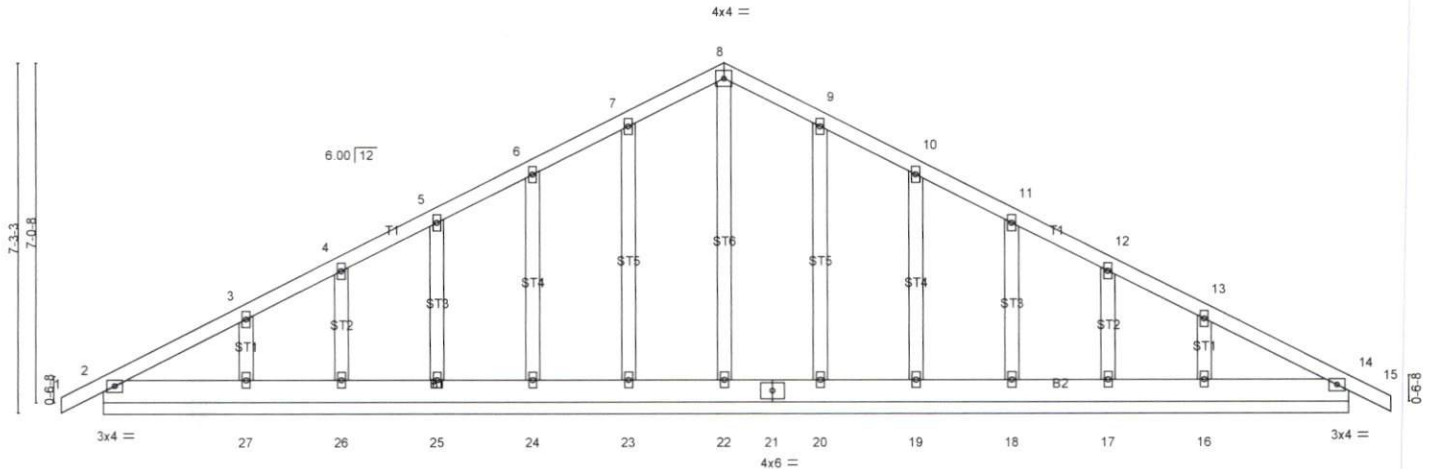
LOAD CASE(S) Standard

Job J1021-6261	Truss A1GE	Truss Type GABLE	Qty 1	Ply 1	Hampheys Residence
Comtech, Inc., Fayetteville, NC 28309					Job Reference (optional)

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Oct 27 10:08:05 2021 Page 1
ID:01d9wcqCW_OXetA_Tqxbe5yPG35-gP6FEMee1zPCmu0HEiZhEpOYa2WMrQ7GnXL4QgyPFYu

-0-10-8	13-0-0	26-0-0	26-10-8
0-10-8	13-0-0	13-0-0	0-10-8

Scale = 1.45.3



26-0-0
26-0-0

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.06	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.02	Vert(LL) 0.00 14 n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.09	Vert(CT) 0.00 14 n/r 120		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 14 n/a n/a		
	Code IRC2015/TPI2014				Weight: 166 lb FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x6 SP No.1
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins.
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 26-0-0.
(lb) - Max Horz 2=-140(LC 17)
Max Uplift All uplift 100 lb or less at joint(s) 2, 14, 23, 24, 25, 26, 20, 19, 18, 17 except 27=-109(LC 12), 16=-107(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 14, 22, 23, 24, 25, 26, 27, 20, 19, 18, 17, 16

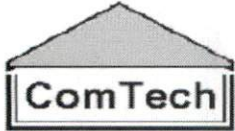
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 14, 23, 24, 25, 26, 20, 19, 18, 17 except (jt=lb) 27=109, 16=107.
- 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.

LOAD CASE(S) Standard

Job Estimate



**ROOF & FLOOR
TRUSSES & BEAMS**

Reilly Road Industrial Park P.O. Box 40408
Fayetteville, N.C. 28309 (910) 864-TRUS

REQ. QUOTE DATE	/ /	ORDER #	J1021-6261
ORDER DATE	10/27/21	QUOTE #	
DELIVERY DATE	/ /	CUSTOMER ACCT #	000138
DATE OF INVOICE	/ /	CUSTOMER PO #	
ORDERED BY	Joy Canady	INVOICE #	
SUPERINTENDANT	Joy Canady	SALES REP	Lenny Norris
JOBSITE PHONE #	(919) 819-1532		
DESIGNER	JL	TRACKING	David Landry

ORDER # QUOTE #	Cash--Lenny	JOB NAME: Hampheys Residence MODEL: Roof TAG: Custom DELIVERY INSTRUCTIONS:	LOT # - SUBDIV: - JOB CATEGORY: B & S - Build and Ship
	Harnett Co., NC	SPECIAL INSTRUCTIONS:	PLAN SEAL DATE:

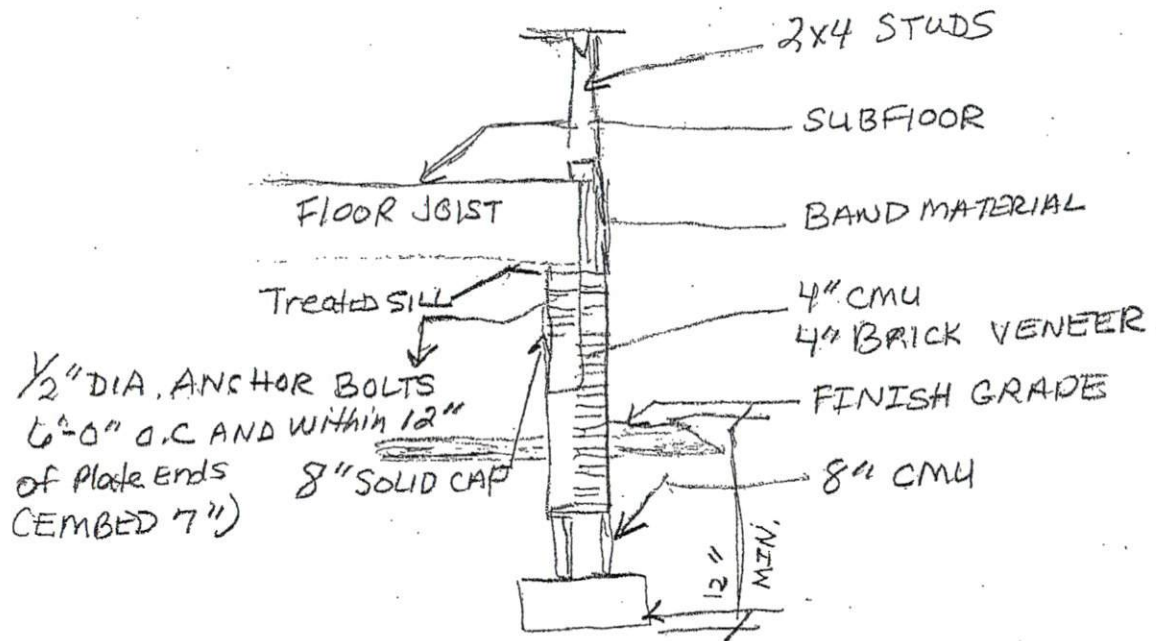
ROOF TRUSSES

PROFILE	QTY PLY	PITCH		ID	SPAN FT-IN-16	LUMBER		OVERHANG		CANTILEVER		NOTES
		TOP	BOT			TOP	BOT	LEFT	RIGHT	LEFT	RIGHT	
	5	6.00	0.00	A1	26-00-00	2 X 4	2 X 6	00-10-08	00-10-08			
	1	6.00	0.00	A1GE	26-00-00	2 X 4	2 X 6	00-10-08	00-10-08			
	1	Truss Drawings With B-1 and B-3 Bracing And Handling Instructions (Included in truss price)										

ROOF SUB-TOTAL: \$ 1,166.03

Please examine this quote, as we agree to furnish at the price herein specified only the articles named and described herein. Prices quoted are valid for jobs released for production within thirty days of date of estimate unless otherwise specified. Additional design time made necessary by incorrect foundation installation or plan changes may require additional charges. This estimate includes sealed engineering of individual truss drawings only. Any requirement for additional engineering services will be billed in quarter hour increments as costs are incurred.		SUB-TOTAL	\$1,166.03
ACCEPTED BY SELLER BY: _____ TITLE: _____ DATE OF ACCEPTANCE: _____		ACCEPTED BY BUYER PURCHASER: _____ BY: _____ TITLE: _____ ADDRESS: _____ PHONE: _____ DATE: _____	
		SALES TAX 7.00%	\$81.62
		GRAND TOTAL	\$1247.65

WARNING: As part of this proposal, we warn that trusses can be dangerous and cause property damage or personal injury if improperly installed and / or braced. Customer acceptance hereof shall constitute his affirmative representation to us that he is trained in the proper and safe methods of truss installation and bracing, and will use such methods. Customer acknowledges receipt of instructional pamphlet entitle: 'Bracing Wood Trusses: Commentary and recommendations', HIB-91, as published by the Truss Plate Institute, Inc., and also the engineering drawings showing the required lateral bracing. By his acceptance, Customer agrees, for himself, his agents and employees, to hold Comtech Inc. harmless from any and all actions for property damage, personal injury, or wrongful death resulting from improper installation and / or bracing during erection of the trusses comprehended hereby.



CRAWL SECTION