HARNETT COUNTY CENTRAL PERMITTING

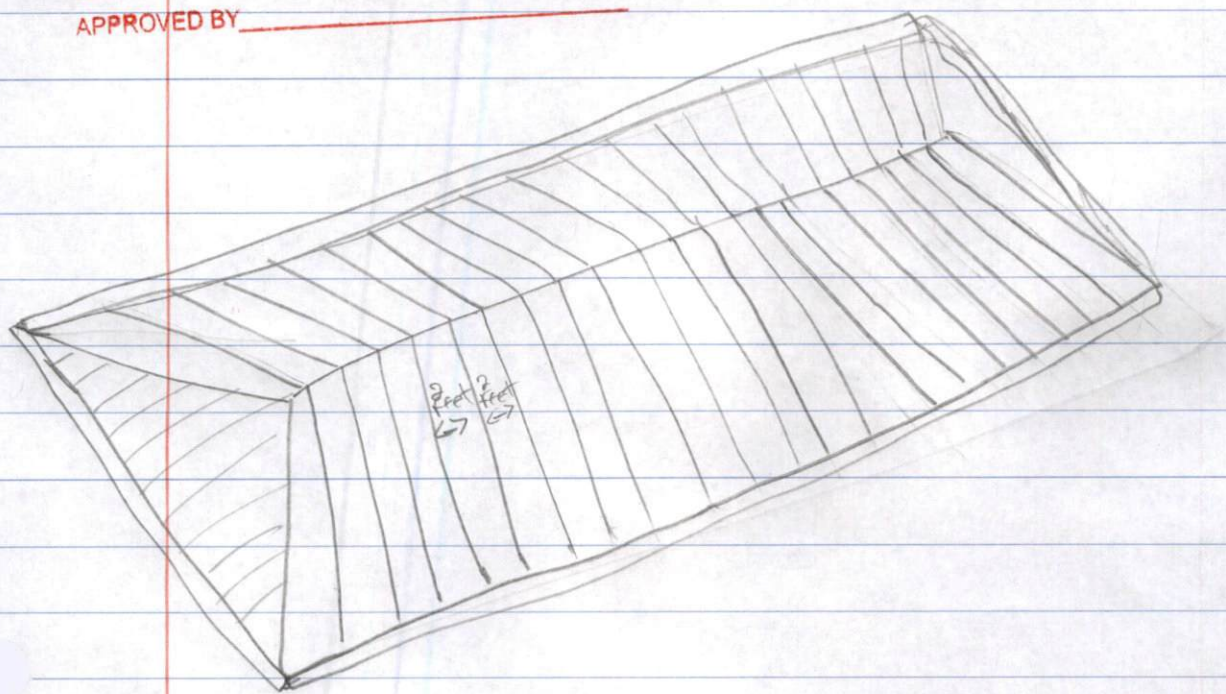
APPLICATION # BRES1906-0002

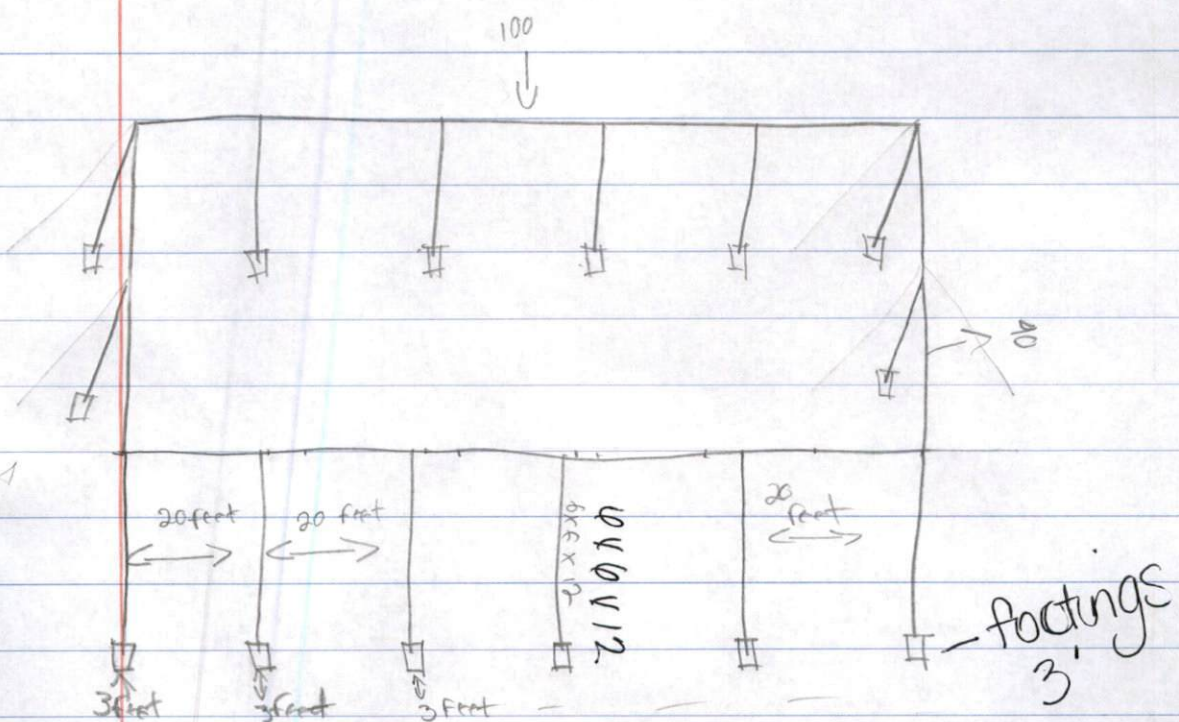
JOB NAME Maria Mendoza

DATE PLANS RECEIVED 8.1.19

SITE PLANS APPROVED

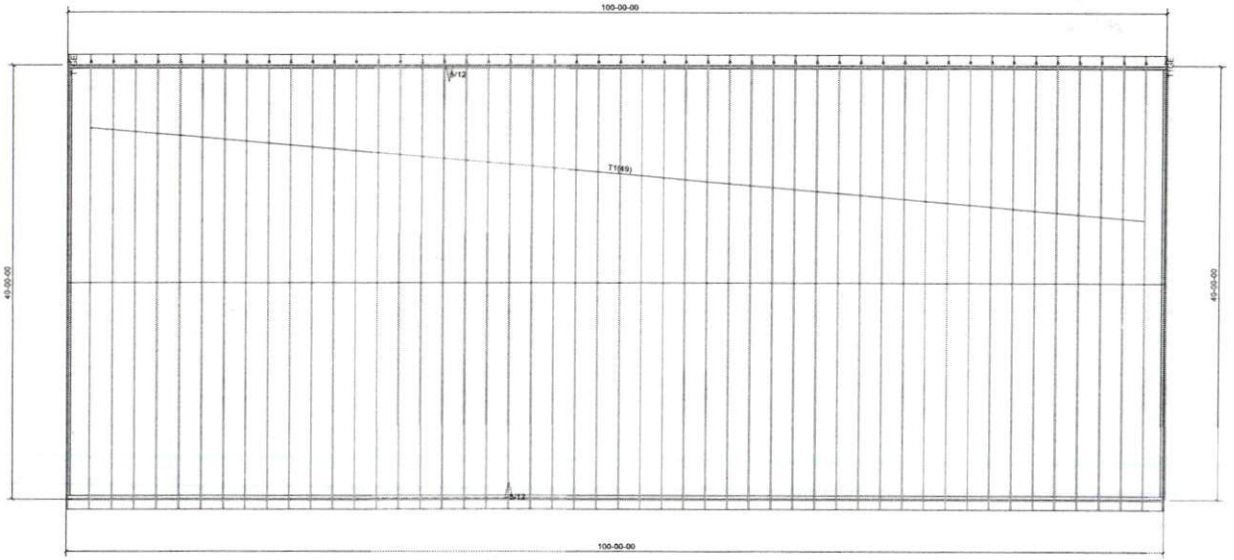
APPROVED BY





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



Tuba Job
Roof Trusses
2' OC, 1' OH

Roof Truss Loading per
2012 NC Residential Code

Top Chord Live Load	20# PSF
Top Chord Dead Load	10# PSF
Bottom Chord Live Load	0# PSF
Bottom Chord Dead Load	10# PSF

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

△ - This symbol denotes left end of truss as shown on truss drawings

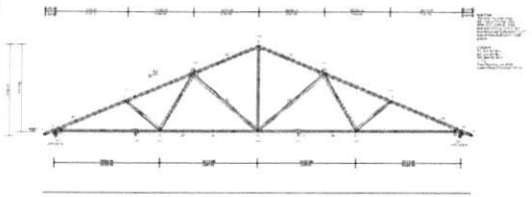
● - Approximate location of toilet drop. Builder please confirm.

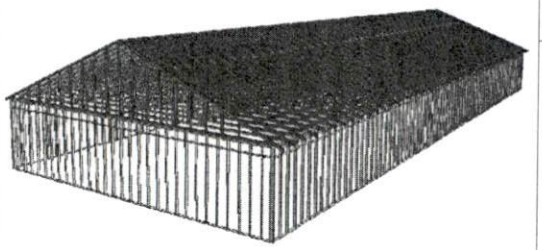
Truss connections by others:

(N)-Nailed

(L) -Ledger

Notes:
1. Exterior dimensions shown are assumed to be:
   ☐ Out-to-out of stud
   ☒ Out-to-out of sheathing
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





Job # Q-1900535

Tuba
Angier NC
27501

Date Quoted:

Designer: **Torrance Hamilton**

Value Customer

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

Job	Truss	Truss Type	Qty	Ply	Tuba-Tuba
Q-1900535-1	T1	Common	49	1	Job Reference (optional)

Peak Truss Builders LLC, New Hill, user

Run: 8.23 S Nov 4 2018 Print: 8.230 S Nov 4 2018 MiTek Industries, Inc. Mon Mar 18 11:23:26 Page: 1

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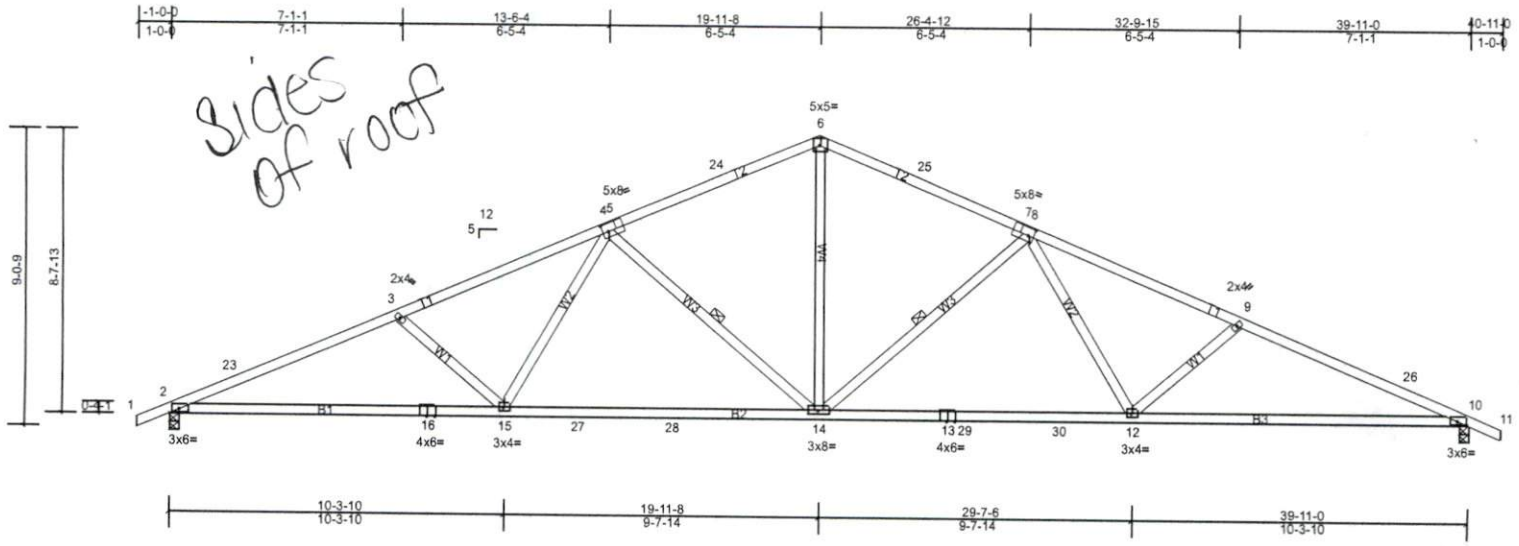


Scale = 1:70.8

Plate Offsets (X, Y): [5:0-2-0,0-3-0], [7:0-2-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.65	Vert(LL)	-0.29	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.84	Vert(CT)	-0.58	14-15	>831	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.16	10	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 195 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1
WEBS	2x4 SP No.3

REACTIONS (lb/size) 2=1657/0-3-8, (min. 0-2-10), 10=1657/0-3-8, (min. 0-2-10)
Max Horiz 2=126 (LC 10)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 2-6-11 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 8-14, 4-14

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

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

TOP CHORD 2-23=-3472/52, 3-23=-3430/78, 3-4=-3146/65, 4-5=-2177/85, 5-24=-2172/101, 6-24=-2097/115, 6-25=-2097/115, 7-25=-2172/101, 7-8=-2177/85, 8-9=-3146/65, 9-26=-3430/78, 10-26=-3472/52

BOT CHORD 2-16=0/3166, 15-16=0/3166, 15-27=0/2544, 27-28=0/2544, 14-28=0/2544, 13-14=0/2544, 13-29=0/2544, 29-30=0/2544, 12-30=0/2544, 10-12=-3/3166

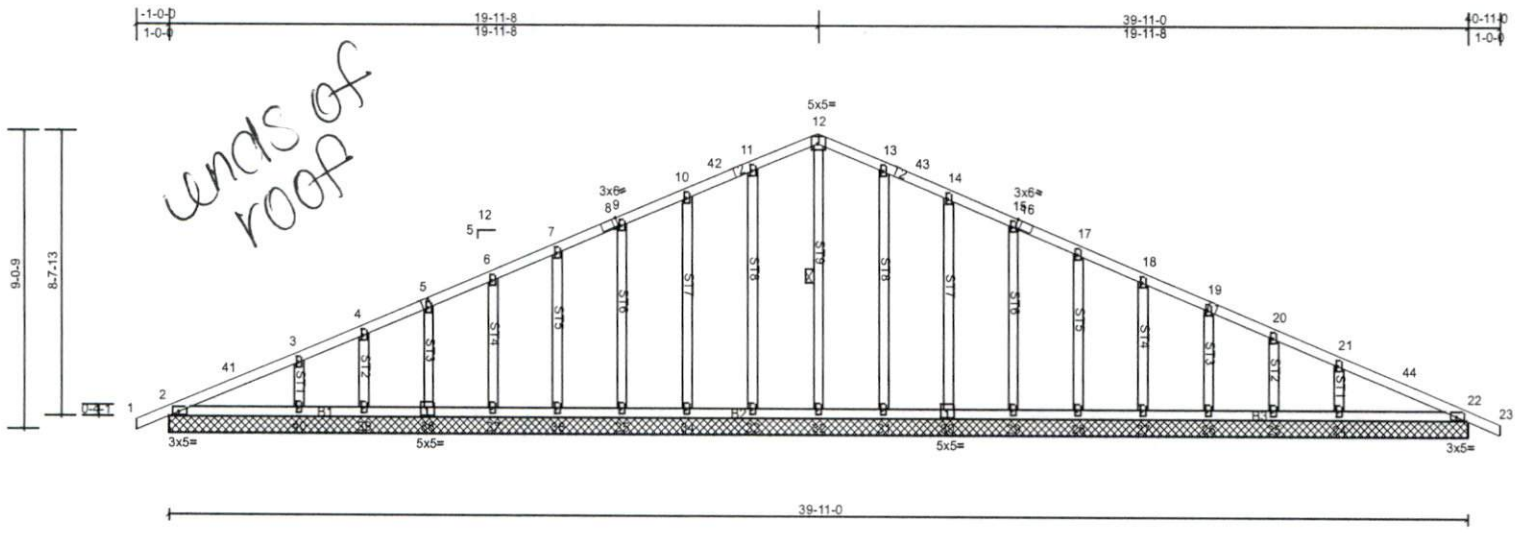
WEBS 6-14=0/1256, 8-14=-822/80, 8-12=0/627, 9-12=-444/98, 4-14=-822/80, 4-15=0/627, 3-15=-444/98

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=0ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-0-0 to 2-0-0, Interior (1) 2-0-0 to 19-11-8, Exterior (2) 19-11-8 to 22-11-8, Interior (1) 22-11-8 to 40-11-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Tuba-Tuba
Q-1900535-1	T1GE	Common Supported Gable	2	1	Job Reference (optional)



Scale = 1:70.8

Plate Offsets (X, Y): [8:0-1-10,Edge], [16:0-1-10,Edge], [30:0-2-8,0-3-0], [38:0-2-8,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.00	22	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-S							Weight: 243 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 12-32

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

REACTIONS All bearings 39-11-0.
(lb) - Max Horiz 2=-126 (LC 9)
Max Grav All reactions 250 (lb) or less at joint(s) 2, 22, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39 except 24=307 (LC 21), 40=307 (LC 20)

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

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=0ft; B=45ft; L=40ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) -1-0-0 to 2-0-0, Exterior (2) 2-0-0 to 19-11-8, Corner (3) 19-11-8 to 22-11-8, Exterior (2) 22-11-8 to 40-11-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard