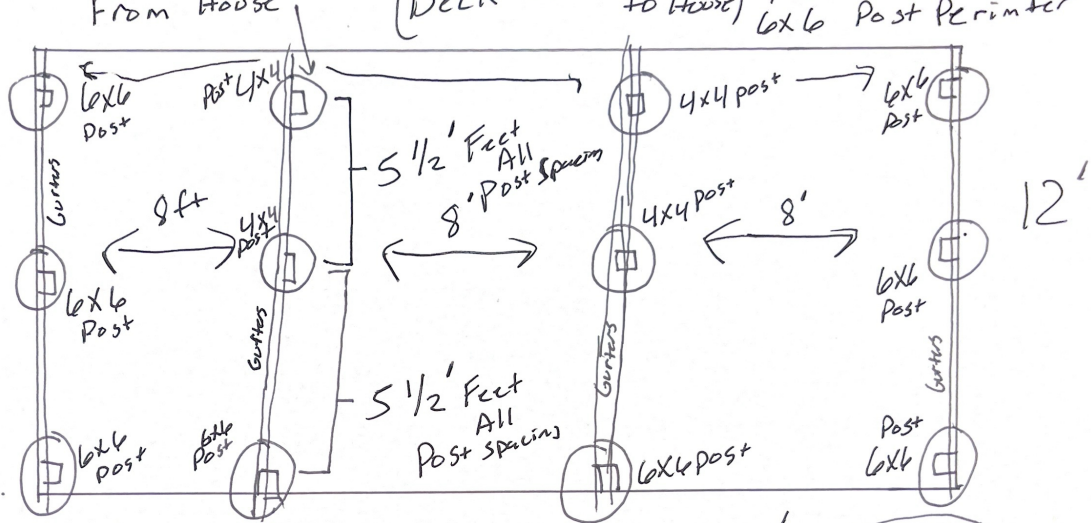


Middle Footers
will Be 12" in
From House

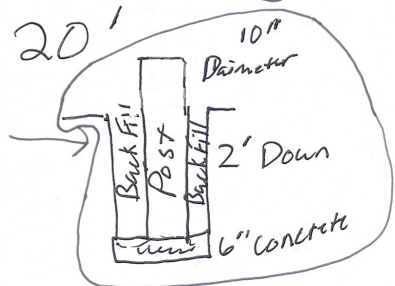
Decking Footers
(Deck Not Attached
to House)

2x10 Girders Notched in
2x10 Joist +
4x4 Post in middle
6x6 Post Perimeter



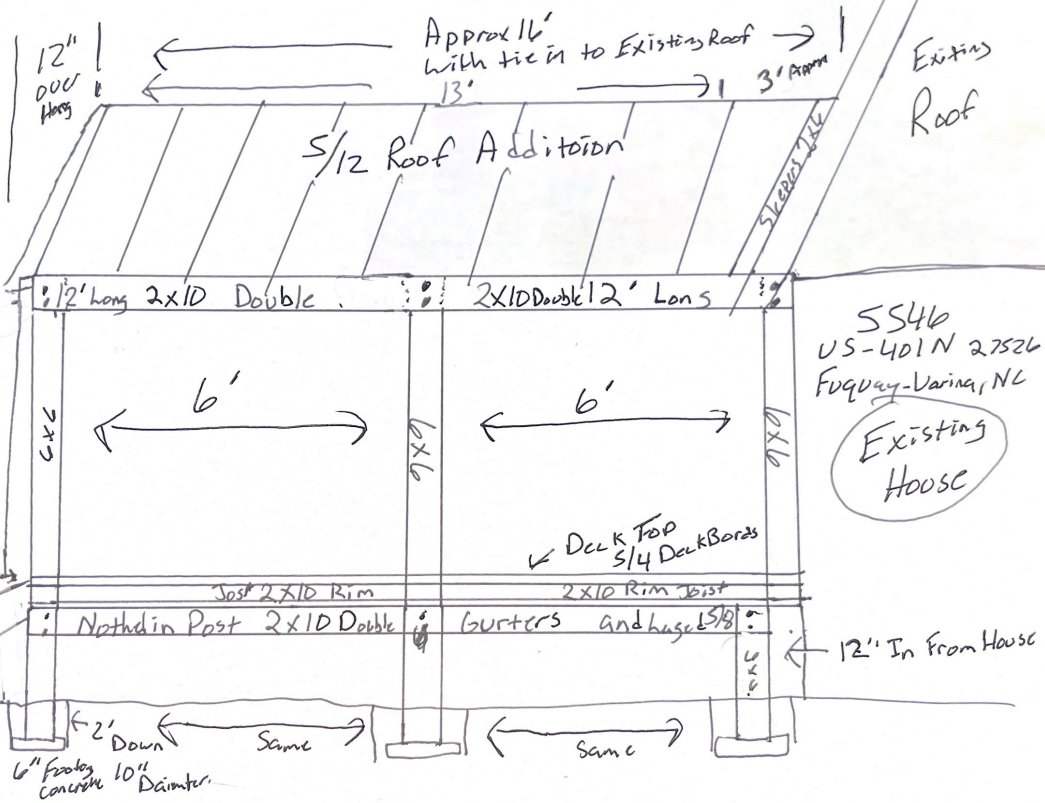
SS 46
US-401 N
Fuquay Varina, NC
27526

10" Diameter Holes
2' Down in Ground
6" Concrete



Side view

(Deck and Roof)
A



26' wide A Frame Roof

24

Front View

New 12x24 Deck and A Roof
Porch add on
Tied in to the Existing
Roof Plane

Existing
Roof

2x6
Sloppers

← 5/12 Pitch
New Addition
Sloppers, 2x6
Prest Truss

Existing Roof

5546 US-401N
Fuquay-Varina, NC
27526

2x10 Double 24'

Existing
House

2x10
Double
Beam Rest
Notched
Out Post
with
lag
Screws
X2
Both
Sides

Same as left side
Description

Existing House

← 5/4 Deck Boards
Carriage 5/8
X4 Bolted with washers
Nuts

3' Off Ground Height Highest

Back Fill
2' Deep
10" Hole
2' Deep
10" Hole
6" concrete
1' Deep
10" Hole
Diameter

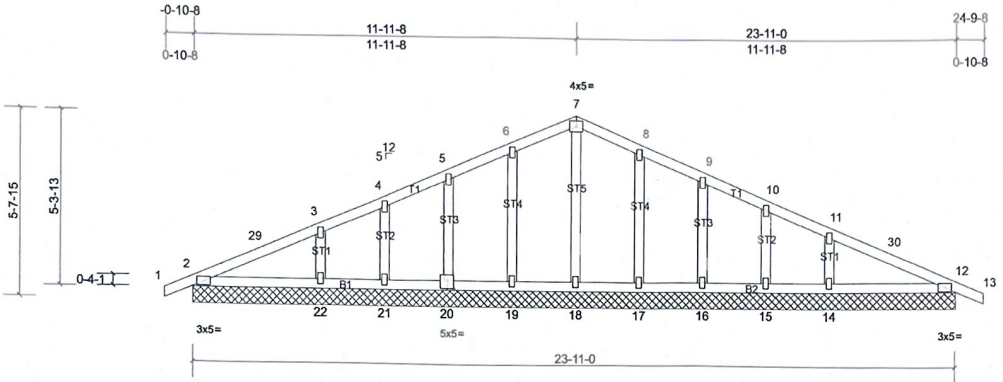
Job Q-2501020-1	Truss T1GE	Truss Type Common Supported Gable	Qty 1	Ply 1	D Williams Addition-D Williams Addition
Job Reference (optional)					

Peak Truss Builders LLC, New Hill, user

Run: 8.72 S Apr 24 2024 Print: 8.720 S Apr 24 2024 Mitek Industries, Inc. Wed May 07 09:30:32

Page: 1

ID:RtpMyZ2SWYnXVjultKVy7_zly0R-YzLrANz7vwD6wKdcnAabx1p_Fdymrx2mVBluzlw5



Scale = 1:46.4

Plate Offsets (X, Y): [20-0-2-8,0-3-0]

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	0.11	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code	IRC2021/TP1014	Matrix-MS							Weight: 116 lb	FT = 20%

LUMBER

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

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 23-11-0.
(lb) - Max Horiz 2=62 (LC 10), 23=62 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 12, 14, 15, 16, 17, 19, 20, 21, 22, 23, 26
Max Grav All reactions 250 (lb) or less at joint(s) 2, 12, 15, 16, 17, 18, 19, 20, 21, 23, 26 except 14=311 (LC 23), 22=311 (LC 22)

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

FORCES

NOTES

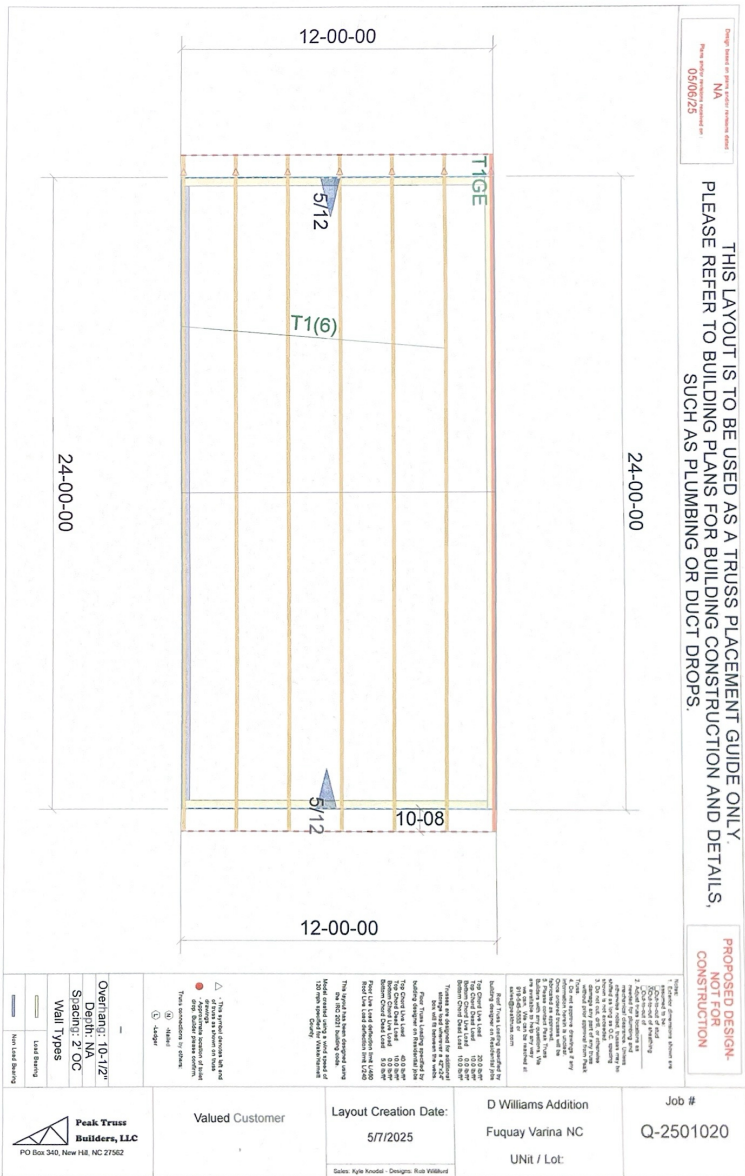
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCCL=6.0psf, BCDL=6.0psf, h=30ft; B=20ft; L=24ft, eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner(3E) -0-10-8 to 2-1-8, Exterior(2N) 2-1-8 to 11-11-8, Corner(3R) 11-11-8 to 14-11-8, Exterior(2N) 14-11-8 to 24-9-8 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
- 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 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 19, 20, 21, 22, 17, 16, 15, 14, 12, 2, 12.

LOAD CASE(S) Standard

Design: Interior or exterior or interior detail
 NA
 Project number: 0306025

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

PROPOSED DESIGN
 NOT FOR
 CONSTRUCTION



Overhang: 10'-1/2"
 Depth: NA
 Siding: Z OC
 Wall Types

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

Valued Customer

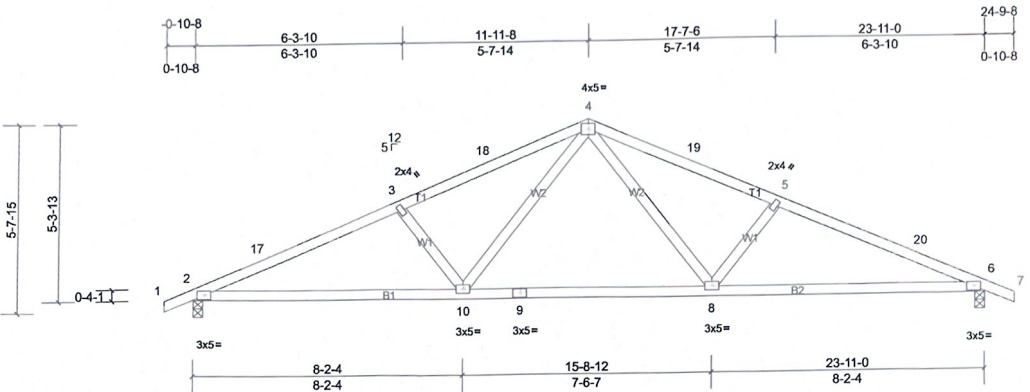
Layout Creation Date:
 5/7/2025

Scale: 1/8" = 1'-0" Designer: Russ Willard

D Williams Addition
 Fuquay Varina NC
 UNIT / Lot:

Job #
 Q-2501020

Job Q-2501020-1	Truss T1	Truss Type Common	Qty 6	Ply 1	D Williams Addition-D Williams Addition Job Reference (optional)
Peak Truss Builders LLC, New Hill, user			Run: 8:22 S Apr 24 2024 Print: 8:22 S Apr 24 2024 MiTek Industries, Inc. Wed May 07 09:30:32		
			ID: YZW7_ZbdTfWyl_cMq2bzzy11-YzLrANz7vkwD0wKdcnAabxzt_8Dyjh2mVBuuzixw5		



Scale = 1/4" = 1'-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	0.36	Vert(LL)	-0.08	8-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.50	Vert(CT)	-0.21	8-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.05	6	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS								
											Weight: 104 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=1009/0-3-8, (min. 0-1-9), 6=1009/0-3-8, (min. 0-1-9)
Max Horiz 2=-62 (LC 9)
Max Uplift 2=-148 (LC 11), 6=-148 (LC 11)

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

TOP CHORD 2-17=-1915/248, 3-17=-1880/272, 3-18=-1704/244, 4-18=-1629/258, 4-19=-1629/258, 5-19=-1704/244, 5-20=-1880/272,
6-20=-1915/248

BOT CHORD 2-10=-175/1735, 9-10=-50/1146, 8-9=-50/1146, 6-8=-175/1735

WEBS 4-8=-47/609, 5-8=-394/160, 4-10=-47/609, 3-10=-394/160

NOTES

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-10-8 to 2-1-8, Interior (1) 2-1-8 to 11-11-8, Exterior(2R) 11-11-8 to 14-11-8, Interior (1) 14-11-8 to 24-9-8 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.

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 148 lb uplift at joint 2 and 148 lb uplift at joint 6.

LOAD CASE(S) Standard

BRACING

TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 4-2-3 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.