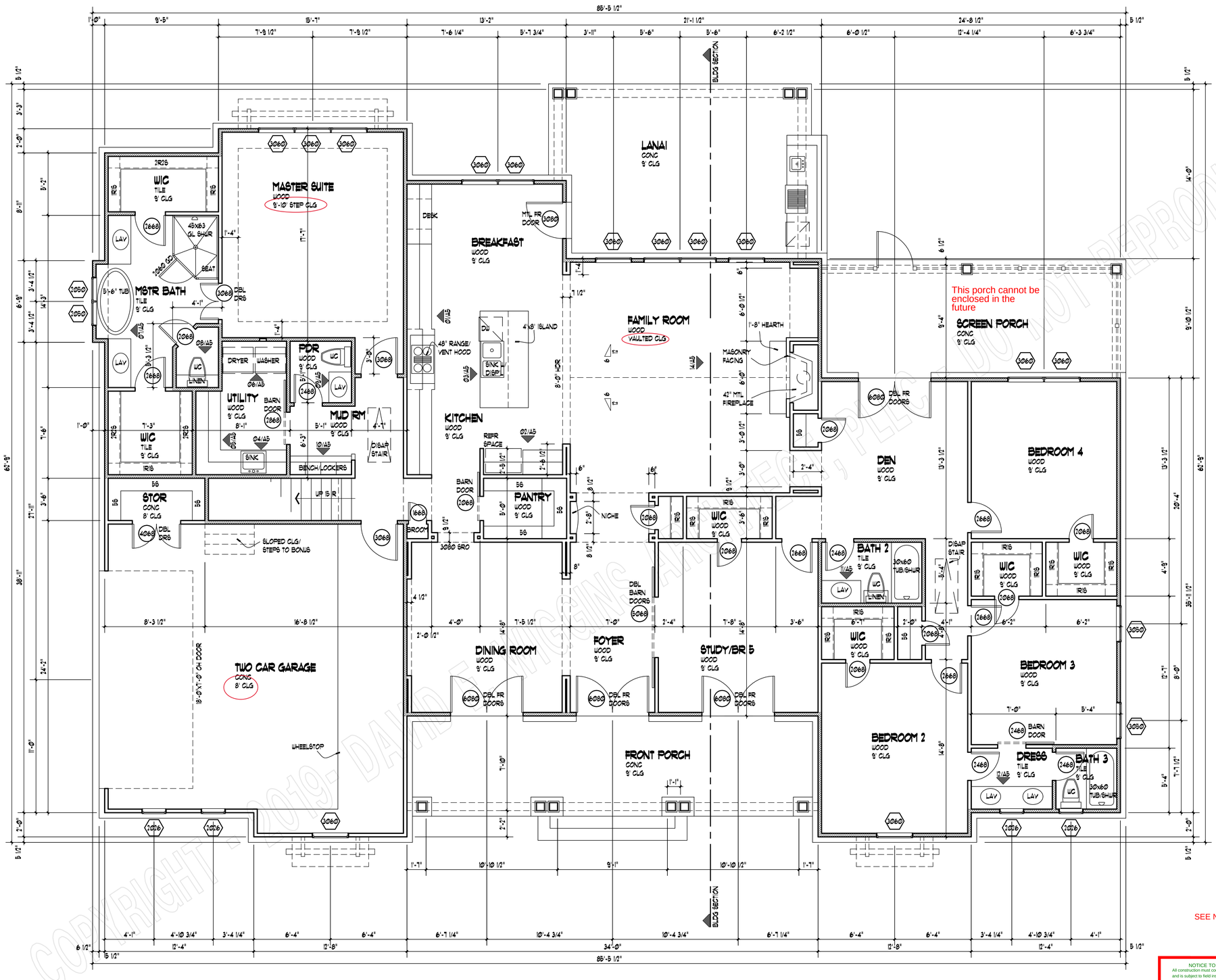


FIRST FLOOR PLAN

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

AREAS:

FIRST FLOOR =	3077 SF
BONUS =	360 SF
GARAGE =	649 SF
FRONT PORCH =	266 SF
LANAI =	285 SF
SCREEN PORCH =	231 SF
TOTAL COVERED AREA =	4868 SF

WALL TYPES

- 2x4'S @ 16" O.C.
- 2x4'S @ 16" O.C. W/ 3 1/2" BATT INSUL.
- 2x6'S @ 16" O.C. W/ 5 1/2" BATT INSUL.
- 2x4'S @ 16" O.C. W/ 5/8" GYP. BD. EACH SIDE
- 2x6'S @ 16" O.C.- BALLOON FRAME
- 2x6'S @ 16" O.C. W/ BRICK VENEER

SEE NOTES ON PLANS

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

06/16/2021

Harnett COUNTY NORTH CAROLINA

houseplans by davidwiggins architect
PO Box 256 - Magnolia, Texas - 77353 - (832) 521-5820

CREEKVIEW COURT

PLAN 3077

PROJECT:

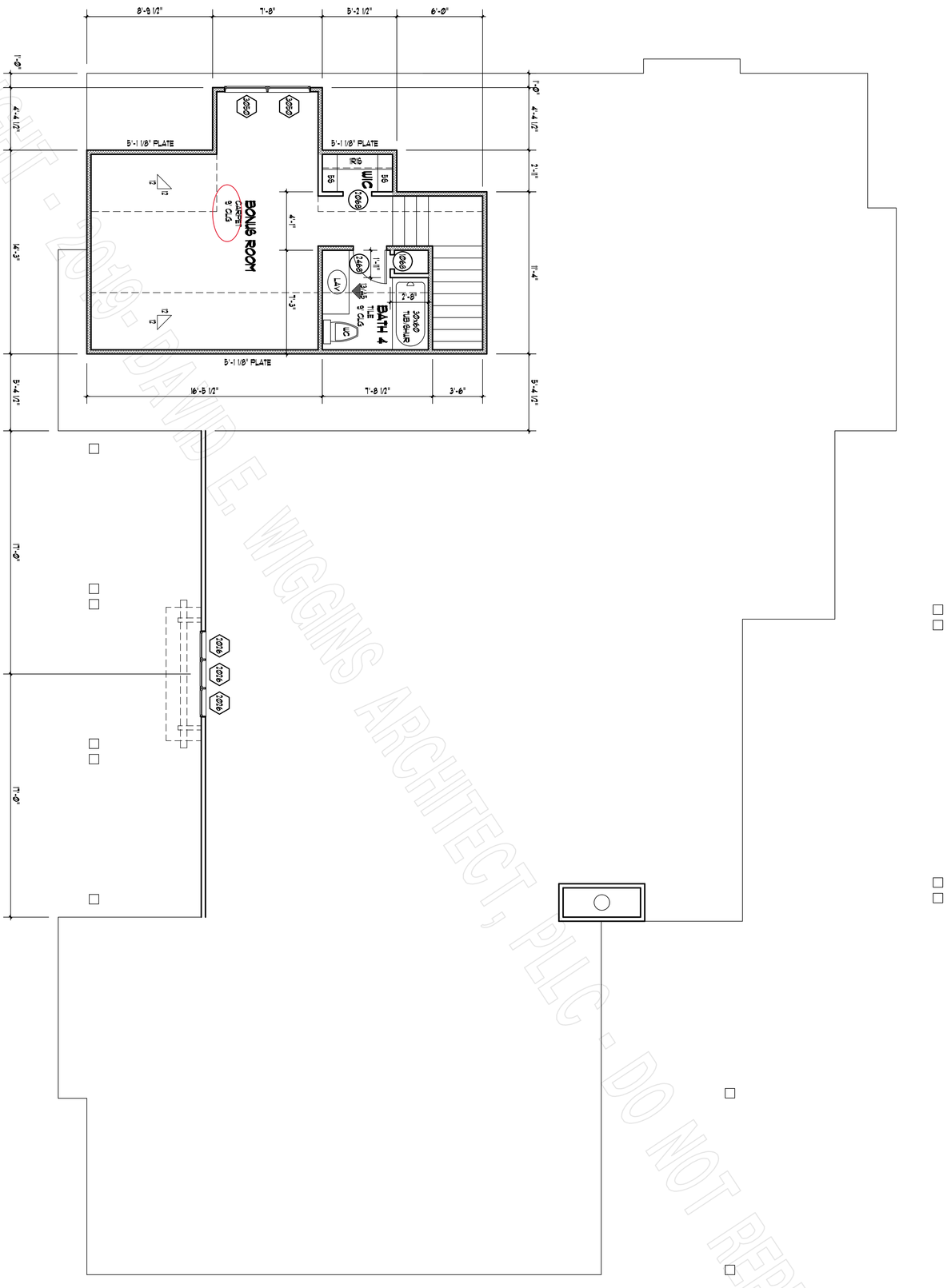
REVISIONS:

DATE:

MAY 5, 2020

A1

OF A8



SECOND FLOOR PLAN

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

A2

OF 18

DATE: MAY 5, 2020

REVISIONS

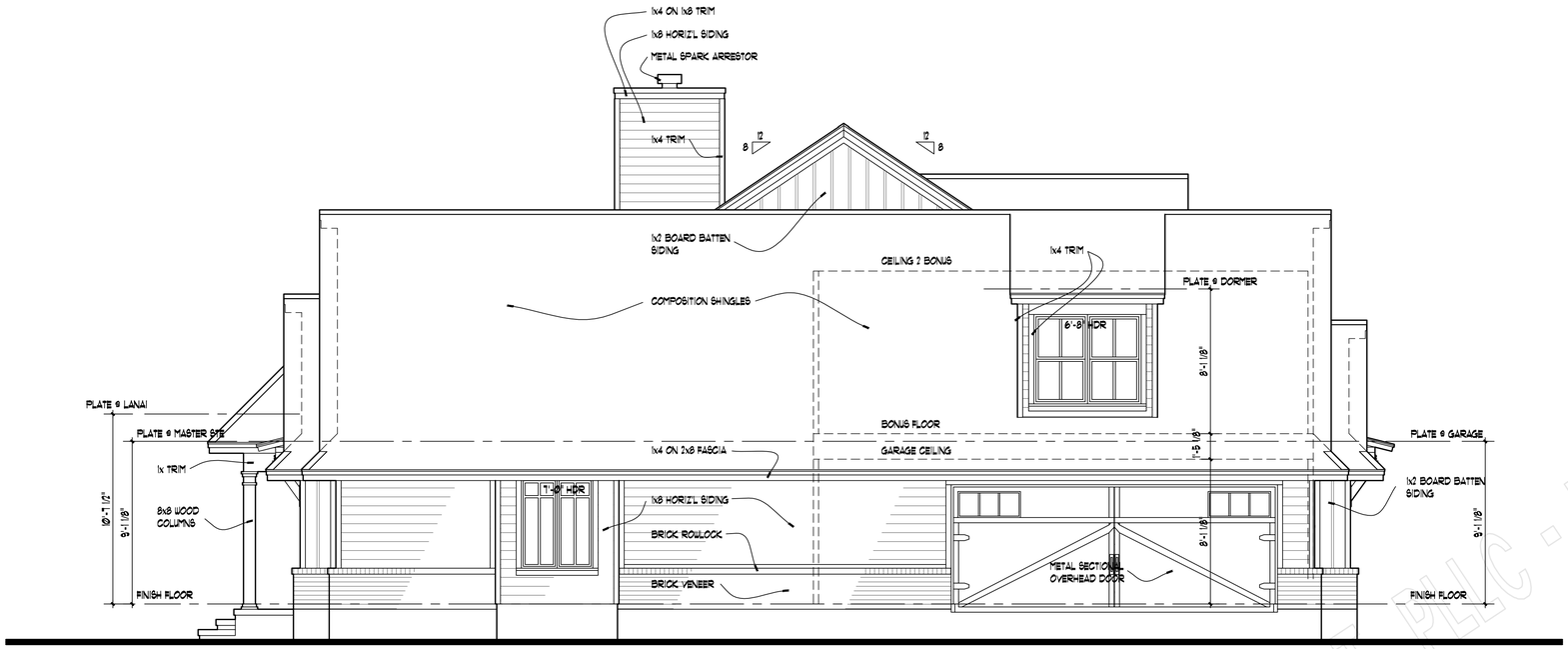
PROJECT:

CREEKVIEW COURT

PLAN 3077

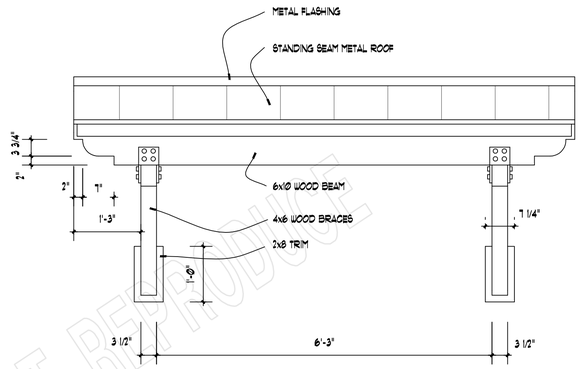
houseplansby davidwigginsarchitect

PO Box 256 - Magnolia, Texas - 77353 - (832) 521-5820



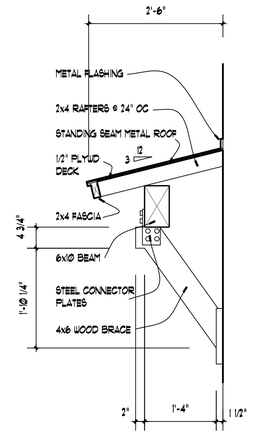
LEFT ELEVATION

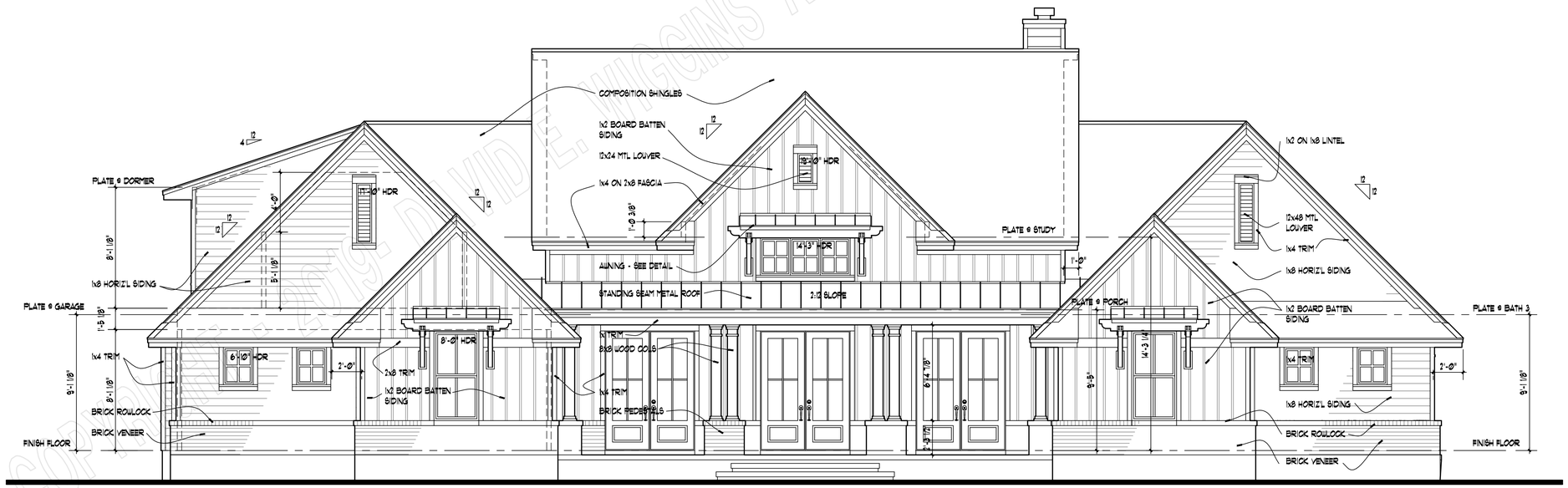
SCALE: 1/4" = 1'-0"



Ø1 / A3 **AWNING DETAIL**

3/4" = 1'-0"





FRONT ELEVATION

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

houseplans by davidwigginsarchitect
PO Box 256 - Magnolia, Texas - 77353 - (832) 521-5820

CREEKVIEW COURT

PLAN 3077

PROJECT:

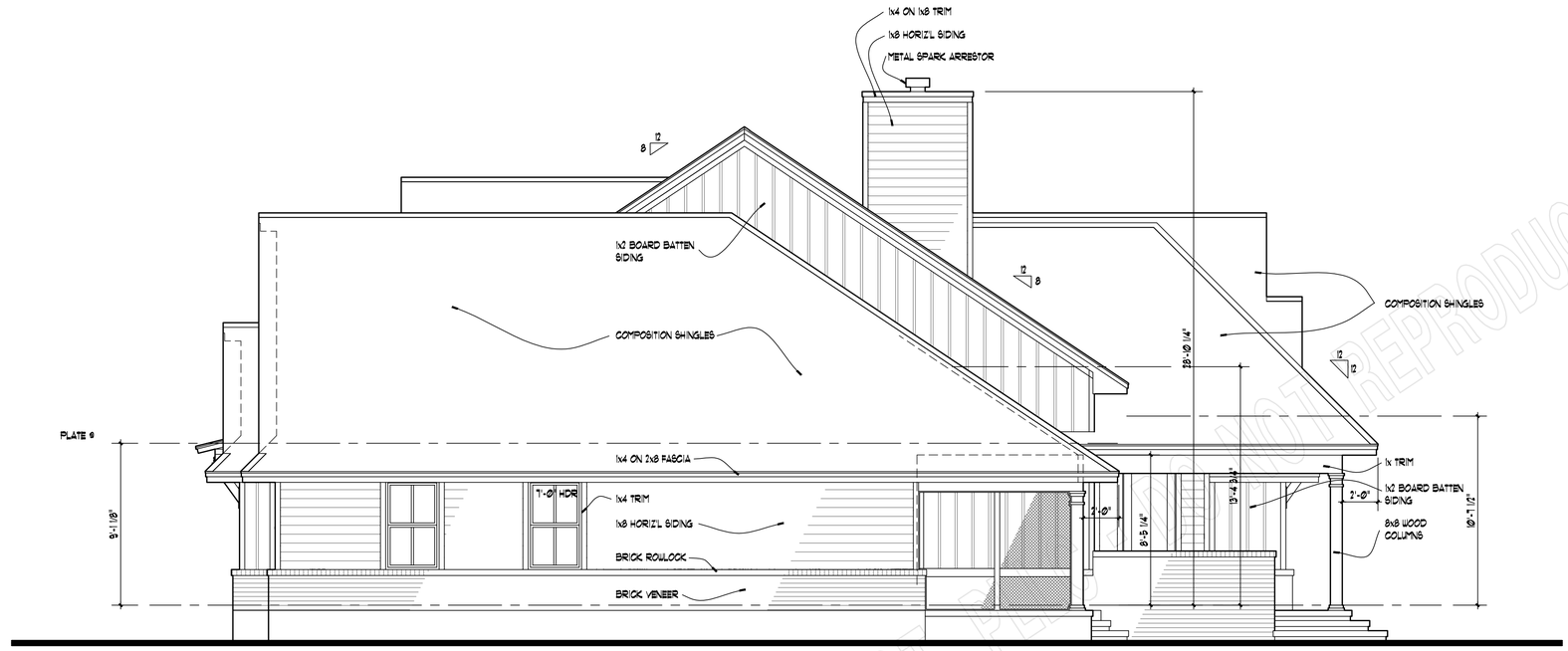
REVISIONS:

DATE:

MAY 5, 2020

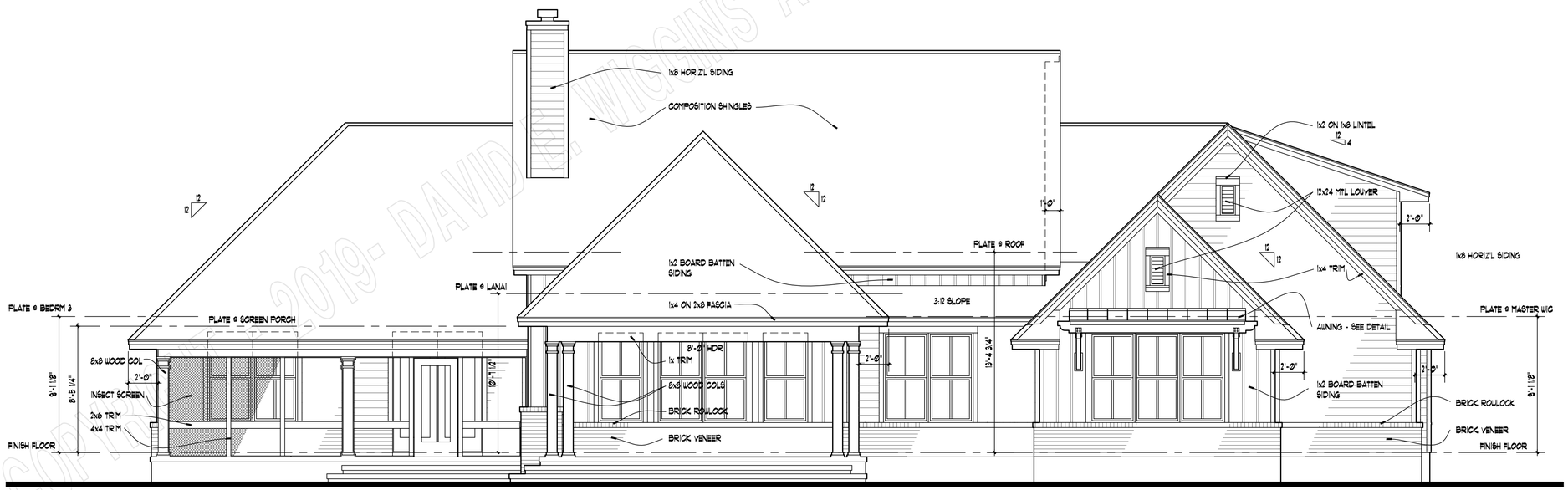
A3

OF A8



RIGHT ELEVATION

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



REAR ELEVATION

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

houseplans by davidwiggins architect
PO Box 256 - Magnolia, Texas - 77353 - (832) 521-5820

CREEKVIEW COURT

PLAN 3077

PROJECT:

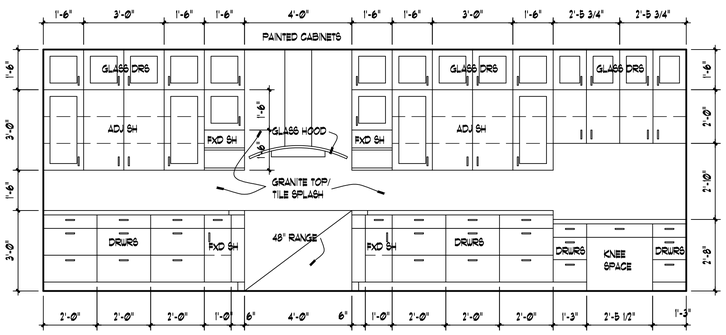
REVISIONS:

DATE:

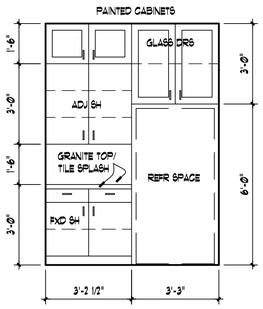
MAY 5, 2020

A4

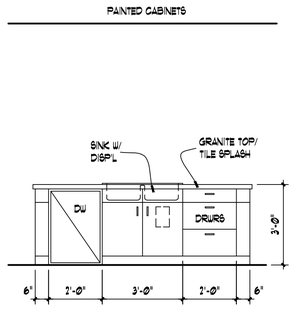
OF A8



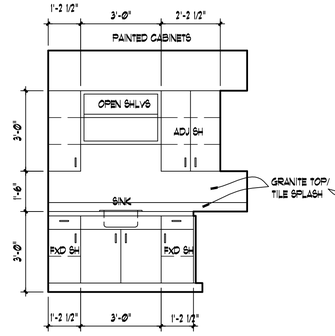
01 / A5 **KITCHEN**
3/8" = 1'-0"



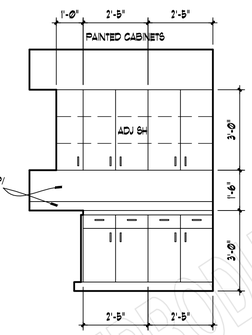
02 / A5 **KITCHEN**
3/8" = 1'-0"



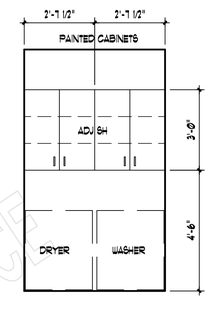
03 / A5 **KITCHEN**
3/8" = 1'-0"



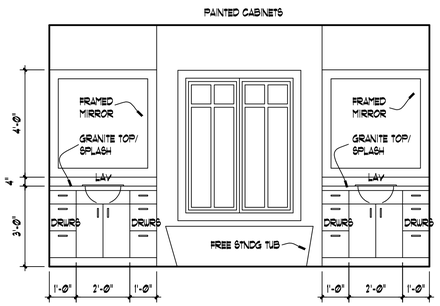
04 / A5 **UTILITY**
3/8" = 1'-0"



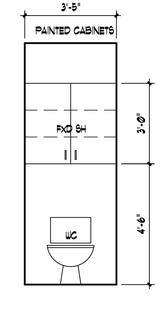
05 / A5 **UTILITY**
3/8" = 1'-0"



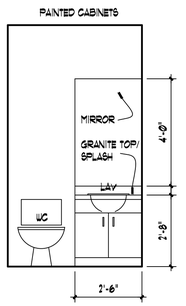
06 / A5 **UTILITY**
3/8" = 1'-0"



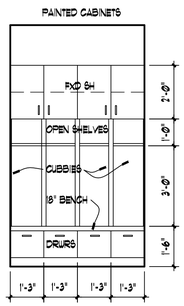
07 / A5 **MASTER BATH**
3/8" = 1'-0"



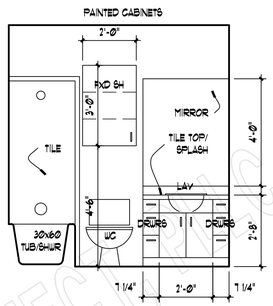
08 / A5 **MASTER BATH**
3/8" = 1'-0"



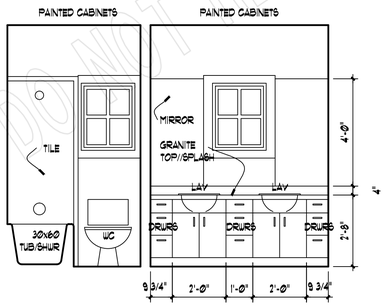
09 / A5 **POWDER**
3/8" = 1'-0"



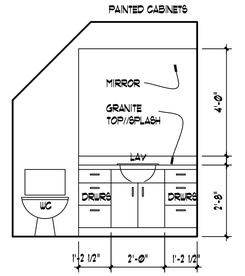
10 / A5 **MUD RM**
3/8" = 1'-0"



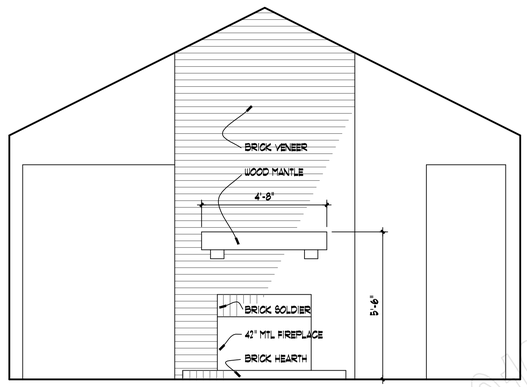
11 / A5 **BATH 2**
3/8" = 1'-0"



12 / A5 **BATH 3/DRESS**
3/8" = 1'-0"

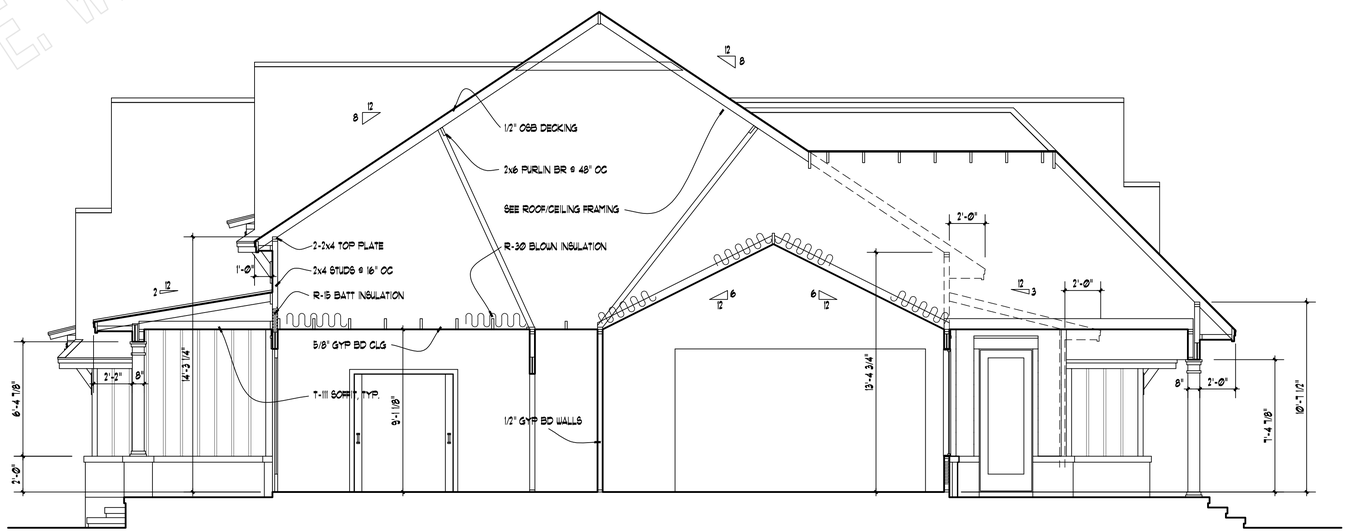


13 / A5 **BATH 4**
3/8" = 1'-0"



14 / A5 **FAMILY**
3/8" = 1'-0"

CABINET ELEVATIONS
SCALE: 3/8" = 1'-0"



BUILDING SECTION
SCALE: 1/4" = 1'-0"

houseplans by davidwiggins architect
PO Box 256 - Magnolia, Texas - 77353 - (832) 521-5820

CREEKVIEW COURT
PLAN 3077

PROJECT:

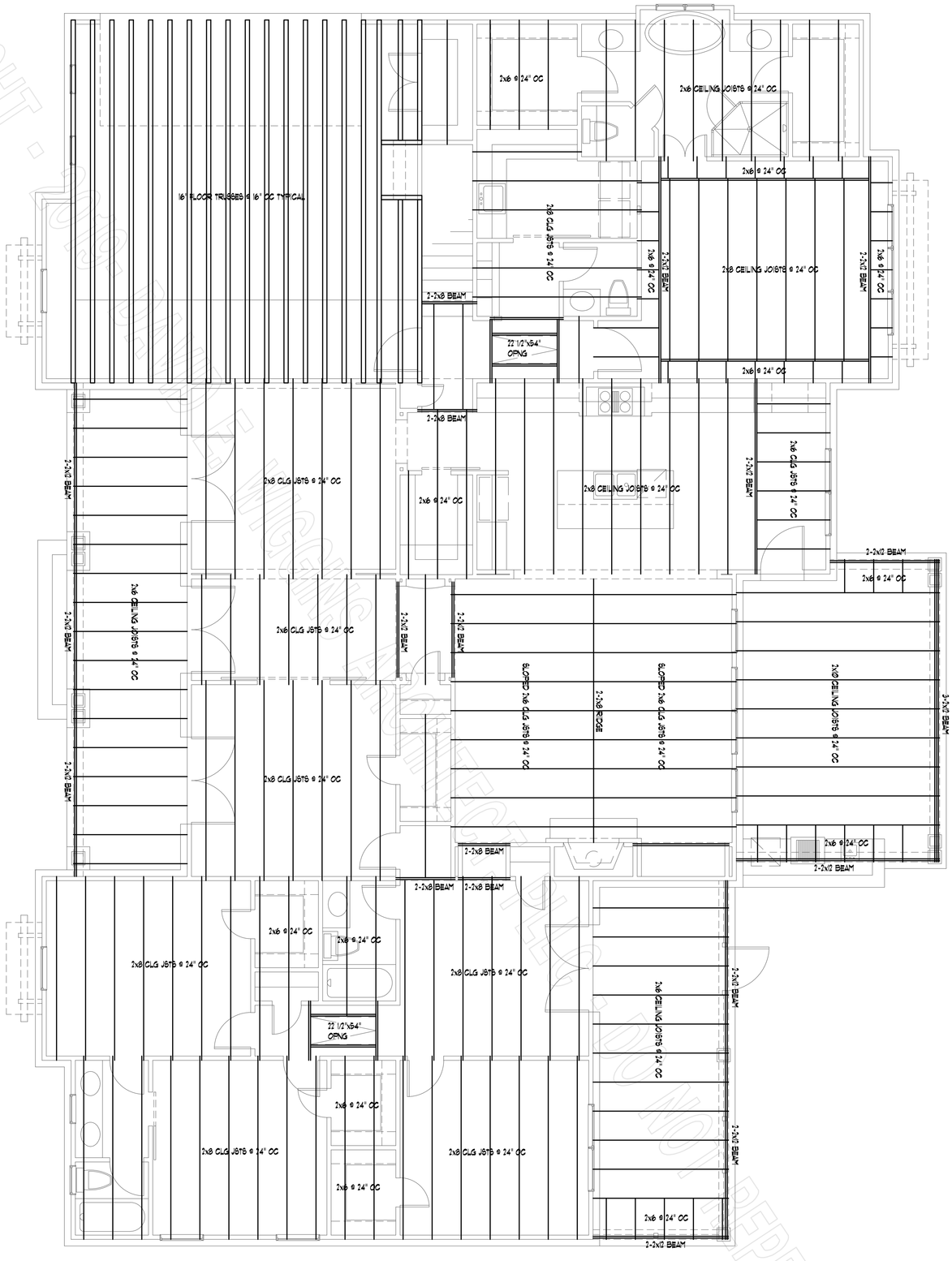
REVISIONS:

DATE:
MAY 5, 2020

A5
OF A8

SECOND FLOOR FRAMING PLAN

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



HEADER SCHEDULE

ALL LUMBER NOTATED SHALL BE #1 DFPCO SYP, FIR OR SPRUCE	FIRST FLOOR	
	OPNG SIZE	2-2X6'S
	1-3/	2-2X10'S
	4'-UP	
	SECOND FLOOR	
	OPNG SIZE	
	1-3/	2-2x6's
	4-	2-2X8'S
	5'-	2-2X10'S
	6'-UP	2-2X12'S

A6
OF 18

DATE: MAY 5, 2020

REVISIONS:

PROJECT:

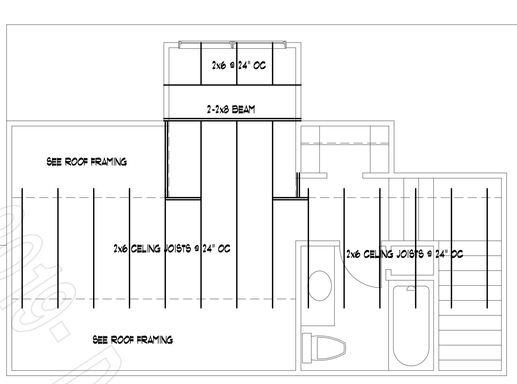
CREEKVIEW COURT

PLAN 3077

houseplansby davidwiggins architect
PO Box 256 - Magnolia, Texas - 77353 - (832) 521-5820

CEILING FRAMING PLAN

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



A7
OF 18

DATE:
MAY 5, 2020

REVISIONS:

PROJECT:

CREEKVIEW COURT

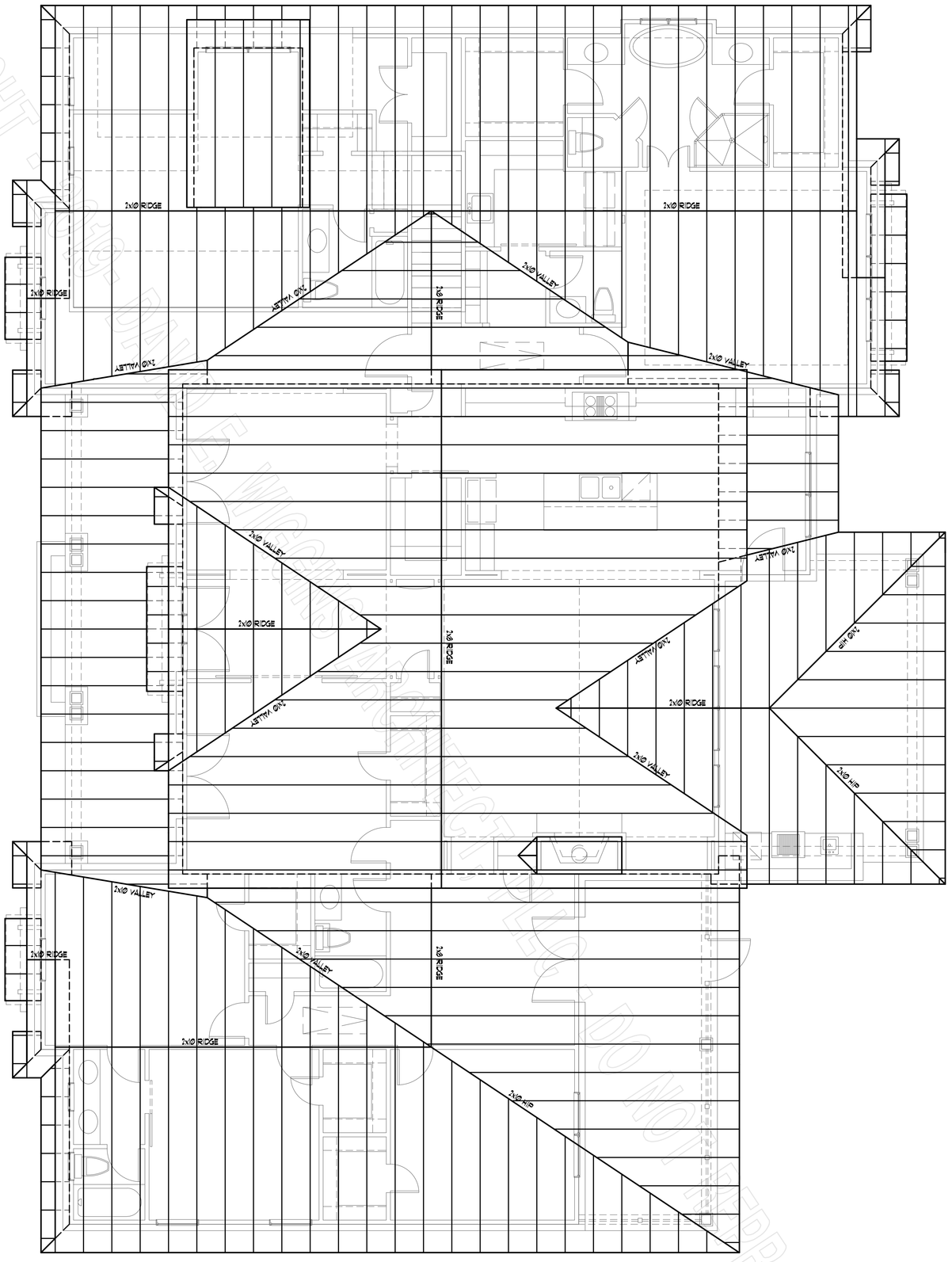
PLAN 3077

houseplansby davidwigginsarchitect

PO Box 256 - Magnolia, Texas - 77353 - (832) 521-5820

ROOF FRAMING PLAN

SCALE 1/4" = 1'-0"



FRAMING NOTES:

1. ALL MEMBERS SHALL BE NO. 2 GRADE SYP OR SPF UNLESS OTHERWISE NOTED.
2. ALL FASCIAS ARE 1X8 GROOVED SYP OR BETTER.
3. ALL RAFTERS ARE 2X6 @ 24" O.C.
4. BRACE ALL INTERSECTIONS OF RIDGE, HIP OR VALLEYS DOWN TO LOAD BEARING WALLS.
5. ALL TRUSSES SHALL BE DESIGNED BY A LOCAL ENGINEER PREFERABLY A TRUSS MANUFACTURER

A8
OF 48

DATE: MAY 5, 2020

REVISIONS:

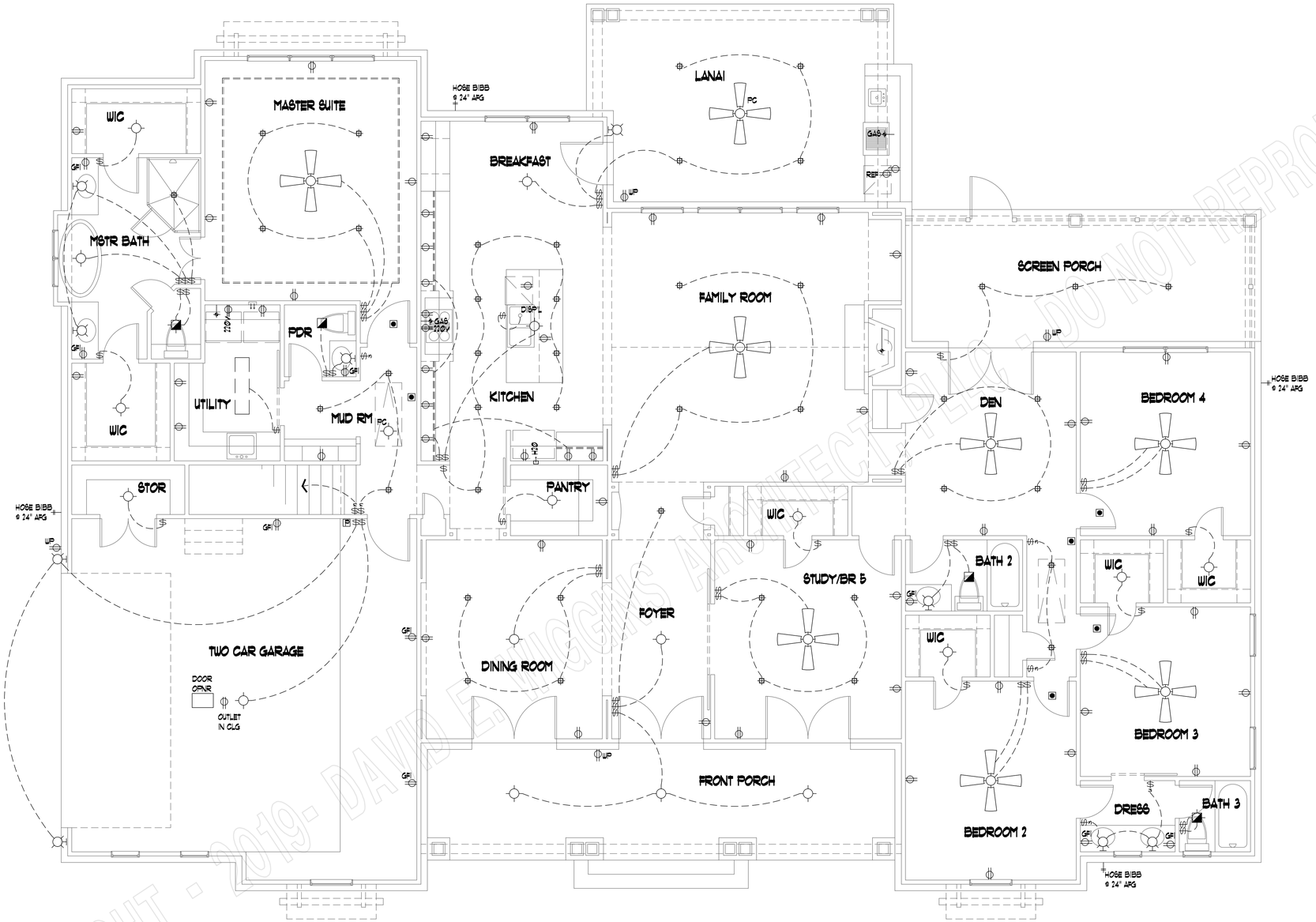
PROJECT:

CREEKVIEW COURT

PLAN 3077

houseplansby davidwigginsarchitect

PO Box 256 - Magnolia, Texas - 77353 - (832) 521-5820



LEGEND

- 110v. FLOOR OUTLET
- 110v. DUPLEX OUTLET
- WP WATERPROOF OUTLET
- GFI GROUND FAULT INSULATED
- 220 220v. OUTLET
- 2 WAY SWITCH
- 3 WAY SWITCH
- 4 WAY SWITCH
- DIMMER SWITCH
- GENERAL PURPOSE LTG.
- WALL BRACKET LTG.
- RECESSED CAN LTG.
- RECESSED EYEBALL LTG.
- FLOURESCENT LTG.
- DOUBLE FLOOD LTG.
- FLOURESCENT TUBE
- SMOKE DETECTOR
- GAS CONNECTION
- HOSE BIBB
- CEILING FAN
- EXHAUST FAN
- EXHAUST FAN/LIGHT
- CHIMES
- JUNCTION BOX
- PHONE JACK
- HEATER
- A/C DISCONNECT
- ICE MAKER CONNECTION
- WASHER CONNECTIONS
- CABLE TV
- THERMOSTAT
- PUSH BUTTON
- MINI RECESSED CAN LTG.

FIRST FLOOR ELECTRICAL PLAN

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

houseplans by davidwiggins architect
PO Box 256 - Magnolia, Texas - 77353 - (832) 521-5820

CREEKVIEW COURT

PLAN 3077

PROJECT:

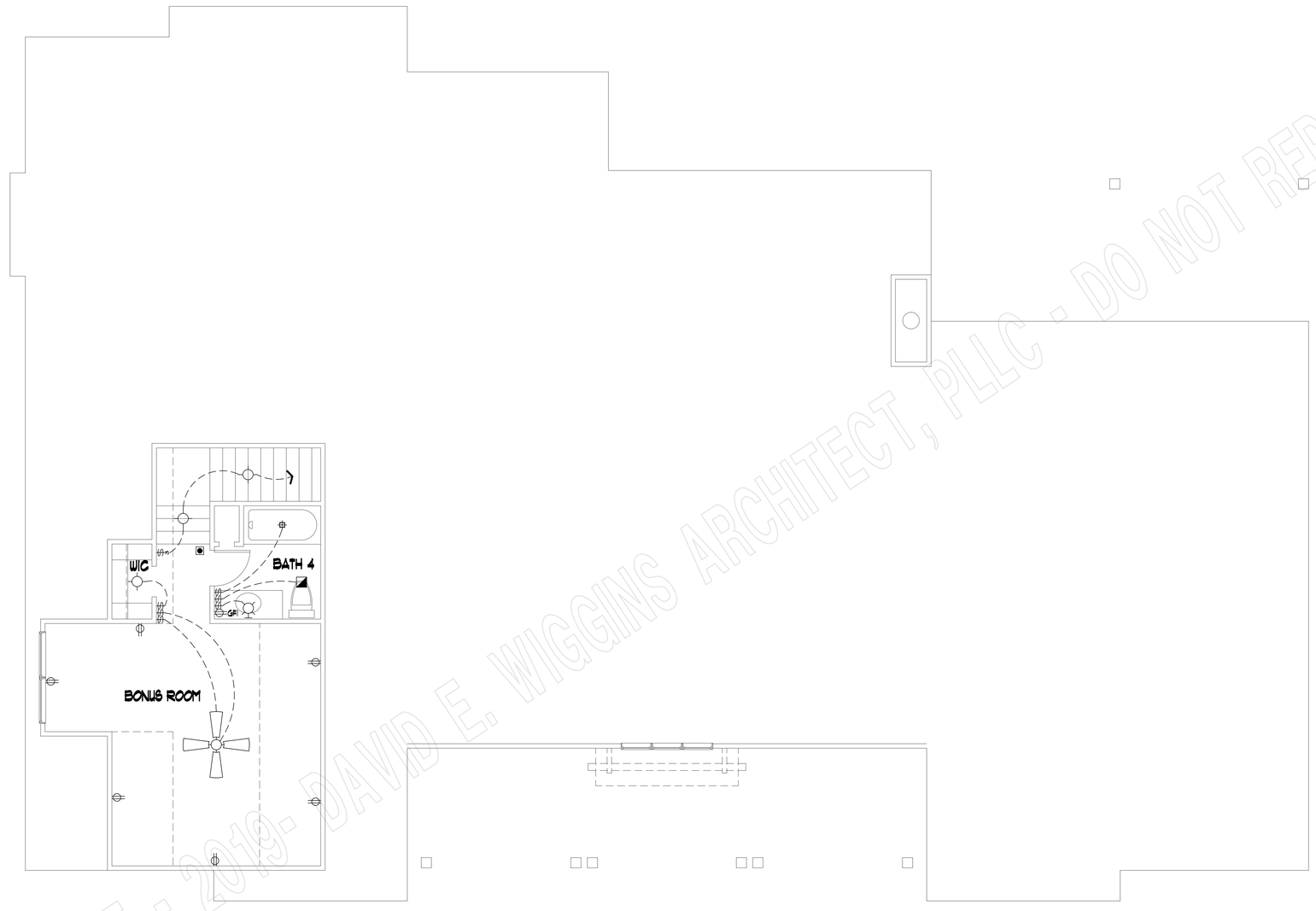
REVISIONS:

DATE:

MAY 5, 2020

E1

OF E2



LEGEND

- 110v. FLOOR OUTLET
- 110v. DUPLEX OUTLET
- WP WATERPROOF OUTLET
- GFI GROUND FAULT INSULATED
- 220 220v. OUTLET
- 2 WAY SWITCH
- 3 WAY SWITCH
- 4 WAY SWITCH
- DIMMER SWITCH
- GENERAL PURPOSE LTG.
- WALL BRACKET LTG.
- RECESSED CAN LTG.
- RECESSED EYEBALL LTG.
- FLOURESCENT LTG.
- DOUBLE FLOOD LTG.
- FLOURESCENT TUBE
- SMOKE DETECTOR
- GAS CONNECTION
- HOSE BIBB
- CEILING FAN
- EXHAUST FAN
- EXHAUST FAN/LIGHT
- CHIMES
- JUNCTION BOX
- PHONE JACK
- HEATER
- A/C DISCONNECT
- ICE MAKER CONNECTION
- WASHER CONNECTIONS
- CABLE TV
- THERMOSTAT
- PUSH BUTTON
- MINI RECESSED CAN LTG.

SECOND FLOOR ELECTRICAL PLAN

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

houseplans by davidwiggins architect
PO Box 256 - Magnolia, Texas - 77353 - (832) 521-5820

CREEKVIEW COURT

PLAN 3077

PROJECT:

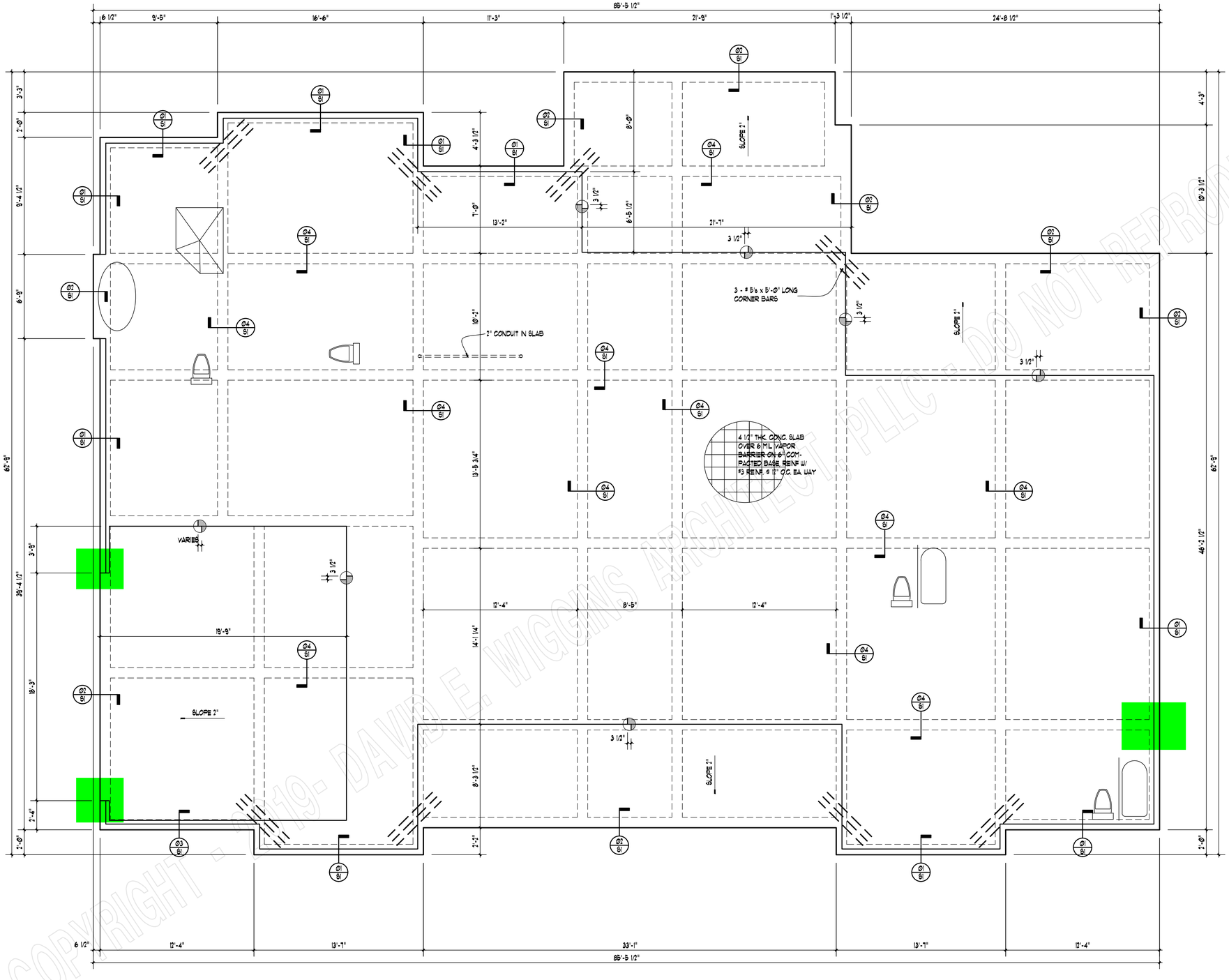
REVISIONS:

DATE:

MAY 5, 2020

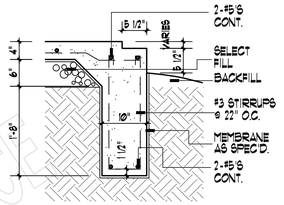
E2

OF E2

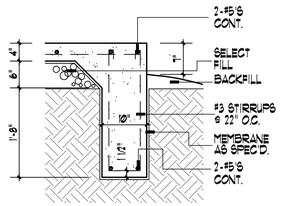


SLAB FOUNDATION PLAN

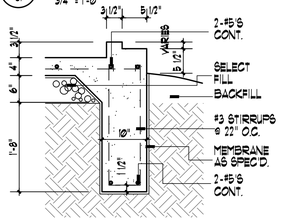
SCALE: 1/4" = 1'-0"



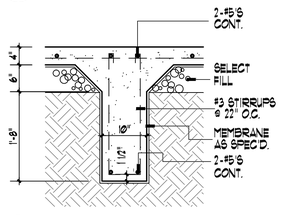
S1 BEAM DETAIL
3/4" = 1'-0"



S1 BEAM DETAIL
3/4" = 1'-0"



S1 BEAM DETAIL
3/4" = 1'-0"



S1 BEAM DETAIL
3/4" = 1'-0"

NOTES:

1. ALL BEAMS TO PENETRATE A MIN. OF 6" INTO UNDISTURBED SOIL.

2. LAPS OR SPLICES TO BE A MIN. OF 24 BAR DIAMETERS.

3. PROVIDE 6 CORNER BARS IN ALL CORNERS OF ALL PERIMETER OR EXTERIOR BEAMS. INSTALL ONE AT TOP OUTSIDE AND ONE AT BOTTOM OUTSIDE.

4. FOUNDATION DESIGN IS GENERAL AND NOT SPECIFIC FOR PARTICULAR SITE CONDITIONS. THEREFORE, BUILDER SHALL ASSUME RESPONSIBILITY FOR APPLICABILITY OF THIS FOUNDATION DESIGN.

5. CONTRACTOR SHALL VERIFY AND COORDINATE LOCATIONS OF ALL FIXED EQUIPMENT, ELECTRICAL RECEPTACLES AND CONDUIT, PLUMBING LOCATIONS AND THRESHOLD BLOCKOUTS.

houseplans by davidwiggins architect
PO Box 256 - Magnolia, Texas - 77353 - (832) 521-5820

CREEKVIEW COURT

PLAN 3077

PROJECT:

REVISIONS:

DATE:

MAY 5, 2020

S1

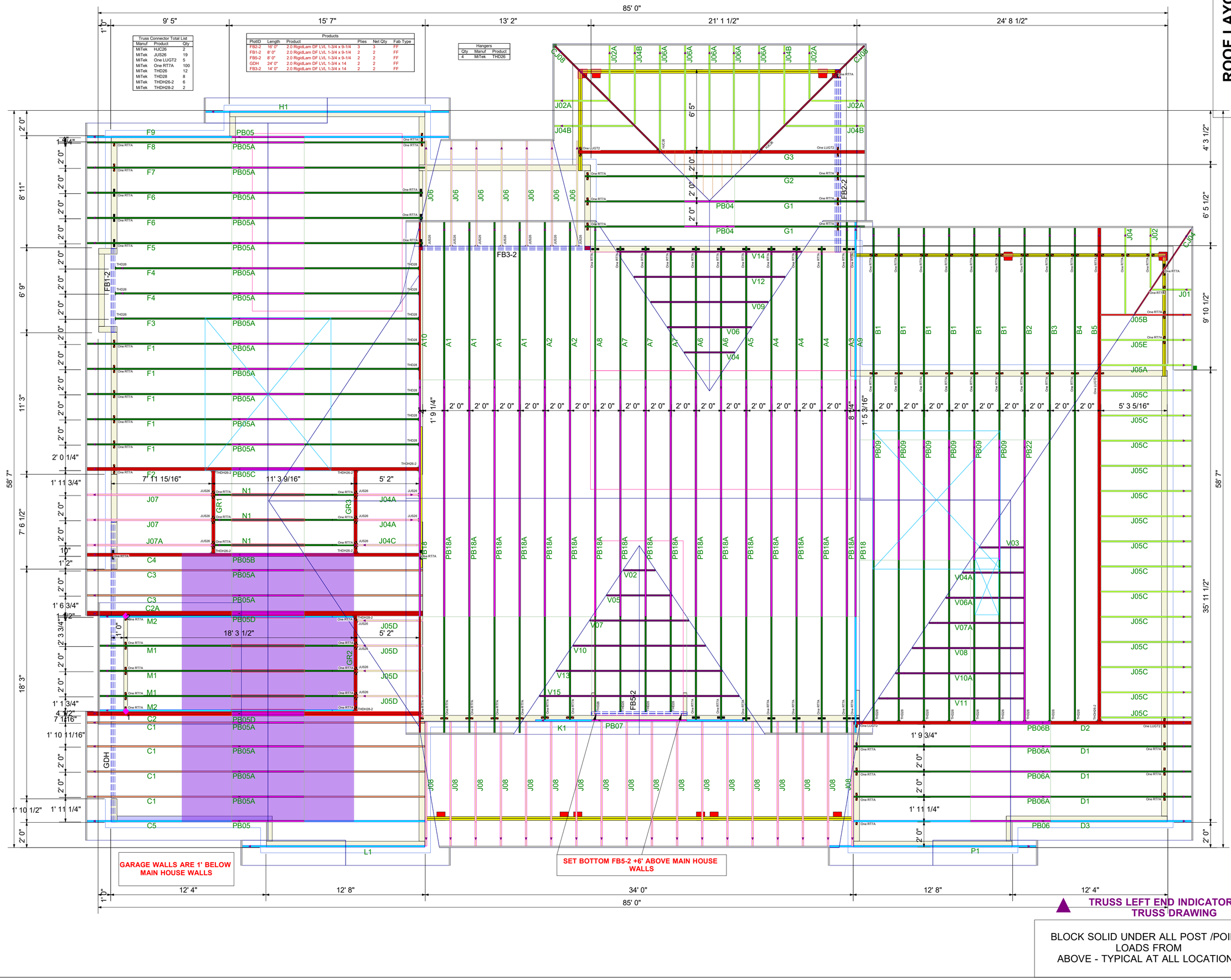
OF S1

ROOF LAYOUT
DRAWING SCALE : NTS

Truss Connector Total List		
Manuf	Product	Qty
MiTek	HJC26	2
MiTek	JUS26	19
MiTek	One LUGT2	5
MiTek	One RT7A	100
MiTek	THD26	12
MiTek	THD28	8
MiTek	THDH26-2	6
MiTek	THDH28-2	2

Products					
PlotID	Length	Product	Plies	Net Qty	Fab Type
FB2-2	16' 0"	2.0 RigidLam DF LVL 1-3/4 x 9-1/4	3	3	FF
FB1-2	8' 0"	2.0 RigidLam DF LVL 1-3/4 x 9-1/4	2	2	FF
FB5-2	8' 0"	2.0 RigidLam DF LVL 1-3/4 x 9-1/4	2	2	FF
GDH	24' 0"	2.0 RigidLam DF LVL 1-3/4 x 14	2	2	FF
FB3-2	14' 0"	2.0 RigidLam DF LVL 1-3/4 x 14	2	2	FF

Hangers		
Qty	Manuf	Product
4	MiTek	THD26



GARAGE WALLS ARE 1' BELOW MAIN HOUSE WALLS

SET BOTTOM FB5-2 +6' ABOVE MAIN HOUSE WALLS

TRUSS LEFT END INDICATOR PER TRUSS DRAWING

BLOCK SOLID UNDER ALL POST /POINT LOADS FROM ABOVE - TYPICAL AT ALL LOCATIONS

Kempsville Building Materials
A Division of the Carter Lumber Company

J & R HOMES LLC

2810 NORRINGTON

ROOF TRUSS PLACEMENT PLAN

REVISIONS		
DATE	BY	
6-8-21	LEE ATKINS	

JOB NUMBER 21030025

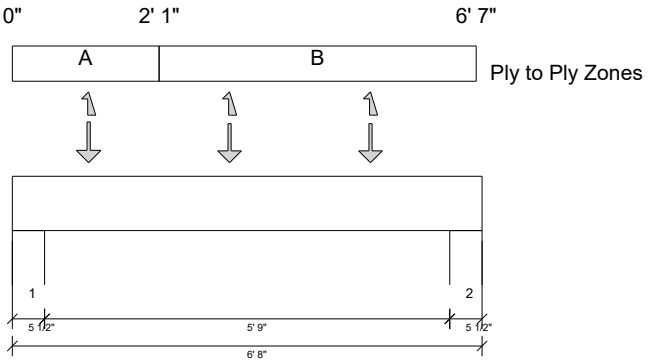
1 / 1

MiTek	Customer: Street 1: City: Customer P...	Job Name: **A** Level: **1st FLOOR** Label: **FB1-2 - i375** Type: **Beam**	**2 Ply Member** **2.0 RigidLam DF LVL 1-3/4 x 9-1/4**	Status: **Design Passed**

Illustration Not to Scale. Pitch: 0/12

Designed by Single Member Design Engine in MiTek® Structure Version 8.5.0.207.Update5.FT.1

Report Version: 2020.10.28 06/08/2021 13:32



DESIGN INFORMATION

Building Code:	IRC 2018
Design Methodology:	ASD
Risk Category:	II (General Construction) Residential
Service Condition:	Dry
LL Deflection Limit:	L/360, 0.75" (absolute)
TL Deflection Limit:	L/240, 1.00" (absolute)

Lateral Restraint Requirements:

Both ends of the member and the outer supports must be laterally restrained. Top and bottom edges of the member must be fully restrained or have the following maximum unbraced length:

Top: 1'- 10 1/2" Bottom: 0'

Bearing Stress of Support Material:

- 425 psi Wall @ 0'- 4 1/2"
- 425 psi Wall @ 6'- 3 1/2"

ANALYSIS RESULTS

Design Criteria	Location	Load Combination	LDF	Design	Limit	Result
Max Pos. Moment:	3'- 1"	D + Lr	1.15	2499 lb ft	15319 lb ft	Passed - 16%
Max Neg. Moment:	3'- 1"	0.6D + 0.6W	1.60	390 lb ft	21313 lb ft	Passed - 2%
Max Shear:	1'- 2 3/4"	D + Lr	1.15	1530 lb	7198 lb	Passed - 21%
Live Load (LL) Pos. Defl.:	3'- 3 7/8"	0.75(L + Lr + 0.6W)		0.018"	L/360	Passed - L/999
Total Load (TL) Pos. Defl.:	3'- 3 13/16"	D + 0.75(L + Lr + 0.6W)		0.034"	L/240	Passed - L/999

SUPPORT AND REACTION INFORMATION

ID	Input Bearing Length	Controlling Load Combination	LDF	Downward Reaction	Uplift Reaction	Resistance of Member	Resistance of Support	Result
1	5 1/2"	D + Lr	1.15	1749 lb		14438 lb	8181 lb	Passed - 21%
1	5 1/2"	0.6D + 0.6W	1.60		-226 lb	-	-	
2	5 1/2"	D + Lr	1.15	1426 lb		14438 lb	8181 lb	Passed - 17%
2	5 1/2"	0.6D + 0.6W	1.60		-224 lb	-	-	

LOADING

Type	Start Loc	End Loc	Source	Face	Dead (D)	Live (L)	Snow (S)	Roof Live (Lr)	Wind (W)
Self Weight	0'	6'- 8"	Self Weight	Top	9 lb/ft	-	-	-	-
Point	1'- 1"	1'- 1"	F3(c01)	Front	573 lb	-	254 lb	525/-43 lb	213/-630 lb
Point	3'- 1"	3'- 1"	F4(c02)	Front	482 lb	-	255 lb	527/-43 lb	213/-634 lb
Point	5'- 1"	5'- 1"	F4(c01)	Front	483 lb	-	255 lb	528/-43 lb	213/-635 lb

UNFACTORED REACTIONS

ID	Start Loc	End Loc	Source	Dead (D)	Live (L)	Snow (S)	Roof Live (Lr)	Wind (W)
1	0'	0'- 5 1/2"	E4(i74)	893 lb	-	414 lb	856/-70 lb	589 lb/ -1270 lb
2	6'- 2 1/2"	6'- 8"	E29(i69)	702 lb	-	350 lb	724/-59 lb	589 lb/ -1270 lb

DESIGN NOTES

- The dead loads used in the design of this member were applied to the structure as projected dead loads.
- Analysis and Design has been performed using precision loading from actual modeled conditions. Some loads may have been modified to simplify reporting.
- Tributary Loads have been generated based on actual spacing between members in the model which may differ from the default system spacing. The actual loads applied to the member are shown in the Specified Loads table.
- Transfer reactions may differ from design results as allowed per building codes and standard load distribution practices.
- This report is based on modeled conditions input by the user. Source information for the loads and supports are provided for reference only. Verify that all loads and support conditions are correct.
- Review all loads and reactions to ensure that the member/bearing/connector/structure can resist adequately. Unless already specified on this report, anchorage for uplift reactions to be specified by others. Installation of member and accessories (if required) as per manufacturer's instruction.

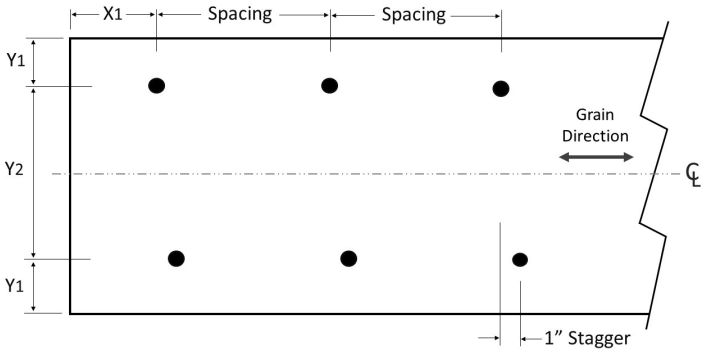
PLY TO PLY CONNECTION

- Zone A: Factored load = 695 plf. Use 12d (0.148"x3.25") nails. LDF = 1.00. Qty = 8. Row = 2, Spacing = 8"
  Zone B: Factored load = 641 plf. Use 12d (0.148"x3.25") nails. LDF = 1.00. Qty = 14. Row = 2, Spacing = 8"
  12d (0.148"x3.25") nails properties: D = 0.148" , L = 3.25". Fastener capacity = 117 lbs. X1 = 2.25" , Y1 = 0.75", Y2 = 1.5"
  Install fasteners from one face.
  X1 = Minimum end distance, X2 = Minimum edge distance, Y2 = Minimum row spacing.

MiTek	Customer: Street 1: City: Customer P...	Job Name: **A** Level: **1st FLOOR** Label: **FB1-2 - i375** Type: **Beam**	**2 Ply Member** **2.0 RigidLam DF LVL 1-3/4 x 9-1/4**	Status: **Design Passed**

PLY TO PLY CONNECTION

FASTENER INSTALLATION – 2 ROWS (FROM ONE FACE)

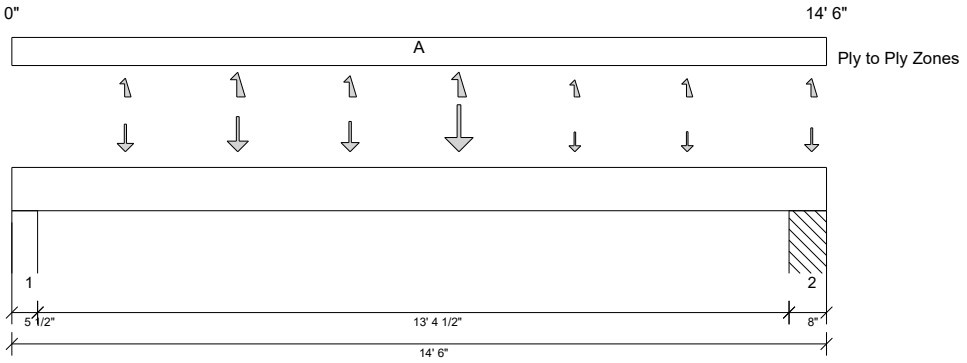


MiTek	Customer: Street 1: City: Customer P...	Job Name: **A** Level: **1st FLOOR** Label: **FB2-2 - i380** Type: **Beam**	**3 Ply Member** **2.0 RigidLam DF LVL 1-3/4 x 9-1/4**	Status: **Design Passed**

Illustration Not to Scale. Pitch: 0/12

Designed by Single Member Design Engine in MiTek® Structure Version 8.5.0.207.Update5.FT.1

Report Version: 2020.10.28 06/08/2021 13:32



DESIGN INFORMATION

Building Code:	IRC 2018
Design Methodology:	ASD
Risk Category:	II (General Construction) Residential
Service Condition:	Dry
LL Deflection Limit:	L/360, 0.75" (absolute)
TL Deflection Limit:	L/240, 1.00" (absolute)

Lateral Restraint Requirements:

Both ends of the member and the outer supports must be laterally restrained. Top and bottom edges of the member must be fully restrained or have the following maximum unbraced length:

Top: 2'- 1 1/2" Bottom: 0'

Bearing Stress of Support Material:

- 1265 psi Wall @ 0'- 4 1/2"
- 725 psi Column @ 13'- 11"

ANALYSIS RESULTS

Design Criteria	Location	Load Combination	LDF	Design	Limit	Result
Max Pos. Moment:	7'- 11 1/2"	D + Lr	1.15	11154 lb ft	22978 lb ft	Passed - 49%
Max Neg. Moment:	6'- 1/4"	0.6D + 0.6W	1.60	1923 lb ft	31970 lb ft	Passed - 6%
Max Shear:	1'- 2 3/4"	D + Lr	1.15	2812 lb	10797 lb	Passed - 26%
Live Load (LL) Pos. Defl.:	7'- 3/4"	Lr		0.259"	L/360	Passed - L/618
Total Load (TL) Pos. Defl.:	7'- 3/4"	D + Lr		0.521"	L/240	Passed - L/308

SUPPORT AND REACTION INFORMATION

ID	Input Bearing Length	Controlling Load Combination	LDF	Downward Reaction	Uplift Reaction	Resistance of Member	Resistance of Support	Result
1	5 1/2"	D + Lr	1.15	2828 lb		21656 lb	36527 lb	Passed - 13%
1	5 1/2"	0.6D + 0.6W	1.60		-511 lb	-	-	
2	8"	D + Lr	1.15	2877 lb		31500 lb	30450 lb	Passed - 9%
2	8"	0.6D + 0.6W	1.60		-563 lb	-	-	

LOADING

Type	Start Loc	End Loc	Source	Face	Dead (D)	Live (L)	Snow (S)	Roof Live (Lr)	Wind (W)
Self Weight	0'	14'- 6"	Self Weight	Top	13 lb/ft	-	-	-	-
Point	2'- 1/4"	2'- 1/4"	G1(c01)	Top	370 lb	-	181 lb	358/-17 lb	143/-451 lb
Point	4'- 1/4"	4'- 1/4"	G1(c02)	Top	466 lb	-	283 lb	548/-15 lb	253/-844 lb
Point	6'- 1/4"	6'- 1/4"	G2(c01)	Top	404 lb	-	217 lb	406 lb	204/-629 lb
Point	7'- 11 1/2"	7'- 11 1/2"	G3(c01)	Top	879 lb	-	381 lb	847/-109 lb	229/-763 lb
Point	10'- 1/4"	10'- 1/4"	J04B(c01)	Top	135 lb	-	99 lb	187 lb	110/-356 lb
Point	12'- 1/4"	12'- 1/4"	J02A(c01)	Top	123 lb	-	108 lb	202 lb	119/-438 lb
Point	14'- 2 7/8"	14'- 2 7/8"	CJ08(c02)	Top	264 lb	-	133 lb	330/-81 lb	77/-366 lb

UNFACTORED REACTIONS

ID	Start Loc	End Loc	Source	Dead (D)	Live (L)	Snow (S)	Roof Live (Lr)	Wind (W)
1	0'	0'- 5 1/2"	E7(i76)	1424 lb	-	698 lb	1392/-70 lb	755 lb/ -2273 lb
2	13'- 10"	14'- 6"	PBO9(i99)	1403 lb	-	704 lb	1486/-152 lb	755 lb/ -2273 lb

DESIGN NOTES

- CAUTION: The maximum net analysis reaction exceeds the user-defined maximum uplift value at one or more supports.
- The dead loads used in the design of this member were applied to the structure as projected dead loads.
- Analysis and Design has been performed using precision loading from actual modeled conditions. Some loads may have been modified to simplify reporting.
- Tributary Loads have been generated based on actual spacing between members in the model which may differ from the default system spacing. The actual loads applied to the member are shown in the Specified Loads table.
- Transfer reactions may differ from design results as allowed per building codes and standard load distribution practices.
- This report is based on modeled conditions input by the user. Source information for the loads and supports are provided for reference only. Verify that all loads and support conditions are correct.
- Review all loads and reactions to ensure that the member/bearing/connector/structure can resist adequately. Unless already specified on this report, anchorage for uplift reactions to be specified by others. Installation of member and accessories (if required) as per manufacturer's instruction.

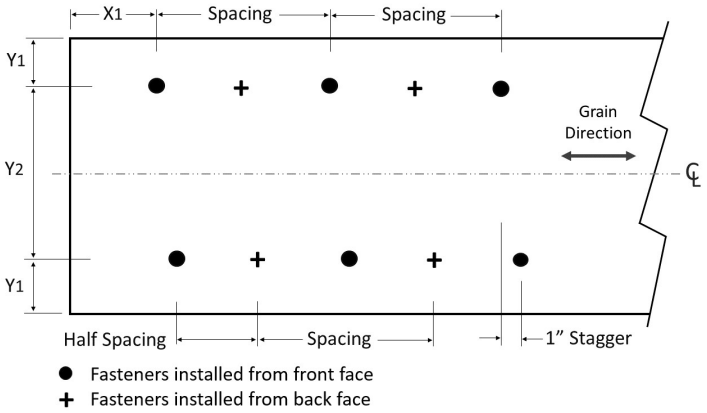
PLY TO PLY CONNECTION

- Zone A: Factored load = 0 plf. Use 12d (0.148"x3.25") nails. LDF = 1.00. Qty = 58. Row = 2, Spacing = 12"
  12d (0.148"x3.25") nails properties: D = 0.148" , L = 3.25". Fastener capacity = 117 lbs. X1 = 2.25" , Y1 = 0.75", Y2 = 1.5"
  Install fasteners from both faces.
  X1 = Minimum end distance, X2 = Minimum edge distance, Y2 = Minimum row spacing.

MiTek	Customer: Street 1: City: Customer P...	Job Name: **A** Level: **1st FLOOR** Label: **FB2-2 - i380** Type: **Beam**	**3 Ply Member** **2.0 RigidLam DF LVL 1-3/4 x 9-1/4**	Status: **Design Passed**

PLY TO PLY CONNECTION

FASTENER INSTALLATION – 2 ROWS (FROM BOTH FACES)

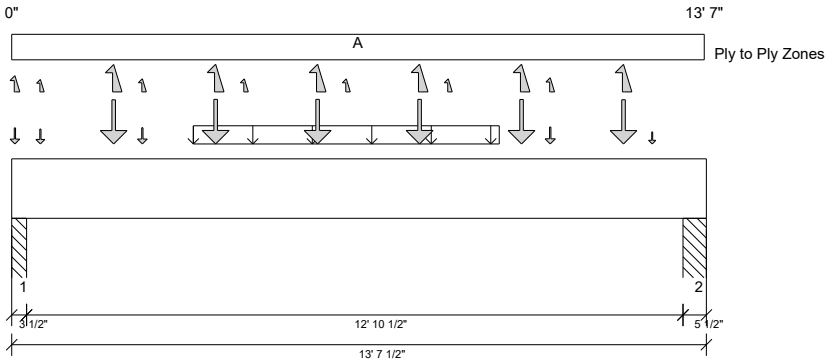


MiTek	Customer: Street 1: City: Customer P...	Job Name: **A** Level: **1st FLOOR** Label: **FB3-2 - i376** Type: **Beam**	**2 Ply Member** **2.0 RigidLam DF LVL 1-3/4 x 14**	Status: **Design Passed**

Illustration Not to Scale. Pitch: 0/12

Designed by Single Member Design Engine in MiTek® Structure Version 8.5.0.207.Update5.FT.1

Report Version: 2020.10.28 06/08/2021 13:32



DESIGN INFORMATION

Building Code:	IRC 2018
Design Methodology:	ASD
Risk Category:	II (General Construction) Residential
Service Condition:	Dry
LL Deflection Limit:	L/360, 0.75" (absolute)
TL Deflection Limit:	L/240, 1.00" (absolute)

Lateral Restraint Requirements:

Both ends of the member and the outer supports must be laterally restrained. Top and bottom edges of the member must be fully restrained or have the following maximum unbraced length:

Top: 1'- 3 3/4" Bottom: 0'

Bearing Stress of Support Material:

- 725 psi Column @ 0'- 2 1/2"
- 725 psi Column @ 13'- 3"

ANALYSIS RESULTS

Design Criteria	Location	Load Combination	LDF	Design	Limit	Result
Max Pos. Moment:	6'	D + Lr	1.15	20941 lb ft	33318 lb ft	Passed - 63%
Max Neg. Moment:	6'	0.6D + 0.6W	1.60	4717 lb ft	46355 lb ft	Passed - 10%
Max Shear:	12'	D + Lr	1.15	6054 lb	10894 lb	Passed - 56%
Live Load (LL) Pos. Defl.:	6'- 8 13/16"	0.75(L + Lr + 0.6W)		0.219"	L/360	Passed - L/705
Total Load (TL) Pos. Defl.:	6'- 8 13/16"	D + 0.75(L + Lr + 0.6W)		0.414"	L/240	Passed - L/373

SUPPORT AND REACTION INFORMATION

ID	Input Bearing Length	Controlling Load Combination	LDF	Downward Reaction	Uplift Reaction	Resistance of Member	Resistance of Support	Result
1	3 1/2"	D + 0.75(L + Lr + 0.6W)	1.60	6062 lb		9188 lb	8881 lb	Passed - 68%
1	3 1/2"	0.6D + 0.6W	1.60		-1470 lb	-	-	
2	5 1/2"	D + 0.75(L + Lr + 0.6W)	1.60	6147 lb		14437 lb	13956 lb	Passed - 44%
2	5 1/2"	0.6D + 0.6W	1.60		-1360 lb	-	-	

LOADING

Type	Start Loc	End Loc	Source	Face	Dead (D)	Live (L)	Snow (S)	Roof Live (Lr)	Wind (W)
Self Weight	0'	13'- 7 1/2"	Self Weight	Top	13 lb/ft	-	-	-	-
Uniform	3'- 6 3/4"	9'- 6 3/4"	Smoothed Load	Back	58 lb/ft	-	54 lb/ft	62 lb/ft	16 lb/ft
Point	0'- 6 3/4"	0'- 6 3/4"	J06(c04)	Back	102 lb	-	82 lb	83 lb	25/-103 lb
Point	2'- 6 3/4"	2'- 6 3/4"	J06(c07)	Back	118 lb	-	114 lb	128/-14 lb	34/-143 lb
Point	4'- 6 3/4"	4'- 6 3/4"	J06(c01)	Back	-	-	-	-14 lb	-137 lb
Point	6'- 6 3/4"	6'- 6 3/4"	J06(c05)	Back	-	-	-	-14 lb	-137 lb
Point	8'- 6 3/4"	8'- 6 3/4"	J06(c02)	Back	-	-	-	-14 lb	-137 lb
Point	10'- 6 3/4"	10'- 6 3/4"	J06(c06)	Back	129 lb	-	136 lb	145/-9 lb	40/-227 lb
Point	12'- 6 3/4"	12'- 6 3/4"	J06(c03)	Back	70 lb	-	-	-	-
Point	0'- 3/4"	0'- 3/4"	A10(c01)	Top	-	-	77 lb	179/-68 lb	127/-328 lb
Point	2'	2'	A1(c01)	Top	785 lb	-	569 lb	905/-42 lb	303/-1222 lb
Point	4'	4'	A1(c02)	Top	792 lb	-	577 lb	918/-43 lb	307/-1241 lb
Point	6'	6'	A1(c03)	Top	792 lb	-	577 lb	918/-43 lb	307/-1241 lb
Point	8'	8'	A1(c03)	Top	792 lb	-	578 lb	919/-43 lb	307/-1247 lb
Point	10'	10'	A2(c01)	Top	790 lb	-	576 lb	916/-43 lb	304/-1240 lb
Point	12'	12'	A2(c02)	Top	788 lb	-	573 lb	914/-43 lb	289/-1230 lb

UNFACTORED REACTIONS

ID	Start Loc	End Loc	Source	Dead (D)	Live (L)	Snow (S)	Roof Live (Lr)	Wind (W)
1	0'	0'- 3 1/2"	PBO15(i374)	2802 lb	-	2100 lb	3215/-227 lb	1888 lb/ -5252 lb
2	13'- 2"	13'- 7 1/2"	PBO16(i378)	2920 lb	-	2104 lb	3197/-163 lb	1888 lb/ -5252 lb

DESIGN NOTES

- CAUTION: The maximum net analysis reaction exceeds the user-defined maximum uplift value at one or more supports.
- The dead loads used in the design of this member were applied to the structure as projected dead loads.
- Analysis and Design has been performed using precision loading from actual modeled conditions. Some loads may have been modified to simplify reporting.
- Tributary Loads have been generated based on actual spacing between members in the model which may differ from the default system spacing. The actual loads applied to the member are shown in the Specified Loads table.
- Transfer reactions may differ from design results as allowed per building codes and standard load distribution practices.
- This report is based on modeled conditions input by the user. Source information for the loads and supports are provided for reference only. Verify that all loads and support conditions are correct.
- Review all loads and reactions to ensure that the member/bearing/connector/structure can resist adequately. Unless already specified on this report, anchorage for uplift reactions to be specified by others. Installation of member and accessories (if required) as per manufacturer's instruction.

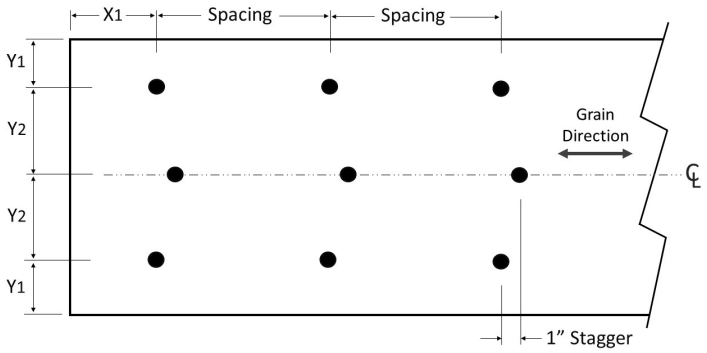
PLY TO PLY CONNECTION

MiTek	Customer: Street 1: City: Customer P...	Job Name: **A** Level: **1st FLOOR** Label: **FB3-2 - i376** Type: **Beam**	**2 Ply Member** **2.0 RigidLam DF LVL 1-3/4 x 14**	Status: **Design Passed**

PLY TO PLY CONNECTION

- Zone A: Factored load = 239 plf. Use 12d (0.148"x3.25") nails. LDF = 1.00. Qty = 42. Row = 3, Spacing = 12"
  12d (0.148"x3.25") nails properties: D = 0.148" , L = 3.25". Fastener capacity = 117 lbs. X1 = 2.25" , Y1 = 0.75", Y2 = 1.5"
  Install fasteners from one face.
  X1 = Minimum end distance, X2 = Minimum edge distance, Y2 = Minimum row spacing.

FASTENER INSTALLATION – 3 ROWS (FROM ONE FACE)

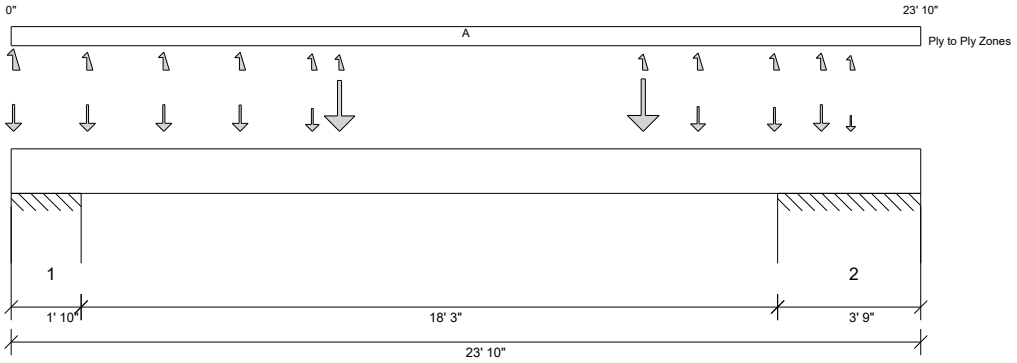


MiTek	Customer: Street 1: City: Customer P...	Job Name: **A** Level: **1st FLOOR** Label: **GDH - i377** Type: **Beam**	**2 Ply Member** **2.0 RigidLam DF LVL 1-3/4 x 14**	Status: **Design Passed**

Illustration Not to Scale. Pitch: 0/12

Designed by Single Member Design Engine in MiTek® Structure Version 8.5.0.207.Update5.FT.1

Report Version: 2020.10.28 06/08/2021 13:32



DESIGN INFORMATION

Building Code:	IRC 2018
Design Methodology:	ASD
Risk Category:	II (General Construction) Residential
Service Condition:	Dry
LL Deflection Limit:	L/360, 0.75" (absolute)
TL Deflection Limit:	L/240, 1.00" (absolute)

Lateral Restraint Requirements:

Both ends of the member and the outer supports must be laterally restrained. Top and bottom edges of the member must be fully restrained or have the following maximum unbraced length:

Top: 7'- 7" Bottom: 0'

Bearing Stress of Support Material:

- 725 psi Wall @ 1'- 8 1/2"
- 725 psi Wall @ 20'- 2 1/2"

ANALYSIS RESULTS

Design Criteria	Location	Load Combination	LDF	Design	Limit	Result
Max Pos. Moment:	8'- 7 1/4"	D + 0.75(L + Lr)	1.15	17863 lb ft	33318 lb ft	Passed - 54%
Max Neg. Moment:	1'- 8 1/2"	D + 0.75(L + Lr)	1.15	29648 lb ft	33318 lb ft	Passed - 89%
Max Shear:	18'- 11"	D + 0.75(L + Lr)	1.15	8945 lb	10894 lb	Passed - 82%
Live Load (LL) Pos. Defl.:	10'- 8 3/16"	0.75(L + Lr + 0.6W)		0.255"	L/360	Passed - L/859
Total Load (TL) Pos. Defl.:	10'- 8 3/16"	D + 0.75(L + Lr + 0.6W)		0.456"	L/240	Passed - L/480

SUPPORT AND REACTION INFORMATION

ID	Input Bearing Length	Controlling Load Combination	LDF	Downward Reaction	Uplift Reaction	Resistance of Member	Resistance of Support	Result
1	8 1/2"	D + 0.75(L + Lr)	1.15		-17907 lb	-	-	
1	1' 1 1/2"	D + 0.75(L + Lr)	1.15	28987 lb		35438 lb	34256 lb	Passed - 85%
2	1' 9"	D + 0.75(L + Lr)	1.15	18646 lb		55125 lb	53288 lb	Passed - 35%
2	11 1/2"	D + 0.75(L + Lr)	1.15		-6443 lb	-	-	

LOADING

Type	Start Loc	End Loc	Source	Face	Dead (D)	Live (L)	Snow (S)	Roof Live (Lr)	Wind (W)
Self Weight	0'	23'- 10"	Self Weight	Top	13 lb/ft	-	-	-	-
Point	0'- 3/4"	0'- 3/4"	C5(c01)	Top	773 lb	273 lb	380 lb	776/-54 lb	335/-1465 lb
Point	2'	2'	C1(c01)	Top	735 lb	547 lb	304 lb	621/-43 lb	265/-850 lb
Point	4'	4'	C1(c02)	Top	739 lb	547 lb	309 lb	629/-43 lb	270/-863 lb
Point	6'	6'	C1(c03)	Top	730 lb	532 lb	300 lb	613/-42 lb	262/-839 lb
Point	7'- 10 11/16"	7'- 10 11/16"	C1(c01)	Top	622 lb	356 lb	209 lb	425/-28 lb	184/-585 lb
Point	8'- 7 1/4"	8'- 7 1/4"	C2(c01)	Top	2517 lb	1179 lb	170 lb	2991/-13 lb	96/-434 lb
Point	16'- 6 3/4"	16'- 6 3/4"	C2A(c01)	Top	2555 lb	1278 lb	208 lb	3072/-20 lb	128/-548 lb
Point	18'	18'	C3(c02)	Top	675 lb	467 lb	253 lb	518/-37 lb	240/-714 lb
Point	20'	20'	C3(c01)	Top	645 lb	455 lb	223 lb	459/-35 lb	217/-632 lb
Point	21'- 2 3/4"	21'- 2 3/4"	C4(c01)	Top	1061 lb	184 lb	316 lb	629/-33 lb	311/-706 lb
Point	22'	22'	J07A(c01)	Top	160 lb	-	91 lb	172 lb	101/-292 lb

UNFACTORED REACTIONS

ID	Start Loc	End Loc	Source	Dead (D)	Live (L)	Snow (S)	Roof Live (Lr)	Wind (W)
1	0'	1'- 10"	E20(i87)	16849/-10519 lb	9775/-6252 lb	3065/-1431 lb	18473/-12494 lb	2206 lb/ -5599 lb
==>	0'- 1 1/2"	0'- 1 1/2"	E20(i87)	-10519 lb	302/-6221 lb	-1431 lb	809/-12154 lb	-
==>	1'- 8 1/2"	1'- 8 1/2"	E20(i87)	16849 lb	9473/-31 lb	3065 lb	17664/-340 lb	-
2	20'- 1"	23'- 10"	E2(i80)	5191 lb	2355 lb	1129 lb	4956/-320 lb	2206 lb/ -5599 lb
==>	20'- 2 1/2"	20'- 2 1/2"	E2(i80)	5191 lb	2308 lb	1129 lb	4694/-184 lb	-
==>	23'- 8 1/2"	23'- 8 1/2"	E2(i80)	-	47 lb	-	262/-136 lb	-

DESIGN NOTES

- CAUTION: The maximum net analysis reaction exceeds the user-defined maximum uplift value at one or more supports.
- The dead loads used in the design of this member were applied to the structure as projected dead loads.
- Analysis and Design has been performed using precision loading from actual modeled conditions. Some loads may have been modified to simplify reporting.
- Tributary Loads have been generated based on actual spacing between members in the model which may differ from the default system spacing. The actual loads applied to the member are shown in the Specified Loads table.
- Transfer reactions may differ from design results as allowed per building codes and standard load distribution practices.
- This report is based on modeled conditions input by the user. Source information for the loads and supports are provided for reference only. Verify that all loads and support conditions are correct.
- Review all loads and reactions to ensure that the member/bearing/connector/structure can resist adequately. Unless already specified on this report, anchorage for uplift reactions to be specified by others. Installation of member and accessories (if required) as per manufacturer's instruction.

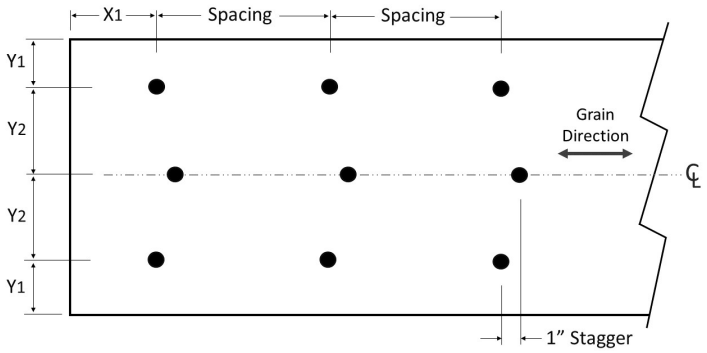
PLY TO PLY CONNECTION

MiTek	Customer: Street 1: City: Customer P...	Job Name: **A** Level: **1st FLOOR** Label: **GDH - i377** Type: **Beam**	**2 Ply Member** **2.0 RigidLam DF LVL 1-3/4 x 14**	Status: **Design Passed**

PLY TO PLY CONNECTION

- Zone A: Factored load = 0 plf. Use 12d (0.148"x3.25") nails. LDF = 1.00. Qty = 72. Row = 3, Spacing = 12"
  12d (0.148"x3.25") nails properties: D = 0.148" , L = 3.25". Fastener capacity = 117 lbs. X1 = 2.25" , Y1 = 0.75", Y2 = 1.5"
  Install fasteners from one face.
  X1 = Minimum end distance, X2 = Minimum edge distance, Y2 = Minimum row spacing.

FASTENER INSTALLATION – 3 ROWS (FROM ONE FACE)

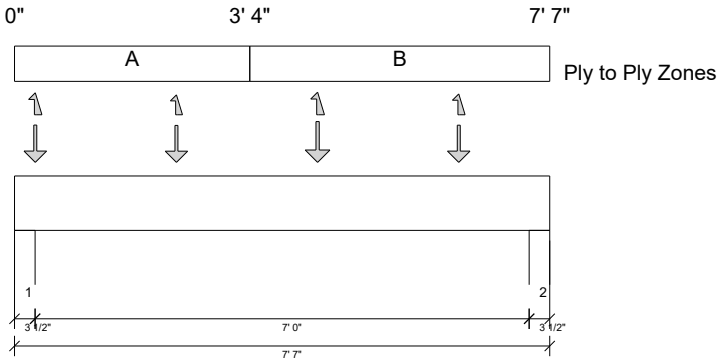


MiTek	Customer: Street 1: City: Customer P...	Job Name: **A** Level: **1st FLOOR** Label: **FB5-2 - i340** Type: **Beam**	**2 Ply Member** **2.0 RigidLam DF LVL 1-3/4 x 9-1/4**	Status: **Design Passed**

Illustration Not to Scale. Pitch: 0/12

Designed by Single Member Design Engine in MiTek® Structure Version 8.5.0.207.Update5.FT.1

Report Version: 2020.10.28 06/08/2021 13:32



DESIGN INFORMATION

Building Code:	IRC 2018
Design Methodology:	ASD
Risk Category:	II (General Construction) Residential
Service Condition:	Dry
LL Deflection Limit:	L/360, 0.75" (absolute)
TL Deflection Limit:	L/240, 1.00" (absolute)

Lateral Restraint Requirements:

Both ends of the member and the outer supports must be laterally restrained. Top and bottom edges of the member must be fully restrained or have the following maximum unbraced length:

Top: 1'- 10 1/2" Bottom: 0'

Bearing Stress of Support Material:

- 425 psi Wall @ 0'- 2 1/2"
- 425 psi Wall @ 7'- 4 1/2"

ANALYSIS RESULTS

Design Criteria	Location	Load Combination	LDF	Design	Limit	Result
Max Pos. Moment:	4'- 3 9/16"	D + Lr	1.15	5575 lb ft	15319 lb ft	Passed - 36%
Max Neg. Moment:	4'- 3 9/16"	0.6D + 0.6W	1.60	626 lb ft	21313 lb ft	Passed - 3%
Max Shear:	6'- 6 1/4"	D + Lr	1.15	2832 lb	7198 lb	Passed - 39%
Live Load (LL) Pos. Defl.:	3'- 10"	Lr		0.058"	L/360	Passed - L/999
Total Load (TL) Pos. Defl.:	3'- 9 15/16"	D + Lr		0.110"	L/240	Passed - L/766

SUPPORT AND REACTION INFORMATION

ID	Input Bearing Length	Controlling Load Combination	LDF	Downward Reaction	Uplift Reaction	Resistance of Member	Resistance of Support	Result
1	3 1/2"	D + Lr	1.15	3681 lb		9188 lb	5206 lb	Passed - 71%
1	3 1/2"	0.6D + 0.6W	1.60		-319 lb	-	-	
2	3 1/2"	D + Lr	1.15	2841 lb		9188 lb	5206 lb	Passed - 55%
2	3 1/2"	0.6D + 0.6W	1.60		-266 lb	-	-	

LOADING

Type	Start Loc	End Loc	Source	Face	Dead (D)	Live (L)	Snow (S)	Roof Live (Lr)	Wind (W)
Self Weight	0'	7'- 7"	Self Weight	Top	9 lb/ft	-	-	-	-
Point	0'- 3 9/16"	0'- 3 9/16"	A8(c01)	Back	739 lb	-	458 lb	829/-54 lb	232/-928 lb
Point	2'- 3 9/16"	2'- 3 9/16"	A7(c01)	Back	736 lb	-	439 lb	822/-63 lb	231/-747 lb
Point	4'- 3 9/16"	4'- 3 9/16"	A7(c03)	Back	810 lb	-	506 lb	956/-57 lb	276/-977 lb
Point	6'- 3 9/16"	6'- 3 9/16"	A7(c02)	Back	743 lb	-	448 lb	822/-51 lb	234/-836 lb

UNFACTORED REACTIONS

ID	Start Loc	End Loc	Source	Dead (D)	Live (L)	Snow (S)	Roof Live (Lr)	Wind (W)
1	0'	0'- 3 1/2"	7(i339)	1775 lb	-	1068 lb	1971/-132 lb	0 lb/ -2323 lb
2	7'- 3 1/2"	7'- 7"	6(i338)	1318 lb	-	783 lb	1458/-93 lb	0 lb/ -2323 lb

DESIGN NOTES

- The dead loads used in the design of this member were applied to the structure as projected dead loads.
- Analysis and Design has been performed using precision loading from actual modeled conditions. Some loads may have been modified to simplify reporting.
- Tributary Loads have been generated based on actual spacing between members in the model which may differ from the default system spacing. The actual loads applied to the member are shown in the Specified Loads table.
- Transfer reactions may differ from design results as allowed per building codes and standard load distribution practices.
- This report is based on modeled conditions input by the user. Source information for the loads and supports are provided for reference only. Verify that all loads and support conditions are correct.
- Review all loads and reactions to ensure that the member/bearing/connector/structure can resist adequately. Unless already specified on this report, anchorage for uplift reactions to be specified by others. Installation of member and accessories (if required) as per manufacturer's instruction.

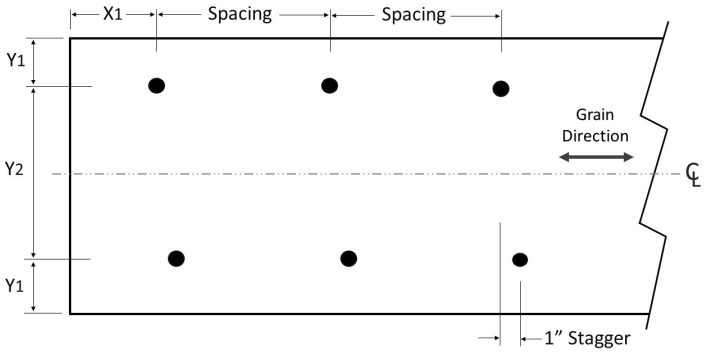
PLY TO PLY CONNECTION

- Zone A: Factored load = 1705 plf. Use 12d (0.148"x3.25") nails. LDF = 1.00. Qty = 28. Row = 2, Spacing = 3"
  Zone B: Factored load = 1087 plf. Use 12d (0.148"x3.25") nails. LDF = 1.00. Qty = 22. Row = 2, Spacing = 5"
  12d (0.148"x3.25") nails properties: D = 0.148" , L = 3.25". Fastener capacity = 117 lbs. X1 = 2.25" , Y1 = 0.75", Y2 = 1.5"
  Install fasteners from one face.
  X1 = Minimum end distance, X2 = Minimum edge distance, Y2 = Minimum row spacing.

MiTek	Customer: Street 1: City: Customer P...	Job Name: **A** Level: **1st FLOOR** Label: **FB5-2 - i340** Type: **Beam**	**2 Ply Member** **2.0 RigidLam DF LVL 1-3/4 x 9-1/4**	Status: **Design Passed**

PLY TO PLY CONNECTION

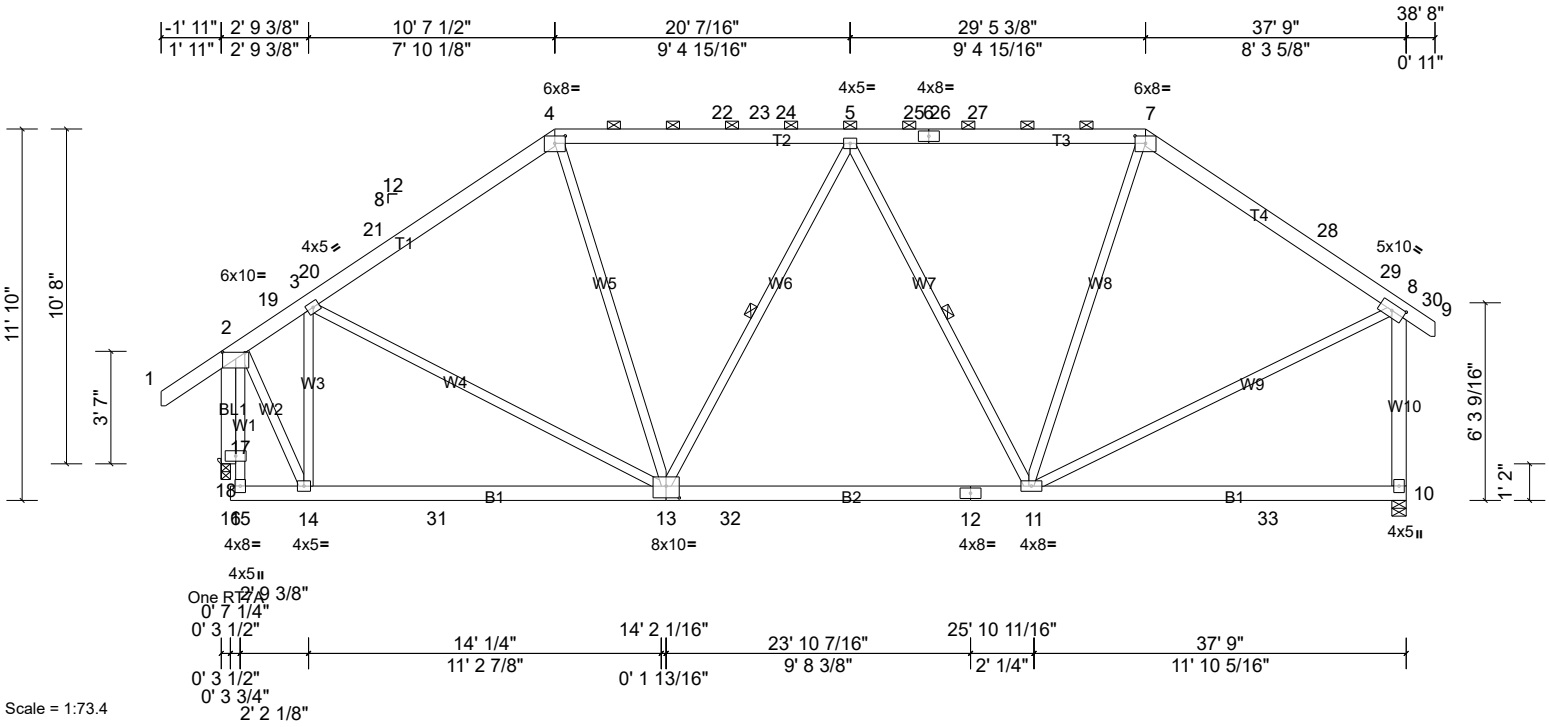
FASTENER INSTALLATION – 2 ROWS (FROM ONE FACE)



Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	A1	Piggyback Base	4	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:25 — Page: 1

ID:HxQ6YJNKN98LVg1CHcI7hWz8hzU-bG9YII9qMA_Z2lXQi1NmWTgIbHsj9WTmB1qC1yz8KtS



Scale = 1:73.4

Plate Offsets (X, Y): [2:0' 1 1/2",0' 1/4"], [4:0' 4",0' 2 13/16"], [7:0' 4",0' 2 13/16"], [8:0' 4 15/16",0' 2 1/2"], [13:0' 5",0' 4 1/2"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.84	Vert(LL)	-0.18	11-13	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.79	Vert(CT)	-0.26	11-13	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.04	10	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 345 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.2 *Except* W1,W2,W3:2x4 SP No.3, W10:2x6 SP No.2
OTHERS	2x6 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-0-13 oc purlins, except end verticals, and 2-0-0 oc purlins (5-2-9 max.): 4-7.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 5-13, 5-11

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

REACTIONS (lb/size) 10=1557/0' 5 1/2", (min. 0' 2 1/8"), 18=1614/0' 3 1/2", (min. 0' 1 1/2")
Max Horiz 18=332 (LC 13)
Max Uplift 10=-163 (LC 15), 18=-191 (LC 14)
Max Grav 10=1791 (LC 6), 18=1821 (LC 5)

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

TOP CHORD 2-19=-926/134, 3-19=-872/140, 3-20=-1605/184, 20-21=-1598/201, 4-21=-1550/237, 4-22=-1425/243, 22-23=-1425/243, 23-24=-1425/243, 5-24=-1425/243, 5-25=-1319/244, 6-25=-1319/244, 6-26=-1319/244, 26-27=-1319/244, 7-27=-1319/244, 7-28=-1444/236, 28-29=-1493/200, 8-29=-1505/182, 8-10=-1568/220

BOT CHORD 14-15=-225/312, 14-31=-213/863, 13-31=-213/863, 13-32=-245/1557, 12-32=-245/1557, 11-12=-245/1557

WEBS 8-11=-135/1294, 4-13=-4/487, 5-13=-397/225, 3-13=-117/630, 5-11=-601/230, 7-11=-12/448, 2-14=-71/1392, 3-14=-935/212, 2-18=-1834/191

NOTES

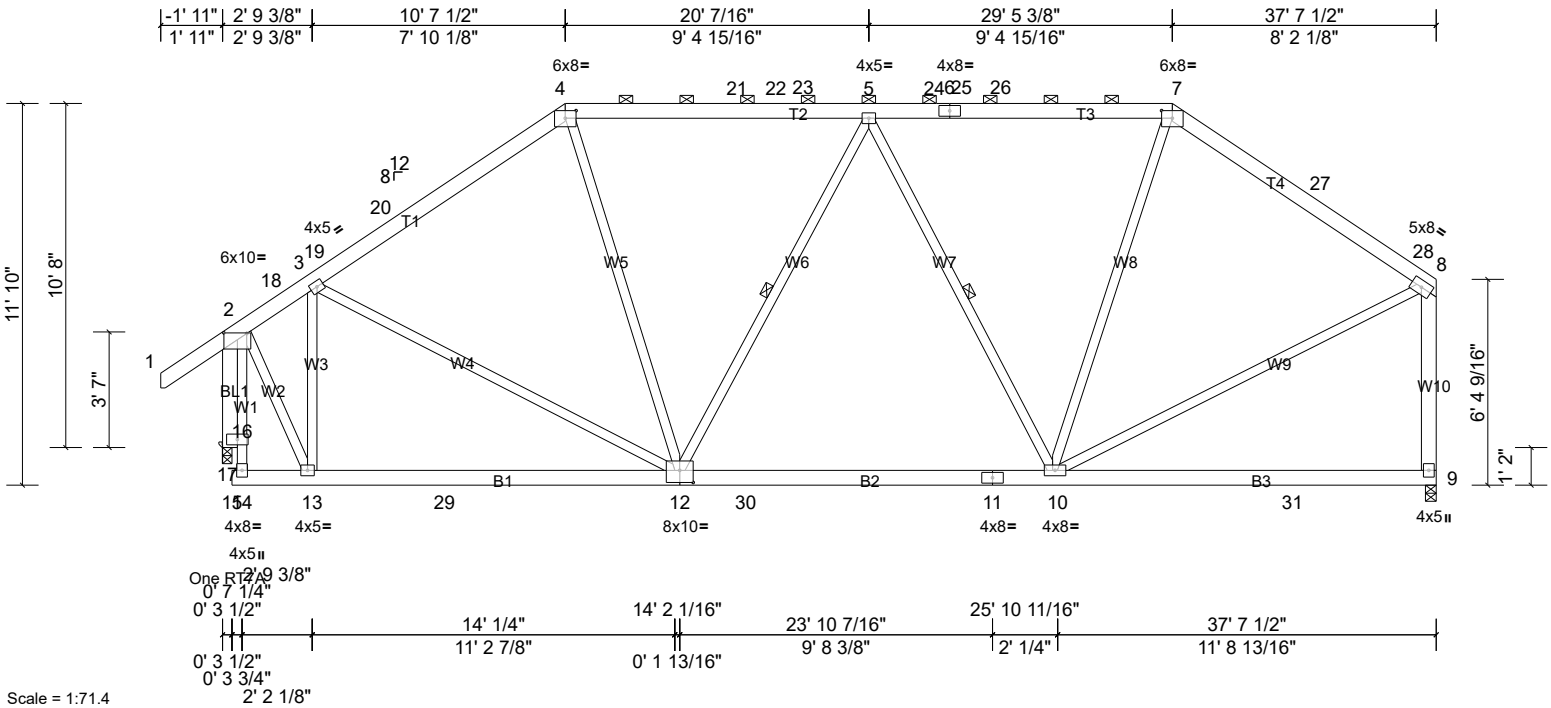
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-10-3 to 1-11-2, Interior (1) 1-11-2 to 5-3-7, Exterior(2R) 5-3-7 to 15-11-9, Interior (1) 15-11-9 to 24-1-4, Exterior(2R) 24-1-4 to 34-9-14, Exterior(2E) 34-9-14 to 38-7-3 zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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.
9) Bearing at joint(s) 18 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 10 and 18. This connection is for uplift only and does not consider lateral forces.
11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	A2	Piggyback Base	2	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:26 — Page: 1

ID:u97ysgDk1Ml?CoVNYT?Ei3z8hvp-3TjwzdAS7T6Qfv6cGlu?2hCUVhC7uzjvPhZlZPz8KtR



Scale = 1:71.4

Plate Offsets (X, Y): [2:0' 1 1/2",0' 1/4"], [4:0' 4",0' 2 13/16"], [7:0' 4",0' 2 13/16"], [12:0' 5",0' 4 1/2"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.83	Vert(LL)	-0.18	10-12	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.78	Vert(CT)	-0.26	10-12	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.04	9	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 342 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.2 *Except* W1,W3,W2:2x4 SP No.3, W10:2x6 SP No.2
OTHERS	2x6 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-3-12 oc purlins, except end verticals, and 2-0-0 oc purlins (5-2-11 max.): 4-7.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 5-12, 5-10

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

REACTIONS (lb/size) 9=1487/0' 4", (min. 0' 2 1/16"), 17=1610/0' 3 1/2", (min. 0' 1 1/2")
Max Horiz 17=327 (LC 13)
Max Uplift 9=-144 (LC 15), 17=-189 (LC 14)
Max Grav 9=1732 (LC 6), 17=1816 (LC 5)

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

TOP CHORD 2-18=-924/122, 3-18=-870/127, 3-19=-1599/180, 19-20=-1592/197, 4-20=-1544/232, 4-21=-1418/236, 21-22=-1418/236, 22-23=-1418/236, 5-23=-1418/236, 5-24=-1308/228, 6-24=-1308/228, 6-25=-1308/228, 25-26=-1308/228, 7-26=-1308/228, 7-27=-1430/220, 27-28=-1481/192, 8-28=-1491/166, 8-9=-1512/201

BOT CHORD 13-14=-232/305, 13-29=-220/854, 12-29=-220/854, 12-30=-250/1548, 11-30=-250/1548, 10-11=-250/1548

WEBS 4-12=-2/483, 5-12=-391/223, 3-12=-117/627, 7-10=-8/445, 3-13=-932/213, 8-10=-135/1298, 5-10=-606/231, 2-13=-69/1388, 2-17=-1829/189

NOTES

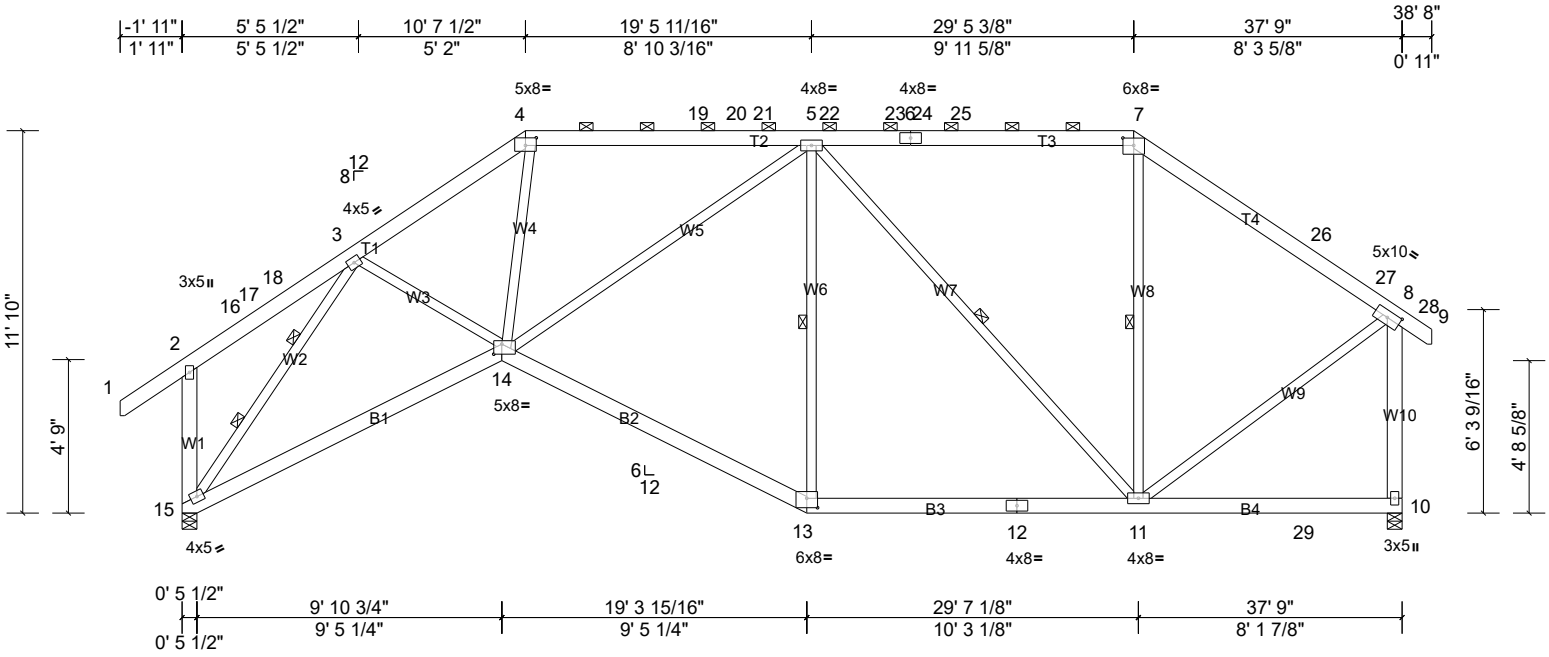
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-10-3 to 1-11-0, Interior (1) 1-11-0 to 5-3-10, Exterior(2R) 5-3-10 to 15-11-6, Interior (1) 15-11-6 to 24-1-8, Exterior(2R) 24-1-8 to 33-7-10, Exterior(2E) 33-7-10 to 37-4-12 zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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.
9) Bearing at joint(s) 17 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 9 and 17. This connection is for uplift only and does not consider lateral forces.
11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	A3	Piggyback Base	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:26 — Page: 1

ID:Oc4tZzqLeW19Cw9ealiaxoz8hfX-3TjwzdAS7T6Qfv6cGlu?2hCTAhE_uwvvPhZlZPz8KtR



Scale = 1:71.3

Plate Offsets (X, Y): [4:0' 4",0' 2 13/16"], [7:0' 4",0' 2 3/4"], [8:0' 4 15/16",0' 2 1/2"], [13:0' 4",0' 3 1/2"], [14:0' 3",0' 3 3/4"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.85	Vert(LL)	-0.17	11-13	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.66	Vert(CT)	-0.28	11-13	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.15	10	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 338 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3 *Except* W5,W6,W8,W7:2x4 SP No.2, W1,W10:2x6 SP No.2

REACTIONS (lb/size) 10=1554/0' 5 1/2", (min. 0' 2 1/16"), 15=1619/0' 5 1/2", (min. 0' 1 13/16")
Max Horiz 15=362 (LC 13)
Max Uplift 10=-168 (LC 15), 15=-194 (LC 14)
Max Grav 10=1736 (LC 3), 15=1757 (LC 5)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-6-9 oc purlins, except end verticals, and 2-0-0 oc purlins (4-4-1 max.): 4-7.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 5-13, 7-11, 5-11
WEBS	2 Rows at 1/3 pts 3-15

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 3-4=-2479/384, 4-19=-1933/333, 19-20=-1933/333, 20-21=-1933/333, 5-21=-1933/333, 5-22=-1034/260, 22-23=-1034/260, 6-23=-1034/260, 6-24=-1034/260, 24-25=-1034/260, 7-25=-1034/260, 7-26=-1189/232, 26-27=-1295/196, 8-27=-1307/178, 2-15=-383/214, 8-10=-1624/199

BOT CHORD 14-15=-499/1648, 13-14=-311/1816, 12-13=-259/1564, 11-12=-259/1564

WEBS 3-14=-18/911, 4-14=-93/1012, 5-14=-211/735, 5-13=-542/240, 7-11=-60/316, 3-15=-2288/229, 8-11=-112/1268, 5-11=-797/212

NOTES

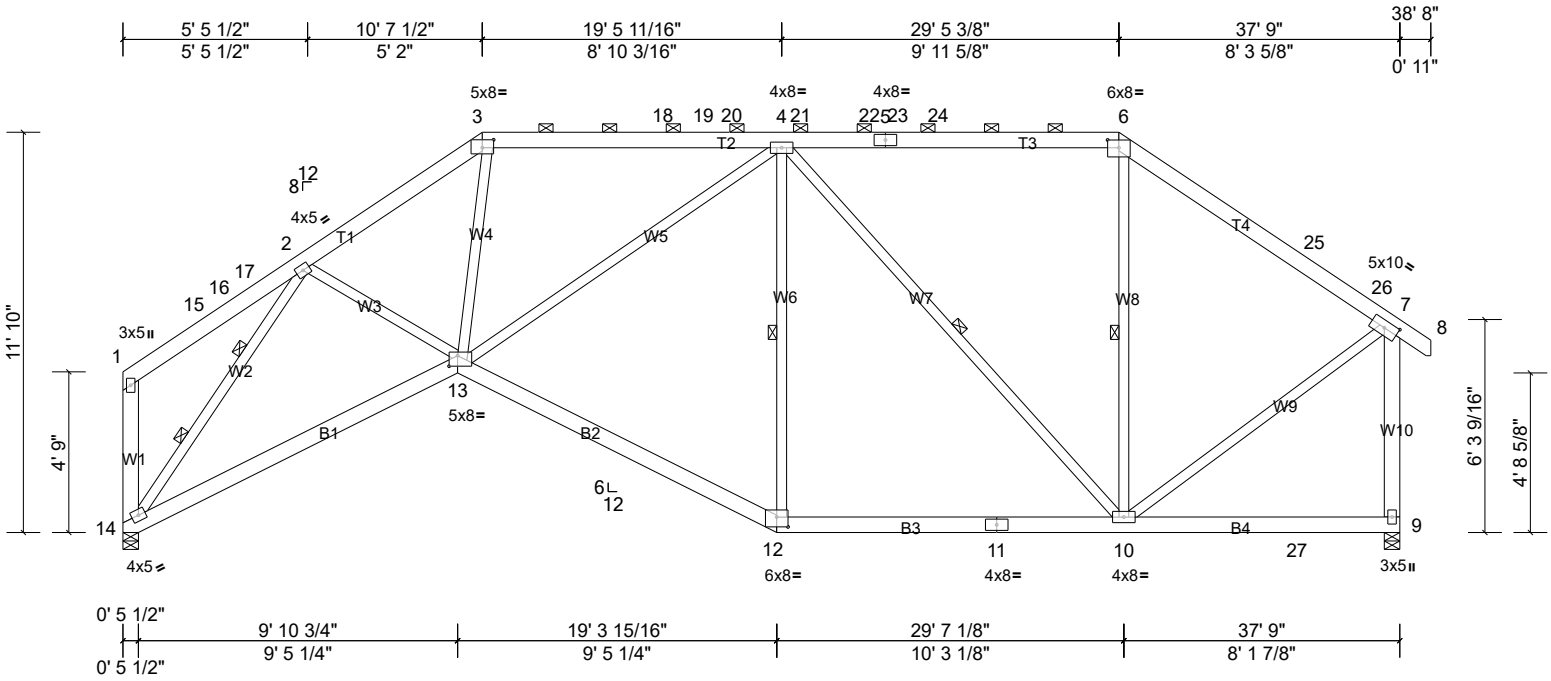
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-10-3 to 1-11-2, Interior (1) 1-11-2 to 5-2-14, Exterior(2R) 5-2-14 to 15-11-9, Interior (1) 15-11-9 to 24-1-4, Exterior(2R) 24-1-4 to 34-9-14, Exterior(2E) 34-9-14 to 38-7-3 zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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.
9) Bearing at joint(s) 15 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 15 and 10. This connection is for uplift only and does not consider lateral forces.
11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	A4	Piggyback Base	3	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:27 — Page: 1

ID:h26DIckO_ZTWiSO2UYYAUdz8heM-XfHIAzB4unEHH3hoqSPEbulew5aDdN93eLJJ5rz8KtQ



Scale = 1:68.1

Plate Offsets (X, Y): [3:0' 4",0' 2 13/16"], [6:0' 4",0' 2 3/4"], [7:0' 4 15/16",0' 2 1/2"], [12:0' 4",0' 3 1/2"], [13:0' 3",0' 3 3/4"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.85	Vert(LL)	-0.17	10-12	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.66	Vert(CT)	-0.28	10-12	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.15	9	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 333 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3 *Except* W1,W10:2x6 SP No.2, W6,W5,W8,W7:2x4 SP No.2

REACTIONS (lb/size) 9=1557/0' 5 1/2", (min. 0' 2 1/16"), 14=1491/0' 5 1/2", (min. 0' 1 11/16")
Max Horiz 14=340 (LC 13)
Max Uplift 9=-166 (LC 15), 14=-157 (LC 14)
Max Grav 9=1739 (LC 3), 14=1650 (LC 5)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-6-8 oc purlins, except end verticals, and 2-0-0 oc purlins (4-3-14 max.): 3-6.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 4-12, 6-10, 4-10
WEBS	2 Rows at 1/3 pts 2-14

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	2-3=-2490/374, 3-18=-1940/325, 18-19=-1940/325, 19-20=-1940/325, 4-20=-1940/325, 4-21=-1035/258, 21-22=-1035/258, 5-22=-1035/258, 5-23=-1035/258, 23-24=-1035/258, 6-24=-1035/258, 6-25=-1191/231, 25-26=-1297/195, 7-26=-1308/177, 7-9=-1625/197
BOT CHORD	13-14=-487/1660, 12-13=-308/1819, 11-12=-256/1567, 10-11=-256/1567
WEBS	3-13=-88/1026, 2-13=-21/905, 4-12=-543/239, 4-13=-205/741, 6-10=-56/317, 2-14=-2324/253, 4-10=-800/209, 7-10=-110/1270

NOTES

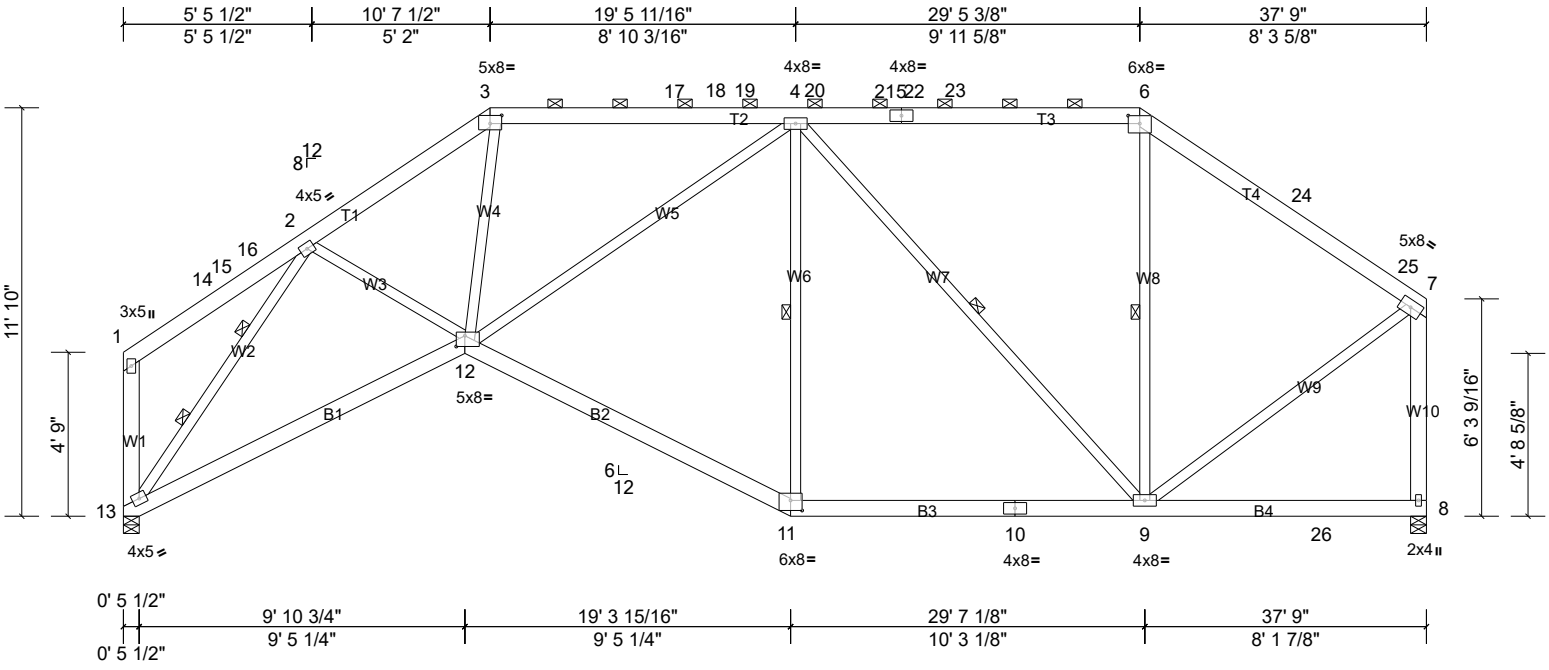
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-2-12 to 4-0-1, Interior (1) 4-0-1 to 5-2-14, Exterior(2R) 5-2-14 to 15-11-9, Interior (1) 15-11-9 to 24-1-4, Exterior(2R) 24-1-4 to 34-9-14, Exterior(2E) 34-9-14 to 38-7-3 zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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.
9) Bearing at joint(s) 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 9 and 14. This connection is for uplift only and does not consider lateral forces.
11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	A5	Piggyback Base	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:28 — Page: 1

ID:6uKnVS_xHi?g6XwuflvsHrz8he2-?rrhNJBif5M7vCG?NAwT86IpiUwRMqNCt?2sdHz8KtP



Scale = 1:66.7

Plate Offsets (X, Y): [3:0' 4",0' 2 13/16"], [6:0' 4",0' 2 3/4"], [11:0' 4",0' 3 1/2"], [12:0' 3",0' 3 3/4"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.85	Vert(LL)	-0.17	9-11	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.66	Vert(CT)	-0.28	9-11	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.15	8	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 331 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3 *Except* W1,W10:2x6 SP No.2, W6,W5,W8,W7:2x4 SP No.2

REACTIONS (lb/size) 8=1492/0' 5 1/2", (min. 0' 2"), 13=1492/0' 5 1/2", (min. 0' 1 11/16")
Max Horiz 13=336 (LC 11)
Max Uplift 8=-149 (LC 15), 13=-155 (LC 14)
Max Grav 8=1706 (LC 6), 13=1650 (LC 5)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-6-8 oc purlins, except end verticals, and 2-0-0 oc purlins (4-4-1 max.): 3-6.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 4-11, 6-9, 4-9
WEBS	2 Rows at 1/3 pts 2-13

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	2-3=-2491/378, 3-17=-1940/328, 17-18=-1940/328, 18-19=-1940/328, 4-19=-1940/328, 4-20=-1037/244, 20-21=-1037/244, 5-21=-1037/244, 5-22=-1037/244, 22-23=-1037/244, 6-23=-1037/244, 6-24=-1190/210, 24-25=-1294/181, 7-25=-1308/156, 7-8=-1571/179
BOT CHORD	12-13=-497/1648, 11-12=-313/1820, 10-11=-261/1567, 9-10=-261/1567
WEBS	3-12=-91/1026, 2-12=-23/905, 4-11=-543/241, 4-12=-211/734, 6-9=-71/317, 2-13=-2325/260, 4-9=-798/211, 7-9=-109/1275

NOTES

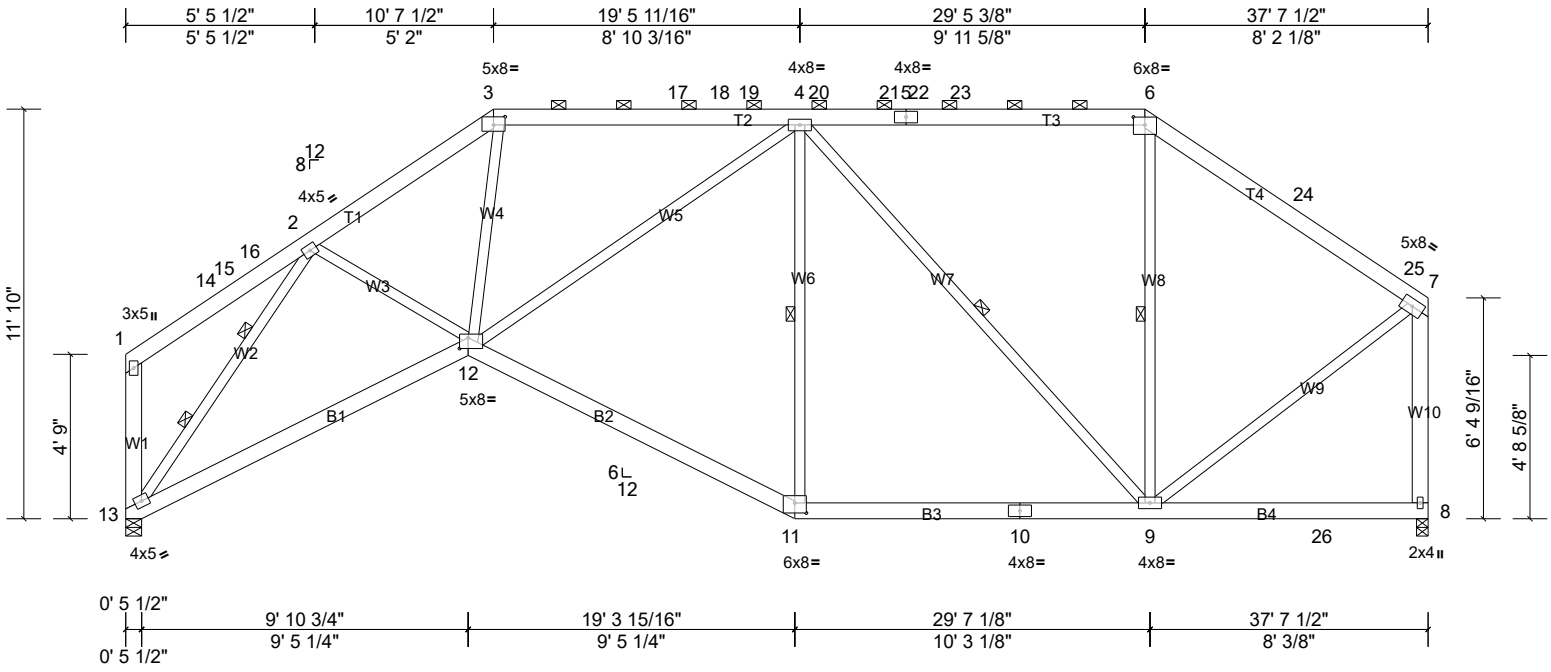
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-2-12 to 4-0-1, Interior (1) 4-0-1 to 5-2-14, Exterior(2R) 5-2-14 to 15-11-9, Interior (1) 15-11-9 to 24-1-4, Exterior(2R) 24-1-4 to 33-8-15, Exterior(2E) 33-8-15 to 37-6-4 zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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, with BCDL = 10.0psf.
8) Bearing at joint(s) 13 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 8 and 13. This connection is for uplift only and does not consider lateral forces.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	A6	Piggyback Base	2	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:28 — Page: 1

ID:auTRPEcY1gYILWuuhgr3Ooz8hdE-?rrhNJBif5M7vCG?NAwT86IpgUwSMqECt?2sdHz8KtP



Scale = 1:66.6

Plate Offsets (X, Y): [3:0' 4",0' 2 13/16"], [6:0' 4",0' 2 3/4"], [11:0' 4",0' 3 1/2"], [12:0' 3",0' 3 3/4"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.85	Vert(LL)	-0.17	9-11	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.66	Vert(CT)	-0.28	9-11	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.83	Horz(CT)	0.15	8	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 330 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3 *Except* W1,W10:2x6 SP No.2, W6,W5,W8,W7:2x4 SP No.2

REACTIONS (lb/size) 8=1487/0' 4", (min. 0' 2"), 13=1487/0' 5 1/2", (min. 0' 1 11/16")
Max Horiz 13=337 (LC 11)
Max Uplift 8=-148 (LC 15), 13=-155 (LC 14)
Max Grav 8=1701 (LC 6), 13=1645 (LC 5)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-6-9 oc purlins, except end verticals, and 2-0-0 oc purlins (4-4-1 max.): 3-6.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 4-11, 6-9, 4-9
WEBS	2 Rows at 1/3 pts 2-13

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	2-3=-2481/379, 3-17=-1932/329, 17-18=-1932/329, 18-19=-1932/329, 4-19=-1932/329, 4-20=-1022/242, 20-21=-1022/242, 5-21=-1022/242, 5-22=-1022/242, 22-23=-1022/242, 6-23=-1022/242, 6-24=-1173/209, 24-25=-1276/181, 7-25=-1289/156, 7-8=-1570/178
BOT CHORD	12-13=-498/1643, 11-12=-314/1810, 10-11=-262/1558, 9-10=-262/1558
WEBS	3-12=-91/1021, 2-12=-23/901, 4-11=-539/242, 4-12=-212/735, 6-9=-74/310, 2-13=-2316/260, 4-9=-806/211, 7-9=-109/1272

NOTES

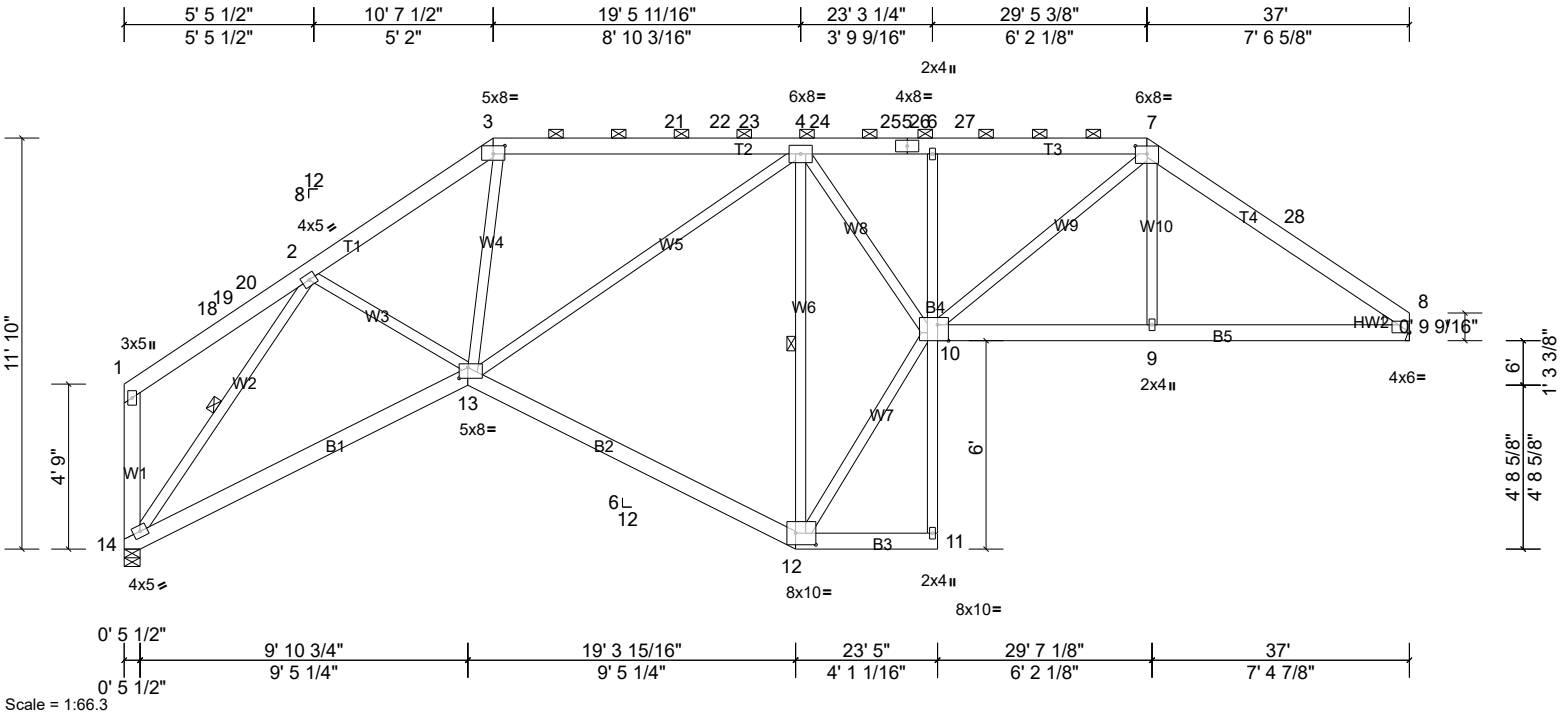
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-2-12 to 3-11-14, Interior (1) 3-11-14 to 5-2-14, Exterior(2R) 5-2-14 to 15-11-6, Interior (1) 15-11-6 to 24-1-8, Exterior(2R) 24-1-8 to 33-7-10, Exterior(2E) 33-7-10 to 37-4-12 zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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, with BCDL = 10.0psf.
8) Bearing at joint(s) 13 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 8 and 13. This connection is for uplift only and does not consider lateral forces.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	A7	Piggyback Base	3	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:29 — Page: 1

ID:eKwzi_CHUkjLj28J3TDYt8z8hcT-U2P3bfCKQOU_WMrBxtRigJq0zuIu5FSL6foQAjz8KtO



Scale = 1:66.3

Plate Offsets (X, Y): [3:0' 4",0' 2 13/16"], [7:0' 4",0' 2 3/4"], [8:Edge,0' 1/4"], [10:0' 3 3/4",Edge], [12:0' 7",0' 4"], [13:0' 3",0' 3 3/4"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.75	Vert(LL)	-0.17	11	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.52	Vert(CT)	-0.32	12-13	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.96	Horz(CT)	0.26	8	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 317 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2 *Except* B4:2x4 SP No.2
WEBS	2x4 SP No.3 *Except* W1:2x6 SP No.2, W6:2x4 SP 2400F 2.0E, W5,W7:2x4 SP No.2
WEDGE	Right: 2x4 SP No.3

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-5-11 oc purlins, except end verticals, and 2-0-0 oc purlins (3-7-9 max.): 3-7.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 4-12, 2-14

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

REACTIONS (lb/size) 8=1471/ Mechanical, (min. 0' 1 1/2"), 14=1471/0' 5 1/2", (min. 0' 1 9/16")
Max Horiz 14=-259 (LC 12)
Max Uplift 8=-140 (LC 15), 14=-145 (LC 14)
Max Grav 8=1500 (LC 21), 14=1505 (LC 20)

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

TOP CHORD	2-3=-2277/362, 3-21=-1794/346, 21-22=-1794/346, 22-23=-1794/346, 4-23=-1794/346, 4-24=-2705/284, 24-25=-2705/284, 5-25=-2705/284, 5-26=-2705/284, 6-26=-2705/284, 6-27=-2721/287, 7-27=-2721/287, 7-28=-2199/223, 8-28=-2316/198
BOT CHORD	13-14=-360/1398, 12-13=-218/1609, 6-10=-337/111, 9-10=-107/1856, 8-9=-104/1860
WEBS	3-13=-35/779, 2-13=-51/829, 4-12=-2714/444, 4-13=-161/623, 7-9=0/289, 2-14=-2163/337, 4-10=-207/2202, 10-12=-320/2589, 7-10=-256/1147

NOTES

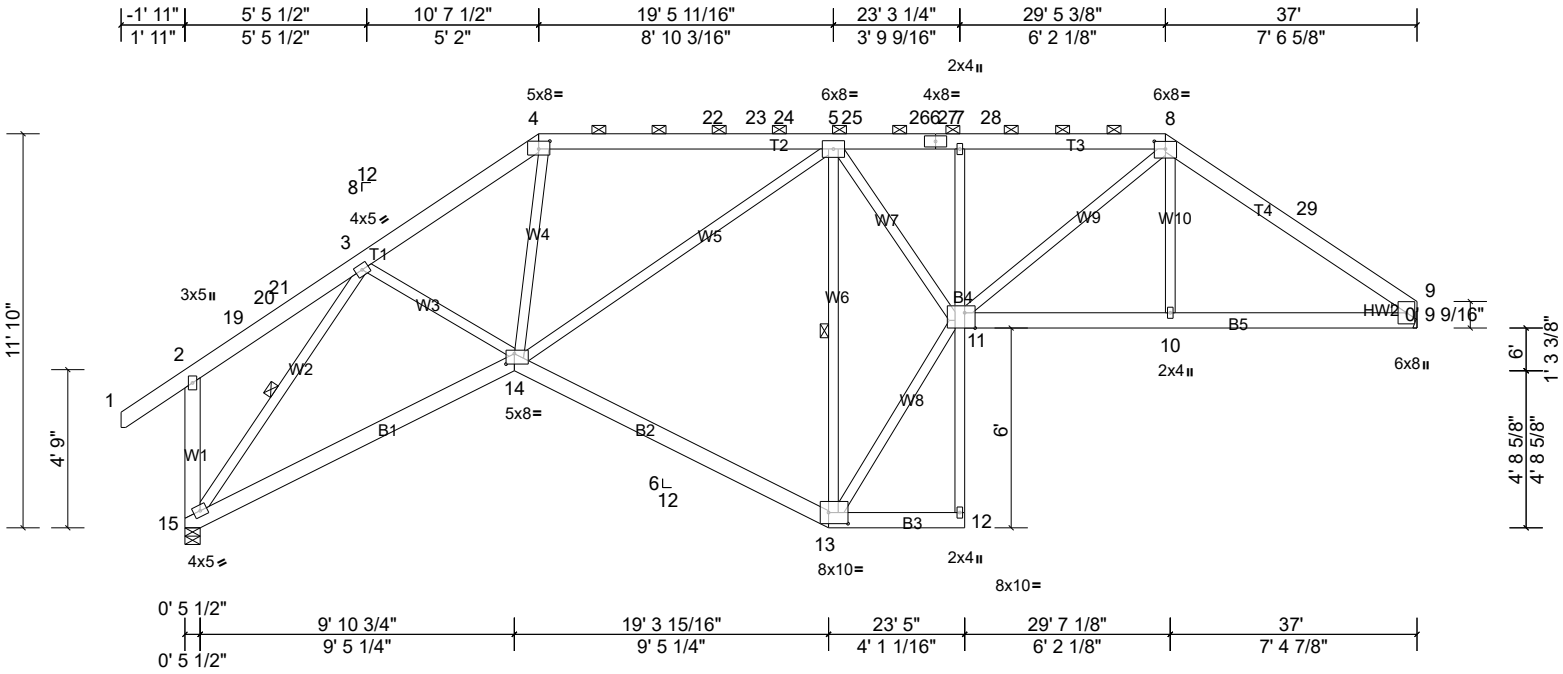
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-2-12 to 3-11-2, Interior (1) 3-11-2 to 5-2-14, Exterior(2R) 5-2-14 to 15-10-5, Interior (1) 15-10-5 to 24-2-9, Exterior(2R) 24-2-9 to 33-3-10, Exterior(2E) 33-3-10 to 37-0-0 zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) Refer to girder(s) for truss to truss connections.
9) Bearing at joint(s) 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 140 lb uplift at joint 8.
11) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 14. This connection is for uplift only and does not consider lateral forces.
12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	A8	Piggyback Base	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:29 — Page: 1

ID:48xD8mj7kKoz2sT5hRR5mnz8hZE-U2P3bfCKQOU_WMrBxtRigJq02uJd5FiL6foQAjz8KtO



Scale = 1:69.2

Plate Offsets (X, Y): [4:0' 4",0' 2 13/16"], [8:0' 4",0' 2 3/4"], [11:0' 3 3/4",Edge], [13:0' 7",0' 4"], [14:0' 3",0' 3 3/4"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.75	Vert(LL)	-0.17	12	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.47	Vert(CT)	-0.32	13-14	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.94	Horz(CT)	0.26	9	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 322 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2 *Except* B4:2x4 SP No.2
WEBS	2x4 SP No.3 *Except* W1:2x6 SP No.2, W5,W8:2x4 SP No.2, W6:2x4 SP 2400F 2.0E
WEDGE	Right: 2x4 SP No.3

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-5-15 oc purlins, except end verticals, and 2-0-0 oc purlins (3-7-13 max.): 4-8.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 5-13, 3-15

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

REACTIONS (lb/size) 9=1467/ Mechanical, (min. 0' 1 1/2"), 15=1599/0' 5 1/2", (min. 0' 1 11/16")
Max Horiz 15=-270 (LC 12)
Max Uplift 9=-142 (LC 15), 15=-182 (LC 14)
Max Grav 9=1498 (LC 22), 15=1633 (LC 21)

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

TOP CHORD	3-4=-2265/378, 4-22=-1787/360, 22-23=-1787/360, 23-24=-1787/360, 5-24=-1787/360, 5-25=-2700/289, 25-26=-2700/289, 6-26=-2700/289, 6-27=-2700/289, 7-27=-2700/289, 7-28=-2716/292, 8-28=-2716/292, 8-29=-2198/229, 9-29=-2307/204, 2-15=-361/218
BOT CHORD	14-15=-380/1369, 13-14=-221/1605, 7-11=-336/112, 10-11=-110/1855, 9-10=-107/1859
WEBS	4-14=-40/763, 3-14=-48/836, 5-14=-172/615, 5-13=-2708/450, 8-10=0/289, 3-15=-2124/301, 5-11=-210/2198, 11-13=-326/2583, 8-11=-259/1141

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-10-3 to 1-10-4, Interior (1) 1-10-4 to 5-2-14, Exterior(2R) 5-2-14 to 15-10-5, Interior (1) 15-10-5 to 24-2-9, Exterior(2R) 24-2-9 to 33-3-10, Exterior(2E) 33-3-10 to 37-0-0 zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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.
9) Refer to girder(s) for truss to truss connections.
10) Bearing at joint(s) 15 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 142 lb uplift at joint 9.
12) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 15. This connection is for uplift only and does not consider lateral forces.
13) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Continued on page 2

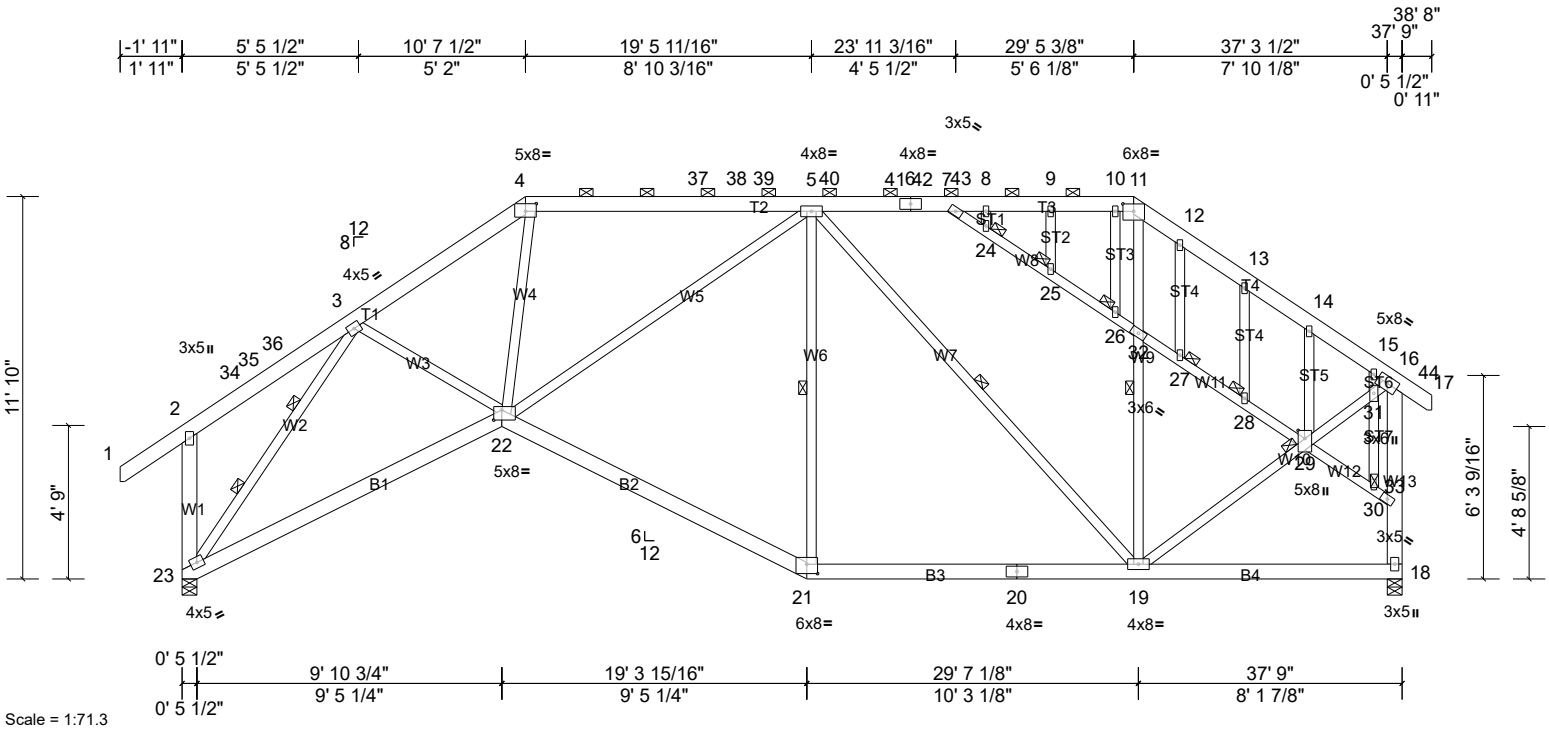
Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	A8	Piggyback Base	1	1	Job Reference (optional)

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	A9	Piggyback Base Structural Gable	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:30 — Page: 1

ID:or?_G4EDoxiVDhAhm8bU6Sz8hQp-yEzRo?DyBicr8WQNVbyxDXNAQIbwqkBVKJXziAz8KtN



Scale = 1:71.3

Plate Offsets (X, Y): [4:0' 4",0' 2 13/16"], [11:0' 4",0' 2 3/4"], [21:0' 4",0' 3 1/2"], [22:0' 3",0' 3 3/4"], [29:0' 3",0' 2 1/2"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.77	Vert(LL)	-0.17	19-21	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.66	Vert(CT)	-0.28	19-21	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.15	18	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 391 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3 *Except* W1,W13:2x6 SP No.2, W6,W5,W9,W7:2x4 SP No.2
OTHERS	2x4 SP No.3

REACTIONS (lb/size) 18=1554/0' 5 1/2", (min. 0' 2"), 23=1619/0' 5 1/2", (min. 0' 1 13/16")
Max Horiz 23=362 (LC 13)
Max Uplift 18=-168 (LC 15), 23=-194 (LC 14)
Max Grav 18=1718 (LC 6), 23=1755 (LC 5)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-6-9 oc purlins, except end verticals, and 2-0-0 oc purlins (4-2-15 max.): 4-11.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 5-21, 11-19, 5-19
WEBS	2 Rows at 1/3 pts 3-23
JOINTS	1 Brace at Jt(s): 24, 25, 26, 27, 28, 29, 30

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 3-4=-2477/385, 4-37=-1939/336, 37-38=-1939/336, 38-39=-1939/336, 5-39=-1939/336, 5-40=-1123/266, 40-41=-1123/266, 6-41=-1123/266, 6-42=-1123/266, 7-42=-1123/266, 7-43=-885/220, 8-43=-885/220, 8-9=-885/220, 9-10=-885/220, 10-11=-885/220, 11-12=-1020/201, 12-13=-1081/190, 13-14=-1124/171, 14-15=-1096/96, 15-16=-1104/91, 2-23=-384/215, 18-33=-1608/196, 16-33=-1366/94

BOT CHORD 22-23=-498/1645, 21-22=-304/1794, 20-21=-253/1544, 19-20=-253/1544

WEBS 4-22=-82/977, 3-22=-21/917, 5-21=-528/237, 5-22=-222/734, 19-32=-45/299, 11-32=-99/284, 3-23=-2281/227, 5-19=-650/153, 19-29=-124/1138, 29-31=-70/1220, 16-31=-72/1186, 14-29=-367/118, 7-24=-368/99, 24-25=-383/104, 25-26=-403/109, 26-32=-361/102, 27-32=-387/112, 27-28=-364/102, 28-29=-383/104, 29-30=-411/155, 30-33=-460/157

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-10-3 to 1-11-2, Interior (1) 1-11-2 to 5-2-14, Exterior(2R) 5-2-14 to 15-11-9, Interior (1) 15-11-9 to 24-1-4, Exterior(2R) 24-1-4 to 34-10-8, Interior (1) 34-10-8 to 38-7-3 zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
7) Provide adequate drainage to prevent water ponding.
8) All plates are 2x4 MT20 unless otherwise indicated.
9) Gable studs spaced at 2-0-0 oc.
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
11) * 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.

Continued on page 2

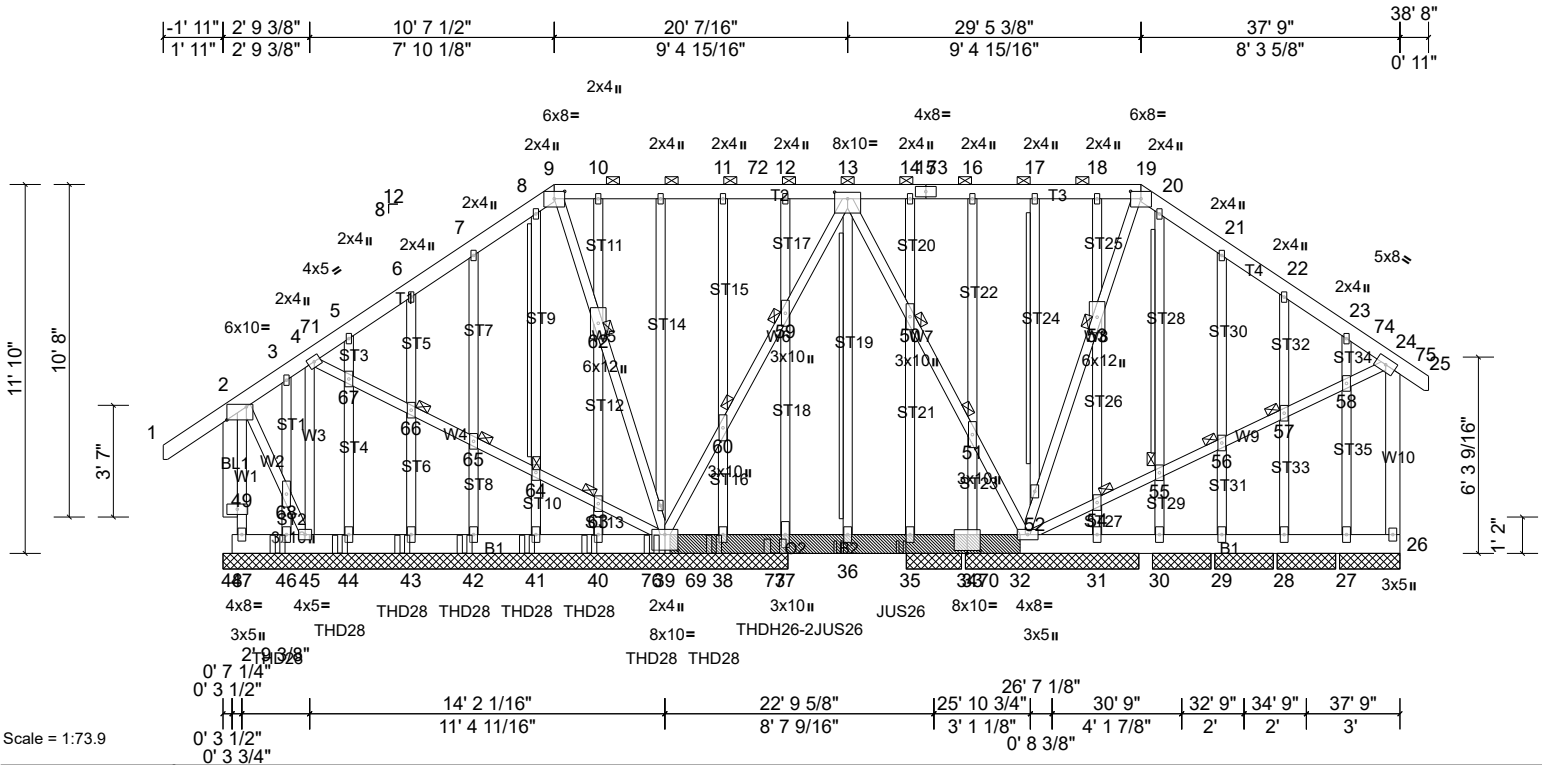
12) Bearing at joint(s) 23 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
13) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 18 and 23. This connection is for uplift only and does not consider lateral forces.
14) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
15) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	A10	Piggyback Base Girder	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:31 — Page: 1

ID:HxQ6YJNKN98LVg1CHcI7hWz8hzU-QQWp0LEay0kimg?Z3IUAlkwVCi4RZILeZzHWEcz8KtM



Scale = 1:73.9

Plate Offsets (X, Y): [2:0' 7 1/2 Edge], [9:0' 4",0' 2 13/16"], [13:0' 5",0' 2 1/2"], [19:0' 4",0' 2 13/16"], [34:0' 5",0' 1 1/8"], [39:0' 5",0' 6"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.19	Vert(LL)	0.00	39-40	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	0.00	39-40	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.36	Horz(CT)	0.00	26	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 651 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x8 SP 2400F 2.0E
WEBS	2x4 SP No.2 *Except* W1,W3,W2:2x4 SP No.3, W10:2x6 SP No.2
OTHERS	2x4 SP No.3 *Except* BL1:2x6 SP No.2, ST19,ST14:2x4 SP No.2, O3,O4,O5,O1:2x4 SPF No.2(flat)
LBR SCAB	39-32 SP 2400F 2.0E one side

REACTIONS All bearings 18' 1 7/16". except 26=1' 11 1/4", 27=1' 11 1/4", 32=5' 6 3/4", 33=5' 6 3/4", 31=5' 6 3/4", 35=1' 9 1/4", 30=1' 10 1/2", 29=1' 10 1/2", 28=1' 10 1/2"

(lb) - Max Horiz 48=361 (LC 11)

Max Uplift All uplift 100 (lb) or less at joint(s) 26, 27, 28, 29, 31, 32, 33, 46, 47, 48 except 37=-237 (LC 9), 44=-115 (LC 12), 45=-111 (LC 57)

Max Grav All reactions 250 (lb) or less at joint(s) 26, 27, 28, 29, 30, 32, 33, 45, 47, 48 except 31=294 (LC 36), 35=496 (LC 36), 37=2692 (LC 36), 38=1777 (LC 36), 39=1208 (LC 36), 40=1788 (LC 36), 41=1291 (LC 39), 42=1467 (LC 39), 43=1425 (LC 39), 44=1312 (LC 33), 46=1200 (LC 23)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (10-0-0 max.): 9-19.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 47-48.
WEBS	T-Brace: 2x4 SPF No.2 - 13-36, 17-52, 20-55, 8-64 Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c.,with 3in minimum end distance. Brace must cover 90% of web length.
JOINTS	1 Brace at Jt(s): 50, 51, 53, 54, 55, 56, 57, 59, 60, 62, 63, 64, 65, 66

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.

BOT CHORD 47-48=-361/335, 46-47=-343/278, 45-46=-343/278, 44-45=-284/236, 43-44=-284/236, 42-43=-284/236, 41-42=-284/236, 40-41=-284/236, 40-76=-284/236, 39-76=-284/236

WEBS 16-51=-256/70, 11-60=-315/86, 38-60=-309/86, 10-62=-284/74, 62-63=-274/75, 40-63=-273/78

NOTES

1) Attached 11-2-12 scab 32 to 39, back face(s) 2x8 SP 2400F 2.0E with 2 row(s) of 10d (0.131"x3") nails spaced 9" o.c.except : starting at 0-9-2 from end at joint 39, nail 2 row (s) at 4" o.c. for 10-6-6.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) 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.
5) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
6) Unbalanced snow loads have been considered for this design.
7) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
8) Provide adequate drainage to prevent water ponding.
9) All plates are 3x6 MT20 unless otherwise indicated.

Continued on page 2

10) Gable studs spaced at 2-0-0 oc.
11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
12) * 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.
13) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 26, 47, 48, 32, 45, 33, 31, 29, 28, 27, 37, 44, and 46. This connection is for uplift only and does not consider lateral forces.
14) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
15) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
16) Use MiTek THD28 (With 28-16d nails into Girder & 16-10d x 1-1/2 nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-9-0 from the left end to 15-9-0 to connect truss(es) F4 (1 ply 2x6 SP), F3 (1 ply 2x6 SP), F1 (1 ply 2x6 SP) to front face of bottom chord.
17) Use MiTek THDH26-2 (With 22-16d nails into Girder & 8-16d nails into Truss) or equivalent at 17-8-8 from the left end to connect truss(es) F2 (2 ply 2x6 SP) to front face of bottom chord.
18) Use MiTek JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 19-9-0 from the left end to 21-9-0 to connect truss(es) J04A (1 ply 2x6 SP) to front face of bottom chord.
19) Fill all nail holes where hanger is in contact with lumber.
20) WARNING: The following hangers are manually applied but fail due to geometric considerations: THD28 on front face at 3-9-0 from the left end, THD28 on front face at 5-9-0 from the left end, THD28 on front face at 7-9-0 from the left end, THD28 on front face at 9-9-0 from the left end, THD28 on front face at 11-9-0 from the left end, THD28 on front face at 13-9-0 from the left end, THD28 on front face at 15-9-0 from the left end.
21) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
22) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

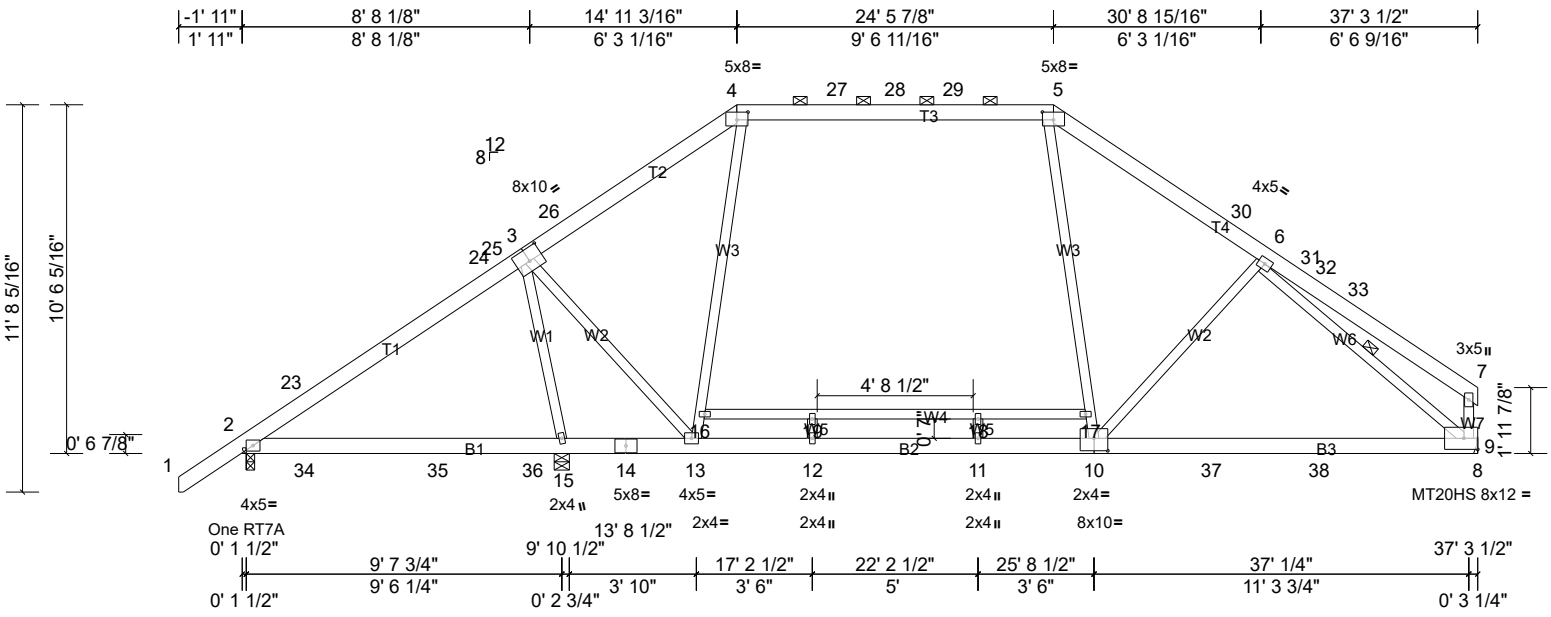
LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (lb/ft)
   Vert: 1-2=-60, 2-9=-60, 9-19=-60, 19-24=-60, 24-25=-60, 26-48=-20
   Concentrated Loads (lb)
   Vert: 36=-224 (F), 35=-224 (F), 38=-1212 (F), 40=-1212 (F), 41=-1212 (F), 42=-1212 (F), 43=-1187 (F), 44=-1095 (F), 46=-1095 (F), 76=-1212 (F), 77=-2581 (F)

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	B1	Piggyback Base	6	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:34 — Page: 1

ID:kya_mR0YsZdhMB37_7X_0Pz8gat-q?CyeNGTEw7Hd7j8kQ1tNNYpdvwemao5FxVArxz8KtJ



Scale = 1:69.5

Plate Offsets (X, Y): [3:0' 5",0' 4 1/2"], [4:0' 4",0' 2 13/16"], [5:0' 4",0' 2 13/16"], [10:0' 5",0' 4 1/2"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.95	Vert(LL)	0.09	15-22	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.87	Vert(CT)	-0.36	11-12	>916	180	MT20HS	187/143
TCDL	10.0	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.06	9	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 285 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2 *Except* T3:2x6 SP 2400F 2.0E
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3 *Except* W4:2x4 SP No.2

REACTIONS (lb/size) 2=1329/0' 3", (min. 0' 1 3/4"), 9=1463/ Mechanical, (min. 0' 1 1/2"), 15=487/0' 5 1/2", (min. 0' 1 1/2")
Max Horiz 2=250 (LC 11)
Max Uplift 2=-145 (LC 15), 9=-94 (LC 15), 15=-327 (LC 11)
Max Grav 2=1502 (LC 45), 9=1715 (LC 49), 15=897 (LC 41)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-9-9 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-5.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 6-9

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=-2105/272, 23-24=-2041/295, 24-25=-1927/315, 3-25=-1895/319, 3-26=-1899/171, 4-26=-1757/209, 4-27=-1389/199, 27-28=-1389/199, 28-29=-1389/199, 5-29=-1389/199, 5-30=-1754/161, 6-30=-1890/122, 32-33=-258/90, 7-33=-362/82, 7-9=-324/106
BOT CHORD	2-34=-78/1637, 34-35=-78/1637, 35-36=-78/1637, 15-36=-78/1637, 14-15=-131/1659, 13-14=-131/1659, 12-13=0/1378, 11-12=0/1378, 10-11=0/1378, 10-37=-43/1516, 37-38=-43/1516, 9-38=-43/1516
WEBS	6-9=-1800/48, 3-13=-305/358, 5-17=0/703, 10-17=0/684, 13-16=-30/720, 4-16=-16/736, 3-15=-826/231

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-10-3 to 1-10-9, Interior (1) 1-10-9 to 9-7-14, Exterior(2R) 9-7-14 to 29-9-2, Interior (1) 29-9-2 to 33-3-8, Exterior(2E) 33-3-8 to 37-0-4 zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
6) 200.0lb AC unit load placed on the bottom chord, 19-8-8 from left end, supported at two points, 5-0-0 apart.
7) Provide adequate drainage to prevent water ponding.
8) All plates are MT20 plates unless otherwise indicated.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * 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.
11) Refer to girder(s) for truss to truss connections.
12) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 2.
13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 94 lb uplift at joint 9.
14) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 15 and 2. This connection is for uplift only and does not consider lateral forces.
15) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Continued on page 2

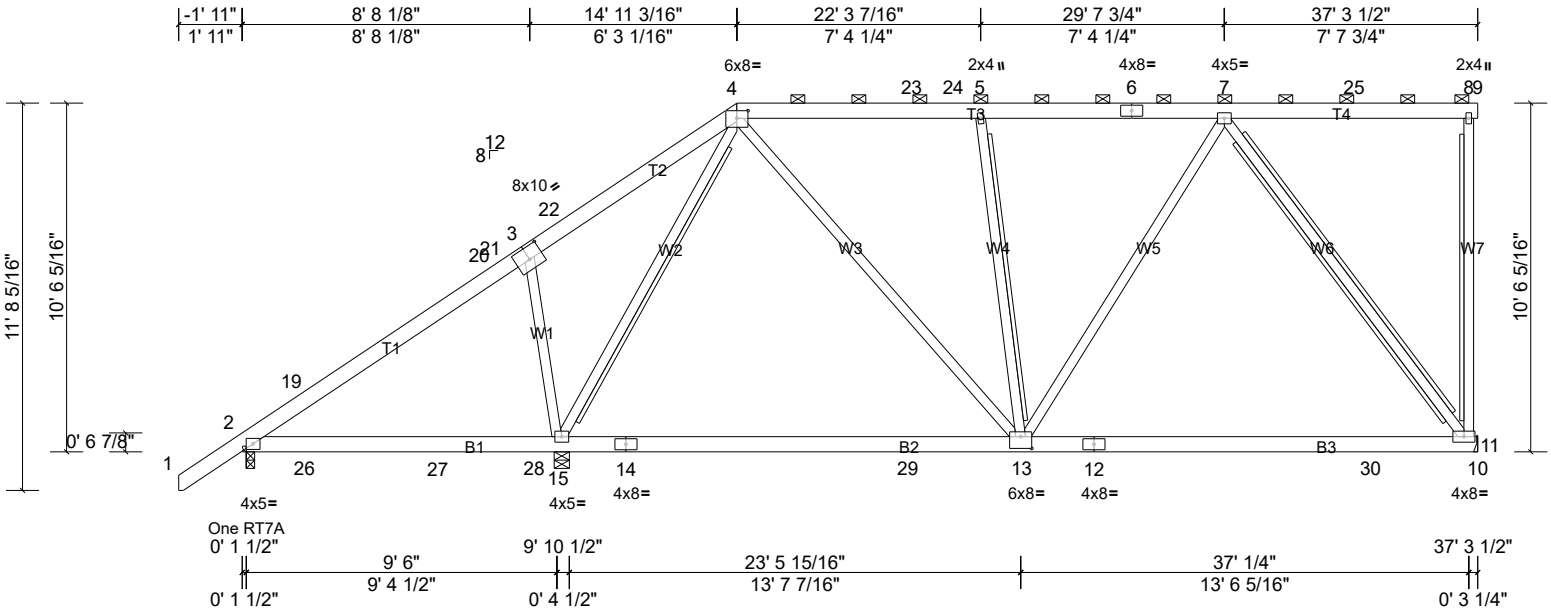
16) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	B2	Piggyback Base	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:34 — Page: 1

ID:?T0Mcu?UhSkfU8SbyVTwXVz8gX0-q?CyeNGTEw7Hd7j8kQ1tNNYufvy8mWa5FxVArxz8KtJ



Scale = 1:69.5

Plate Offsets (X, Y): [3:0' 5",0' 4 1/2"], [4:0' 4",0' 2 3/4"], [13:0' 4",0' 4 1/4"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.63	Vert(LL)	-0.39	11-13	>848	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.71	Vert(CT)	-0.61	11-13	>541	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.90	Horz(CT)	0.02	11	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 294 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2 *Except* B2:2x6 SP 2400F 2.0E
WEBS	2x4 SP No.2 *Except* W7,W1,W4:2x4 SP No.3
OTHERS	2x4 SPF No.2(flat)

REACTIONS (lb/size) 2=526/0' 3", (min. 0' 1 1/2"), 11=1129/ Mechanical, (min. 0' 1 1/2"), 15=1438/0' 5 1/2", (min. 0' 2 1/16")
Max Horiz 2=300 (LC 18)
Max Uplift 2=-29 (LC 11), 11=-190 (LC 11), 15=-190 (LC 11)
Max Grav 2=526 (LC 2), 11=1532 (LC 37), 15=1727 (LC 3)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (5-11-11 max.): 4-9.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	I-Brace: 2x4 SPF No.2 - 7-11
WEBS	T-Brace: 2x4 SPF No.2 - 8-11, 4-15, 5-13

Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c.,with 3in minimum end distance.
Brace must cover 90% of web length.

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	2-19=-341/83, 19-20=-289/17, 3-22=-285/27, 4-23=-1155/135, 23-24=-1155/135, 5-24=-1155/135, 5-6=-1095/111, 6-7=-1095/111, 8-11=-319/79
BOT CHORD	14-15=-123/606, 14-29=-123/606, 13-29=-123/606, 12-13=-127/774, 12-30=-127/774, 11-30=-127/774
WEBS	7-11=-1281/218, 4-15=-1010/102, 3-15=-604/307, 5-13=-584/196, 7-13=0/645, 4-13=-64/846

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-10-3 to 1-10-9, Interior (1) 1-10-9 to 9-7-14, Exterior(2R) 9-7-14 to 20-2-7, Interior (1) 20-2-7 to 33-6-12, Exterior(2E) 33-6-12 to 37-3-8 zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 190 lb uplift at joint 11.
11) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 15 and 2. This connection is for uplift only and does not consider lateral forces.
12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Continued on page 2

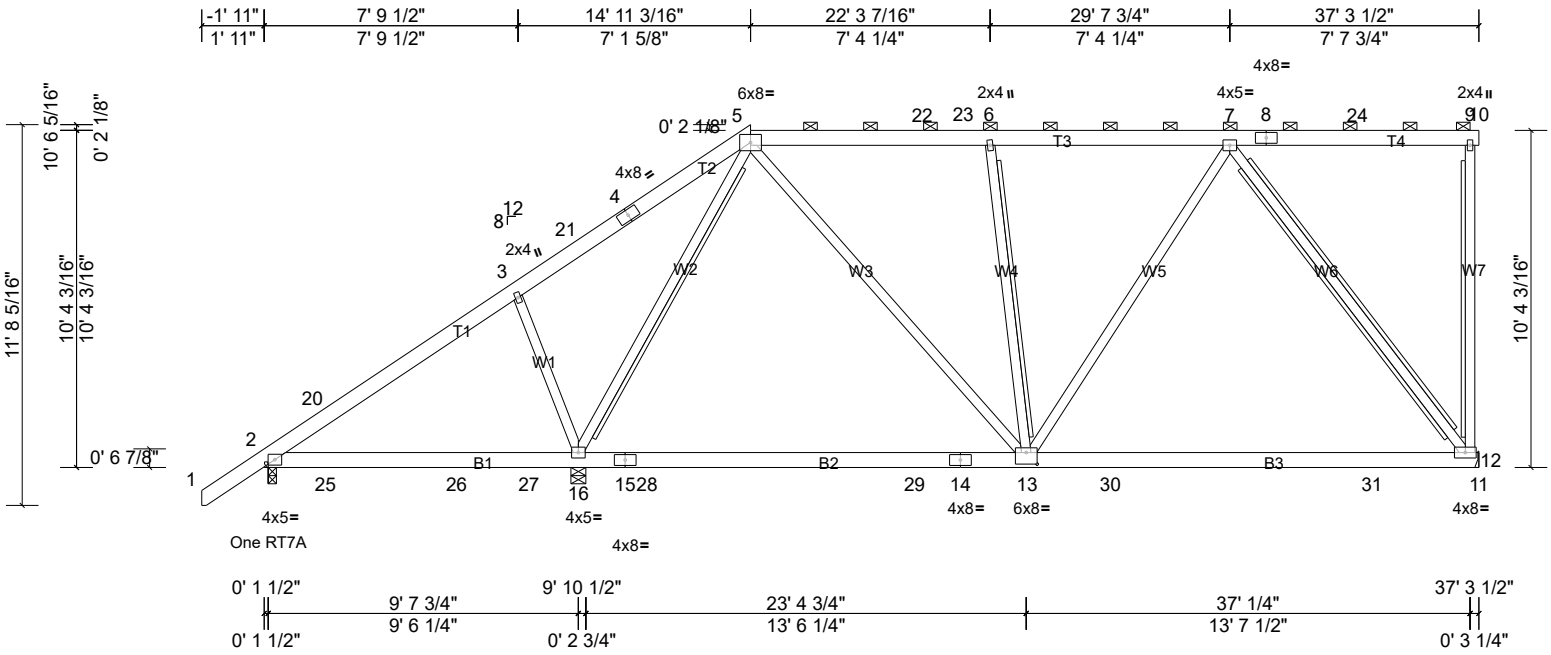
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
14) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	B3	Half Hip	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:35 — Page: 1

ID:FvK1A5AmXSIFTfd?xbAuHFz8gUD-ICmKriH5?EF8EHILI8Y6wa45HJJGV_IEUbFkNNz8KtI



Scale = 1:70.7

Plate Offsets (X, Y): [13:0' 4",0' 4 1/4"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.51	Vert(LL)	-0.30	12-13	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.65	Vert(CT)	-0.48	12-13	>687	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.02	12	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 292 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2 *Except* B3:2x6 SP 2400F 2.0E
WEBS	2x4 SP No.2 *Except* W7,W1,W4:2x4 SP No.3
OTHERS	2x4 SP No.2(flat)

REACTIONS (lb/size) 2=528/0' 3", (min. 0' 1 1/2"), 12=1124/ Mechanical, (min. 0' 1 1/2"), 16=1442/0' 5 1/2", (min. 0' 2 1/16")
Max Horiz 2=400 (LC 14)
Max Uplift 2=-33 (LC 11), 12=-189 (LC 11), 16=-188 (LC 11)
Max Grav 2=537 (LC 36), 12=1516 (LC 37), 16=1726 (LC 3)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-10.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	I-Brace: 2x4 SPF No.2 - 7-12
WEBS	T-Brace: 2x4 SPF No.2 - 9-12, 5-16, 6-13

Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c.,with 3in minimum end distance.
Brace must cover 90% of web length.

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	2-20=-365/52, 3-20=-293/18, 3-21=-281/9, 5-22=-1147/137, 22-23=-1148/137, 6-23=-1149/137, 6-7=-1091/114, 9-12=-319/79
BOT CHORD	2-25=-173/260, 25-26=-173/260, 26-27=-173/260, 16-27=-173/260, 15-16=-121/590, 15-28=-121/590, 28-29=-121/590, 14-29=-121/590, 13-14=-121/590, 13-30=-130/771, 30-31=-130/771, 12-31=-130/771
WEBS	3-16=-554/285, 5-16=-1061/124, 6-13=-587/199, 7-13=0/627, 5-13=-72/857, 7-12=-1266/219

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-10-3 to 1-10-9, Interior (1) 1-10-9 to 9-7-14, Exterior(2R) 9-7-14 to 20-2-7, Interior (1) 20-2-7 to 33-6-12, Exterior(2E) 33-6-12 to 37-3-8 zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 189 lb uplift at joint 12.
11) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 16 and 2. This connection is for uplift only and does not consider lateral forces.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	B3	Half Hip	1	1	Job Reference (optional)

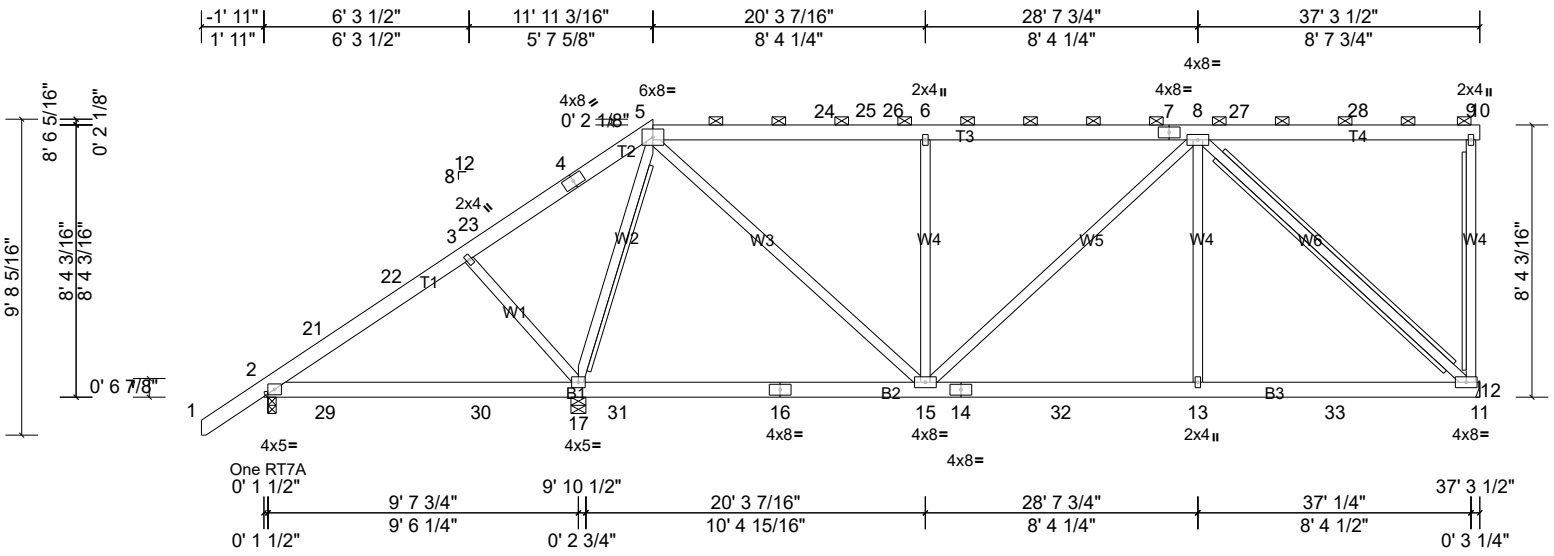
12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
14) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	B4	Half Hip	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:36 — Page: 1

ID:5UR8YT5V4JKh25HZmUXAEmz8gRk-mOKi32IjmYN?sRtXrr3LSodDujhOERbNjF_Hvpz8KtH



Scale = 1:70.7

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.64	Vert(LL)	0.09	17-20	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.46	Vert(CT)	-0.18	15-17	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.02	12	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 287 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3 *Except* W3,W5,W6:2x4 SP No.2
OTHERS	2x4 SP No.2(flat)

REACTIONS (lb/size) 2=427/0' 3", (min. 0' 1 1/2"), 12=1088/ Mechanical, (min. 0' 1 1/2"), 17=1579/0' 5 1/2", (min. 0' 2 3/16")
Max Horiz 2=326 (LC 14)
Max Uplift 2=-28 (LC 14), 12=-180 (LC 11), 17=-250 (LC 11)
Max Grav 2=496 (LC 21), 12=1441 (LC 37), 17=1838 (LC 37)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (5-3-0 max.): 5-10.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 2-17.
WEBS	I-Brace: 2x4 SPF No.2 - 8-12
WEBS	T-Brace: 2x4 SPF No.2 - 9-12, 5-17

Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c.,with 3in minimum end distance. Brace must cover 90% of web length.

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	2-21=-321/57, 21-22=-277/15, 5-24=-1144/158, 24-25=-1145/158, 25-26=-1145/158, 6-26=-1146/158, 6-7=-1144/157, 7-8=-1144/157, 9-12=-360/90
BOT CHORD	17-31=-76/283, 16-31=-76/283, 15-16=-76/283, 14-15=-145/1082, 14-32=-145/1082, 13-32=-145/1082, 13-33=-145/1082, 12-33=-145/1082
WEBS	3-17=-489/214, 5-17=-1314/213, 5-15=-133/1205, 6-15=-637/221, 8-13=0/489, 8-12=-1465/197

NOTES

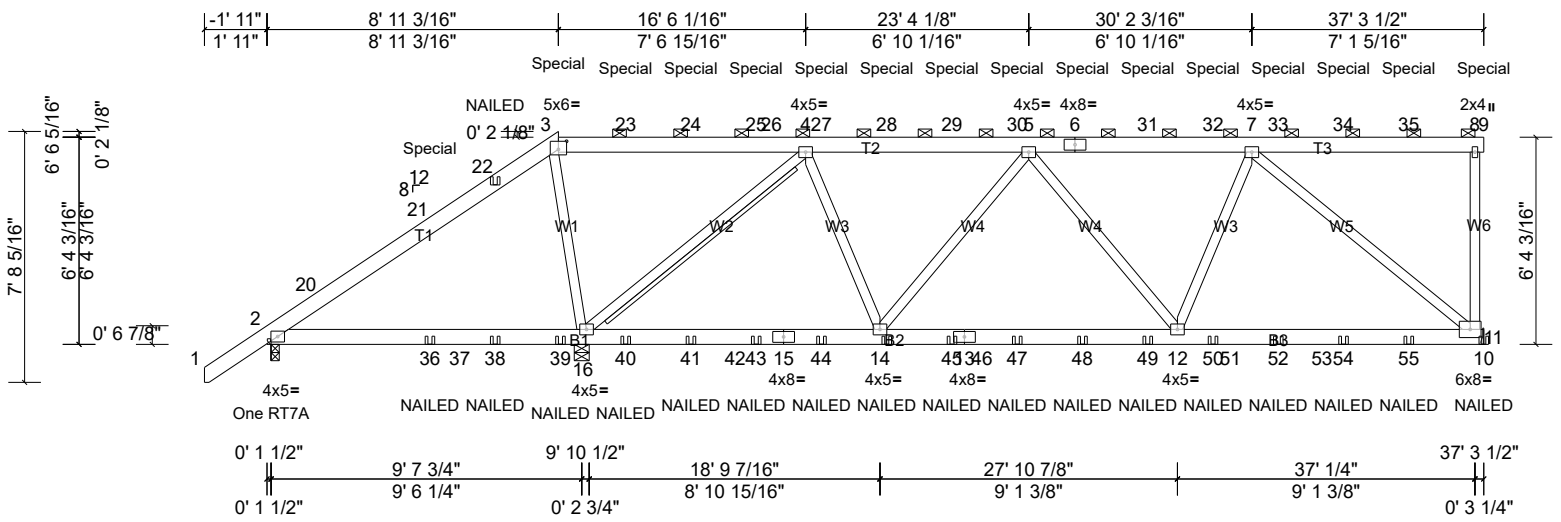
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-10-3 to 1-10-9, Interior (1) 1-10-9 to 6-7-14, Exterior(2R) 6-7-14 to 17-2-7, Interior (1) 17-2-7 to 33-6-12, Exterior(2E) 33-6-12 to 37-3-8 zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 180 lb uplift at joint 12.
11) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 17 and 2. This connection is for uplift only and does not consider lateral forces.
12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Continued on page 2

13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
14) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	B5	Half Hip Girder	1	**2**	Job Reference (optional)



Scale = 1:70.6

Plate Offsets (X, Y): [3:0' 3",0' 3"]

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x4 SPF No.2(flat)

REACTIONS (lb/size) 2=107/0' 3", (min. 0' 1 1/2"), 11=2531/ Mechanical, (min. 0' 1 1/2"), 16=4186/0' 5 1/2", (min. 0' 2 11/16")
Max Horiz 2=253 (LC 12)
Max Uplift 2=-228 (LC 53), 11=-884 (LC 9), 16=-1511 (LC 9)
Max Grav 2=290 (LC 19), 11=2808 (LC 43), 16=4600 (LC 43)

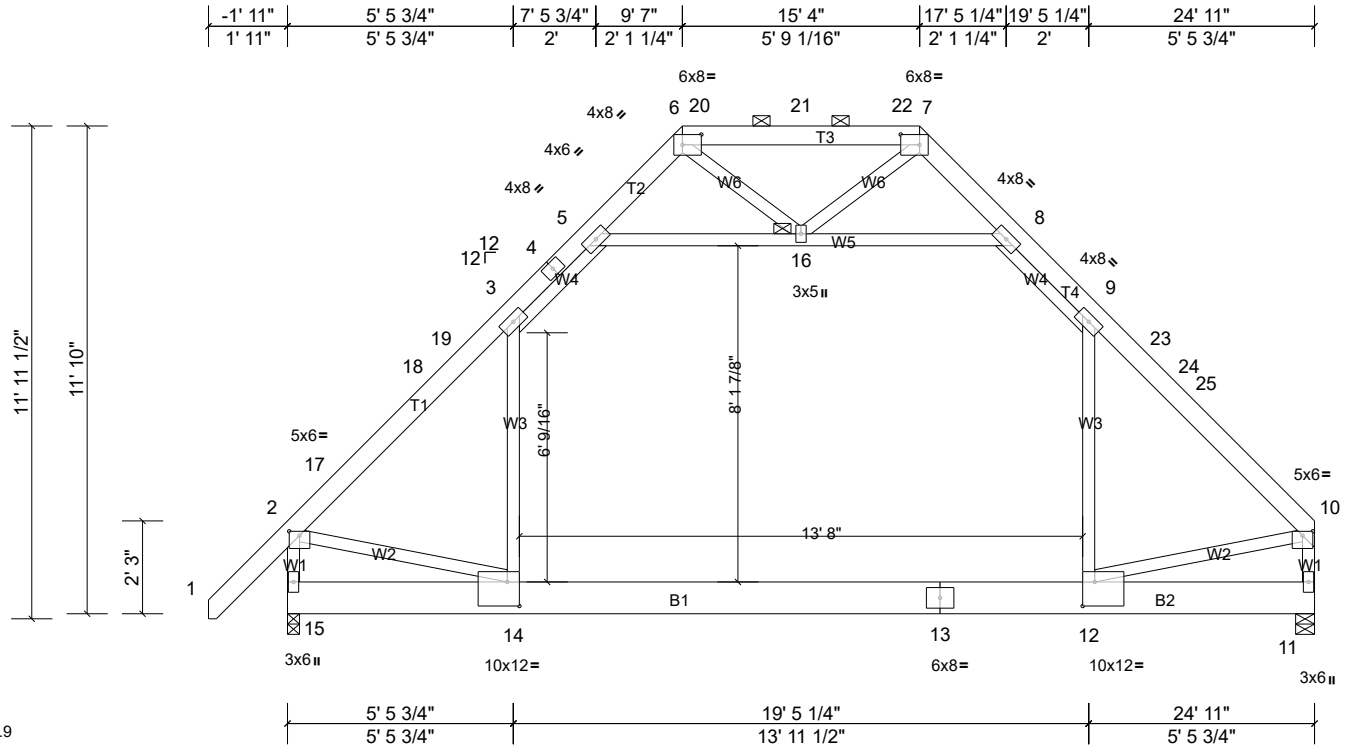
BRACING

TOP CHORD	Structural wood sheathing directly applied or 10-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-9.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 2-16.
WEBS	T-Brace: 2x4 SPF No.2 - 4-16 Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c.,with 3in minimum end distance. Brace must cover 90% of web length.

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	C1	Attic	4	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:41 — Page: 1

ID:NYvMWYUlvekpFHGZj?3471z8gNL-7L7b6mLsb4?HyClUeOfW9rK0KkRIvnw7sXi2b1z8KtC



Scale = 1:55.9

Plate Offsets (X, Y): [2:0' 3",0' 1 1/4"], [6:0' 5 1/2",0' 3"], [7:0' 5 1/2",0' 3"], [10:0' 3",0' 1 1/4"], [12:0' 3 1/2",0' 7"], [14:0' 3 1/2",0' 7"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.92	Vert(LL)	-0.24	12-14	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.35	Vert(CT)	-0.36	12-14	>816	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.01	11	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH		Attic	-0.16	12-14	>999	360		
BCDL	10.0										Weight: 256 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x10 SP 2400F 2.0E
WEBS	2x4 SP No.3 *Except* W5:2x4 SP No.2

REACTIONS (lb/size) 11=1190/0' 5 1/2", (min. 0' 1 1/2"), 15=1318/0' 3 1/2", (min. 0' 1 1/2")
Max Horiz 15=254 (LC 13)
Max Grav 11=1607 (LC 46), 15=1713 (LC 46)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS	1 Brace at Jt(s): 16

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	2-17=-1812/0, 17-18=-1691/0, 18-19=-1652/0, 3-19=-1614/0, 3-4=-1138/93, 4-5=-1039/112, 5-6=-499/135, 6-20=-323/160, 20-21=-323/160, 21-22=-323/160, 7-22=-323/160, 7-8=-496/133, 8-9=-1140/113, 9-23=-1601/0, 23-24=-1639/0, 24-25=-1678/0, 10-25=-1799/0, 2-15=-1820/0, 10-11=-1718/0
BOT CHORD	14-15=-260/308, 13-14=0/1170, 12-13=0/1170
WEBS	3-14=-20/822, 9-12=-41/807, 5-16=-1314/71, 8-16=-1313/70, 2-14=0/1146, 10-12=0/1134

NOTES

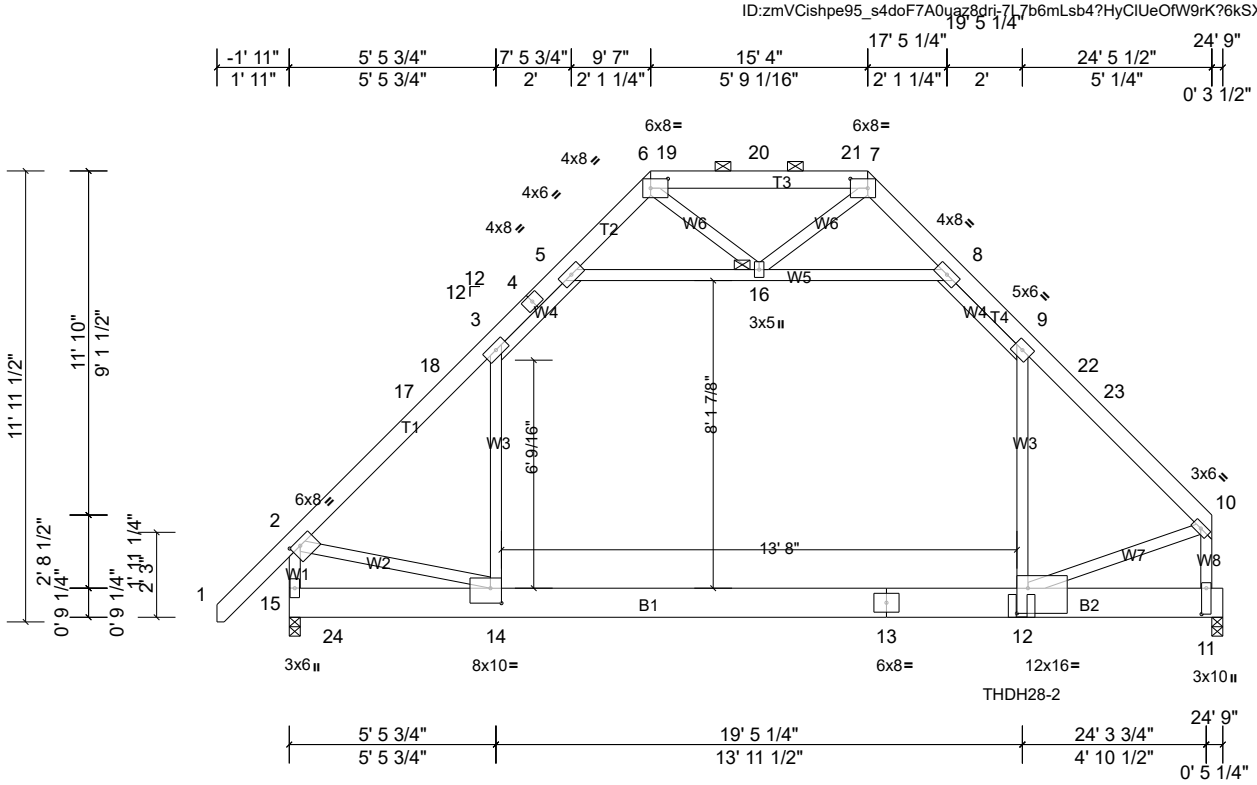
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-9-14 to 1-2-2, Interior (1) 1-2-2 to 5-4-1, Exterior(2R) 5-4-1 to 19-5-7, Interior (1) 19-5-7 to 21-9-4, Exterior(2E) 21-9-4 to 24-9-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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.
9) Ceiling dead load (5.0 psf) on member(s). 3-5, 8-9, 5-16, 8-16; Wall dead load (5.0psf) on member(s).3-14, 9-12
10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 12-14
11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	C2	Attic Girder	1	3	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:41 — Page: 1

ID:zmVCishpe95_s4doF7A0uaz8dri-7L7b6mLsb4?HyClUeOfW9rK?6kSXvoP7sXi2b1z8KtC



Scale = 1:61.1

Plate Offsets (X, Y): [2:0' 3",0' 1 3/4"], [6:0' 5 1/2",0' 3"], [7:0' 5 1/2",0' 3"], [11:0' 8 1/4",0' 1 1/2"], [12:0' 3 1/2",0' 8"], [14:0' 3 1/2",0' 4 3/4"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	1.00	Vert(LL)	-0.19	12-14	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.27	Vert(CT)	-0.31	12-14	>925	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.45	Horz(CT)	0.01	11	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH		Attic	-0.12	12-14	>999	360		
BCDL	10.0										Weight: 761 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2 *Except* T2:2x6 SP 2400F 2.0E
BOT CHORD	2x10 SP 2400F 2.0E
WEBS	2x4 SP No.3 *Except* W5:2x4 SP No.2

REACTIONS (lb/size) 11=3890/0' 3 1/2", (min. 0' 1 1/2"), 15=3553/0' 3 1/2", (min. 0' 1 11/16")
Max Horiz 15=253 (LC 9)
Max Grav 11=4746 (LC 2), 15=6102 (LC 2)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (10-0-0 max.): 6-7.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS	1 Brace at Jt(s): 16

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

TOP CHORD	2-17=-4593/0, 17-18=-4448/0, 3-18=-4424/0, 3-4=-2482/0, 4-5=-2405/0, 5-6=-116/557, 6-19=0/898, 19-20=0/898, 20-21=0/898, 7-21=0/898, 7-8=-126/568, 8-9=-2428/0, 9-22=-4480/0, 22-23=-4505/0, 10-23=-4617/0, 2-15=-4447/0
BOT CHORD	15-24=-174/501, 14-24=-174/501, 13-14=0/3032, 12-13=0/3032
WEBS	3-14=0/2837, 9-12=0/3004, 5-16=-4004/0, 8-16=-3919/0, 2-14=0/2890, 10-12=0/3305, 10-11=-4861/0, 6-16=-71/259

NOTES

1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0' 9" oc, 2x4 - 1 row at 0' 9" oc.
Bottom chords connected as follows: 2x10 - 5 rows staggered at 0' 8" oc.
Web connected as follows: 2x4 - 1 row at 0' 9" oc, Except member 9-12 2x4 - 1 row at 0' 4" oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; Lumber DOL=1.60 plate grip DOL=1.60
5) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
6) Unbalanced snow loads have been considered for this design.
7) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
8) Provide adequate drainage to prevent water ponding.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * 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.
11) Ceiling dead load (5.0 psf) on member(s). 3-5, 8-9, 5-16, 8-16; Wall dead load (5.0psf) on member(s).3-14, 9-12
12) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 12-14
13) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
14) Load case(s) 1, 2 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
15) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Continued on page 2

16) Use MiTek THDH28-2 (With 36-16d nails into Girder & 4-16d nails into Truss) or equivalent at 19-5-0 from the left end to connect truss(es) GR2 (2 ply 2x6 SP) to back face of bottom chord.
17) Fill all nail holes where hanger is in contact with lumber.
18) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2350 lb down at 1-2-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
19) Attic room checked for L/360 deflection.

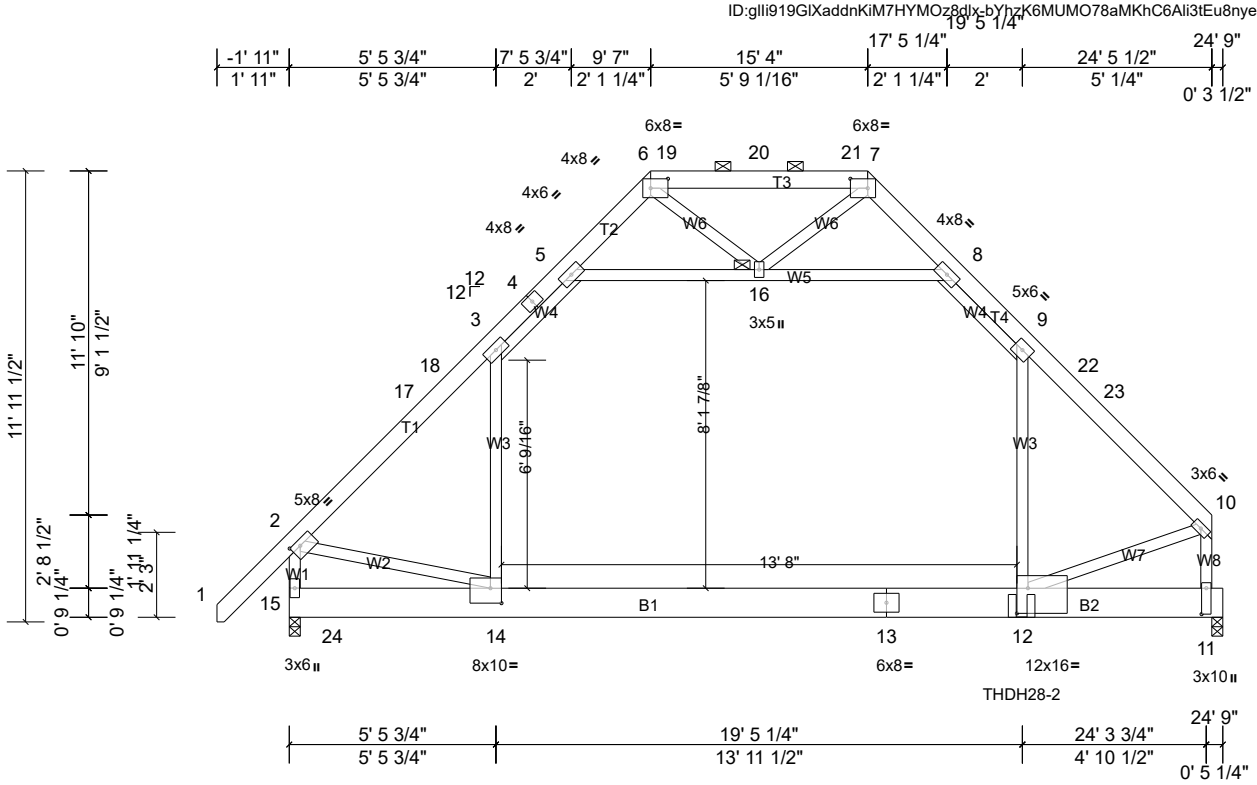
LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (lb/ft)
   Vert: 1-2=-60, 2-3=-60, 3-5=-70, 5-6=-60, 6-7=-60, 7-8=-60, 8-9=-70, 9-10=-60, 15-24=-20, 14-24=-73 (B=-53), 12-14=-83 (B=-53), 11-12=-20, 5-16=-10, 8-16=-10
   Drag: 3-14=-10, 9-12=-10
   Concentrated Loads (lb)
   Vert: 12=-2828 (B), 24=-1175 (B)
2) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (lb/ft)
   Vert: 1-2=-60, 2-3=-60, 3-5=-70, 5-6=-60, 6-7=-60, 7-8=-60, 8-9=-70, 9-10=-60, 15-24=-20, 14-24=-214 (B=-194), 12-14=-224 (B=-194), 11-12=-20, 5-16=-10, 8-16=-10
   Drag: 3-14=-10, 9-12=-10
   Concentrated Loads (lb)
   Vert: 12=-2482 (B), 24=-2350 (B)

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	C2A	Attic Girder	1	3	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:42 — Page: 1

ID:glli919GlXaddnKiM7HYMOz8dlx-bYhzK6MUMO78aMKhC6Ali3tEu8nyeGqG5BRc7Tz8KtB



Scale = 1:61.1

Plate Offsets (X, Y): [2:0' 3",0' 1 3/4"], [6:0' 5 1/2",0' 3"], [7:0' 5 1/2",0' 3"], [11:0' 8 1/4",0' 1 1/2"], [12:0' 3 1/2",0' 8"], [14:0' 3 1/2",0' 4 3/4"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.74	Vert(LL)	-0.18	12-14	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.26	Vert(CT)	-0.29	12-14	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.44	Horz(CT)	0.01	11	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH		Attic	-0.11	12-14	>999	360		
BCDL	10.0										Weight: 761 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP 2400F 2.0E *Except* T3,T1:2x6 SP No.2
BOT CHORD	2x10 SP 2400F 2.0E
WEBS	2x4 SP No.3 *Except* W5:2x4 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (10-0-0 max.): 6-7.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS	1 Brace at Jt(s): 16

REACTIONS (lb/size) 11=3726/0' 3 1/2", (min. 0' 1 1/2"), 15=3513/0' 3 1/2", (min. 0' 1 11/16")
Max Horiz 15=286 (LC 9)
Max Grav 11=4545 (LC 2), 15=6057 (LC 2)

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

TOP CHORD	2-17=-4501/0, 17-18=-4356/0, 3-18=-4332/0, 3-4=-2437/0, 4-5=-2360/0, 5-6=-151/526, 6-19=0/839, 19-20=0/839, 20-21=0/839, 7-21=0/839, 7-8=-186/508, 8-9=-2370/0, 9-22=-4417/0, 22-23=-4443/0, 10-23=-4554/0, 2-15=-4340/0
BOT CHORD	15-24=-192/510, 14-24=-192/510, 13-14=0/2979, 12-13=0/2979
WEBS	3-14=0/2751, 9-12=0/2979, 5-16=-3915/0, 8-16=-3779/0, 10-11=-4802/0, 2-14=0/2842, 10-12=0/3247, 6-16=-80/291

NOTES

1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2x6 - 2 rows staggered at 0' 9" oc, 2x4 - 1 row at 0' 9" oc.
   Bottom chords connected as follows: 2x10 - 5 rows staggered at 0' 8" oc.
   Web connected as follows: 2x4 - 1 row at 0' 9" oc, Except member 9-12 2x4 - 2 rows staggered at 0' 9" oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
6) Unbalanced snow loads have been considered for this design.
7) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
8) Provide adequate drainage to prevent water ponding.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * 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.
11) Ceiling dead load (5.0 psf) on member(s). 3-5, 8-9, 5-16, 8-16; Wall dead load (5.0psf) on member(s).3-14, 9-12
12) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 12-14
13) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
14) Load case(s) 1, 2 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
15) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Continued on page 2

16) Use MiTek THDH28-2 (With 36-16d nails into Girder & 4-16d nails into Truss) or equivalent at 19-5-0 from the left end to connect truss(es) GR2 (2 ply 2x6 SP) to front face of bottom chord.
17) Fill all nail holes where hanger is in contact with lumber.
18) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2350 lb down at 1-1-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
19) Attic room checked for L/360 deflection.

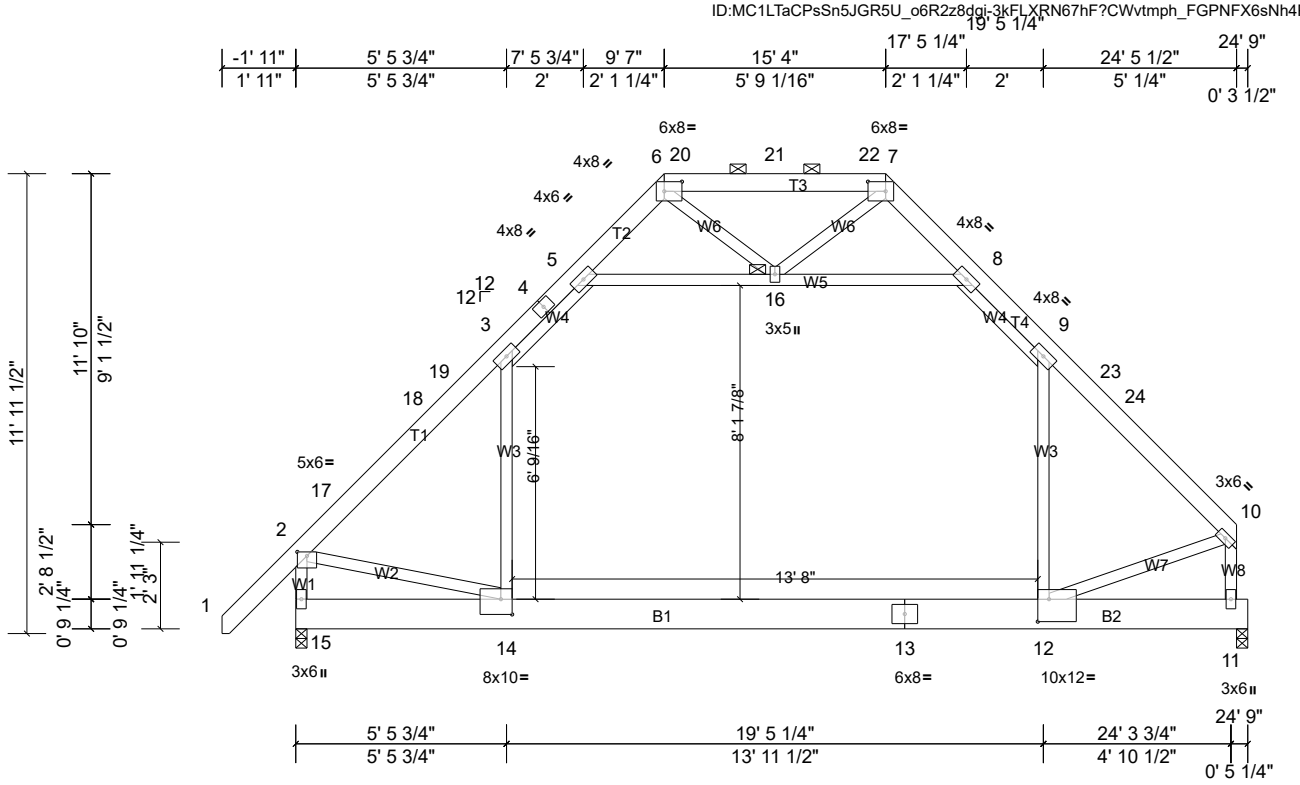
LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (lb/ft)
   Vert: 1-2=-60, 2-3=-60, 3-5=-70, 5-6=-60, 6-7=-60, 7-8=-60, 8-9=-70, 9-10=-60, 15-24=-20, 14-24=-73 (F=-53), 12-14=-83 (F=-53), 11-12=-20, 5-16=-10, 8-16=-10
   Drag: 3-14=-10, 9-12=-10
   Concentrated Loads (lb)
   Vert: 12=-2624 (F), 24=-1175 (F)
2) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (lb/ft)
   Vert: 1-2=-60, 2-3=-60, 3-5=-70, 5-6=-60, 6-7=-60, 7-8=-60, 8-9=-70, 9-10=-60, 15-24=-20, 14-24=-214 (F=-194), 12-14=-224 (F=-194), 11-12=-20, 5-16=-10, 8-16=-10
   Drag: 3-14=-10, 9-12=-10
   Concentrated Loads (lb)
   Vert: 12=-2233 (F), 24=-2350 (F)

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	C3	Attic	2	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:43 — Page: 1

ID:MC1LTaCPsSn5JGR5U_o6R2z8dgi-3kFLXRN67hF?CWvtmph_FGPNFX6sNh4PKrB9fwz8KtA



Scale = 1:59.9

Plate Offsets (X, Y): [2:0' 3",0' 1 1/4"], [6:0' 5 1/2",0' 3"], [7:0' 5 1/2",0' 3"], [12:0' 3 1/2",0' 7"], [14:0' 3 1/2",0' 4 3/4"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.89	Vert(LL)	-0.23	12-14	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.35	Vert(CT)	-0.35	12-14	>831	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.01	11	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH		Attic	-0.16	12-14	>999	360		
BCDL	10.0										Weight: 254 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x10 SP 2400F 2.0E
WEBS	2x4 SP No.3 *Except* W5:2x4 SP No.2

REACTIONS (lb/size) 11=1612/0' 3 1/2", (min. 0' 1 11/16"), 15=1295/0' 3 1/2", (min. 0' 1 1/2")
Max Horiz 15=286 (LC 11)
Max Grav 11=2005 (LC 46), 15=1683 (LC 46)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS	1 Brace at Jt(s): 16

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	2-17=-1746/0, 17-18=-1625/0, 18-19=-1586/0, 3-19=-1547/0, 3-4=-1103/95, 4-5=-1005/115, 5-6=-509/131, 6-20=-335/145, 20-21=-335/145, 21-22=-335/145, 7-22=-335/145, 7-8=-507/133, 8-9=-1110/116, 9-23=-1545/0, 23-24=-1570/0, 10-24=-1695/0, 2-15=-1758/0
BOT CHORD	14-15=-274/325, 13-14=0/1125, 12-13=0/1125
WEBS	3-14=-45/788, 9-12=-89/754, 5-16=-1241/72, 8-16=-1257/69, 2-14=0/1101, 10-11=-2230/9, 10-12=0/1228

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-9-14 to 1-2-2, Interior (1) 1-2-2 to 5-4-1, Exterior(2R) 5-4-1 to 19-5-7, Interior (1) 19-5-7 to 21-3-12, Exterior(2E) 21-3-12 to 24-3-12 zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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.
9) Ceiling dead load (5.0 psf) on member(s). 3-5, 8-9, 5-16, 8-16; Wall dead load (5.0psf) on member(s).3-14, 9-12
10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 12-14
11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 460 lb down and 80 lb up at 24-3-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
14) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)

Continued on page 2

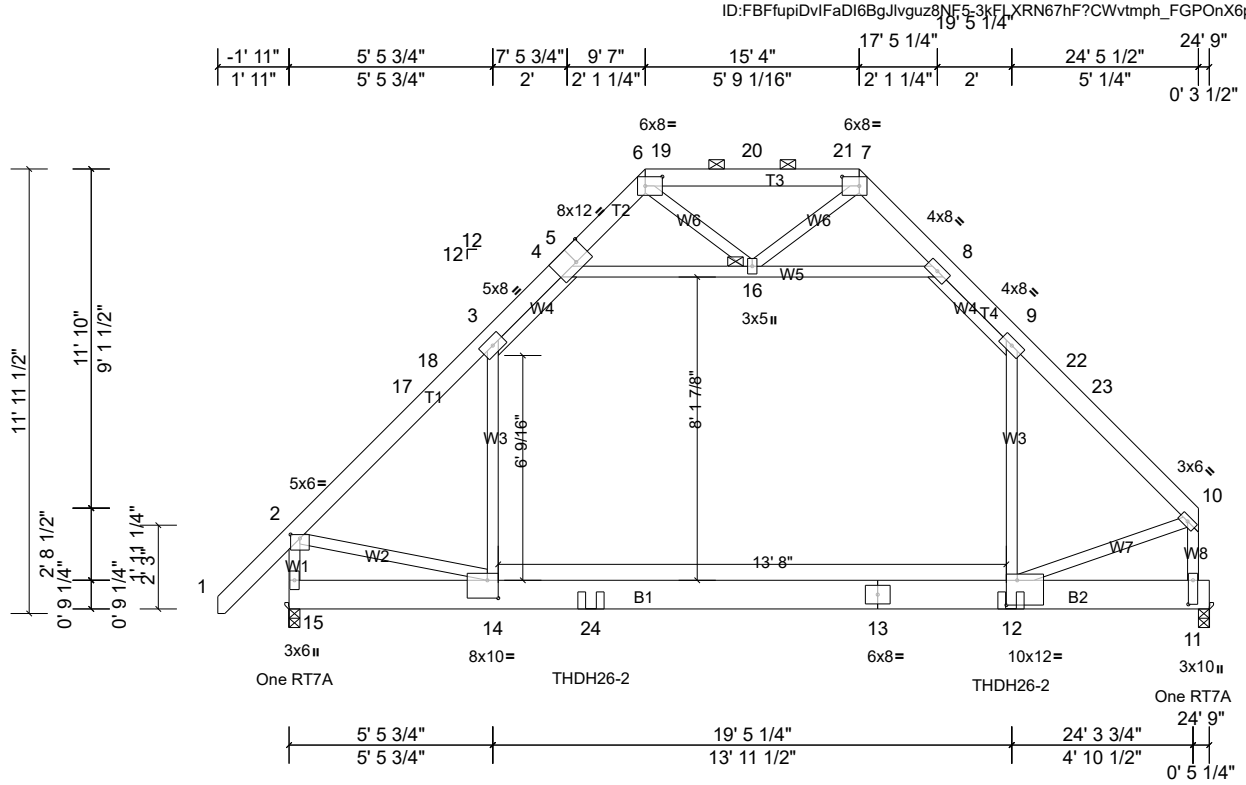
Vert: 1-2=-60, 2-3=-60, 3-5=-70, 5-6=-60, 6-7=-60, 7-8=-60, 8-9=-70, 9-10=-60, 14-15=-20, 12-14=-30, 11-12=-20, 5-16=-10, 8-16=-10
Drag: 3-14=-10, 9-12=-10

Concentrated Loads (lb)
Vert: 10=-437

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	C4	Attic Girder	1	2	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:43 — Page: 1

ID:FBFfupiDvIFaDI6BgJlvguz8NF5-3kFLXRN67hF?CWvtmph_FGPOnX6pNgpPKrB9fwz8KtA



Scale = 1:62

Plate Offsets (X, Y): [2:0' 3",0' 1 1/4"], [5:0' 5",Edge], [6:0' 5 1/2",0' 3"], [7:0' 5 1/2",0' 3"], [11:0' 7 3/4",0' 1 1/2"], [12:0' 3 1/2",0' 8"], [14:0' 3 1/2",0' 5 3/4"]

LUMBER

TOP CHORD	2x6 SP No.2 *Except* T4,T1:2x6 SP 2400F 2.0E
BOT CHORD	2x10 SP 2400F 2.0E
WEBS	2x4 SP No.3 *Except* W5:2x4 SP No.2

REACTIONS (lb/size) 11=3136/0' 3 1/2", (min. 0' 1 1/2"), 15=2921/0' 3 1/2", (min. 0' 1 1/2")
Max Horiz 15=253 (LC 9)
Max Uplift 11=-411 (LC 13), 15=-342 (LC 12)
Max Grav 11=3440 (LC 48), 15=3302 (LC 46)

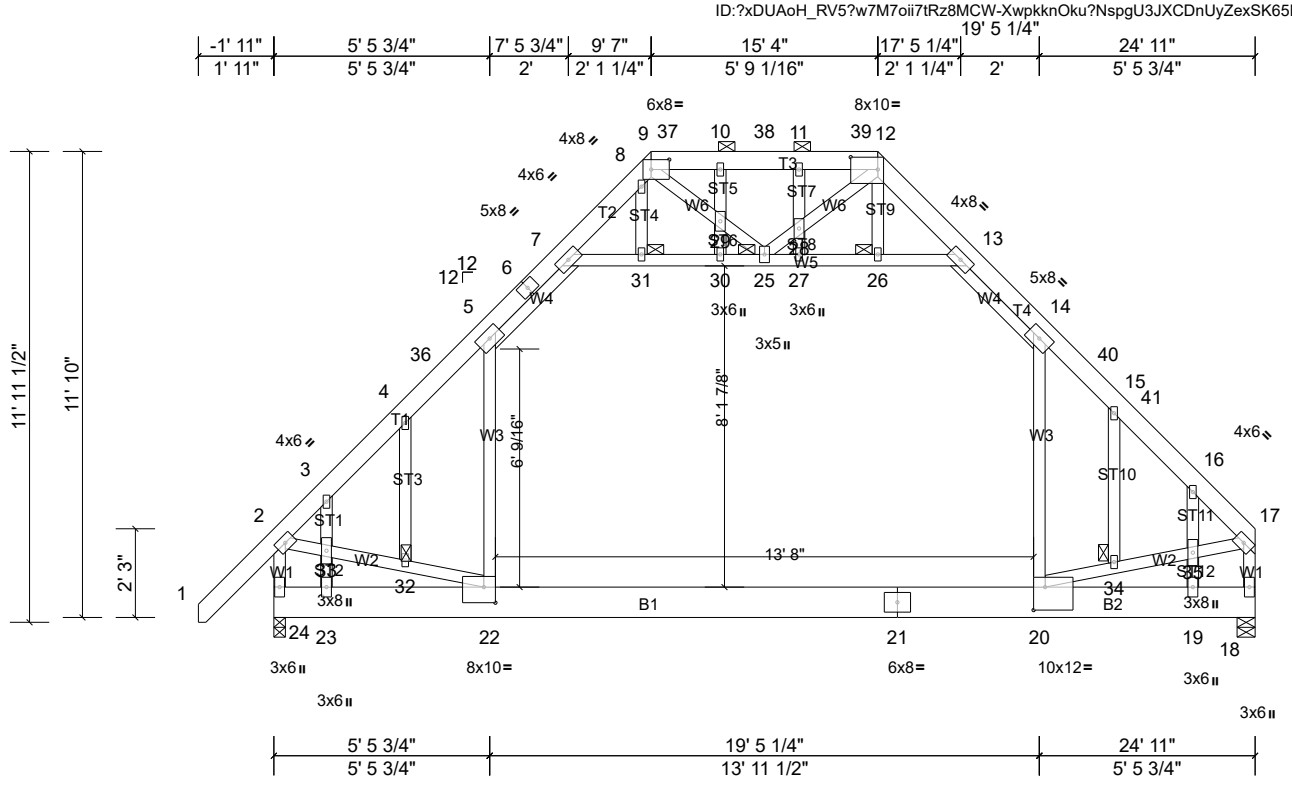
BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (10-0-0 max.): 6-7.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS	1 Brace at Jt(s): 16

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	C5	Attic Structural Gable	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:44 — Page: 1

ID:?xDUAoH_RV5?w7M7oii7tRz8MCW-XwpkknOku?NspgU3JXCDnUyZexSK65EZYVwiCMz8Kt9



Scale = 1:58.5

Plate Offsets (X, Y): [9:0' 5 1/2",0' 3"], [12:0' 8 1/4",0' 3 3/4"], [20:0' 3 1/2",0' 7"], [22:0' 3 1/2",0' 4 3/4"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.79	Vert(LL)	-0.22	20-22	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.33	Vert(CT)	-0.33	20-22	>892	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.01	18	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH		Attic	-0.15	20-22	>999	360		
BCDL	10.0										Weight: 285 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x10 SP 2400F 2.0E
WEBS	2x4 SP No.3 *Except* W5,W2:2x4 SP No.2
OTHERS	2x4 SP No.3

REACTIONS (lb/size) 18=1190/0' 5 1/2", (min. 0' 1 1/2"), 24=1318/0' 3 1/2", (min. 0' 1 1/2")
Max Horiz 24=254 (LC 13)
Max Grav 18=1608 (LC 46), 24=1720 (LC 46)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-8-2 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 9-12.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS	1 Brace at Jt(s): 25, 26, 31, 32, 34

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	2-3=-1526/0, 3-4=-1870/0, 4-36=-1744/0, 5-36=-1647/0, 5-6=-1141/94, 6-7=-1043/113, 7-8=-515/115, 8-9=-384/123, 9-37=-443/140, 10-37=-443/140, 10-38=-443/140, 11-38=-443/140, 11-39=-443/140, 12-39=-443/140, 12-13=-511/116, 13-14=-1138/113, 14-40=-1655/0, 15-40=-1741/0, 15-41=-1811/0, 16-41=-1874/0, 16-17=-1538/0, 2-24=-1332/28, 17-18=-1255/0
BOT CHORD	23-24=-261/284, 22-23=-261/284, 21-22=0/1171, 20-21=0/1171
WEBS	5-22=0/905, 14-20=0/922, 7-31=-1273/68, 30-31=-1271/68, 25-30=-1271/68, 25-27=-1256/67, 26-27=-1256/67, 13-26=-1256/67, 9-29=-87/259, 12-28=-88/254, 2-33=0/1176, 32-33=0/1197, 22-32=0/1223, 20-34=0/1195, 34-35=0/1165, 17-35=0/1145, 3-33=-544/27, 23-33=-673/45, 16-35=-576/80, 19-35=-710/100

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-9-14 to 1-3-13, Interior (1) 1-3-13 to 5-4-1, Exterior(2R) 5-4-1 to 19-5-7, Interior (1) 19-5-7 to 21-9-4, Exterior(2E) 21-9-4 to 24-9-4 zone;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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
7) Provide adequate drainage to prevent water ponding.
8) All plates are 2x4 MT20 unless otherwise indicated.
9) Gable studs spaced at 2-0-0 oc.
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
11) * 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.
12) Ceiling dead load (5.0 psf) on member(s). 5-7, 13-14, 7-31, 30-31, 25-30, 25-27, 26-27, 13-26; Wall dead load (5.0psf) on member(s).5-22, 14-20
13) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 20-22

Continued on page 2

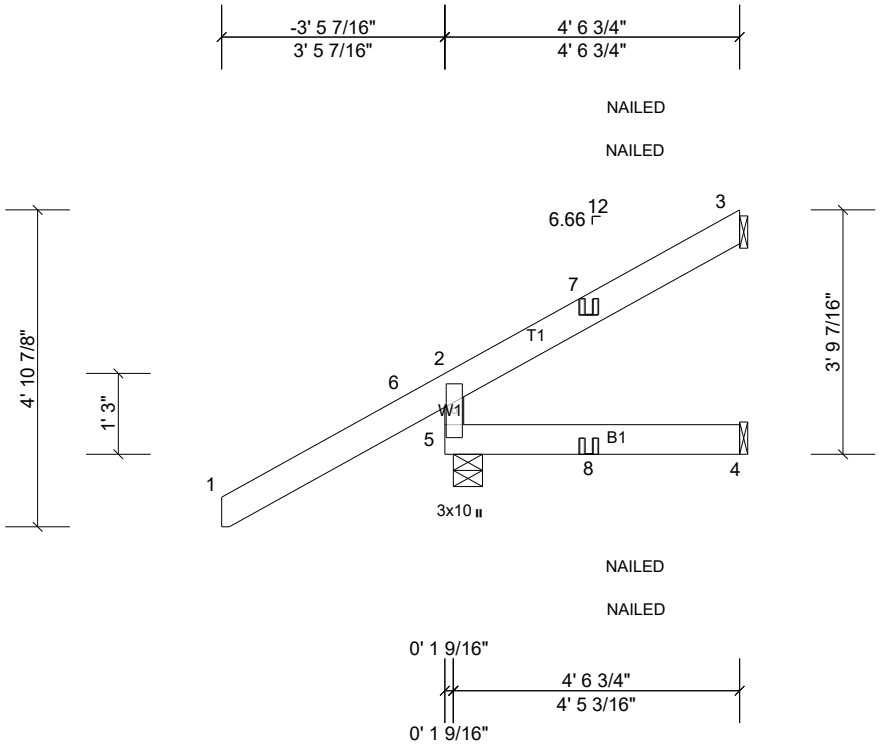
14) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
15) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
16) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	CJ04	Diagonal Hip Girder	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:45 — Page: 1

ID:vrFglwb8uhnkJusWhUqH75z8fwp-07N6y7PMfJVjRq3GtEkSKhVpWLs1riPin8gGkoz8Kt8



Scale = 1:35.7

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.46	Vert(LL)	0.01	4-5	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	-0.01	4-5	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.00	Horz(CT)	-0.01	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MR								
BCDL	10.0										Weight: 33 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3

REACTIONS (lb/size) 3=40/ Mechanical, (min. 0' 1 1/2"), 4=24/ Mechanical, (min. 0' 1 1/2"), 5=448/0' 5 7/16", (min. 0' 1 1/2")

Max Horiz 5=150 (LC 12)

Max Uplift 3=-73 (LC 12), 4=-25 (LC 9), 5=-131 (LC 12)

Max Grav 3=115 (LC 19), 4=76 (LC 7), 5=558 (LC 19)

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

TOP CHORD 2-5=-502/141

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-6-12 oc purlins, except end verticals.
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.

NOTES

1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 73 lb uplift at joint 3.
9) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5 and 4. This connection is for uplift only and does not consider lateral forces.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) "NAILED" indicates 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

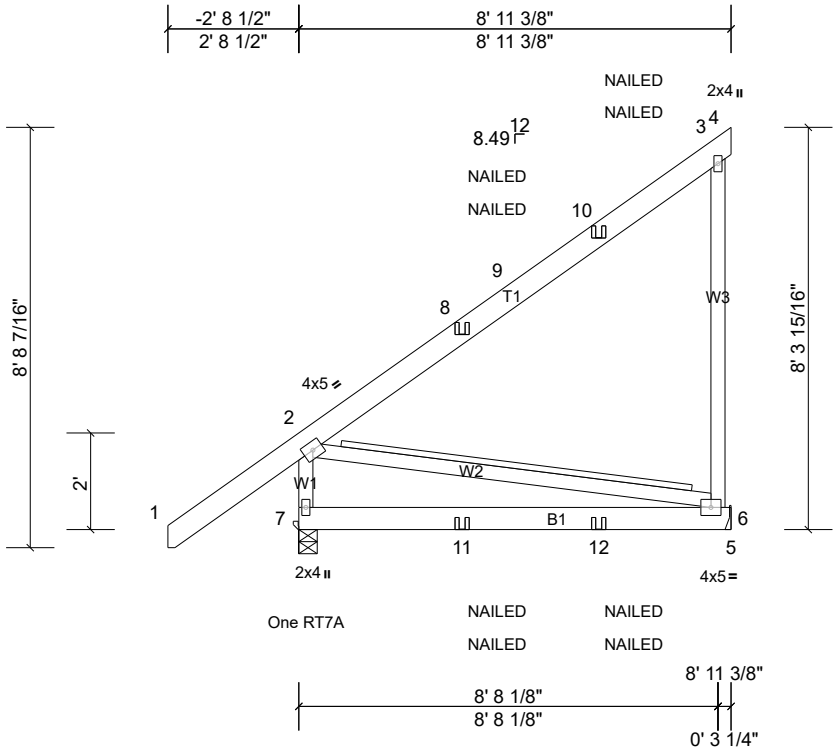
LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (lb/ft)
   Vert: 1-2=-60, 2-3=-60, 4-5=-20
   Concentrated Loads (lb)
   Vert: 7=46 (B), 8=3 (F=1, B=2)

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	CJ08	Diagonal Hip Girder	2	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:45 — Page: 1

ID:daRkZnKPWQT48G1EmoQa5yz8fvs-07N6y7PMfJVjRq3GtEkSKhVpBLmqrh3in8gGkoz8Kt8



Scale = 1:47.7

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.48	Vert(LL)	0.15	6-7	>680	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.19	6-7	>552	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.09	Horz(CT)	0.00	6	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 80 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP 2400F 2.0E
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x4 SPF No.2(flat)

REACTIONS (lb/size) 6=504/ Mechanical, (min. 0' 1 1/2"), 7=603/0' 4 9/16", (min. 0' 1 1/2")
Max Horiz 7=287 (LC 12)
Max Uplift 6=-447 (LC 12), 7=-198 (LC 8)
Max Grav 6=565 (LC 19), 7=612 (LC 19)

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.

WEBS — T-Brace: 2x4 SPF No.2 - 2-6
Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c.,with 3in minimum end distance.
Brace must cover 90% of web length.

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	2-7=-517/127, 2-8=-272/113, 3-6=-448/330
BOT CHORD	7-11=-287/96, 11-12=-287/96, 6-12=-287/96
WEBS	2-6=-98/292

NOTES

1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 447 lb uplift at joint 6.
9) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 7. This connection is for uplift only and does not consider lateral forces.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
12) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
13) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-60, 2-3=-60, 3-4=-60, 5-7=-20

Continued on page 2

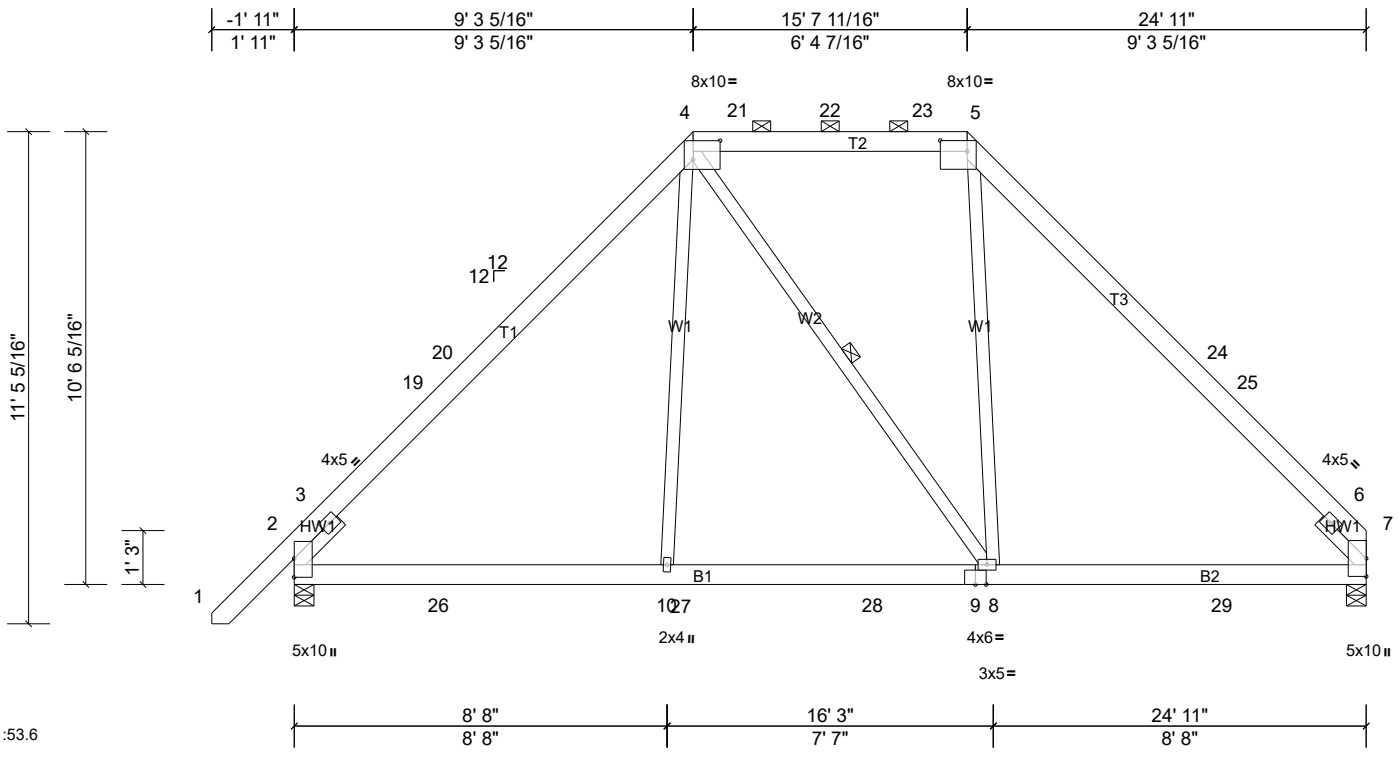
Concentrated Loads (lb)

Vert: 10=-200 (F=-100, B=-100), 11=1 (F=1, B=1), 12=-37 (F=-19, B=-19)

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	D1	Piggyback Base	3	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:46 — Page: 1

ID:IMFrwRB1mXYMQeaXhyYjPGz8MBL-UJwU9TP?Qcda3zeSRyFhsv1v9l6wa6fs0oPpGEz8Kt7



Scale = 1:53.6

Plate Offsets (X, Y): [4:0' 7 1/2",0' 5 1/4"], [5:0' 7 1/2",0' 3"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.78	Vert(LL)	0.08	8-13	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.45	Vert(CT)	-0.11	8-13	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.04	7	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 192 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3 *Except* W2:2x4 SP No.2
SLIDER	Left 2x4 SP No.3 -- 1' 6", Right 2x4 SP No.3 -- 1' 6"

REACTIONS (lb/size) 2=1103/0' 5 1/2", (min. 0' 1 5/8"), 7=993/0' 5 1/2", (min. 0' 1 1/2")
Max Horiz 2=247 (LC 13)
Max Uplift 2=-111 (LC 14), 7=-76 (LC 15)
Max Grav 2=1378 (LC 45), 7=1280 (LC 45)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-11-15 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 4-5.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 4-8

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	2-3=-915/405, 3-19=-1353/102, 19-20=-1222/108, 4-20=-1143/154, 4-21=-778/232, 21-22=-778/232, 22-23=-778/232, 5-23=-778/232, 5-24=-1141/155, 24-25=-1217/109, 6-25=-1348/103, 6-7=-788/105
BOT CHORD	2-26=-329/861, 10-26=-82/861, 10-27=-85/834, 27-28=-85/834, 9-28=-85/834, 8-9=-85/834, 8-29=0/803, 7-29=0/803
WEBS	4-10=0/460, 5-8=-8/468

NOTES

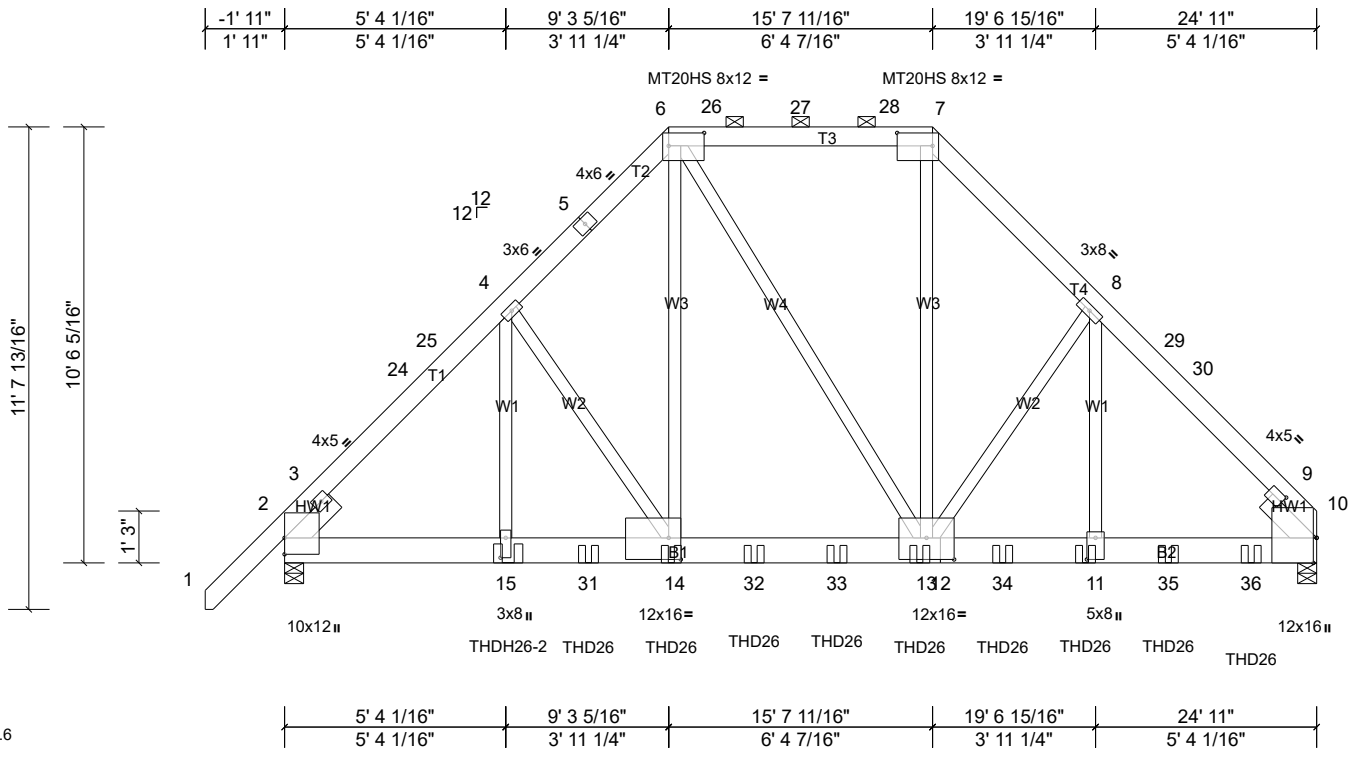
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-8-10 to 1-3-6, Interior (1) 1-3-6 to 5-0-6, Exterior(2R) 5-0-6 to 19-10-10, Interior (1) 19-10-10 to 21-11-0, Exterior(2E) 21-11-0 to 24-11-0 zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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.
9) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 7 and 2. This connection is for uplift only and does not consider lateral forces.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	D2	Piggyback Base Girder	1	**2**	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:46 — Page: 1

ID:rXJbYACj_L7RVZ?hcb2Ppzz8MA1-UJwU9TP?Qcda3zeSRyFhsv1wPl60azcs0oPpGEz8Kt7



Scale = 1:55.6

Plate Offsets (X, Y): [2:Edge,0'], [6:0' 10 1/4",0' 3 3/4"], [7:0' 10 1/4",0' 3 3/4"], [10:0' 7 1/4",Edge], [10:1' 2 1/2",0' 2"], [11:0' 6 1/4",0' 2 1/2"], [12:0' 8",0' 6 1/4"], [14:0' 3 1/2",0' 6 1/4"], [15:0' 5 3/4",0' 1 1/2"]

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x8 SP 2400F 2.0E
WEBS	2x4 SP No.3 *Except* W3,W4:2x4 SP No.2
SLIDER	Left 2x6 SP No.2 -- 1' 6", Right 2x6 SP No.2 -- 1' 6"

REACTIONS (lb/size) 2=8204/0' 5 1/2", (min. 0' 3 9/16"), 10=10090/0' 5 1/2", (min. 0' 4 1/2")
Max Horiz 2=248 (LC 9)
Max Uplift 2=-1355 (LC 12), 10=-963 (LC 13)
Max Grav 2=8657 (LC 45), 10=10816 (LC 47)

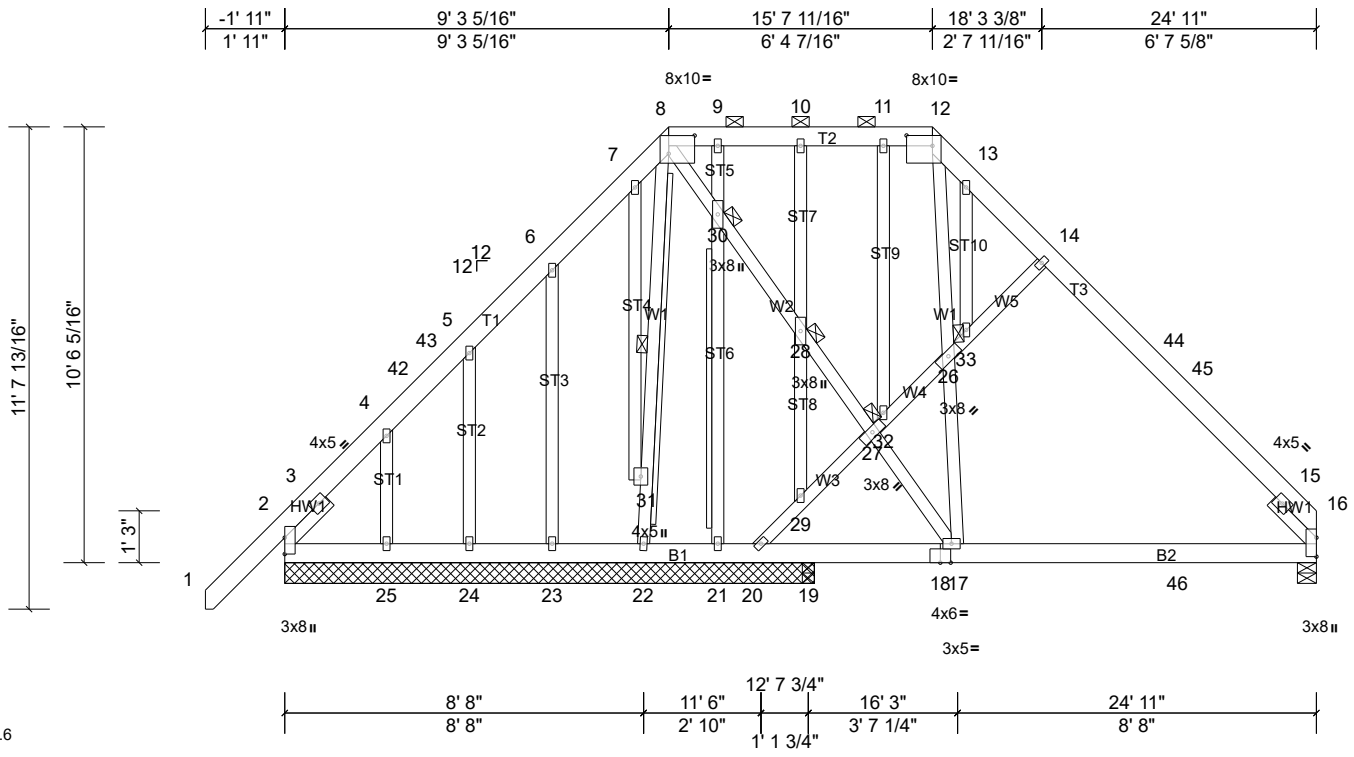
BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-11-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	D3	Piggyback Base Structural Gable	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:47 — Page: 1

ID:IbfzpiAXCdv7IjwgBPwozez8M3c-yVUsNpQdBwlRg7De?fmwP6aDL9U1JZe?FS9Mohz8Kt6



Scale = 1:55.6

Plate Offsets (X, Y): [8:0' 7 1/2",0' 5 1/4"], [12:0' 7 1/2",0' 3"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	-0.05	17-36	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.33	Vert(CT)	-0.09	17-36	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.01	16	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 281 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3 *Except* O1,O2:2x4 SPF No.2(flat)
SLIDER	Left 2x4 SP No.3 -- 1' 6", Right 2x4 SP No.3 -- 1' 6"

REACTIONS All bearings 12' 9 1/2". except 16=0' 5 1/2", 19=0' 3 1/2"

(lb) - Max Horiz 2=248 (LC 13), 38=248 (LC 13)

Max Uplift All uplift 100 (lb) or less at joint(s) 2, 16, 19, 21, 24, 38 except 20=-221 (LC 15), 23=-114 (LC 14), 25=-186 (LC 14)

Max Grav All reactions 250 (lb) or less at joint(s) 19, 25 except 2=379 (LC 25), 16=810 (LC 49), 20=395 (LC 49), 21=326 (LC 38), 22=387 (LC 53), 23=301 (LC 47), 24=256 (LC 47), 38=379 (LC 25)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 8-12.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 8-22
WEBS	T-Brace: 2x4 SPF No.2 - 21-30 Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c.,with 3in minimum end distance. Brace must cover 90% of web length.
JOINTS	1 Brace at Jt(s): 26, 27, 28, 30

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 3-4=-258/142, 6-7=-251/196, 7-8=-253/189, 8-9=-256/117, 9-10=-256/117, 10-11=-256/117, 11-12=-256/117, 12-13=-355/116, 13-14=-466/140, 14-44=-603/118, 44-45=-640/91, 15-45=-733/90, 15-16=-474/0

BOT CHORD 19-20=-25/320, 18-19=-25/320, 17-18=-25/320, 17-46=0/448, 16-46=0/448

WEBS 22-31=-313/0, 8-30=0/339, 28-30=0/329, 27-28=0/308, 17-27=0/259, 26-33=-377/221, 14-33=-414/252, 27-32=-398/245, 26-32=-410/241, 20-29=-412/258, 27-29=-400/247, 9-30=-291/47, 21-30=-296/58

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-9-14 to 1-2-2, Interior (1) 1-2-2 to 5-0-6, Exterior(2R) 5-0-6 to 19-10-10, Interior (1) 19-10-10 to 21-11-0, Exterior(2E) 21-11-0 to 24-11-0 zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
7) Provide adequate drainage to prevent water ponding.
8) All plates are 2x4 MT20 unless otherwise indicated.
9) Gable studs spaced at 2-0-0 oc.
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Continued on page 2

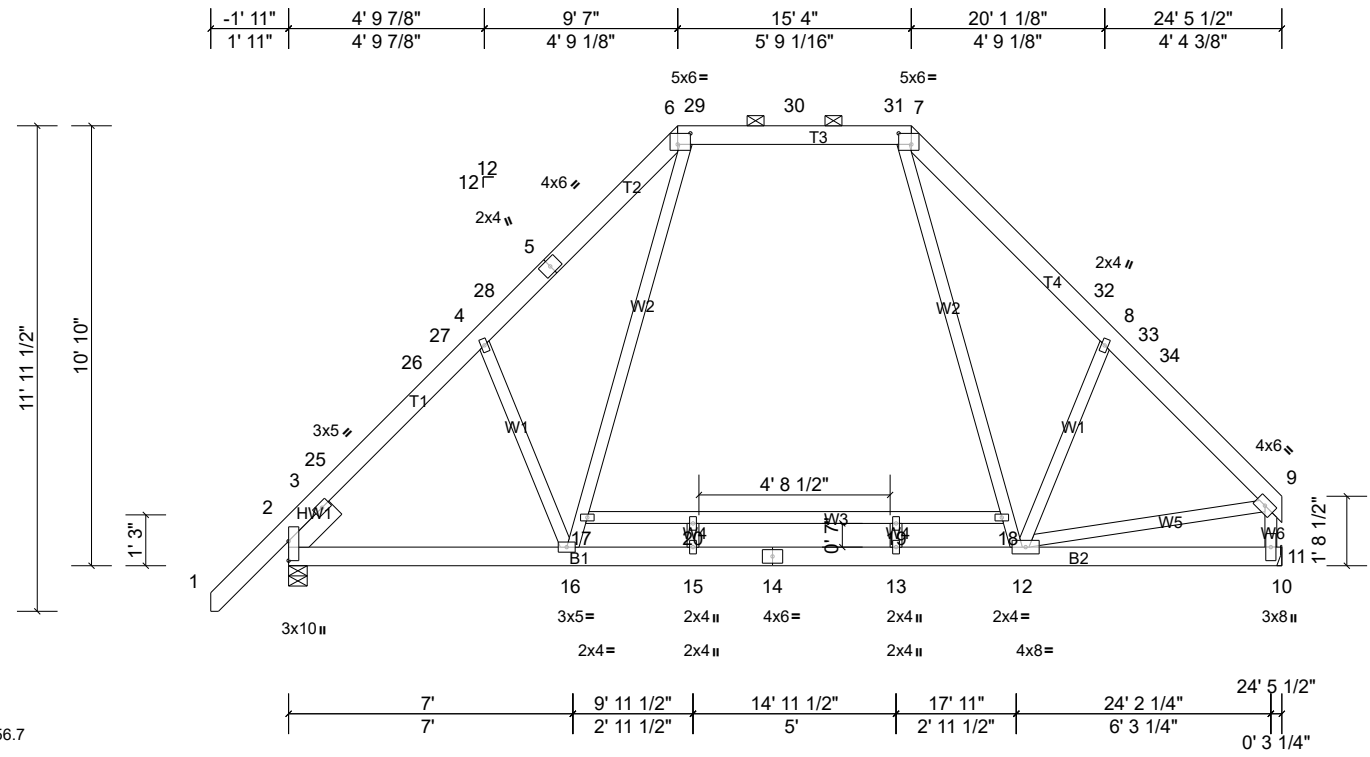
11) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
12) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 16, 2, 20, 21, 23, 24, 25, and 19. This connection is for uplift only and does not consider lateral forces.
13) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
15) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	F1	Piggyback Base	5	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:48 — Page: 1

ID:1eE6Vvh3804HNFIPKQCn13z8hL3-Qi2Ea9RFxEtIIHorYNH9yK7M?YlQ2_D8T6uwL7z8Kt5



Scale = 1:56.7

Plate Offsets (X, Y): [2:Edge,0'], [6:0' 3 3/4",0' 3 1/4"], [7:0' 3 3/4",0' 3 1/4"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.38	Vert(LL)	-0.15	15-16	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.64	Vert(CT)	-0.28	13-15	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.38	Horz(CT)	-0.02	2	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 218 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3 *Except* W2,W3:2x4 SP No.2
SLIDER	Left 2x6 SP No.2 -- 1' 6"

REACTIONS (lb/size) 2=1178/0' 5 1/2", (min. 0' 1 9/16"), 11=1072/ Mechanical, (min. 0' 1 1/2")
Max Horiz 2=254 (LC 11)
Max Uplift 2=-13 (LC 14)
Max Grav 2=1333 (LC 39), 11=1232 (LC 39)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-6-4 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 11-12.

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	2-3=-700/60, 3-25=-1424/0, 25-26=-1402/0, 26-27=-1252/0, 4-27=-1248/0, 4-28=-1327/69, 5-28=-1206/79, 5-6=-1157/107, 6-29=-678/153, 29-30=-678/153, 30-31=-678/153, 7-31=-678/153, 7-32=-1133/112, 8-32=-1304/75, 8-33=-1197/0, 33-34=-1202/0, 9-34=-1366/0, 9-11=-1224/0
BOT CHORD	2-16=-86/911, 15-16=0/649, 14-15=0/649, 13-14=0/649, 12-13=0/649
WEBS	9-12=0/916, 16-17=-25/547, 6-17=-15/569, 7-18=-5/512, 12-18=-15/496, 4-16=-359/321, 8-12=-390/287

NOTES

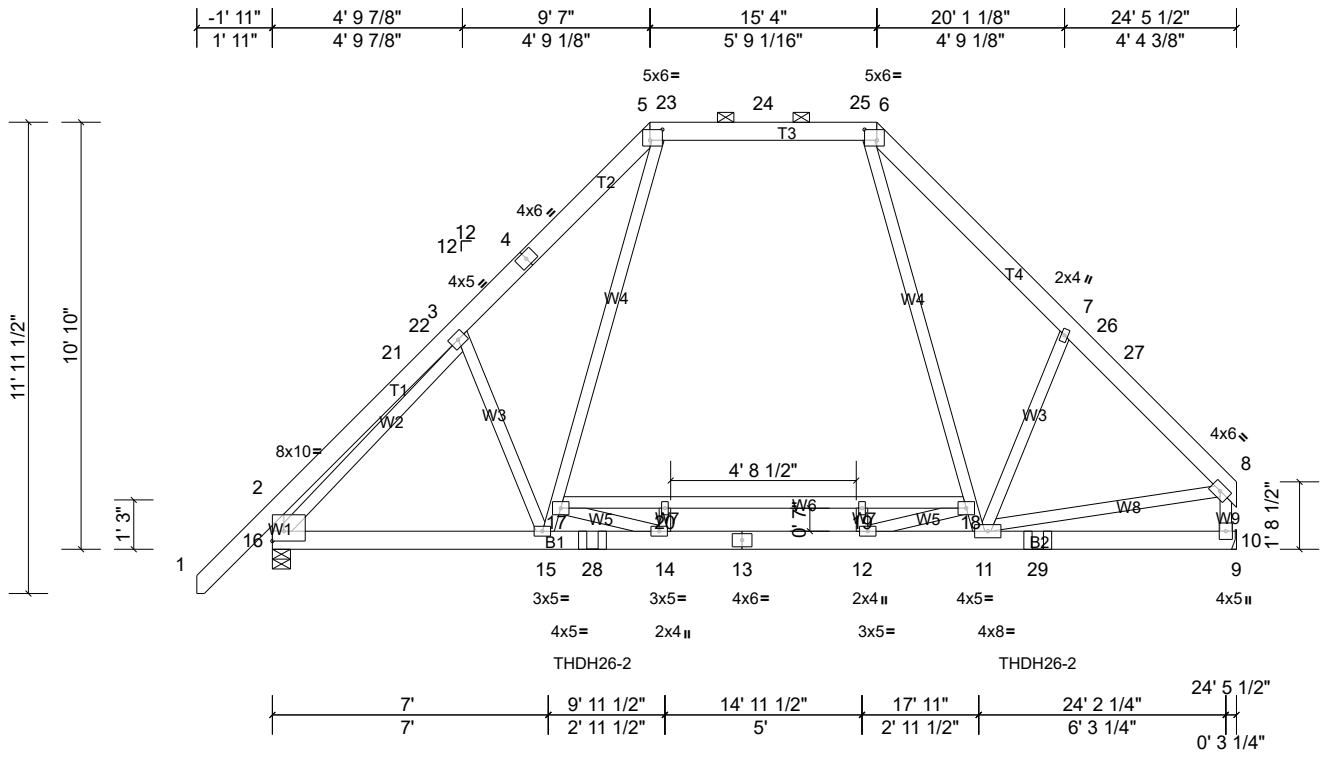
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-9-14 to 1-2-2, Interior (1) 1-2-2 to 5-4-1, Exterior(2R) 5-4-1 to 19-6-15, Interior (1) 19-6-15 to 21-2-4, Exterior(2E) 21-2-4 to 24-2-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
6) 200.0lb AC unit load placed on the bottom chord, 12-5-8 from left end, supported at two points, 5-0-0 apart.
7) Provide adequate drainage to prevent water ponding.
8) All plates are 2x4 MT20 unless otherwise indicated.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * 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.
11) Refer to girder(s) for truss to truss connections.
12) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
13) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	F2	Piggyback Base Girder	1	2	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:49 — Page: 1

ID:oAj7Aen4FT48KTvxo6LfMkz8hKx-uucdoVStiX?9wRN164oOUXfTUy3YnO5limeTtZz8Kt4



Scale = 1:58.4

Plate Offsets (X, Y): [2:Edge,0' 3"], [5:0' 3 3/4",0' 3 1/4"], [6:0' 3 3/4",0' 3 1/4"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.59	Vert(LL)	-0.13	14-15	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.71	Vert(CT)	-0.19	14-15	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.53	Horz(CT)	0.02	10	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 466 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 10=2436/ Mechanical, (min. 0' 1 1/2"), 16=2310/0' 5 1/2", (min. 0' 1 1/2")
Max Horiz 16=253 (LC 9)
Max Uplift 10=-286 (LC 13), 16=-261 (LC 12)
Max Grav 10=2601 (LC 37), 16=2467 (LC 37)

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

TOP CHORD 2-21=-632/166, 21-22=-478/171, 3-22=-469/174, 3-4=-2767/405, 4-5=-2581/429, 5-23=-1401/294, 23-24=-1401/294, 24-25=-1401/294, 6-25=-1401/294, 6-7=-2619/434, 7-26=-2534/320, 26-27=-2582/310, 8-27=-2702/303, 2-16=-656/194, 8-10=-2355/265

BOT CHORD 15-16=-279/1848, 15-28=-167/1425, 14-28=-167/1425, 13-14=0/2125, 12-13=0/2125, 11-12=-91/1311

WEBS 7-11=-327/308, 15-17=-338/1385, 5-17=-250/1708, 6-18=-254/1375, 11-18=-354/1173, 17-20=-786/0, 19-20=-786/0, 18-19=-786/0, 3-15=-216/353, 8-11=-145/1653, 14-17=0/815, 3-16=-2316/219, 12-18=0/944

NOTES

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0' 9" oc, 2x4 - 1 row at 0' 9" oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0' 7" oc.
Web connected as follows: 2x4 - 1 row at 0' 9" oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; Lumber DOL=1.60 plate grip DOL=1.60
5) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
6) Unbalanced snow loads have been considered for this design.
7) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
8) 200.0lb AC unit load placed on the bottom chord, 12-5-8 from left end, supported at two points, 5-0-0 apart.
9) Provide adequate drainage to prevent water ponding.
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
11) * 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.
12) Refer to girder(s) for truss to truss connections.
13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 286 lb uplift at joint 10.

Continued on page 2

14) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 16. This connection is for uplift only and does not consider lateral forces.
15) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
16) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
17) Use MiTek THDH26-2 (With 22-16d nails into Girder & 8-16d nails into Truss) or equivalent spaced at 11-3-9 oc max. starting at 8-1-7 from the left end to 19-5-0 to connect truss(es) GR1 (2 ply 2x6 SP), GR3 (2 ply 2x6 SP) to front face of bottom chord.
18) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (lb/ft)
   Vert: 1-2=-60, 2-5=-60, 5-6=-60, 6-8=-60, 9-16=-20
   Concentrated Loads (lb)
   Vert: 12=-100, 14=-100, 28=-1345 (F), 29=-1154 (F)

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	F3	Piggyback Base	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:50 — Page: 1

ID:ClPGpgqyYOSjBxeWTEvM_Nz8hKu-M4A??rSVTr80XbxDgnJd1IChxMRgWuvRxQN1P0z8Kt3

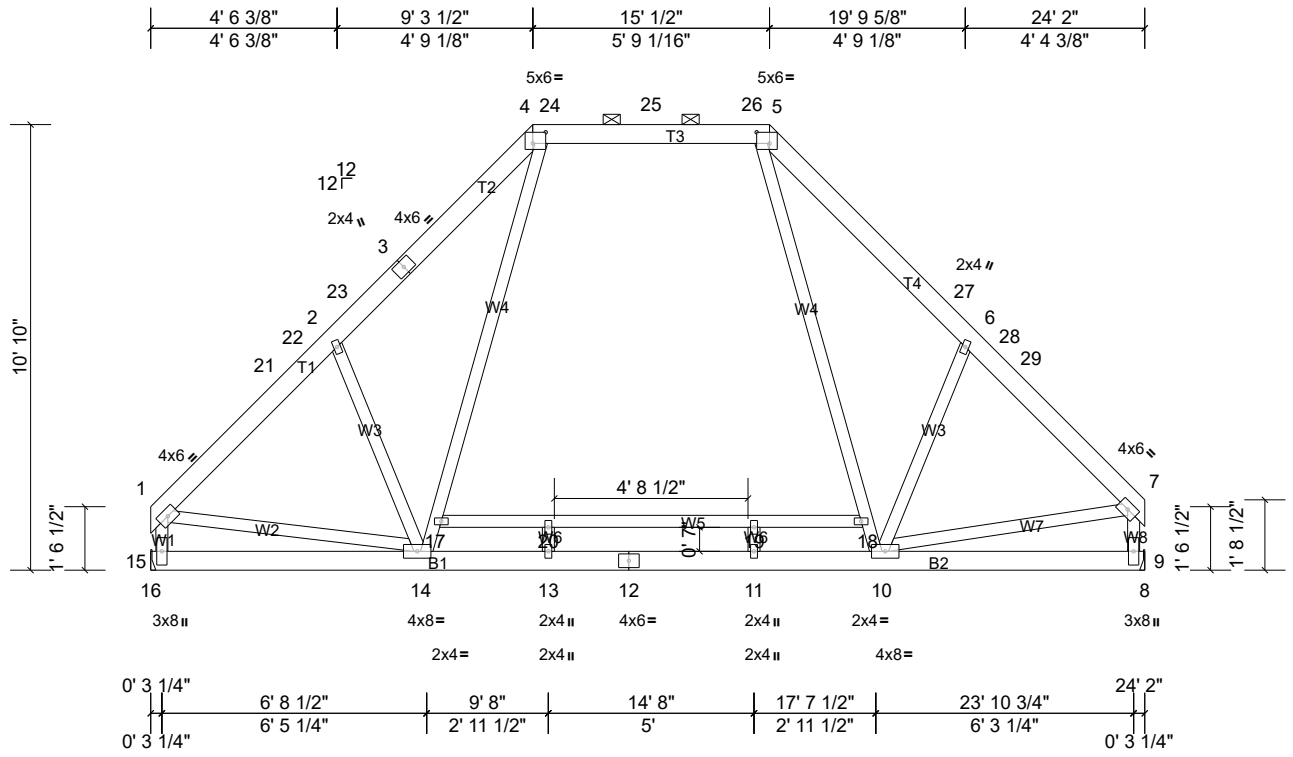


Plate Offsets (X, Y): [4:0' 3 3/4",0' 3 1/4"], [5:0' 3 3/4",0' 3 1/4"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.35	Vert(LL)	-0.13	14	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.59	Vert(CT)	-0.27	11-13	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.01	9	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 217 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3 *Except* W4,W5:2x4 SP No.2

REACTIONS (lb/size) 9=1051/ Mechanical, (min. 0' 1 1/2"), 15=1050/ Mechanical, (min. 0' 1 1/2")
Max Horiz 15=214 (LC 11)
Max Grav 9=1207 (LC 38), 15=1208 (LC 38)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-5.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 9-10.

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	1-21=-1355/0, 21-22=-1179/0, 2-22=-1175/0, 2-23=-1292/80, 3-23=-1171/91, 3-4=-1112/118, 4-24=-653/158, 24-25=-653/158, 25-26=-653/158, 5-26=-653/158, 5-27=-1094/118, 6-27=-1273/80, 6-28=-1161/0, 28-29=-1166/0, 7-29=-1330/0, 1-15=-1180/0, 7-9=-1190/0
BOT CHORD	14-15=-251/244, 13-14=0/606, 12-13=0/606, 11-12=0/606, 10-11=0/606
WEBS	6-10=-401/286, 14-17=-18/526, 4-17=-7/539, 5-18=-6/510, 10-18=-15/497, 2-14=-418/290, 7-10=0/887, 1-14=0/878

NOTES

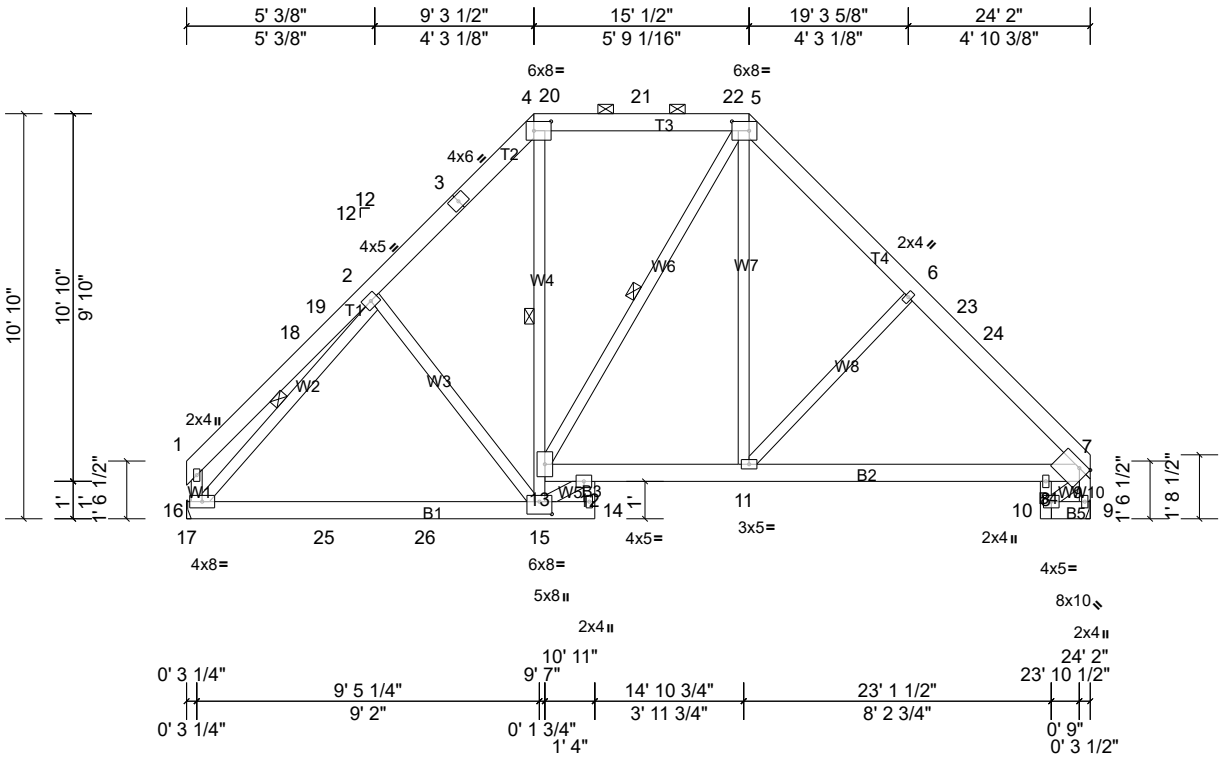
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) interior zone and C-C Exterior(2E) 0-3-4 to 3-3-4, Interior (1) 3-3-4 to 5-0-9, Exterior(2R) 5-0-9 to 19-3-7, Interior (1) 19-3-7 to 20-10-12, Exterior(2E) 20-10-12 to 23-10-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) 200.0lb AC unit load placed on the bottom chord, 12-5-8 from left end, supported at two points, 5-0-0 apart.
6) Provide adequate drainage to prevent water ponding.
7) All plates are 2x4 MT20 unless otherwise indicated.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * 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.
10) Refer to girder(s) for truss to truss connections.
11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	F4	Piggyback Base	2	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:50 — Page: 1

ID:5Wenf1tTcdz9gYyli4zI8Dz8hKq-M4A??rSVTr80XbxDgnJd1ICeGMTsWvkRxQN1P0z8Kt3



Scale = 1:61.6

Plate Offsets (X, Y): [4:0' 5 1/2",0' 3"], [5:0' 5 1/2",0' 3"], [7:0' 2 15/16",Edge], [15:0' 4",0' 4"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.52	Vert(LL)	-0.06	11-12	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.45	Vert(CT)	-0.09	15-16	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.05	9	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 219 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2 *Except* B3:2x4 SP No.3, B4:2x4 SP No.2
WEBS	2x4 SP No.3 *Except* W10,W6:2x4 SP No.2

REACTIONS (lb/size) 9=954/ Mechanical, (min. 0' 1 1/2"), 16=955/ Mechanical, (min. 0' 1 1/2")
Max Horiz 16=-214 (LC 10)
Max Uplift 9=-70 (LC 15), 16=-65 (LC 14)
Max Grav 9=1163 (LC 44), 16=1132 (LC 44)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-5.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 4-15, 5-13, 2-16

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	1-18=-342/73, 2-3=-1063/213, 3-4=-923/231, 4-20=-658/222, 20-21=-658/222, 21-22=-658/222, 5-22=-658/222, 5-6=-1134/224, 6-23=-1150/179, 23-24=-1218/172, 7-24=-1345/144, 1-16=-314/97, 7-9=-1123/97
BOT CHORD	16-25=-145/848, 25-26=-145/848, 15-26=-145/848, 11-12=-17/717, 8-11=-46/884, 7-8=-25/903
WEBS	4-13=-58/438, 5-11=-43/585, 12-15=-47/757, 6-11=-356/213, 2-16=-977/99

NOTES

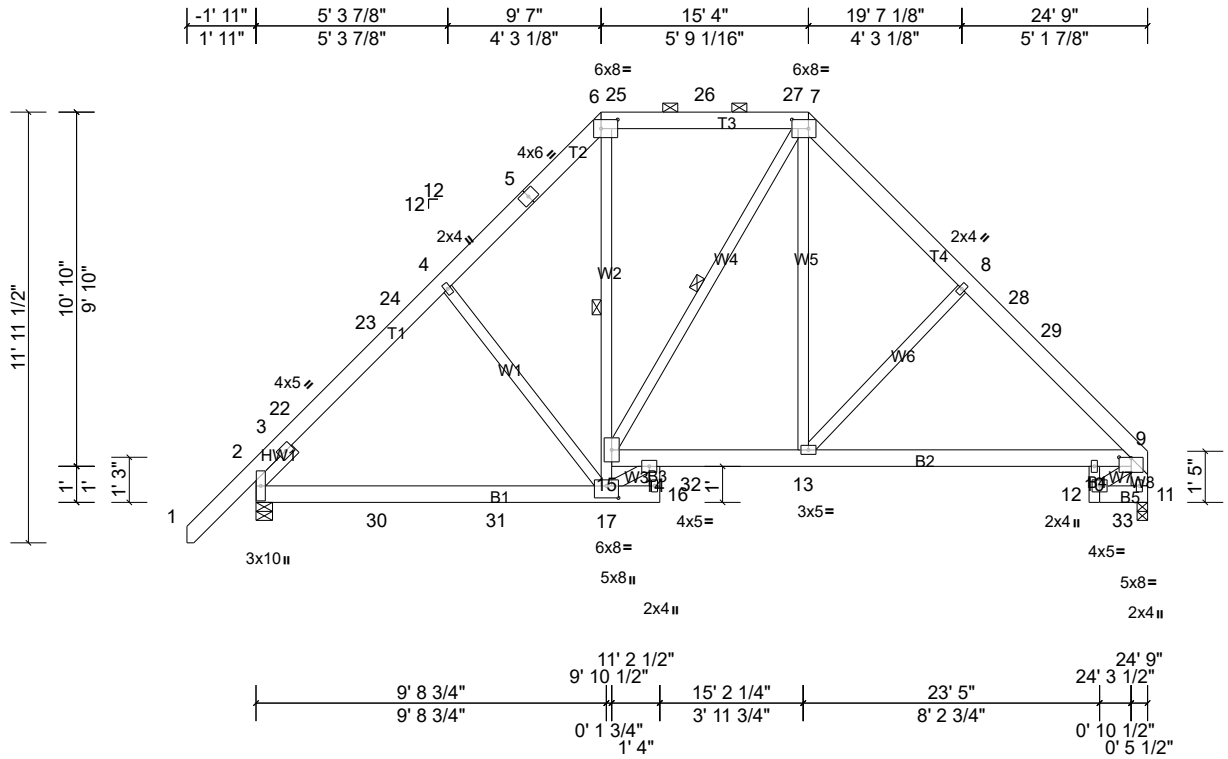
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-3-4 to 3-3-4, Interior (1) 3-3-4 to 4-9-12, Exterior(2R) 4-9-12 to 19-5-8, Interior (1) 19-5-8 to 21-1-0, Exterior(2E) 21-1-0 to 24-1-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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, with BCDL = 10.0psf.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 70 lb uplift at joint 9 and 65 lb uplift at joint 16.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	F5	Piggyback Base	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:51 — Page: 1

ID:stwBkOBAmGij0vUQ0_ThY4z8MgK-qHkNCBT7E9Gt9lWPEVrsZylsfmpdFLFb947axSz8Kt2



Scale = 1:64

Plate Offsets (X, Y): [2:0' 6 3/4",0' 1/8"], [6:0' 5 1/2",0' 3"], [7:0' 5 1/2",0' 3"], [9:0' 4",0' 1/4"], [17:0' 4",0' 4"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.35	Vert(LL)	-0.06	13-14	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.48	Vert(CT)	-0.10	10-13	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.07	11	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 220 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2 *Except* B3,B4:2x4 SP No.2
WEBS	2x4 SP No.3 *Except* W8:2x6 SP No.2, W4:2x4 SP No.2
SLIDER	Left 2x4 SP No.3 -- 1' 6"

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-11-14 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 6-17, 7-15

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

REACTIONS (lb/size) 2=1094/0' 5 1/2", (min. 0' 1 9/16"), 11=980/0' 3 1/2", (min. 0' 1 1/2")
Max Horiz 2=255 (LC 11)
Max Uplift 2=-111 (LC 14), 11=-72 (LC 15)
Max Grav 2=1328 (LC 45), 11=1226 (LC 45)

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

TOP CHORD 2-3=-732/0, 3-22=-1319/128, 22-23=-1301/132, 23-24=-1216/158, 4-24=-1152/166, 4-5=-1154/206, 5-6=-1019/224, 6-25=-730/219, 25-26=-730/219, 26-27=-730/219, 7-27=-730/219, 7-8=-1249/222, 8-28=-1265/178, 28-29=-1341/163, 9-29=-1430/141, 9-11=-1197/97

BOT CHORD 2-30=-235/963, 30-31=-137/963, 17-31=-137/963, 14-16=-271/0, 14-32=-13/795, 13-32=-13/795, 10-13=-42/979, 9-10=-28/974

WEBS 15-17=-84/265, 6-15=-59/501, 7-13=-44/682, 14-17=-48/821, 8-13=-382/217, 4-17=-316/224

NOTES

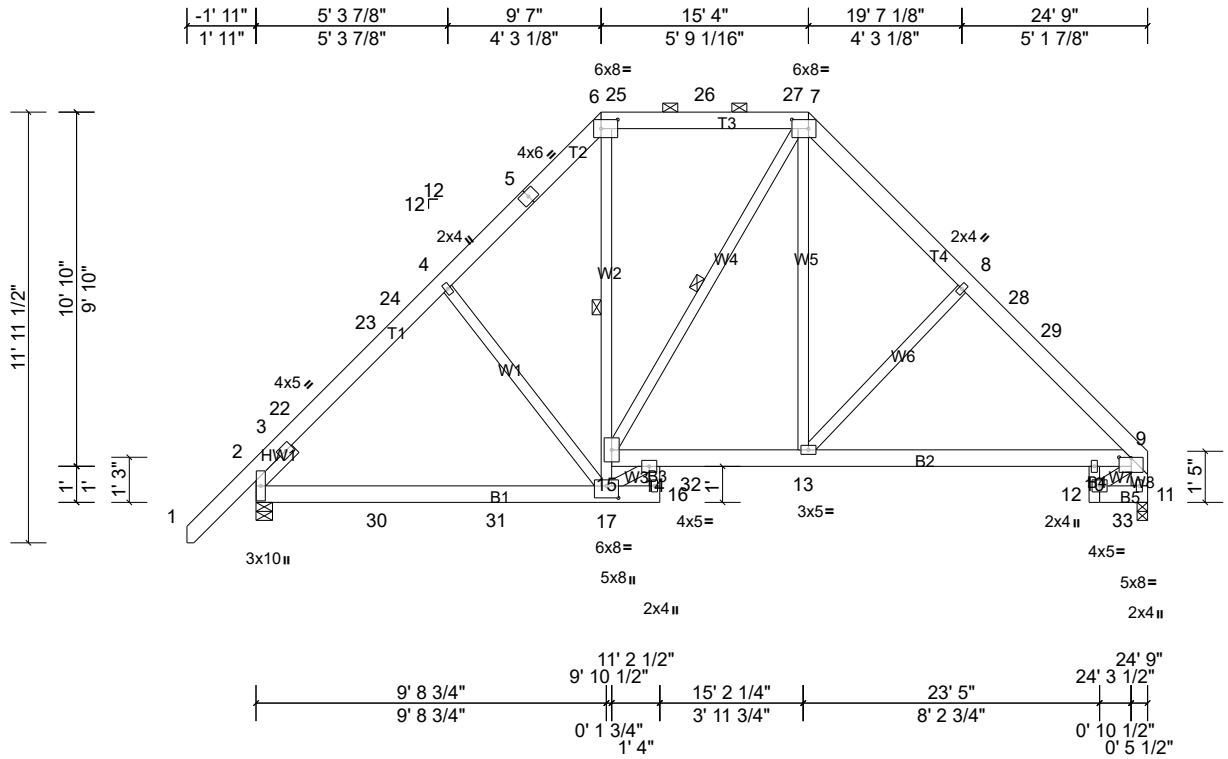
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-9-14 to 1-2-2, Interior (1) 1-2-2 to 5-2-3, Exterior(2R) 5-2-3 to 19-9-0, Interior (1) 19-9-0 to 21-6-13, Exterior(2E) 21-6-13 to 24-6-13 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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.
9) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 11. This connection is for uplift only and does not consider lateral forces.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	F6	Piggyback Base	2	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:52 — Page: 1

ID:Dvqn2L3yahvMG7ZSopHp?Uz8MfB-ITIlQWUl?SOjnu5cnCM56AH1PA9s_oVkOks7Uuz8Kt1



Scale = 1:64

Plate Offsets (X, Y): [2:0' 6 3/4",0' 1/8"], [6:0' 5 1/2",0' 3"], [7:0' 5 1/2",0' 3"], [9:0' 4",0' 1/4"], [17:0' 4",0' 4"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.35	Vert(LL)	-0.06	13-14	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.48	Vert(CT)	-0.10	10-13	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.07	11	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 220 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2 *Except* B3,B4:2x4 SP No.2
WEBS	2x4 SP No.3 *Except* W8:2x6 SP No.2, W4:2x4 SP No.2
SLIDER	Left 2x4 SP No.3 -- 1' 6"

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-11-14 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 6-17, 7-15

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

REACTIONS (lb/size) 2=1094/0' 5 1/2", (min. 0' 1 9/16"), 11=980/0' 3 1/2", (min. 0' 1 1/2")
Max Horiz 2=278 (LC 13)
Max Uplift 2=-111 (LC 14), 11=-73 (LC 15)
Max Grav 2=1328 (LC 45), 11=1226 (LC 45)

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

TOP CHORD 2-3=-734/0, 3-22=-1319/129, 22-23=-1301/132, 23-24=-1216/158, 4-24=-1152/166, 4-5=-1154/207, 5-6=-1019/224, 6-25=-730/219, 25-26=-730/219, 26-27=-730/219, 7-27=-730/219, 7-8=-1249/218, 8-28=-1265/174, 28-29=-1341/158, 9-29=-1430/137, 9-11=-1197/94

BOT CHORD 2-30=-250/970, 30-31=-145/970, 17-31=-145/970, 14-16=-271/0, 14-32=-30/803, 13-32=-30/803, 10-13=-6/979, 9-10=0/974

WEBS 15-17=-84/265, 6-15=-59/501, 7-13=-48/676, 14-17=-63/828, 8-13=-381/217, 4-17=-316/224

NOTES

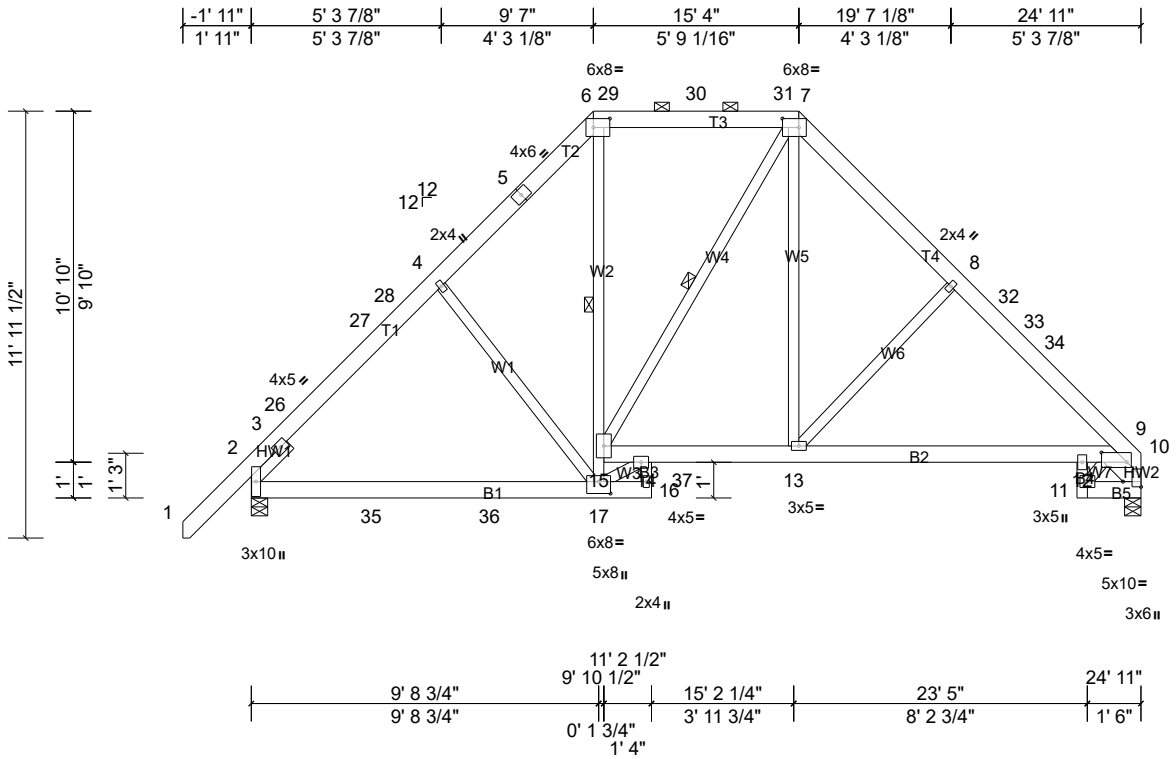
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-9-14 to 1-2-2, Interior (1) 1-2-2 to 5-2-3, Exterior(2R) 5-2-3 to 19-9-0, Interior (1) 19-9-0 to 21-6-13, Exterior(2E) 21-6-13 to 24-6-13 zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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.
9) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 11. This connection is for uplift only and does not consider lateral forces.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	F7	Piggyback Base	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:53 — Page: 1

ID:2tnK0rlj9C5HctQPeHoApVz8MeI-nfr7dsVOmmWaP2goLwtKfNq94ZStjF_udOch0Kz8Kt0



Scale = 1:64.5

Plate Offsets (X, Y): [2:0' 6 3/4",0' 1/8"], [6:0' 5 1/2",0' 3"], [7:0' 5 1/2",0' 3"], [9:0' 8 1/2",0' 3 1/4"], [10:Edge,0' 6"], [17:0' 4",0' 4"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.55	Vert(LL)	-0.11	12-13	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.69	Vert(CT)	-0.21	12-13	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.07	10	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 222 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2 *Except* B3,B4:2x4 SP No.2
WEBS	2x4 SP No.3 *Except* W4:2x4 SP No.2
SLIDER	Left 2x4 SP No.3 -- 1' 6", Right 2x6 SP No.2 -- 1' 1 7/16"

REACTIONS (lb/size) 2=1110/0' 5 1/2", (min. 0' 1 9/16"), 10=993/0' 5 1/2", (min. 0' 1 1/2")
Max Horiz 2=256 (LC 13)
Max Uplift 2=-112 (LC 14), 10=-74 (LC 15)
Max Grav 2=1347 (LC 45), 10=1234 (LC 45)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-8-11 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 14-16. 10-0-0 oc bracing: 12-13
WEBS	1 Row at midpt 6-17, 7-15

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 2-3=-748/0, 3-26=-1341/130, 26-27=-1323/133, 27-28=-1237/159, 4-28=-1175/167, 4-5=-1176/208, 5-6=-1041/225, 6-29=-746/220, 29-30=-746/220, 30-31=-746/220, 7-31=-746/220, 7-8=-1326/227, 8-32=-1333/181, 32-33=-1401/167, 33-34=-1421/162, 9-34=-1506/159, 9-10=-13/577

BOT CHORD 2-35=-235/980, 35-36=-131/980, 17-36=-131/980, 14-16=-262/0, 14-37=-10/838, 13-37=-10/838, 12-13=-36/1049, 9-12=-19/976, 11-12=-51/383, 10-11=-63/359

WEBS 6-15=-60/512, 7-13=-49/792, 14-17=-47/844, 8-13=-422/218, 4-17=-315/224, 9-11=-389/68

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-9-14 to 1-2-2, Interior (1) 1-2-2 to 5-2-3, Exterior(2R) 5-2-3 to 19-9-0, Interior (1) 19-9-0 to 21-11-0, Exterior(2E) 21-11-0 to 24-11-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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.
9) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 10 and 2. This connection is for uplift only and does not consider lateral forces.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Continued on page 2

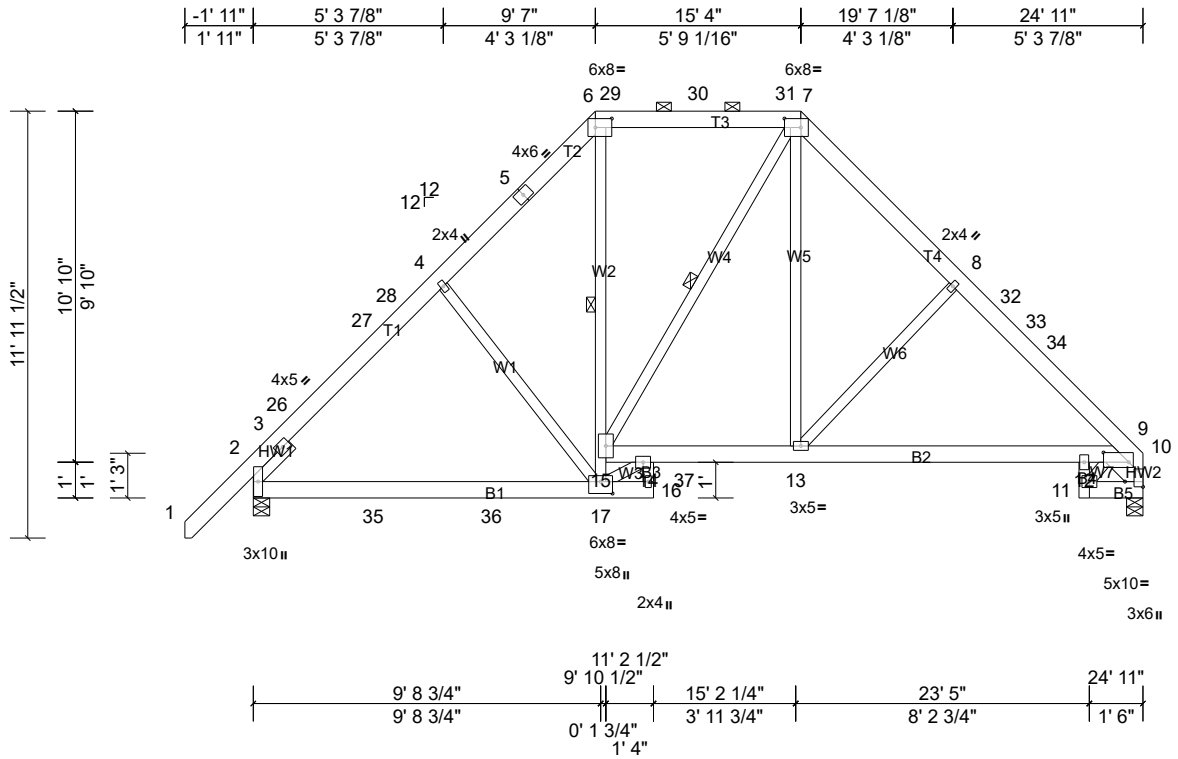
Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	F7	Piggyback Base	1	1	Job Reference (optional)

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	F8	Piggyback Base	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:53 — Page: 1

ID:gimdqwRnx7XlhIPNuV_4Tdz8Mp1-nfr7dsVOmmWaP2goLwtKfNq94ZSsjF_udOch0Kz8Kt0



Scale = 1:64.5

Plate Offsets (X, Y): [2:0' 6 3/4",0' 1/8"], [6:0' 5 1/2",0' 3"], [7:0' 5 1/2",0' 3"], [9:0' 8 1/2",0' 3 1/4"], [10:Edge,0' 6"], [17:0' 4",0' 4"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.55	Vert(LL)	-0.11	12-13	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.69	Vert(CT)	-0.21	12-13	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.07	10	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 222 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2 *Except* B3,B4:2x4 SP No.2
WEBS	2x4 SP No.3 *Except* W4:2x4 SP No.2
SLIDER	Left 2x4 SP No.3 -- 1' 6", Right 2x6 SP No.2 -- 1' 1 7/16"

REACTIONS (lb/size) 2=1110/0' 5 1/2", (min. 0' 1 9/16"), 10=993/0' 5 1/2", (min. 0' 1 1/2")
Max Horiz 2=256 (LC 11)
Max Uplift 2=-112 (LC 14), 10=-74 (LC 15)
Max Grav 2=1347 (LC 45), 10=1234 (LC 45)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-8-11 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 14-16. 10-0-0 oc bracing: 12-13
WEBS	1 Row at midpt 6-17, 7-15

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	2-3=-748/0, 3-26=-1341/130, 26-27=-1323/133, 27-28=-1237/159, 4-28=-1175/167, 4-5=-1176/208, 5-6=-1041/225, 6-29=-746/220, 29-30=-746/220, 30-31=-746/220, 7-31=-746/220, 7-8=-1326/227, 8-32=-1333/181, 32-33=-1401/167, 33-34=-1421/162, 9-34=-1506/159, 9-10=-13/576
BOT CHORD	2-35=-235/980, 35-36=-131/980, 17-36=-131/980, 14-16=-262/0, 14-37=-10/838, 13-37=-10/838, 12-13=-36/1049, 9-12=-19/976, 11-12=-51/383, 10-11=-63/359
WEBS	6-15=-60/512, 7-13=-49/792, 14-17=-47/844, 4-17=-315/224, 8-13=-422/218, 9-11=-389/68

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-9-14 to 1-2-2, Interior (1) 1-2-2 to 5-2-3, Exterior(2R) 5-2-3 to 19-9-0, Interior (1) 19-9-0 to 21-11-0, Exterior(2E) 21-11-0 to 24-11-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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.
9) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 10 and 2. This connection is for uplift only and does not consider lateral forces.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Continued on page 2

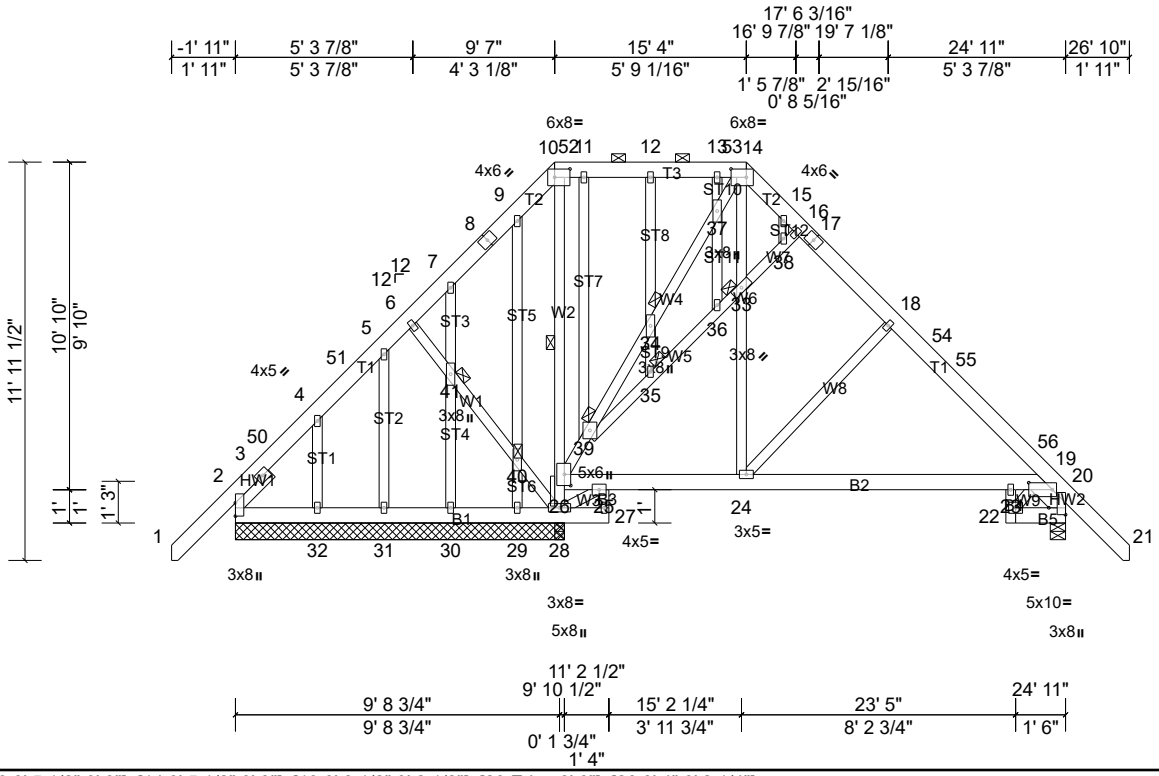
Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	F8	Piggyback Base	1	1	Job Reference (optional)

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	F9	Piggyback Base Structural Gable	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:54 — Page: 1

ID:RA029Y6TwJ_zLS6eMzG8Xvz8MZz-FrPWrCW0X4eR0CF_vdOZBbNO4zu7SgG1s2LEYnz8Kt?



Scale = 1:69.2

Plate Offsets (X, Y): [10:0' 5 1/2",0' 3"], [14:0' 5 1/2",0' 3"], [19:0' 8 1/2",0' 2 1/2"], [20:Edge,0' 6"], [26:0' 4",0' 2 1/4"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	-0.06	23-24	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.30	Vert(CT)	-0.13	23-24	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.47	Horz(CT)	0.01	20	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 302 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2 *Except* B3,B4:2x4 SP No.2
WEBS	2x4 SP No.3 *Except* W4:2x4 SP No.2
OTHERS	2x4 SP No.3 *Except* O1:2x4 SPF No.2(flat)
SLIDER	Left 2x4 SP No.3 -- 1' 6", Right 2x6 SP No.2 -- 1' 1 7/16"

REACTIONS All bearings 9' 10 1/2". except 20=0' 5 1/2", 28=0' 3 1/2"

(lb) - Max Horiz 2=270 (LC 13), 42=270 (LC 13)

Max Uplift All uplift 100 (lb) or less at joint(s) 30, 31 except 2=-117 (LC 10), 20=-145 (LC 15), 29=-104 (LC 15), 32=-161 (LC 14), 42=-117 (LC 10)

Max Grav All reactions 250 (lb) or less at joint(s) 2, 30, 31, 42 except 20=711 (LC 39), 28=1092 (LC 22), 29=253 (LC 39), 32=268 (LC 47)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (10-0-0 max.): 10-14.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 10-28
JOINTS	1 Brace at Jt(s): 33, 34, 35, 39, 40, 41

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 4-50=-118/283, 5-6=0/253, 6-7=0/311, 7-8=0/305, 8-9=0/374, 9-10=0/340, 15-16=-276/190, 16-17=-261/183, 17-18=-388/175, 18-54=-405/156, 54-55=-490/142, 55-56=-568/133, 19-56=-597/121, 19-20=-23/313

BOT CHORD 25-26=-13/354, 23-24=0/388, 19-23=0/361

WEBS 26-28=-955/0, 10-26=-309/48, 24-33=-9/417, 14-33=-15/410, 26-39=-813/29, 34-39=-566/0, 34-37=-581/0, 14-37=-512/0, 25-28=-273/229, 18-24=-315/175

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-9-14 to 1-2-2, Interior (1) 1-2-2 to 5-2-3, Exterior(2R) 5-2-3 to 19-9-0, Interior (1) 19-9-0 to 23-8-14, Exterior(2E) 23-8-14 to 26-8-14 zone;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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
7) Provide adequate drainage to prevent water ponding.
8) All plates are 2x4 MT20 unless otherwise indicated.
9) Gable studs spaced at 2-0-0 oc.
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
11) * 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.

Continued on page 2

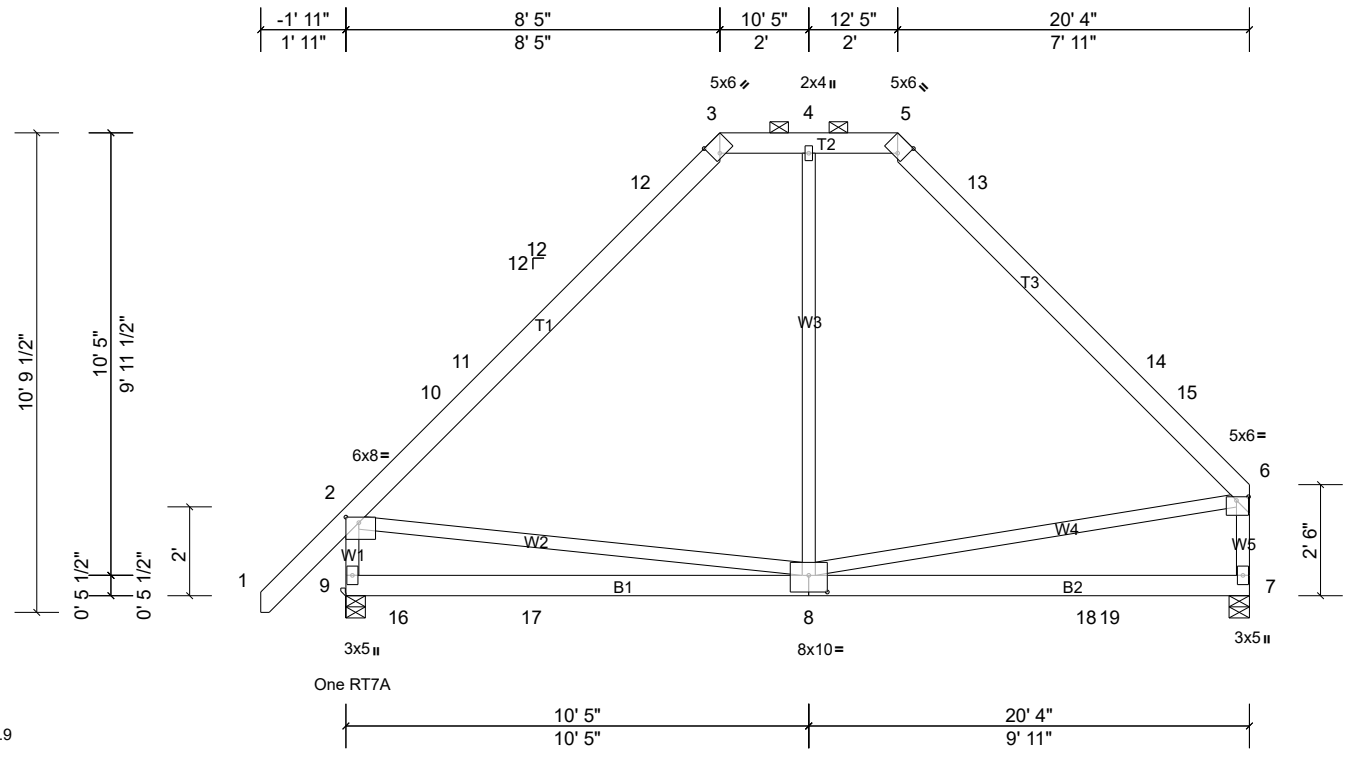
12) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 20, 29, 30, 31, and 32. This connection is for uplift only and does not consider lateral forces.
13) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
15) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	G1	Piggyback Base	2	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:55 — Page: 1

ID:pI1MlmpvjelzI7Ok74IClez8MXm-j2zu2YWeINmIeMqBTLvokovRQNBsB9uA4i5o4Dz8Kt_



Scale = 1:51.9

Plate Offsets (X, Y): [2:0' 3 1/2",0' 1 1/2"], [3:0' 2 1/8",Edge], [5:0' 2 1/8",Edge], [6:0' 3 1/4",0' 1"], [8:0' 5",0' 4 1/2"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.81	Vert(LL)	-0.07	8-9	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.40	Vert(CT)	-0.15	8-9	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.00	7	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 167 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.2 *Except* W4,W3:2x4 SP No.3

REACTIONS (lb/size) 7=796/0' 5 1/2", (min. 0' 1 1/2"), 9=926/0' 5 1/4", (min. 0' 1 1/2")
Max Horiz 9=226 (LC 11)
Max Uplift 7=-86 (LC 11), 9=-89 (LC 11)
Max Grav 7=986 (LC 39), 9=1106 (LC 39)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-11-12 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-5.
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.

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

TOP CHORD	2-10=-960/295, 10-11=-815/301, 11-12=-710/312, 3-12=-539/346, 3-4=-499/347, 4-5=-499/347, 5-13=-538/345, 13-14=-710/310, 14-15=-813/299, 6-15=-937/293, 2-9=-1015/325, 6-7=-902/299
BOT CHORD	9-16=-346/411, 16-17=-346/411, 8-17=-346/411
WEBS	2-8=-203/418, 6-8=-175/415, 4-8=-206/382

NOTES

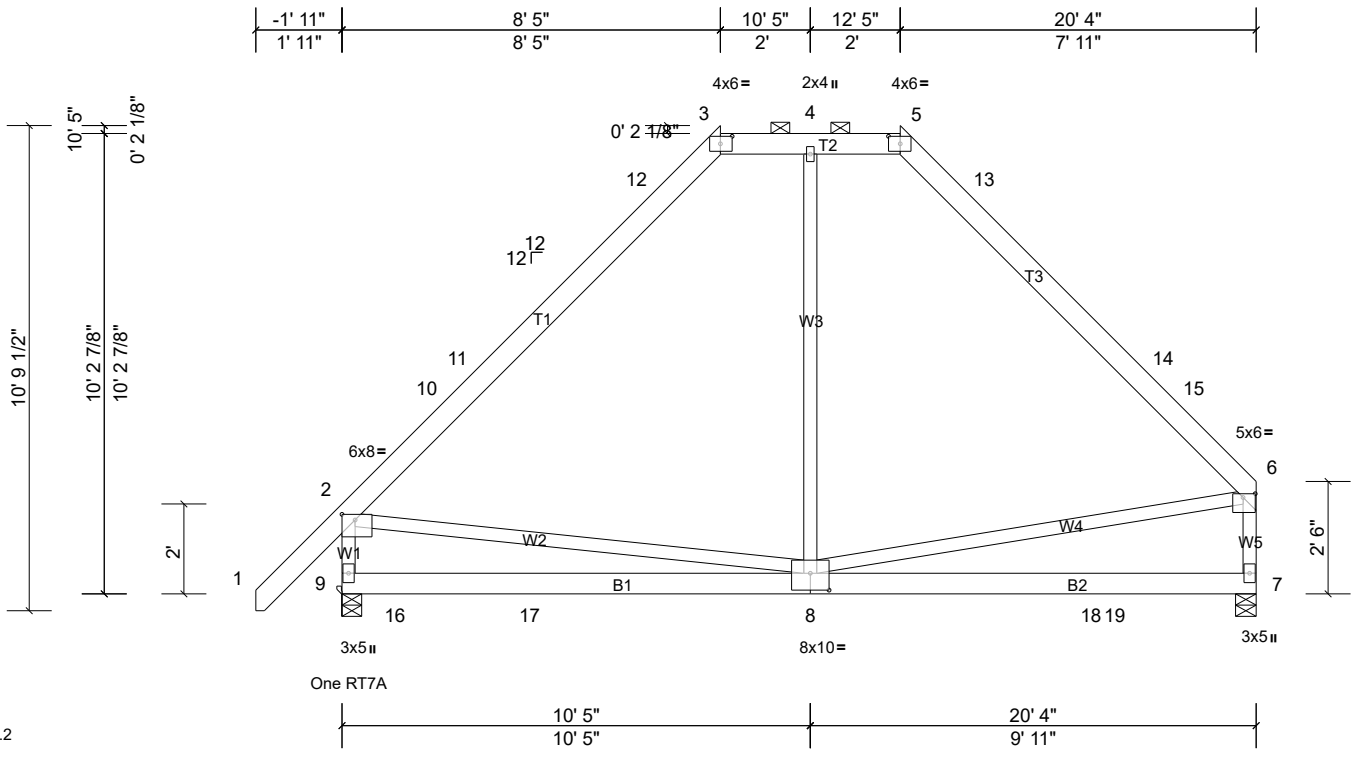
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-9-14 to 1-2-2, Interior (1) 1-2-2 to 4-2-1, Exterior(2R) 4-2-1 to 16-7-15, Interior (1) 16-7-15 to 17-2-4, Exterior(2E) 17-2-4 to 20-2-4 zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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.
9) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 9 and 7. This connection is for uplift only and does not consider lateral forces.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	G2	Hip	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:56 — Page: 1

ID:lrEsoAssS3bm4KyG98rNEnz8MWQ-BEXGGuXG3hu9GWPN02Q1G0ScCnX5wcCKJMqLcfz8Ksz



Scale = 1:51.2

Plate Offsets (X, Y): [2:0' 3 1/2",0' 1 1/2"], [3:0' 3 1/8",0' 2"], [5:0' 3 1/8",0' 2"], [6:0' 3 1/4",0' 1"], [8:0' 5",0' 4 1/2"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.81	Vert(LL)	-0.07	8-9	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.40	Vert(CT)	-0.15	8-9	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.00	7	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 166 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.2 *Except* W3,W4:2x4 SP No.3

REACTIONS (lb/size) 7=796/0' 5 1/2", (min. 0' 1 1/2"), 9=926/0' 5 1/4", (min. 0' 1 1/2")
Max Horiz 9=222 (LC 11)
Max Uplift 7=-84 (LC 11), 9=-91 (LC 11)
Max Grav 7=986 (LC 39), 9=1106 (LC 39)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-11-12 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-5.
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.

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

TOP CHORD	2-10=-963/296, 10-11=-820/302, 11-12=-715/313, 3-12=-545/347, 3-4=-508/348, 4-5=-508/348, 5-13=-544/346, 13-14=-715/312, 14-15=-817/301, 6-15=-939/295, 2-9=-1015/325, 6-7=-902/299
BOT CHORD	9-16=-338/405, 16-17=-338/405, 8-17=-338/405
WEBS	4-8=-203/380, 6-8=-173/424, 2-8=-201/417

NOTES

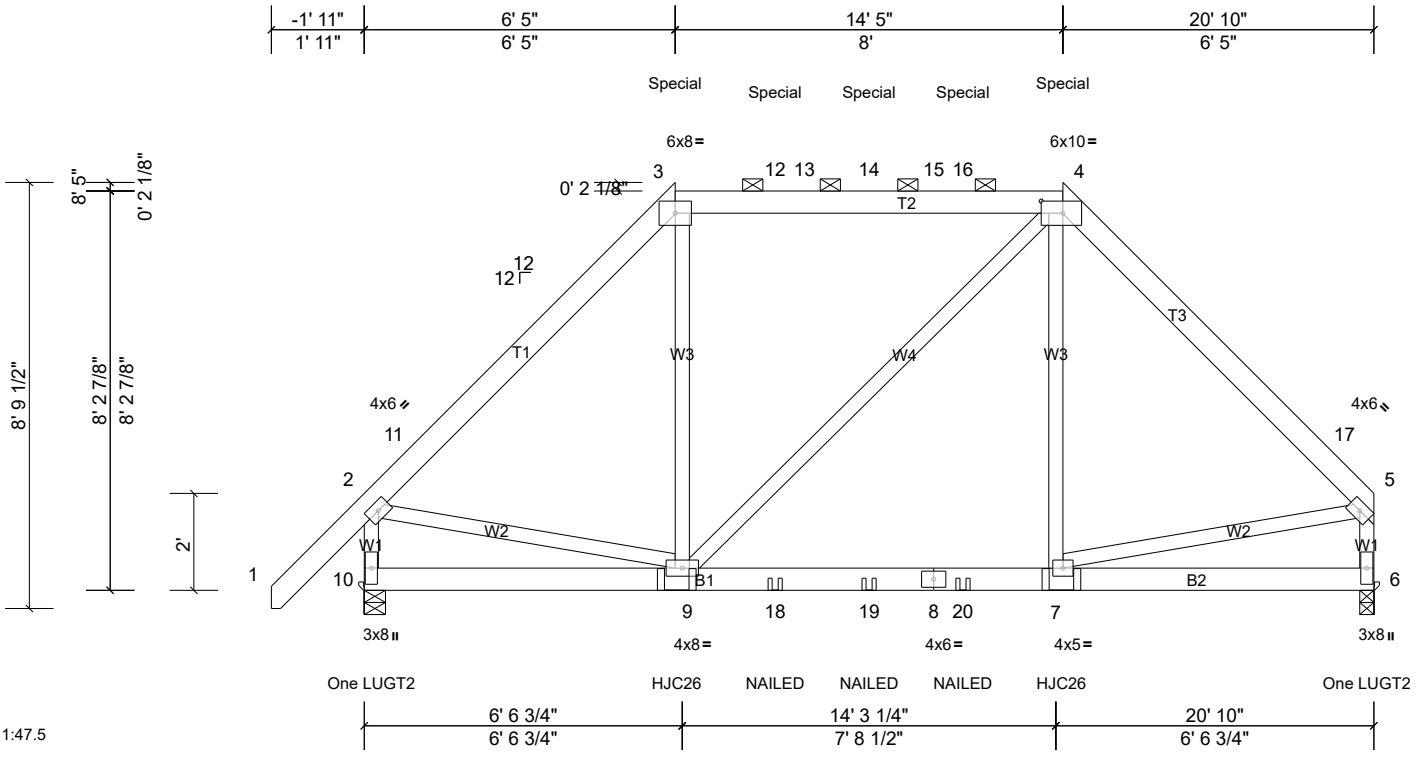
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-9-14 to 1-2-2, Interior (1) 1-2-2 to 4-2-1, Exterior(2R) 4-2-1 to 16-7-15, Interior (1) 16-7-15 to 17-2-4, Exterior(2E) 17-2-4 to 20-2-4 zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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.
9) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 7 and 9. This connection is for uplift only and does not consider lateral forces.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	G3	Hip Girder	1	2	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:56 — Page: 1

ID:BV9McEL0Vr4JKEsvsTYDjjz8MUV-BEXGGuXG3hu9GWPN02Q1G0ScDnZdwc6KJMqLcfz8Ksz



Scale = 1:47.5

Plate Offsets (X, Y): [4:0' 5 3/8",0' 3"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.81	Vert(LL)	0.05	7-9	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.30	Vert(CT)	-0.06	7-9	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.32	Horz(CT)	0.01	6	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 355 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3 *Except* W4:2x4 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 6=2044/0' 3 1/2", (min. 0' 1 1/2"), 10=2167/0' 5 1/4", (min. 0' 1 1/2")
Max Horiz 10=231 (LC 9)
Max Uplift 6=-1090 (LC 13), 10=-1122 (LC 12)
Max Grav 6=2281 (LC 47), 10=2383 (LC 45)

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

TOP CHORD	2-11=-2411/1239, 3-11=-2240/1287, 3-12=-1646/1026, 12-13=-1646/1026, 13-14=-1646/1026, 14-15=-1646/1026, 15-16=-1646/1026, 4-16=-1646/1026, 4-17=-2262/1284, 5-17=-2425/1239, 2-10=-2297/1164, 5-6=-2195/1129
BOT CHORD	9-10=-234/252, 9-18=-904/1666, 18-19=-904/1666, 8-19=-904/1666, 8-20=-904/1666, 7-20=-904/1666
WEBS	2-9=-943/1686, 5-7=-948/1654, 3-9=-379/647, 4-7=-337/639

NOTES

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2x6 - 2 rows staggered at 0' 9" oc, 2x4 - 1 row at 0' 9" oc.
   Bottom chords connected as follows: 2x6 - 2 rows staggered at 0' 9" oc.
   Web connected as follows: 2x4 - 1 row at 0' 9" oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
6) Unbalanced snow loads have been considered for this design.
7) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
8) Provide adequate drainage to prevent water ponding.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * 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.
11) One LUGT2 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 10 and 6. This connection is for uplift only and does not consider lateral forces.
12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Continued on page 2

14) Use MiTek HJC26 (With 16-16d nails into Girder & 10d nails into Truss) or equivalent spaced at 7-11-4 oc max. starting at 6-5-6 from the left end to 14-4-10 to connect truss (es) J06A (1 ply 2x6 SP), CJ08 (1 ply 2x6 SP), J06A (1 ply 2x6 SP), CJ08 (1 ply 2x6 SP) to front face of bottom chord.
15) Fill all nail holes where hanger is in contact with lumber.
16) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
17) Minimum of a double stud required directly beneath this truss to attach LUGT2 tiedown.
18) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 251 lb down and 177 lb up at 6-5-0, 272 lb down and 177 lb up at 8-5-12, 272 lb down and 172 lb up at 10-5-0, and 272 lb down and 177 lb up at 12-4-4, and 251 lb down and 177 lb up at 14-5-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.

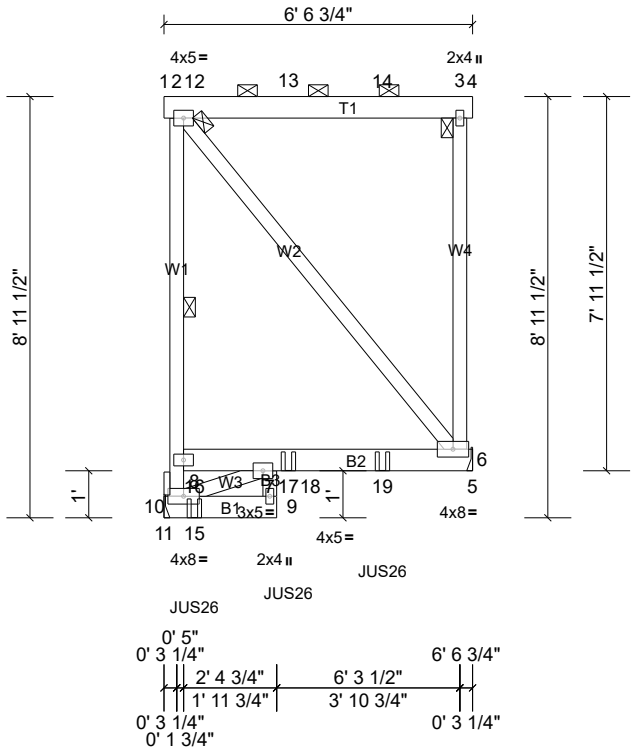
LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (lb/ft)
   Vert: 1-2=-60, 2-3=-60, 3-4=-60, 4-5=-60, 6-10=-20
   Concentrated Loads (lb)
   Vert: 3=-218 (F), 4=-218 (F), 9=-594 (F), 7=-594 (F), 12=-218 (F), 14=-218 (F), 16=-218 (F), 18=-58 (F), 19=-58 (F), 20=-58 (F)

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	GR1	Roof Special Girder	1	2	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:57 — Page: 1

ID:7ezKZgxaYYqvfOtlQPEpW?z8NNq-fQ5eTEYuq?00tg_ZamxGpD?nbBqff82TY0au86z8Ksy



Scale = 1:49

Loading	(psf)	Spacing	1' 11 1/4"	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.77	Vert(LL)	-0.07	6-7	>989	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.63	Vert(CT)	-0.11	6-7	>669	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.02	Horz(CT)	0.05	6	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 149 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2 *Except* B3:2x4 SP No.3
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.2(flat)

BRACING

TOP CHORD	2-0-0 oc purlins (6-0-0 max.): 1-4, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 2-10

REACTIONS (lb/size) 6=1364/ Mechanical, (min. 0' 1 1/2"), 10=1947/ Mechanical, (min. 0' 1 1/2")
Max Uplift 6=-274 (LC 9), 10=-434 (LC 8)
Max Grav 6=1395 (LC 21), 10=1988 (LC 22)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 8-10=-1494/238, 2-8=-1075/87, 3-6=-766/82
BOT CHORD 10-15=-71/257, 9-15=-71/257

NOTES

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0' 9" oc, 2x6 - 2 rows staggered at 0' 9" oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0' 9" oc, 2x4 - 1 row at 0' 9" oc.
Web connected as follows: 2x4 - 1 row at 0' 9" oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; Lumber DOL=1.60 plate grip DOL=1.60
4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 434 lb uplift at joint 10 and 274 lb uplift at joint 6.
11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Use MiTek JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 0-7-12 from the left end to 4-7-12 to connect truss(es) J07A (1 ply 2x6 SP), J07 (1 ply 2x6 SP) to back face of bottom chord.
14) Fill all nail holes where hanger is in contact with lumber.
15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 522 lb down and 18 lb up at 0-7-12, and 517 lb down and 16 lb up at 2-7-12, and 517 lb down and 16 lb up at 4-7-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
16) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	GR1	Roof Special Girder	1	**2**	Job Reference (optional)

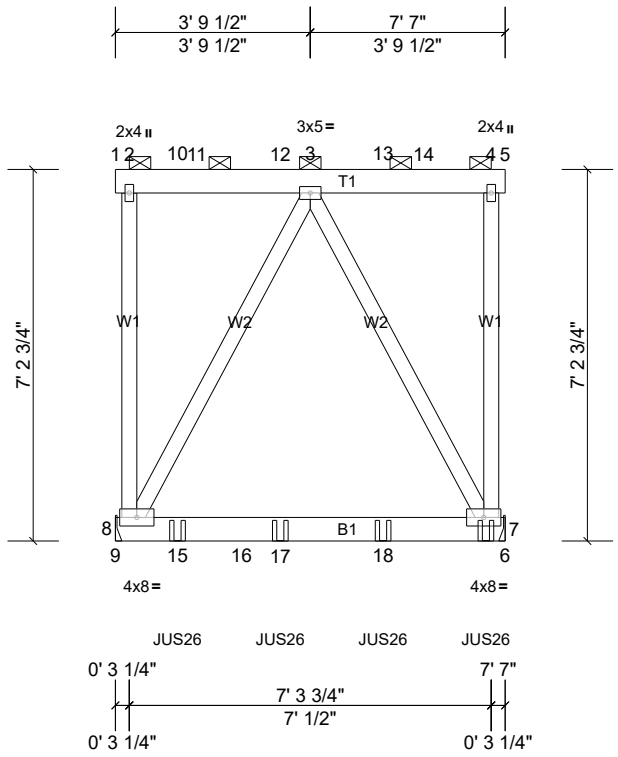
LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (lb/ft)
   Vert: 1-2=-58, 2-3=-58, 3-4=-58, 9-10=-19, 5-7=-19
   Concentrated Loads (lb)
   Vert: 12=-500, 13=-489, 14=-489, 15=-432 (B), 17=-449 (B), 19=-449 (B)

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	GR2	Flat Girder	1	2	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:58 — Page: 1

ID:YBxy9hFcVcii8FcPaxEAn0z8e5l-7df0gaZWbI8tVpZm8TTVLRX3?a8QOYkdmgJSgYz8Ksx



Scale = 1:44.8

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.34	Vert(LL)	0.13	7-8	>673	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.73	Vert(CT)	-0.16	7-8	>539	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.25	Horz(CT)	0.00	7	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 151 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3

BRACING

TOP CHORD	2-0-0 oc purlins: 1-5, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 7=2644/ Mechanical, (min. 0' 1 1/2"), 8=2848/ Mechanical, (min. 0' 1 1/2")
Max Uplift 7=-597 (LC 9), 8=-497 (LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-1346/80, 4-7=-985/71
BOT CHORD 8-15=-38/471, 15-16=-38/471, 16-17=-38/471, 17-18=-38/471, 7-18=-38/471
WEBS 3-8=-1020/82, 3-7=-1020/82

NOTES

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0' 9" oc, 2x6 - 2 rows staggered at 0' 9" oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0' 9" oc.
Web connected as follows: 2x4 - 1 row at 0' 9" oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; Lumber DOL=1.60 plate grip DOL=1.60
4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 497 lb uplift at joint 8 and 597 lb uplift at joint 7.
11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Use MiTek JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-2-8 from the left end to 7-2-8 to connect truss(es) J05D (1 ply 2x6 SP) to front face of bottom chord.
14) Fill all nail holes where hanger is in contact with lumber.
15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 769 lb down and 35 lb up at 0-0-0, 754 lb down and 29 lb up at 1-2-8, 754 lb down and 29 lb up at 3-2-8, and 754 lb down and 29 lb up at 5-2-8, and 769 lb down and 36 lb up at 7-7-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

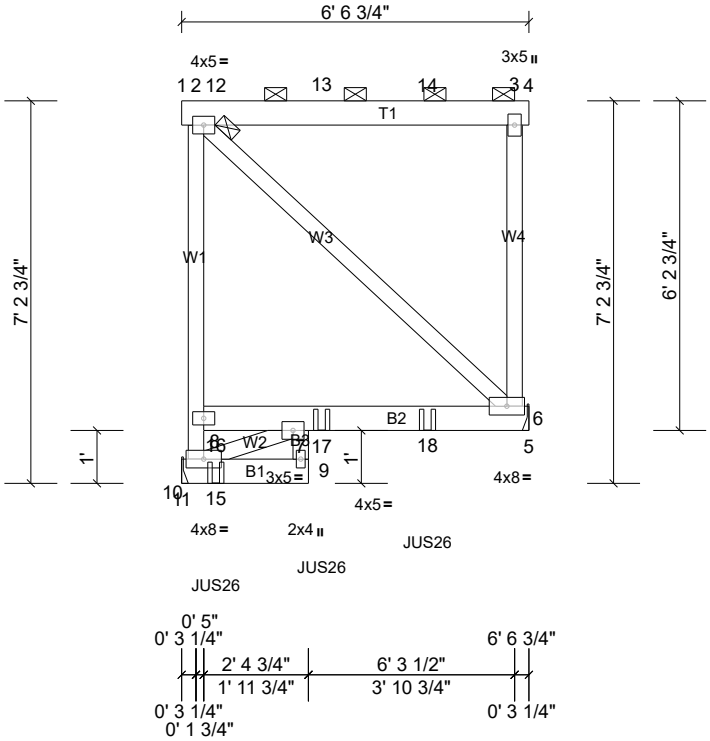
Continued on page 2

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (lb/ft)
   Vert: 1-2=-60, 2-4=-60, 4-5=-60, 6-9=-20
   Concentrated Loads (lb)
   Vert: 2=-754, 4=-754, 7=-304 (F), 10=-726, 12=-726, 13=-726, 15=-298 (F), 17=-298 (F), 18=-298 (F)

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	GR3	Roof Special Girder	1	2	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:58 — Page: 1

ID:FEMyZNwNTR1PtrZKgwBpl4z8NMZ-7df0gaZWbl8tVpZm8TTVLRXzkaEBObNdmgJSgYz8Ksx



Scale = 1:43.5

Loading	(psf)	Spacing	1' 11 1/4"	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.75	Vert(LL)	0.04	6-7	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.36	Vert(CT)	-0.06	6-7	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.02	Horz(CT)	0.02	6	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 135 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2 *Except* B3:2x4 SP No.3
WEBS	2x4 SP No.3

BRACING

TOP CHORD	2-0-0 oc purlins (6-0-0 max.): 1-4, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 6=1174/ Mechanical, (min. 0' 1 1/2"), 10=1678/ Mechanical, (min. 0' 1 1/2")
Max Uplift 6=-275 (LC 9), 10=-434 (LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 8-10=-1346/243, 2-8=-1064/98, 3-6=-758/90

NOTES

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0' 9" oc, 2x6 - 2 rows staggered at 0' 9" oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0' 9" oc, 2x4 - 1 row at 0' 9" oc.
Web connected as follows: 2x4 - 1 row at 0' 9" oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; Lumber DOL=1.60 plate grip DOL=1.60
4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 434 lb uplift at joint 10 and 275 lb uplift at joint 6.
11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Use MiTek JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 0-7-12 from the left end to 4-7-12 to connect truss(es) J04C (1 ply 2x6 SP), J04A (1 ply 2x6 SP) to front face of bottom chord.
14) Fill all nail holes where hanger is in contact with lumber.
15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 515 lb down and 25 lb up at 0-7-12, and 510 lb down and 23 lb up at 2-7-12, and 510 lb down and 23 lb up at 4-7-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-58, 2-3=-58, 3-4=-58, 9-10=-19, 5-7=-19

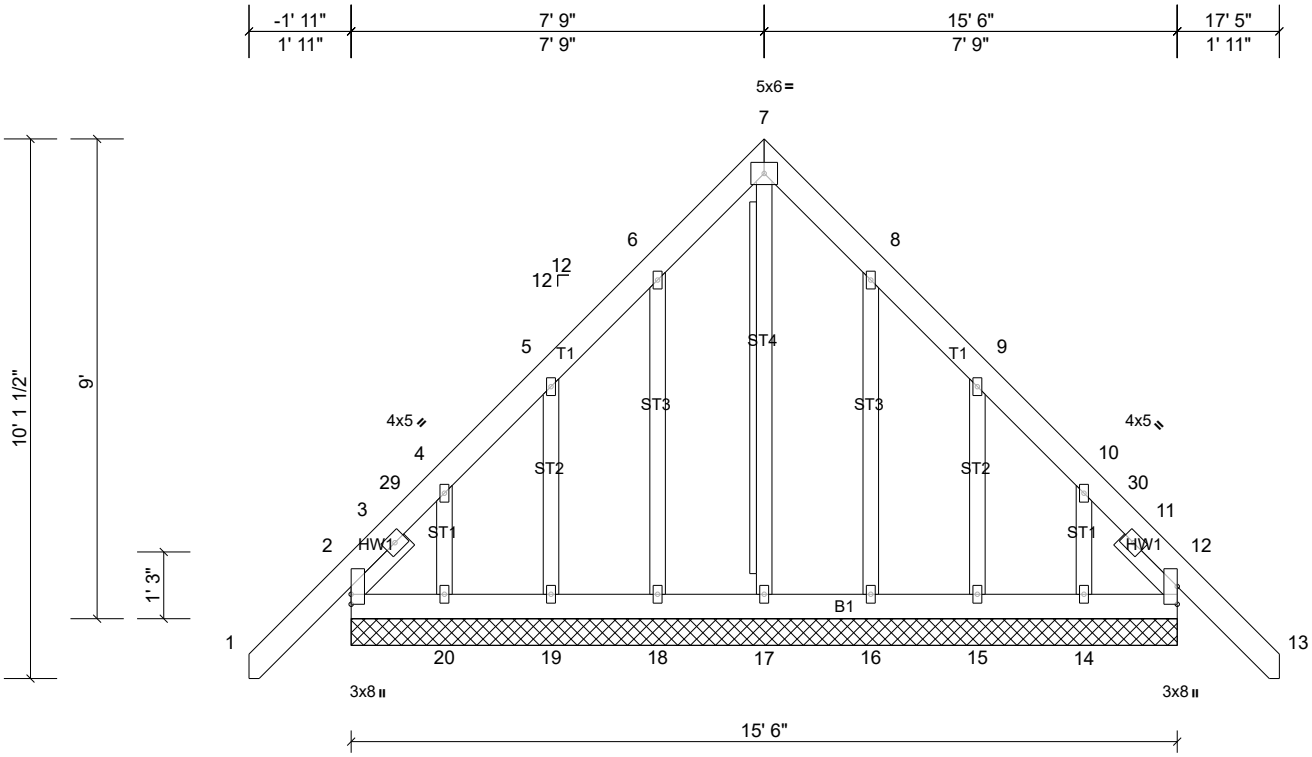
Continued on page 2

Concentrated Loads (lb)
Vert: 12=-493, 13=-483, 14=-483, 15=-304 (F), 17=-293 (F), 18=-293 (F)

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	H1	Common Supported Gable	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:59 — Page: 1

ID:1keL8XEQ3bPpCcW7C0tZjKz8MTL-bpDPuwZ8McGk7z8yiA_kue4Hq_fF70Bm?K3?C_z8Ksw



Scale = 1:43.2

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.00	12	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 154 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
OTHERS	2x4 SP No.3 *Except* O1:2x4 SPF No.2(flat)
SLIDER	Left 2x4 SP No.3 -- 1' 6", Right 2x4 SP No.3 -- 1' 6"

REACTIONS All bearings 15' 6".

(lb) - Max Horiz 2=-225 (LC 12), 21=-225 (LC 12)

Max Uplift All uplift 100 (lb) or less at joint(s) 2, 12, 15, 16, 18, 19, 21, 25 except 14=-150 (LC 15), 20=-161 (LC 14)

Max Grav All reactions 250 (lb) or less at joint(s) 14, 15, 17, 19, 20 except 2=270 (LC 25), 12=260 (LC 22), 16=269 (LC 22), 18=269 (LC 21), 21=270 (LC 25), 25=260 (LC 22)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	T-Brace: 2x4 SPF No.2 - 7-17

Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c.,with 3in minimum end distance. Brace must cover 90% of web length.

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.

BOT CHORD 2-20=-93/288, 19-20=-93/289, 18-19=-93/289, 17-18=-93/290, 16-17=-93/290, 15-16=-93/289, 14-15=-92/289, 12-14=-92/288

NOTES

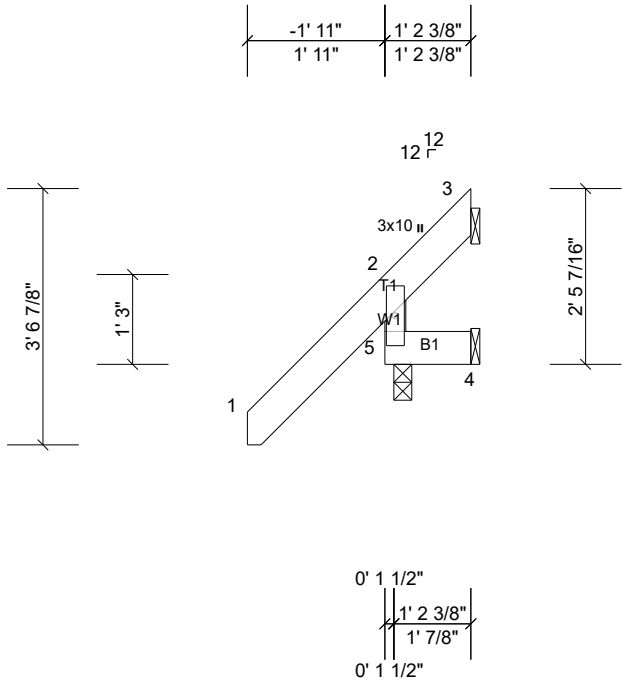
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) -1-9-14 to 1-2-2, Exterior(2N) 1-2-2 to 4-9-0, Corner(3R) 4-9-0 to 10-9-0, Exterior(2N) 10-9-0 to 14-3-14, Corner(3E) 14-3-14 to 17-3-14 zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
7) All plates are 2x4 MT20 unless otherwise indicated.
8) Gable requires continuous bottom chord bearing.
9) Gable studs spaced at 2-0-0 oc.
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
11) * 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.
12) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 12, 18, 19, 20, 16, 15, and 14. This connection is for uplift only and does not consider lateral forces.
13) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 12.
14) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
15) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	J01	Jack-Open	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:59 — Page: 1

ID:JNxOoF0XmrNngRs8Nybxdbz8g3l-bpDPuwZ8McGk7z8yiA_kue4Bt_f772tm?K3?C_z8Ksw



Scale = 1:32.1

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.53	Vert(LL)	0.00	4-5	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	0.00	4-5	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MR								
BCDL	10.0										Weight: 15 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3

BRACING

TOP CHORD	Structural wood sheathing directly applied or 1-2-6 oc purlins, except end verticals.
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) 3=-67/ Mechanical, (min. 0' 1 1/2"), 4=-3/ Mechanical, (min. 0' 1 1/2"), 5=271/0' 3", (min. 0' 1 1/2")
Max Horiz 5=100 (LC 14)
Max Uplift 3=-111 (LC 21), 4=-26 (LC 14), 5=-39 (LC 14)
Max Grav 3=19 (LC 18), 4=16 (LC 7), 5=442 (LC 21)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-409/378

NOTES

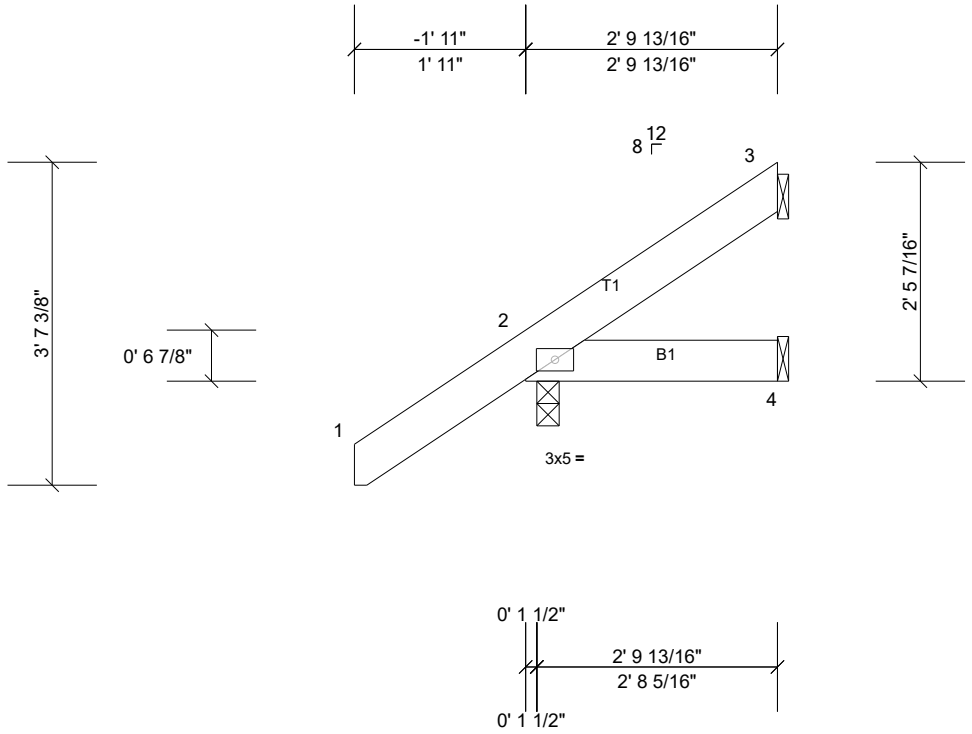
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 111 lb uplift at joint 3.
9) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4 and 5. This connection is for uplift only and does not consider lateral forces.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	J02	Jack-Open	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:59 — Page: 1

ID:BhEmmFUNpX9OEHlScwGr9cz8g2i-bpDPuwZ8McGk7z8yiA_kue4HO_fX72tm?K3?C_z8Ksw



Scale = 1:25.8

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.18	Vert(LL)	0.00	4-7	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	0.00	4-7	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 20 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2

REACTIONS (lb/size) 2=258/0' 3", (min. 0' 1 1/2"), 3=54/ Mechanical, (min. 0' 1 1/2"), 4=19/ Mechanical, (min. 0' 1 1/2")
Max Horiz 2=106 (LC 14)
Max Uplift 2=-49 (LC 14), 3=-34 (LC 14), 4=-9 (LC 11)
Max Grav 2=411 (LC 21), 3=87 (LC 21), 4=44 (LC 7)

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-9-13 oc purlins.
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.

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

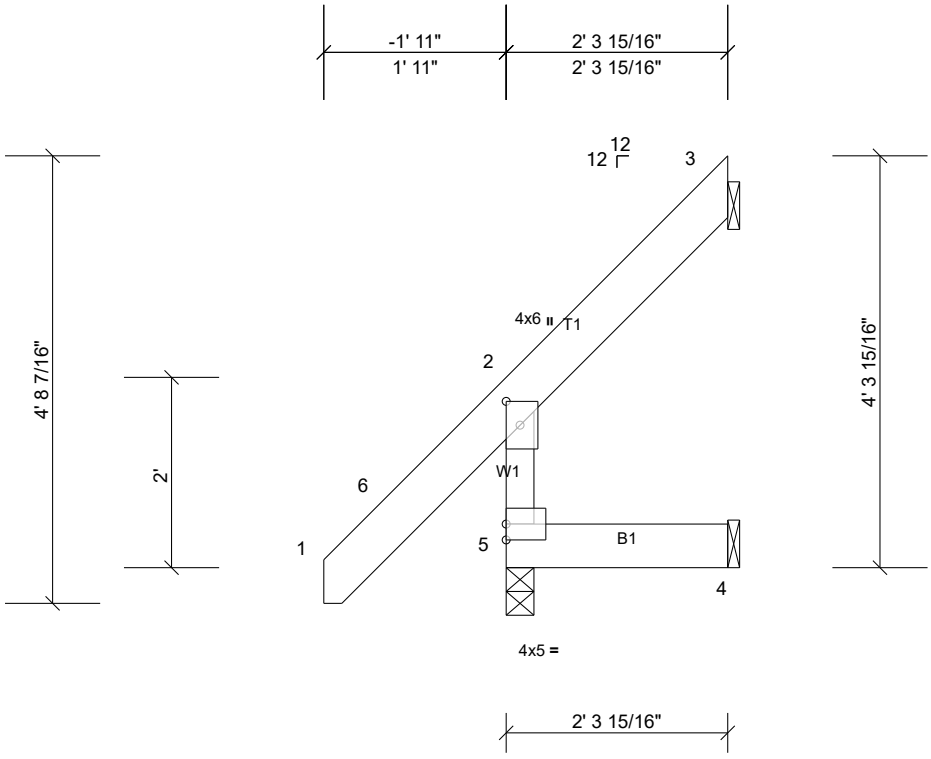
NOTES
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 34 lb uplift at joint 3.
9) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4 and 2. This connection is for uplift only and does not consider lateral forces.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	J02A	Jack-Open	4	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:06:59 — Page: 1

ID:CEHcvtuiozSZJWM_b3tqYmz8g2A-bpDPuwZ8McGk7z8yiA_kue465_dP72tm?K3?C_z8Ksw



Scale = 1:24.2

Plate Offsets (X, Y): [2:0' 3",0' 1 3/4"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.83	Vert(LL)	0.00	4-5	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	0.00	4-5	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.03	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MR								
BCDL	10.0										Weight: 22 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3

REACTIONS (lb/size) 3=14/ Mechanical, (min. 0' 1 1/2"), 4=16/ Mechanical, (min. 0' 1 1/2"), 5=258/0' 3 1/2", (min. 0' 1 1/2")
Max Horiz 5=140 (LC 14)
Max Uplift 3=-73 (LC 14), 4=-38 (LC 14)
Max Grav 3=45 (LC 21), 4=40 (LC 7), 5=385 (LC 21)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-358/161

BRACING

TOP CHORD	Structural wood sheathing directly applied or 2-3-15 oc purlins, except end verticals.
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.

NOTES

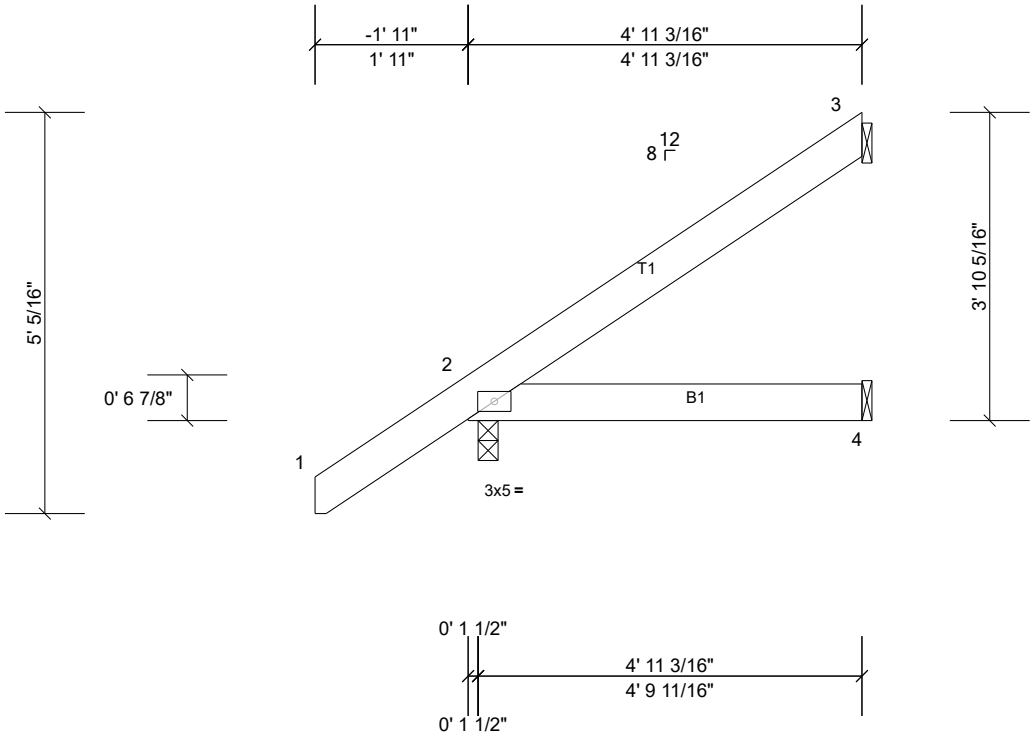
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 73 lb uplift at joint 3.
9) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4. This connection is for uplift only and does not consider lateral forces.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	J04	Jack-Open	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:07:00 — Page: 1

ID:oBfKPTG8VVL9XGDxw4x5IJz8g1h-4?nn5Gan7wObk7i8FuVzRsdRaOzxsV6wE_oZlQz8Ksv



Scale = 1:28.8

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.21	Vert(LL)	0.02	4-7	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	-0.02	4-7	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 31 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2

REACTIONS (lb/size) 2=327/0' 3", (min. 0' 1 1/2"), 3=118/ Mechanical, (min. 0' 1 1/2"), 4=56/ Mechanical, (min. 0' 1 1/2")
Max Horiz 2=123 (LC 18)
Max Uplift 2=-21 (LC 11), 3=-73 (LC 14), 4=-18 (LC 11)
Max Grav 2=426 (LC 21), 3=200 (LC 21), 4=88 (LC 7)

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-11-3 oc purlins.
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.

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

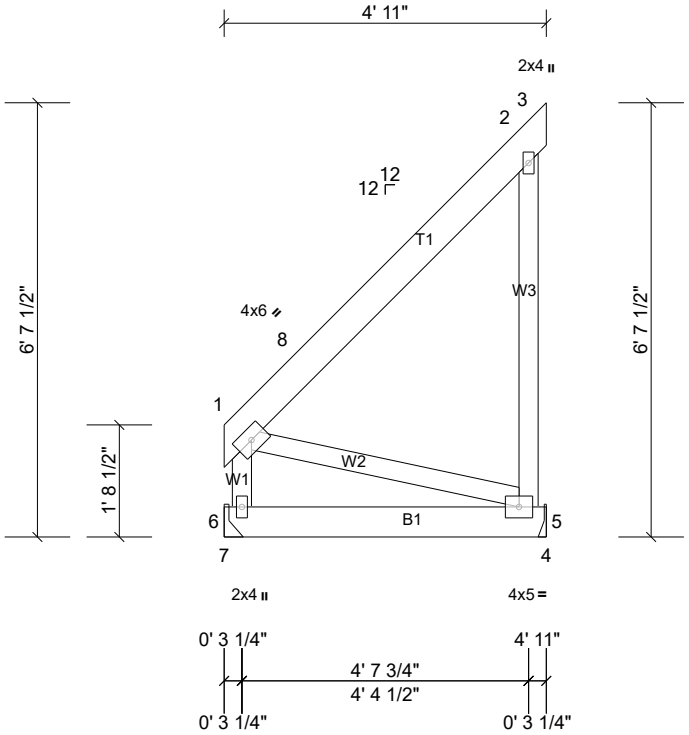
NOTES
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 73 lb uplift at joint 3.
9) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4 and 2. This connection is for uplift only and does not consider lateral forces.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	J04A	Jack-Closed	2	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:07:00 — Page: 1

ID:v8yBmSXvC0R7JFpv3BTk?Jz8hLG-4?nn5Gan7wObk7i8FuVzRsdQcO_nsUrwE_oZlQz8Ksv



Scale = 1:35.2

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.27	Vert(LL)	-0.01	5-6	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	-0.01	5-6	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	5	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 45 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3

REACTIONS (lb/size) 5=197/ Mechanical, (min. 0' 1 1/2"), 6=180/ Mechanical, (min. 0' 1 1/2")
Max Horiz 6=169 (LC 14)
Max Uplift 5=-174 (LC 14)
Max Grav 5=312 (LC 20), 6=244 (LC 20)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-4-8 oc purlins, except end verticals.
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.

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

TOP CHORD	2-5=-263/231
BOT CHORD	5-6=-260/107
WEBS	1-5=-113/274

NOTES

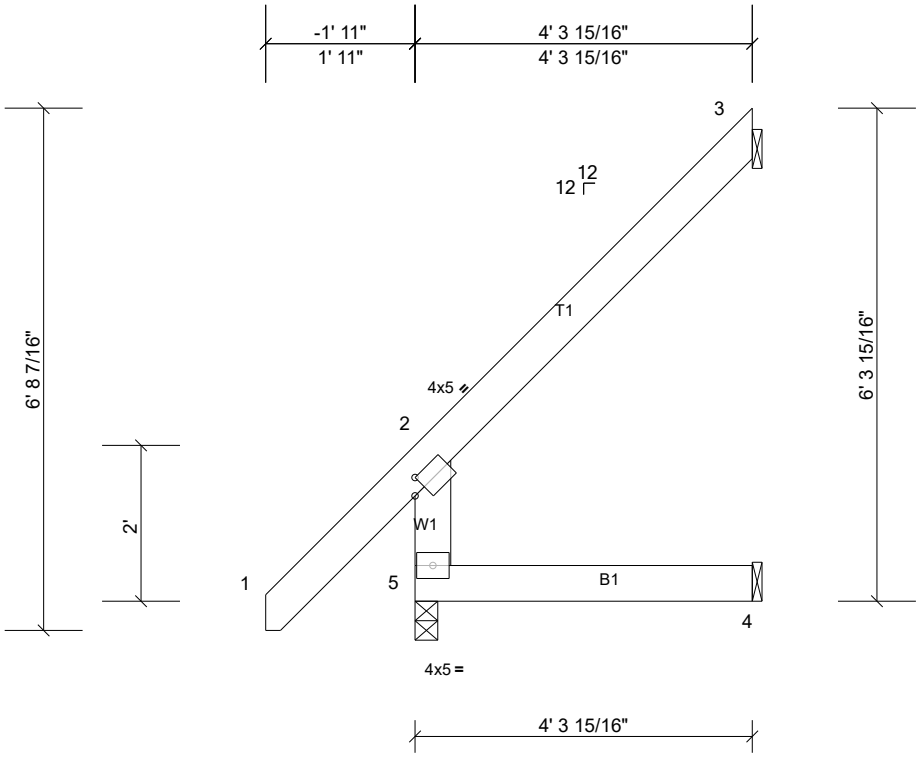
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * 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.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 174 lb uplift at joint 5.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	J04B	Jack-Open	4	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:07:00 — Page: 1

ID:wJ6pYofHQqrrqyW29kV3SZz8g?u-4?nn5Gan7wObk7i8FuVzRsdQdOx7sV6wE_oZlQz8Ksv



Scale = 1:29.6

Plate Offsets (X, Y): [2:0' 2",0' 2"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.27	Vert(LL)	0.02	4-5	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.26	Vert(CT)	0.02	4-5	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.05	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MR								
BCDL	10.0										Weight: 35 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x6 SP No.2

REACTIONS (lb/size) 3=93/ Mechanical, (min. 0' 1 1/2"), 4=37/ Mechanical, (min. 0' 1 1/2"), 5=316/0' 3 1/2", (min. 0' 1 1/2")
Max Horiz 5=212 (LC 14)
Max Uplift 3=-133 (LC 14), 4=-39 (LC 11)
Max Grav 3=185 (LC 21), 4=75 (LC 7), 5=417 (LC 21)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-3-15 oc purlins, except end verticals.
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.

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-383/99

NOTES

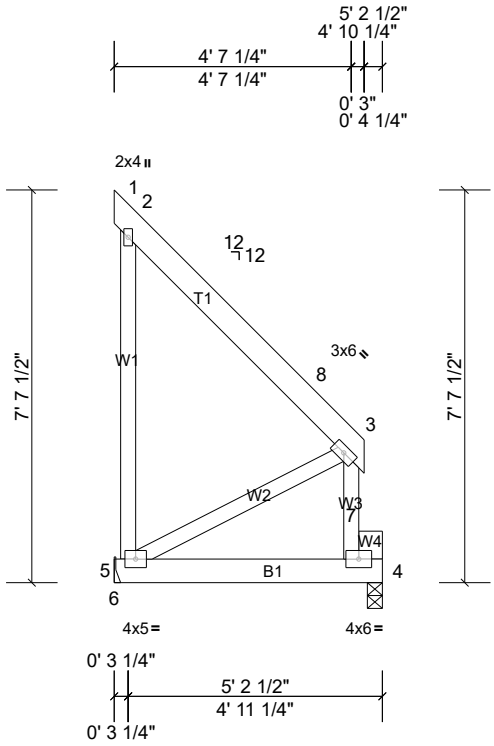
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 133 lb uplift at joint 3.
9) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4. This connection is for uplift only and does not consider lateral forces.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	J04C	Jack-Closed	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:07:00 — Page: 1

ID:v8yBmSXvC0R7JFpv3BTk?Jz8hLG-4?nn5Gan7wObk7i8FuVzRsdQiO_hsUwwE_oZlQz8Ksv



Scale = 1:44.7

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.27	Vert(LL)	-0.01	4-5	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	-0.01	4-5	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 50 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3 *Except* W4:2x6 SP No.2

REACTIONS (lb/size) 4=170/0' 3 1/2", (min. 0' 1 1/2"), 5=201/ Mechanical, (min. 0' 1 1/2")
Max Horiz 5=-167 (LC 15)
Max Uplift 5=-208 (LC 15)
Max Grav 4=231 (LC 21), 5=317 (LC 21)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-2-8 oc purlins, except end verticals.
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.

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-260/147

NOTES

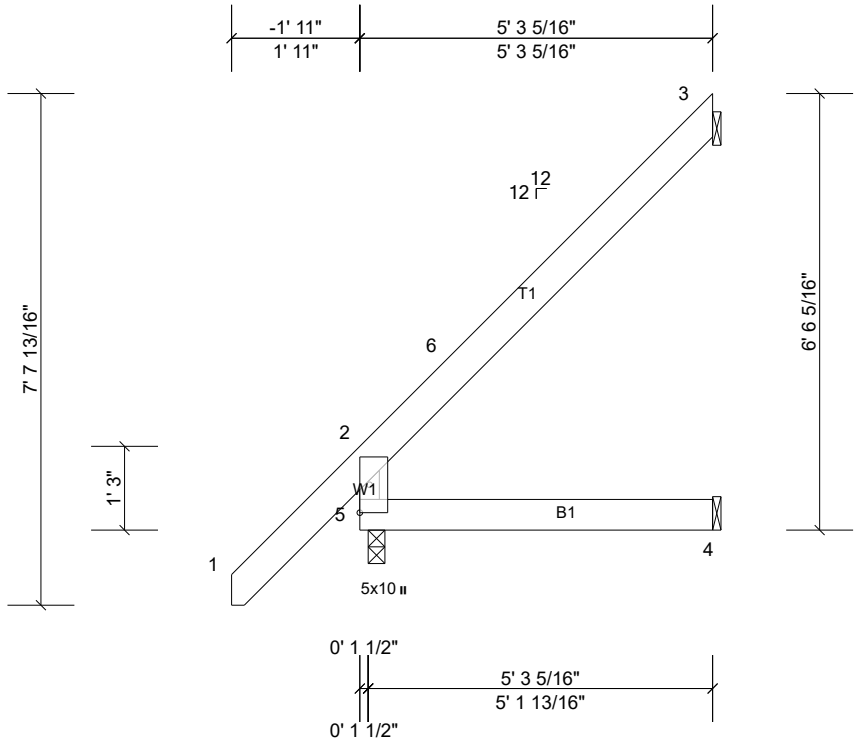
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * 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.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 208 lb uplift at joint 5.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	J05A	Jack-Open	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:07:01 — Page: 1

ID:B1yvhp1DG2X1L3Vjeu01Puz8fyq-YCK9JbbPuDWSMHHKpb0Cz39X3oIebxM3TeY6Htz8Ksu



Scale = 1:34.4

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.55	Vert(LL)	0.04	4-5	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.25	Vert(CT)	0.03	4-5	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.03	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MR								
BCDL	10.0										Weight: 37 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3

REACTIONS (lb/size) 3=127/ Mechanical, (min. 0' 1 1/2"), 4=53/ Mechanical, (min. 0' 1 1/2"), 5=344/0' 3", (min. 0' 1 1/2")
Max Horiz 5=248 (LC 14)
Max Uplift 3=-147 (LC 14), 4=-29 (LC 11)
Max Grav 3=238 (LC 21), 4=97 (LC 7), 5=414 (LC 21)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-373/111

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-3-5 oc purlins, except end verticals.
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.

NOTES

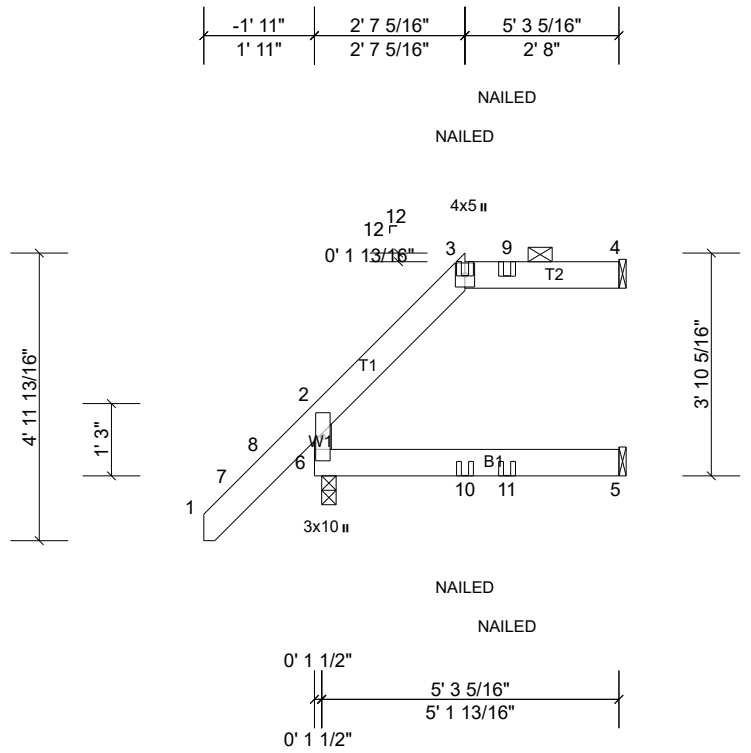
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 147 lb uplift at joint 3.
9) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4. This connection is for uplift only and does not consider lateral forces.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	J05B	Jack-Open Girder	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:07:01 — Page: 1

ID:9wwCU3j6lZdObL2aCEWJxwz8fvL-YCK9JbbPuDWSMHHKpb0Cz39ZIoI2bxM3TeY6Htz8Ksu



Scale = 1:39.9

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.41	Vert(LL)	0.02	5-6	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.22	Vert(CT)	-0.03	5-6	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.07	4	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MR								
BCDL	10.0										Weight: 35 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-3-5 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-4.
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) 4=240/ Mechanical, (min. 0' 1 1/2"), 5=97/ Mechanical, (min. 0' 1 1/2"), 6=453/0' 3", (min. 0' 1 1/2")
Max Horiz 6=150 (LC 12)
Max Uplift 4=-116 (LC 9), 5=-44 (LC 9), 6=-115 (LC 12)
Max Grav 4=287 (LC 33), 5=139 (LC 7), 6=607 (LC 34)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-6=-537/133

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 6.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 116 lb uplift at joint 4.
12) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 6 and 5. This connection is for uplift only and does not consider lateral forces.
13) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
15) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
16) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

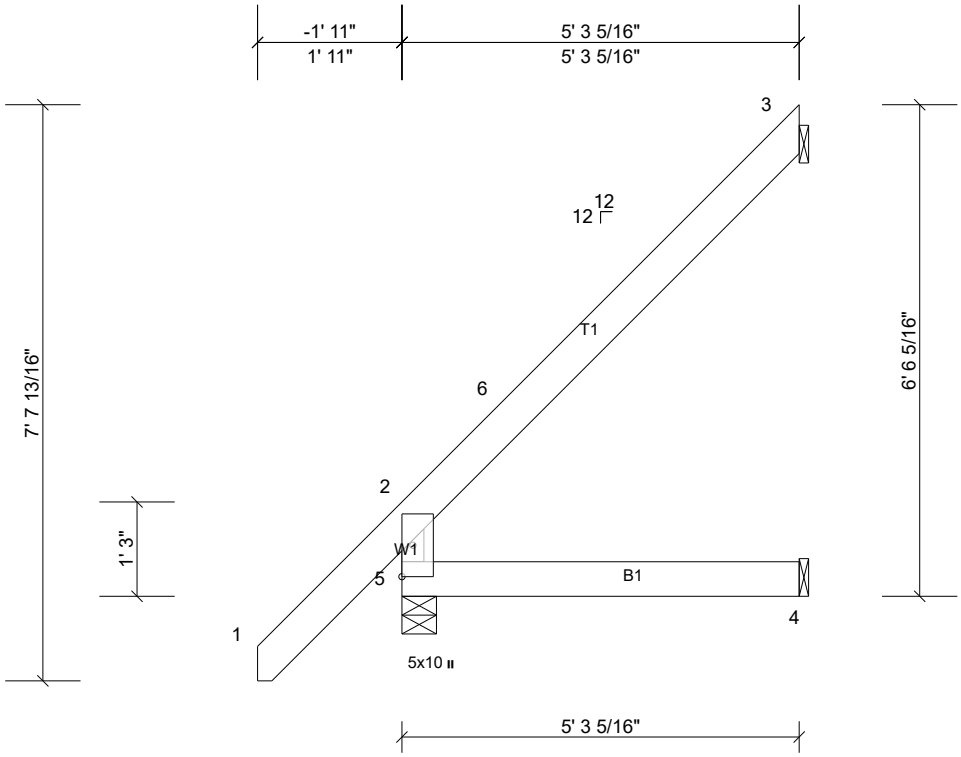
LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-60, 2-3=-60, 3-4=-60, 5-6=-20
Concentrated Loads (lb)
Vert: 3=-65 (F), 9=-140 (F), 10=-9 (F), 11=-54 (F)

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	J05C	Jack-Open	14	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:07:01 — Page: 1

ID:hYy6_9KTzxwIb0tB7kP2zTz8fuZ-YCK9JbbPuDWSMHHKpb0Cz39VUoJYbxM3TeY6Htz8Ksu



Scale = 1:30.6

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.65	Vert(LL)	0.02	4-5	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.19	Vert(CT)	-0.02	4-5	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.02	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MR								
BCDL	10.0										Weight: 37 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3

REACTIONS (lb/size) 3=127/ Mechanical, (min. 0' 1 1/2"), 4=53/ Mechanical, (min. 0' 1 1/2"), 5=344/0' 5 1/2", (min. 0' 1 1/2")
Max Horiz 5=248 (LC 14)
Max Uplift 3=-147 (LC 14)
Max Grav 3=238 (LC 21), 4=97 (LC 7), 5=414 (LC 21)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-3-5 oc purlins, except end verticals.
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.

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-373/122

NOTES

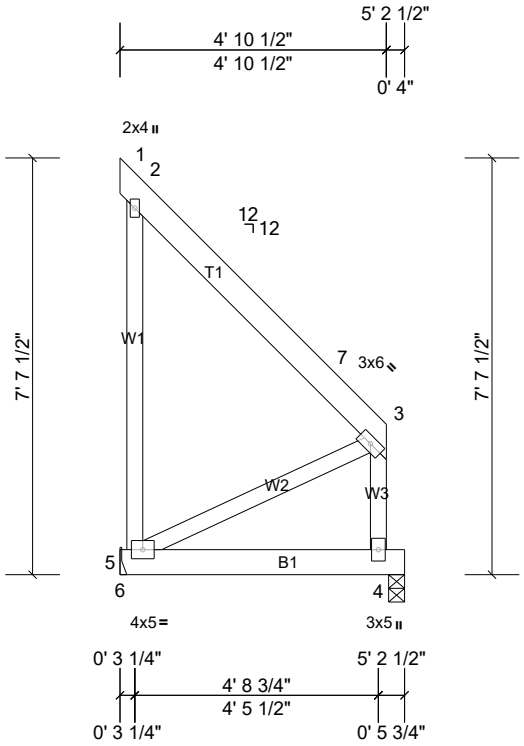
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 147 lb uplift at joint 3.
9) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4. This connection is for uplift only and does not consider lateral forces.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	J05D	Jack-Closed	4	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:07:01 — Page: 1

ID:t67CwTaz8qmY7hIm9QvDb2z8hCA-YCK9JbbPuDWSMHHKpb0Cz39bAoKxbw63TeY6Htz8Ksu



Scale = 1:42.2

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.29	Vert(LL)	-0.01	4-5	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	-0.01	4-5	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	n/a	-	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 49 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3

REACTIONS (lb/size) 4=178/0' 3 1/2", (min. 0' 1 1/2"), 5=201/ Mechanical, (min. 0' 1 1/2")
Max Horiz 5=-172 (LC 15)
Max Uplift 5=-211 (LC 15)
Max Grav 4=242 (LC 21), 5=318 (LC 21)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-268/151

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-2-8 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

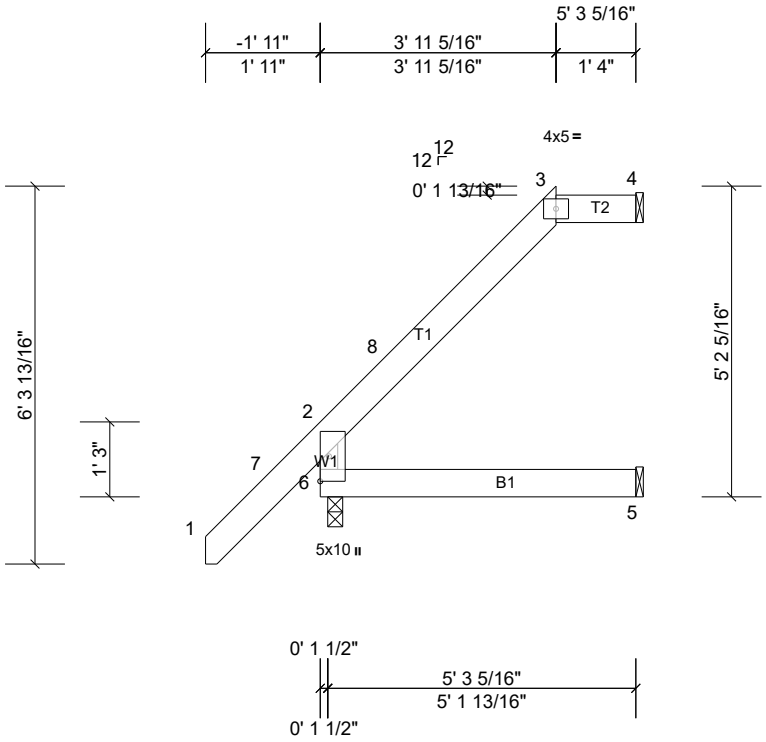
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

NOTES

1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * 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.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 211 lb uplift at joint 5.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	J05E	Jack-Open	1	1	Job Reference (optional)



Scale = 1:38.5

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.39	Vert(LL)	0.02	5-6	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	-0.02	5-6	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.05	4	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MR								
BCDL	10.0										Weight: 36 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-3-5 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-4.
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) 4=127/ Mechanical, (min. 0' 1 1/2"), 5=52/ Mechanical, (min. 0' 1 1/2"), 6=344/0' 3", (min. 0' 1 1/2")
Max Horiz 6=199 (LC 14)
Max Uplift 4=-85 (LC 14), 5=-26 (LC 11), 6=-6 (LC 11)
Max Grav 4=143 (LC 35), 5=97 (LC 7), 6=528 (LC 36)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-6=-481/78

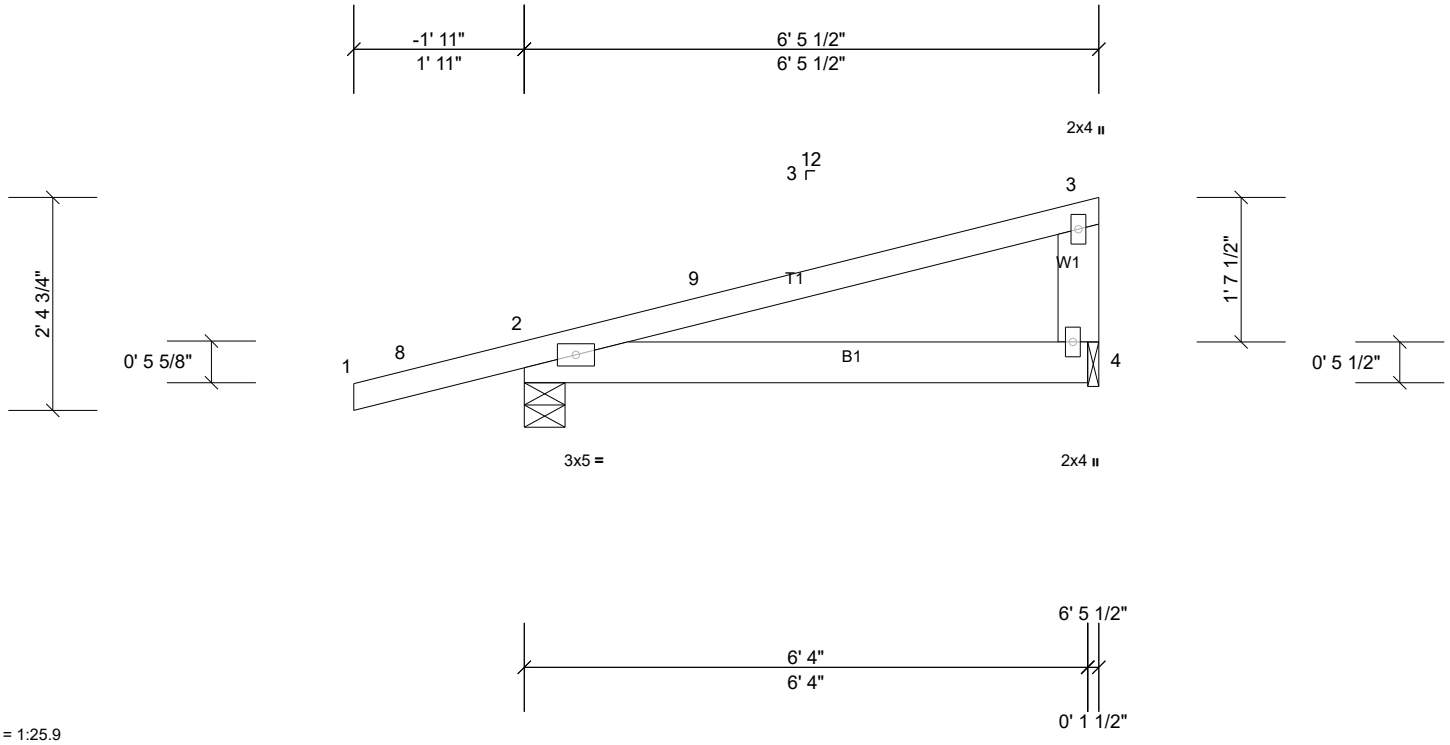
NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 85 lb uplift at joint 4.
11) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 6 and 5. This connection is for uplift only and does not consider lateral forces.
12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	J06	Jack-Closed	7	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:07:02 — Page: 1

ID:BjJBRRcOihcd9vFJ8Dn7a6z8frd-0OuXWxc1eXeJ_RsXNJXRWHii5CaeKOcChIHfpJz8Kst



Scale = 1:25.9

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.53	Vert(LL)	-0.04	4-7	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.39	Vert(CT)	-0.07	4-7	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 31 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x6 SP No.2

REACTIONS (lb/size) 2=382/0' 5 1/2", (min. 0' 1 1/2"), 4=231/0' 1 1/2", (min. 0' 1 1/2")
Max Horiz 2=81 (LC 10)
Max Uplift 2=-114 (LC 10), 4=-41 (LC 14)
Max Grav 2=496 (LC 21), 4=306 (LC 21)

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.

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.

NOTES

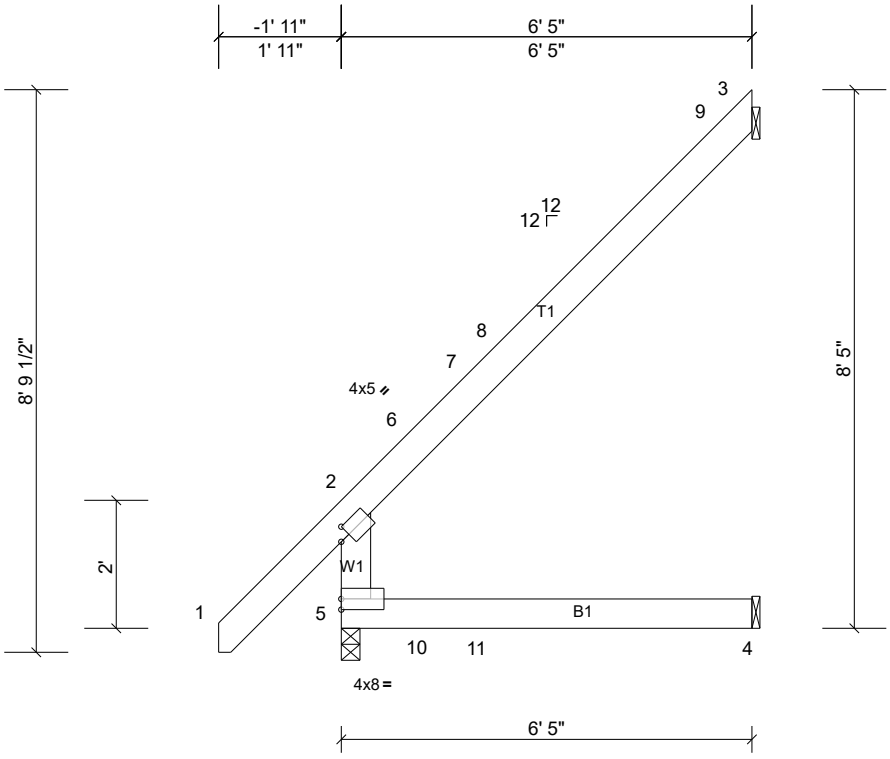
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-10-8 to 1-2-7, Interior (1) 1-2-7 to 2-0-5, Exterior(2R) 2-0-5 to 6-3-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
9) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 4. This connection is for uplift only and does not consider lateral forces.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	J06A	Jack-Open	5	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:07:02 — Page: 1

ID:JleylWAtd8XyI8LLOa79_0z8fqu-0OuXWxc1eXeJ_RsXNJXRWHihCCYaKOcChIHfpJz8Kst



Scale = 1:36

Plate Offsets (X, Y): [2:0' 2",0' 2"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.59	Vert(LL)	0.11	4-5	>654	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.52	Vert(CT)	0.10	4-5	>736	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.14	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MR								
BCDL	10.0										Weight: 46 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x6 SP No.2

REACTIONS (lb/size) 3=157/ Mechanical, (min. 0' 1 1/2"), 4=68/ Mechanical, (min. 0' 1 1/2"), 5=389/0' 3 1/2", (min. 0' 1 1/2")
Max Horiz 5=285 (LC 14)
Max Uplift 3=-181 (LC 14), 4=-47 (LC 11)
Max Grav 3=278 (LC 21), 4=117 (LC 7), 5=447 (LC 21)

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.

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 2-5=-402/48, 2-6=-317/66, 6-7=-306/79, 7-8=-303/85, 8-9=-297/149, 3-9=-273/169

NOTES

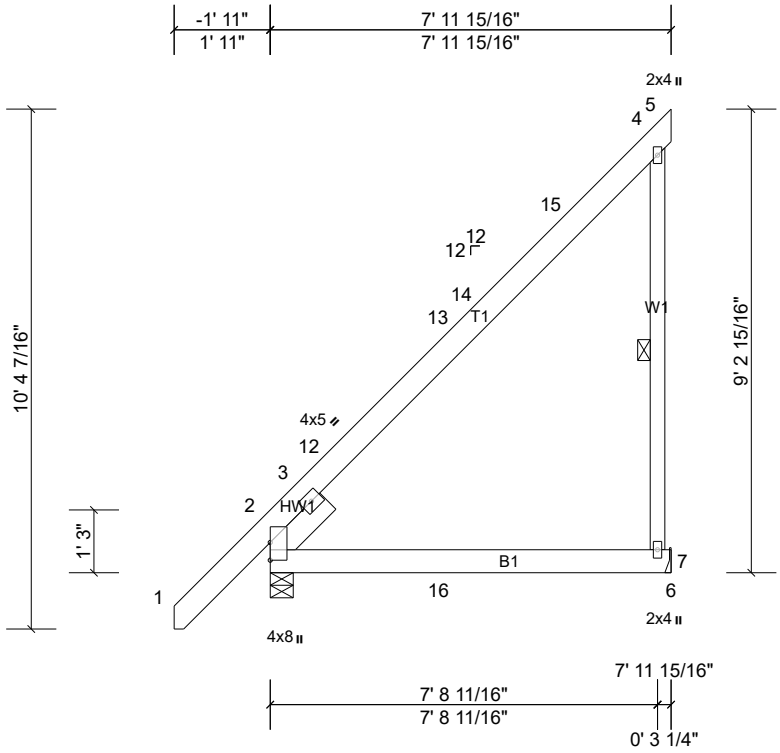
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-9-14 to 1-2-2, Interior (1) 1-2-2 to 2-1-5, Exterior(2R) 2-1-5 to 6-4-4 zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 181 lb uplift at joint 3.
9) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4. This connection is for uplift only and does not consider lateral forces.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	J07	Jack-Closed	2	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:07:02 — Page: 1

ID:v8yBmSXvC0R7JFpv3BTk?Jz8hLG-0OuXWxc1eXeJ_RsXNJXRWHiidCZUKOcChIHfpJz8Kst



Scale = 1:46

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.56	Vert(LL)	0.10	7-10	>974	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.46	Vert(CT)	-0.15	7-10	>630	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.04	2	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 68 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3
SLIDER	Left 2x6 SP No.2 -- 1' 6"

REACTIONS (lb/size) 2=431/0' 5 1/2", (min. 0' 1 1/2"), 7=318/ Mechanical, (min. 0' 1 1/2")
Max Horiz 2=327 (LC 14)
Max Uplift 7=-180 (LC 14)
Max Grav 2=478 (LC 5), 7=500 (LC 5)

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.
WEBS	1 Row at midpt 4-7

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 2-3=-799/334, 3-12=-297/60, 12-13=-293/96, 13-14=-267/103, 14-15=-264/103, 4-15=-252/171, 4-7=-351/332
BOT CHORD 2-16=-341/173

NOTES

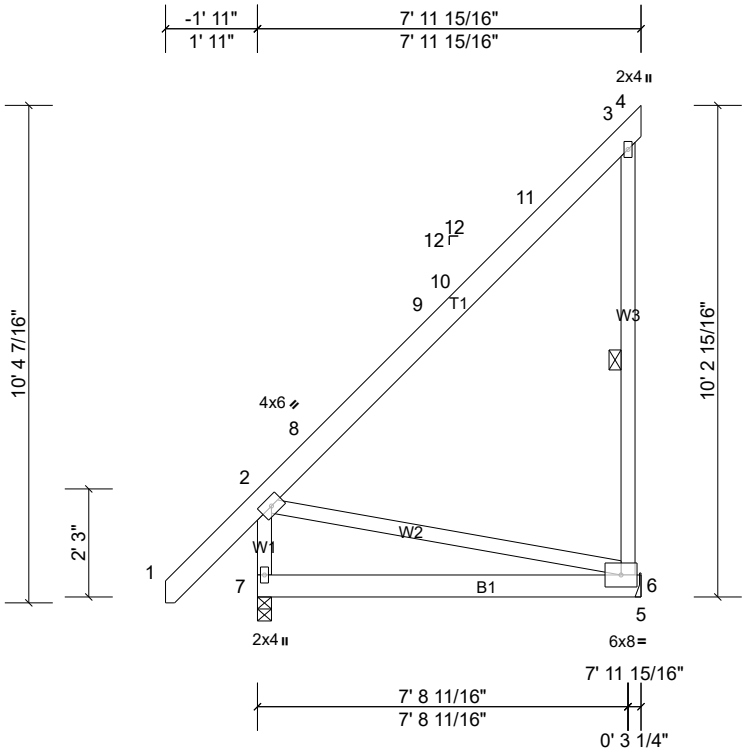
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-9-14 to 1-2-2, Interior (1) 1-2-2 to 3-9-0, Exterior(2R) 3-9-0 to 7-11-15 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 180 lb uplift at joint 7.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	J07A	Jack-Closed	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:07:03 — Page: 1

ID:NgS9y3kLy7RVMg6qPGzgH7z8NRz-UaSvkHcfPrmAbbRjx02g2UEr6byA3pRMwy1DLlz8Kss



Scale = 1:48

Loading	(psf)	Spacing	1' 11 1/4"	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.64	Vert(LL)	-0.05	6-7	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.31	Vert(CT)	-0.10	6-7	>924	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.00	6	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 79 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3

REACTIONS (lb/size) 6=300/ Mechanical, (min. 0' 1 1/2"), 7=422/0' 3 1/2", (min. 0' 1 1/2")

Max Horiz 7=316 (LC 14)

Max Uplift 6=-217 (LC 14)

Max Grav 6=445 (LC 21), 7=462 (LC 21)

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.
WEBS	1 Row at midpt 3-6

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

TOP CHORD	2-7=-388/0, 2-8=-305/74, 8-9=-275/109, 9-10=-271/111, 10-11=-269/115, 3-11=-257/181, 3-6=-366/340
BOT CHORD	6-7=-509/124
WEBS	2-6=-128/524

NOTES

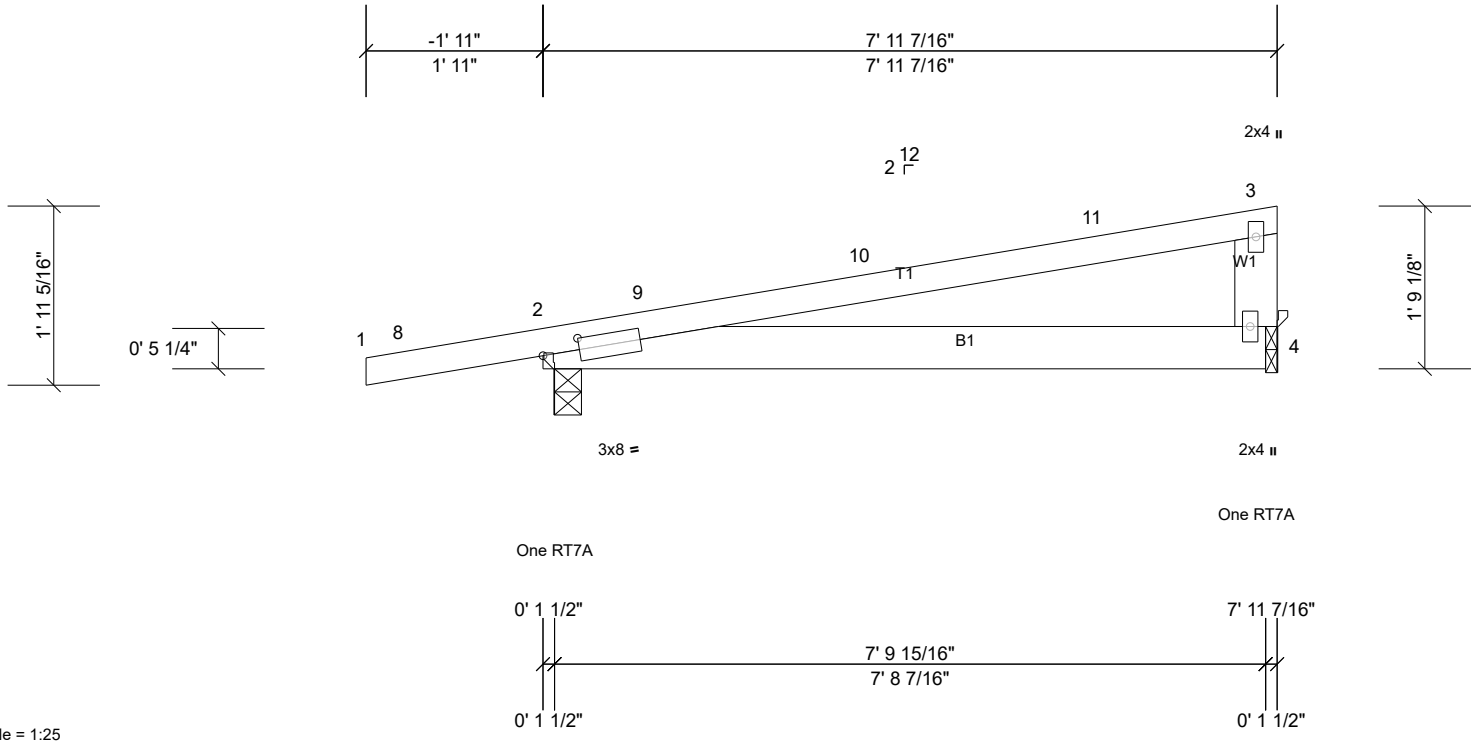
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-9-14 to 1-2-2, Interior (1) 1-2-2 to 3-9-0, Exterior(2R) 3-9-0 to 7-11-15 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 217 lb uplift at joint 6.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	J08	Jack-Closed	18	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:07:03 — Page: 1

ID:bdiS_1B7R8Mr79j9rJ40R1z8fli-UaSvkHcfPrmAbbRjx02g2UEqibsK3rsMwy1DLlz8Kss



Scale = 1:25

Plate Offsets (X, Y): [2:0' 4 13/16",0' 1 1/2"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.73	Vert(LL)	-0.10	4-7	>927	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.68	Vert(CT)	-0.17	4-7	>533	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 36 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x6 SP No.2

REACTIONS (lb/size) 2=438/0' 3 1/2", (min. 0' 1 1/2"), 4=295/0' 1 1/2", (min. 0' 1 1/2")
Max Horiz 2=55 (LC 13)
Max Uplift 2=-127 (LC 10), 4=-42 (LC 10)
Max Grav 2=551 (LC 21), 4=371 (LC 21)

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.

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.

NOTES

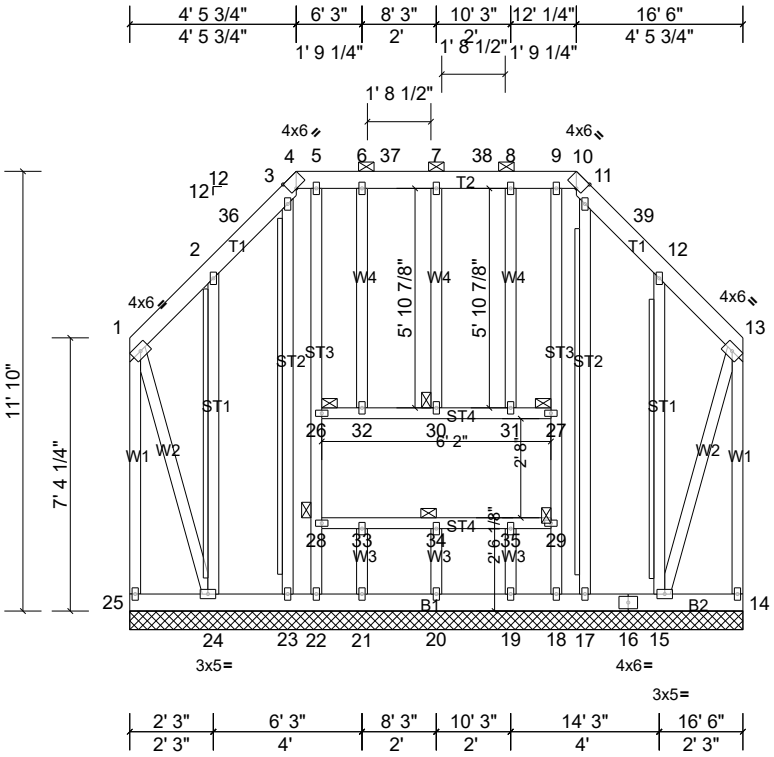
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-11-0 to 1-1-0, Interior (1) 1-1-0 to 3-5-12, Exterior(2R) 3-5-12 to 7-8-11 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
9) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 4. This connection is for uplift only and does not consider lateral forces.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	K1	Piggyback Base Supported Gable	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:07:03 — Page: 1

ID:VeH5e9ibS2aL47d71?pntuz8fiS-UaSvkHcfPrmAbbRjx02g2UEyWb0g3ntMwy1DLlz8Kss



Scale = 1:62

Plate Offsets (X, Y): [4:0' 2 1/8",Edge], [10:0' 2 1/8",Edge]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.23	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.02	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.32	Horiz(TL)	0.00	14	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 270 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.2 *Except* ST4,ST1:2x4 SP No.3, O2,O1,O3,O4:2x4 SPF No.2(flat)

REACTIONS All bearings 16' 6".

(lb) - Max Horiz 25=-104 (LC 12)

Max Uplift All uplift 100 (lb) or less at joint(s) except 14=-186 (LC 11), 15=-241 (LC 15), 18=-103 (LC 10), 22=-104 (LC 11), 24=-244 (LC 14), 25=-193 (LC 10)

Max Grav All reactions 250 (lb) or less at joint(s) 14, 17, 19, 20, 21, 23, 25 except 15=412 (LC 48), 18=501 (LC 37), 22=501 (LC 37), 24=416 (LC 46)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-10.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 24-25,14-15.
WEBS	T-Brace: 2x4 SPF No.2 - 3-23, 2-24, 11-17, 12-15 Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c.,with 3in minimum end distance. Brace must cover 90% of web length.
JOINTS	1 Brace at Jt(s): 26, 27, 28, 29, 30, 34

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.

WEBS 22-28=-490/110, 26-28=-494/111, 5-26=-471/106, 18-29=-490/109, 27-29=-494/110, 9-27=-471/105

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) interior zone and C-C Corner(3E) 5-3-14 to 8-3-14, Corner(3R) 8-3-14 to 12-7-14, Exterior(2N) 12-7-14 to 14-2-6, Corner(3R) 14-2-6 to 18-6-6, Corner(3E) 18-6-6 to 21-6-6 zone;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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) Provide adequate drainage to prevent water ponding.
7) All plates are 2x4 MT20 unless otherwise indicated.
8) Gable requires continuous bottom chord bearing.
9) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
10) Vertical gable studs spaced at 2-0-0 oc and horizontal gable studs spaced at 2-11-8 oc.
11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
12) * 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.

Continued on page 2

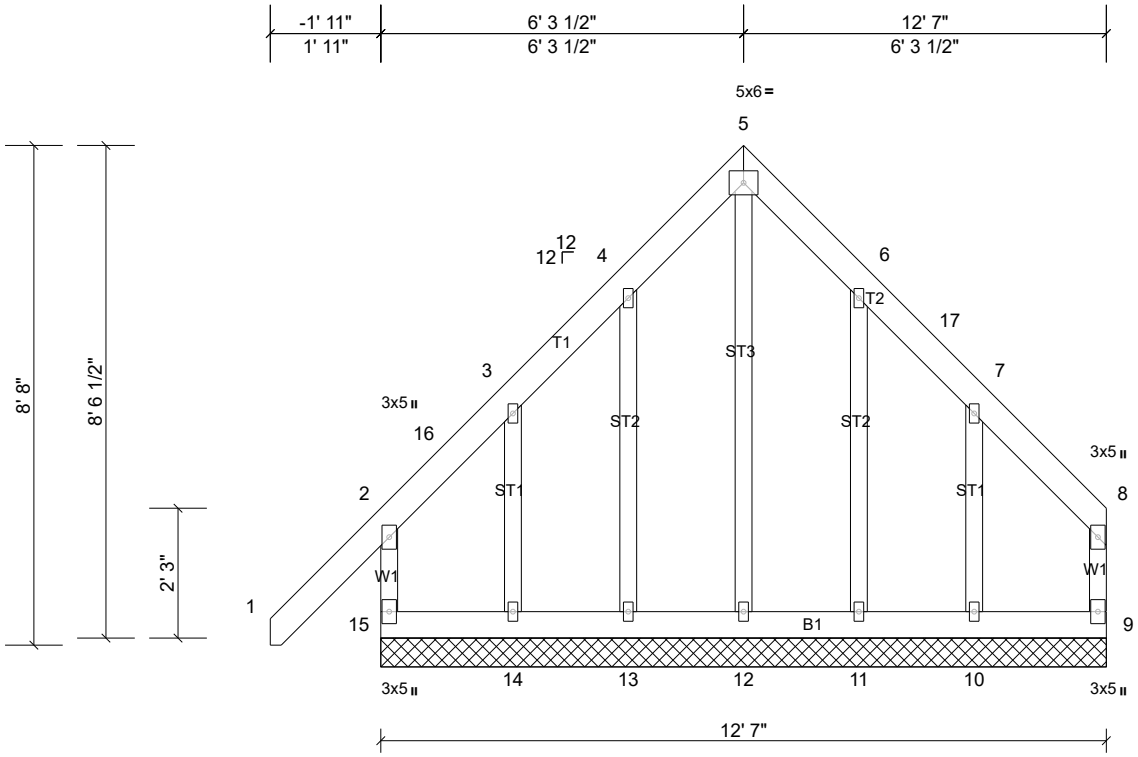
13) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 25, 14, 22, 18, 24, and 15. This connection is for uplift only and does not consider lateral forces.
14) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
15) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
16) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	L1	Common Supported Gable	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:07:04 — Page: 1

ID:2oLrGtkHgs9Q912HyeKUHcz8fh8-yn0IxddHA8u1Dk0vUkZvbin4T?LyoADV9cmmuCz8Ksr



Scale = 1:40

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.41	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.57	Horz(CT)	0.00	9	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MR								
BCDL	10.0										Weight: 122 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

BRACING

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

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

REACTIONS All bearings 12' 7".

(lb) - Max Horiz 15=238 (LC 11)

Max Uplift All uplift 100 (lb) or less at joint(s) 11, 13 except 9=-149 (LC 11), 10=-166 (LC 15), 14=-174 (LC 14), 15=-142 (LC 10)

Max Grav All reactions 250 (lb) or less at joint(s) 9, 14 except 10=304 (LC 25), 11=271 (LC 22), 12=266 (LC 14), 13=285 (LC 21), 15=295 (LC 25)

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

TOP CHORD 2-15=-230/374, 3-4=-140/351, 4-5=-182/445, 5-6=-182/445, 6-17=-123/358, 7-17=-140/351

WEBS 5-12=-499/138

NOTES

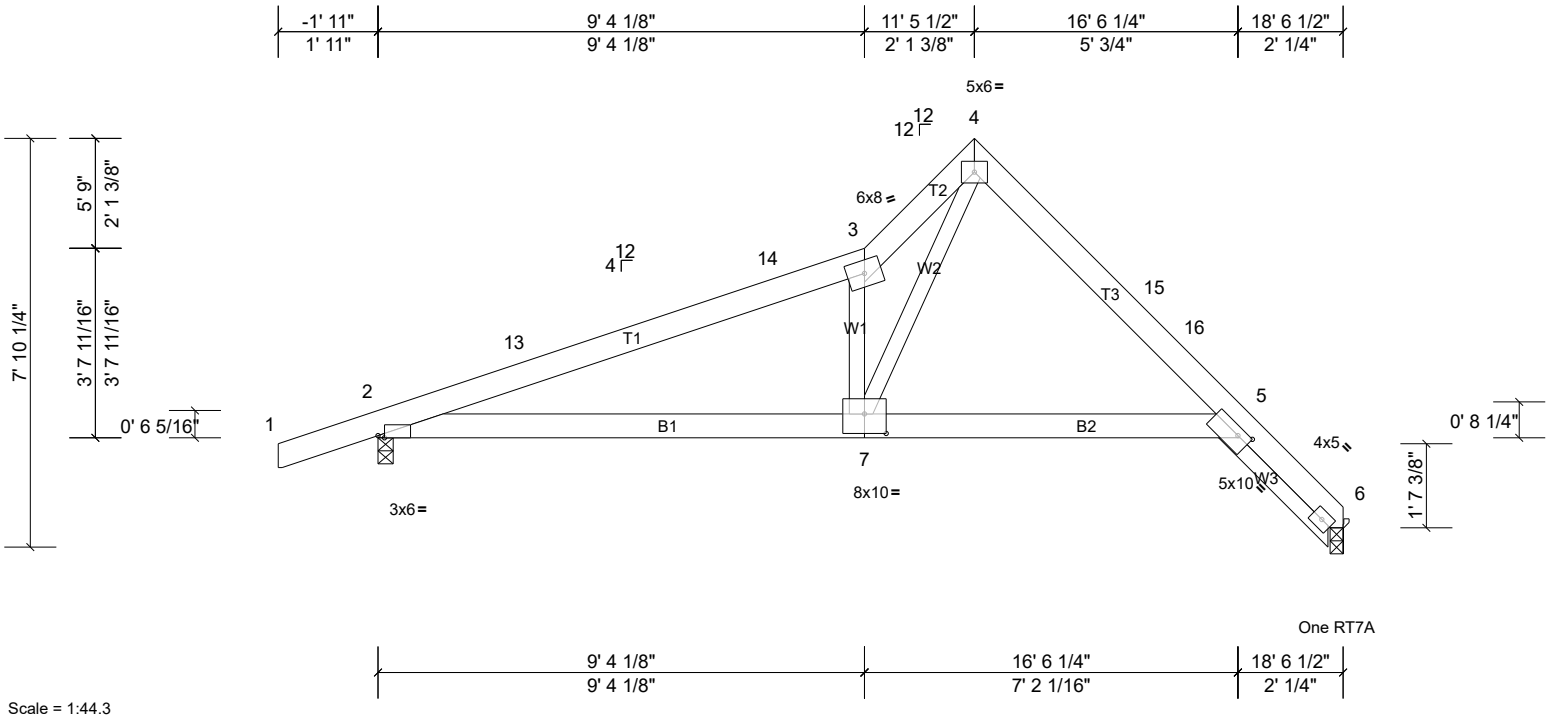
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) -1-9-14 to 1-2-2, Exterior(2N) 1-2-2 to 3-3-8, Corner(3R) 3-3-8 to 9-5-4, Corner(3E) 9-5-4 to 12-5-4 zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
7) All plates are 2x4 MT20 unless otherwise indicated.
8) Gable requires continuous bottom chord bearing.
9) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
10) Gable studs spaced at 2-0-0 oc.
11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
12) * 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.
13) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 15, 9, 13, 14, 11, and 10. This connection is for uplift only and does not consider lateral forces.
14) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
15) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	M1	Roof Special	3	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:07:04 — Page: 1

ID:WpVVAfMvQqi2O00G?ZFgOaz8fgK-yn0IxddHA8u1Dk0vUkZvbin0D?BIo87V9cmmuCz8Ksr



Scale = 1:44.3

Plate Offsets (X, Y): [2:0' 1 1/2",Edge], [5:0' 2 15/16",0' 1 3/4"], [7:0' 5",0' 4 1/2"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.68	Vert(LL)	-0.15	7-11	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.76	Vert(CT)	-0.28	7-11	>776	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.20	6	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 115 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2 *Except* T3:2x6 SP 2400F 2.0E
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3 *Except* W3:2x4 SP No.2

REACTIONS (lb/size) 2=856/0' 3 1/2", (min. 0' 1 1/2"), 6=746/0' 3", (min. 0' 1 1/2")
Max Horiz 2=170 (LC 13)
Max Uplift 2=-137 (LC 10), 6=-42 (LC 15)
Max Grav 2=920 (LC 39), 6=786 (LC 22)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-4-9 oc purlins.
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.

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

TOP CHORD	2-13=-1482/275, 13-14=-1404/289, 3-14=-1360/302, 3-4=-1908/498, 4-15=-869/237, 15-16=-886/212, 5-16=-906/205, 5-6=-544/188
BOT CHORD	2-7=-63/1332, 5-7=0/692
WEBS	3-7=-1245/358, 4-7=-340/1699

NOTES

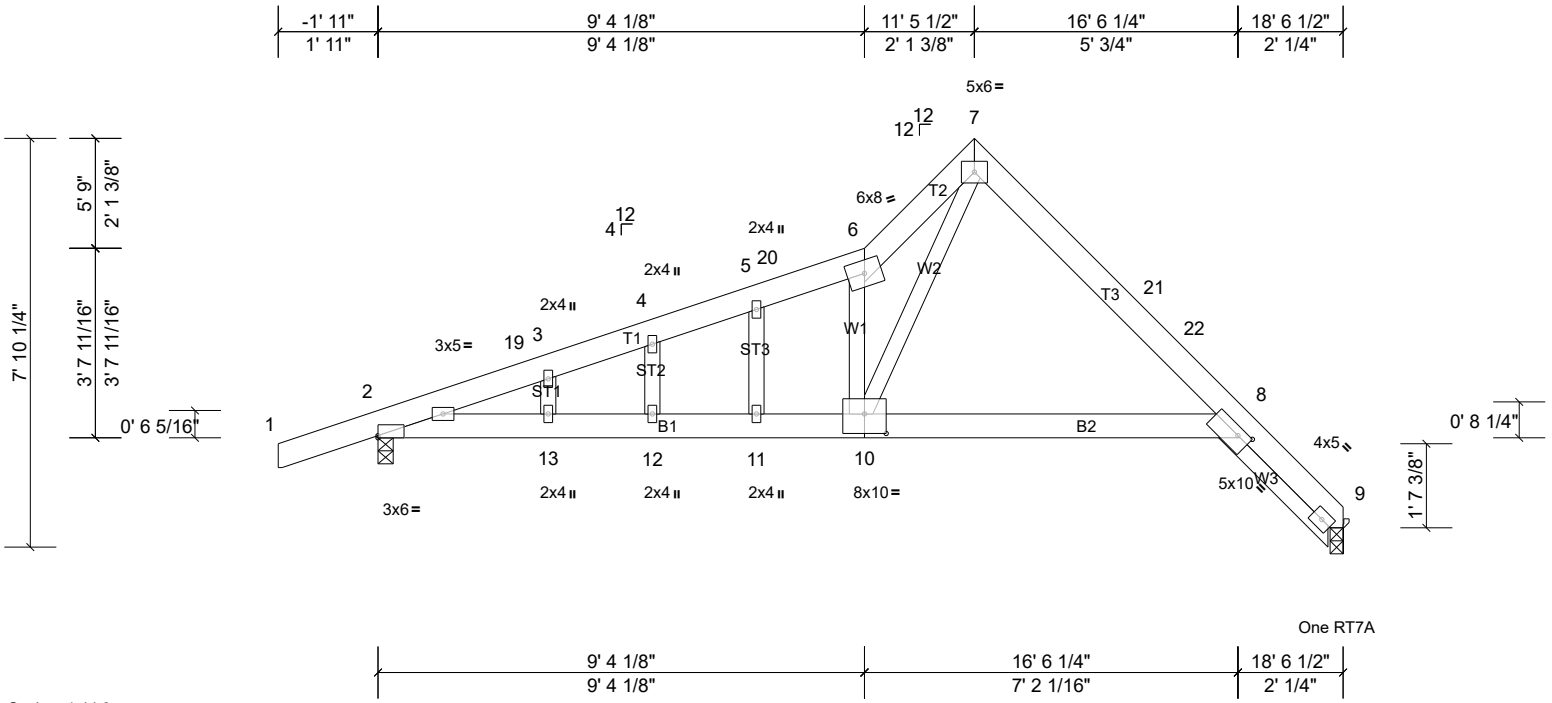
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-10-9 to 1-3-0, Interior (1) 1-3-0 to 9-4-2, Exterior(2R) 9-4-2 to 14-5-8, Interior (1) 14-5-8 to 15-5-0, Exterior(2E) 15-5-0 to 18-5-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) Bearing at joint(s) 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 6 and 2. This connection is for uplift only and does not consider lateral forces.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	M2	Roof Special Structural Gable	2	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:07:05 — Page: 1

ID:7aSVOiLL711PEdH1onkvisz8ff2-Qzag8zevxS0trub62R588vKCvPVrXbOfNGWJQez8Ksq



Scale = 1:44.3

Plate Offsets (X, Y): [2:Edge,0' 1/2"], [8:0' 2 15/16",0' 1 3/4"], [10:0' 5",0' 4 1/2"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.62	Vert(LL)	-0.15	12-13	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.87	Vert(CT)	-0.27	10-17	>814	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.70	Horz(CT)	0.19	9	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 121 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2 *Except* T3:2x6 SP 2400F 2.0E
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3 *Except* W3:2x4 SP No.2
OTHERS	2x4 SP No.3

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-1-10 oc purlins.
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=856/0' 3 1/2", (min. 0' 1 1/2"), 9=746/0' 3", (min. 0' 1 1/2")
Max Horiz 2=170 (LC 13)
Max Uplift 2=-137 (LC 10), 9=-42 (LC 15)
Max Grav 2=920 (LC 39), 9=786 (LC 22)

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

TOP CHORD	2-19=-1459/258, 3-19=-1428/259, 3-4=-1439/281, 4-5=-1402/298, 5-20=-1431/324, 6-20=-1420/330, 6-7=-1900/489, 7-21=-897/252, 21-22=-915/226, 8-22=-934/220, 8-9=-544/188
BOT CHORD	2-13=-71/1347, 12-13=-71/1347, 11-12=-71/1347, 10-11=-71/1347, 8-10=0/708
WEBS	6-10=-1052/266, 7-10=-333/1698

NOTES

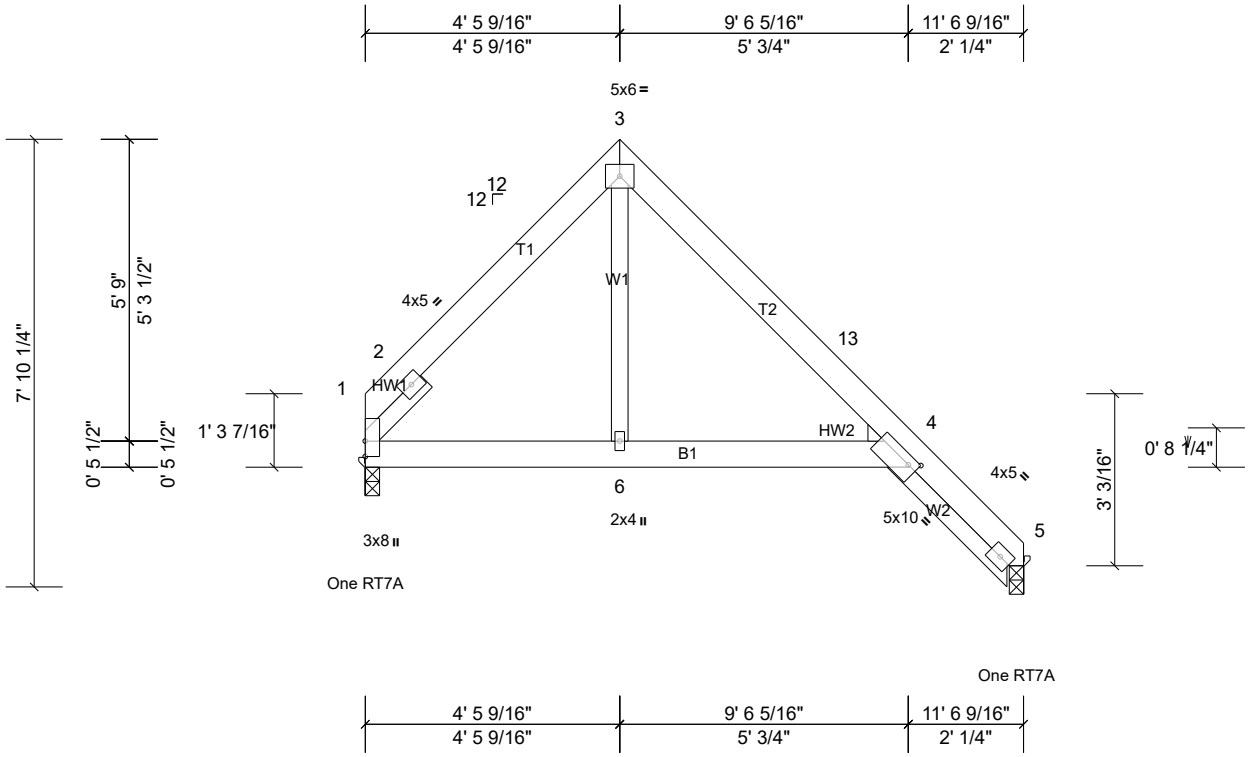
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-10-9 to 1-3-0, Interior (1) 1-3-0 to 9-4-2, Exterior(2R) 9-4-2 to 14-5-8, Interior (1) 14-5-8 to 15-5-0, Exterior(2E) 15-5-0 to 18-5-0 zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * 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.
10) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
11) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 9 and 2. This connection is for uplift only and does not consider lateral forces.
12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	N1	Roof Special	3	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:07:05 — Page: 1

ID:NKWZ_oYXzKZ_wPO5dv_zYXz8hLF-Qzag8zevxS0trub62R588vKA2PXAXkZfNGWJQez8Ksq



Scale = 1:40.4

Plate Offsets (X, Y): [4:0' 1 15/16",0' 1 3/4"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.74	Vert(LL)	-0.10	6-11	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.72	Vert(CT)	-0.17	6-11	>824	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.13	5	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 76 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3
WEDGE	Right: 2x4 SP No.3
SLIDER	Left 2x4 SP No.3 -- 1' 6"

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.

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

REACTIONS (lb/size) 1=458/0' 3", (min. 0' 1 1/2"), 5=471/0' 3", (min. 0' 1 1/2")
Max Horiz 1=-162 (LC 15)
Max Uplift 1=-29 (LC 15), 5=-36 (LC 15)
Max Grav 1=548 (LC 21), 5=541 (LC 22)

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

TOP CHORD	2-3=-564/105, 3-13=-472/96, 4-13=-545/66, 4-5=-371/76
BOT CHORD	1-6=-101/334, 4-6=0/334
WEBS	3-6=-7/296

NOTES

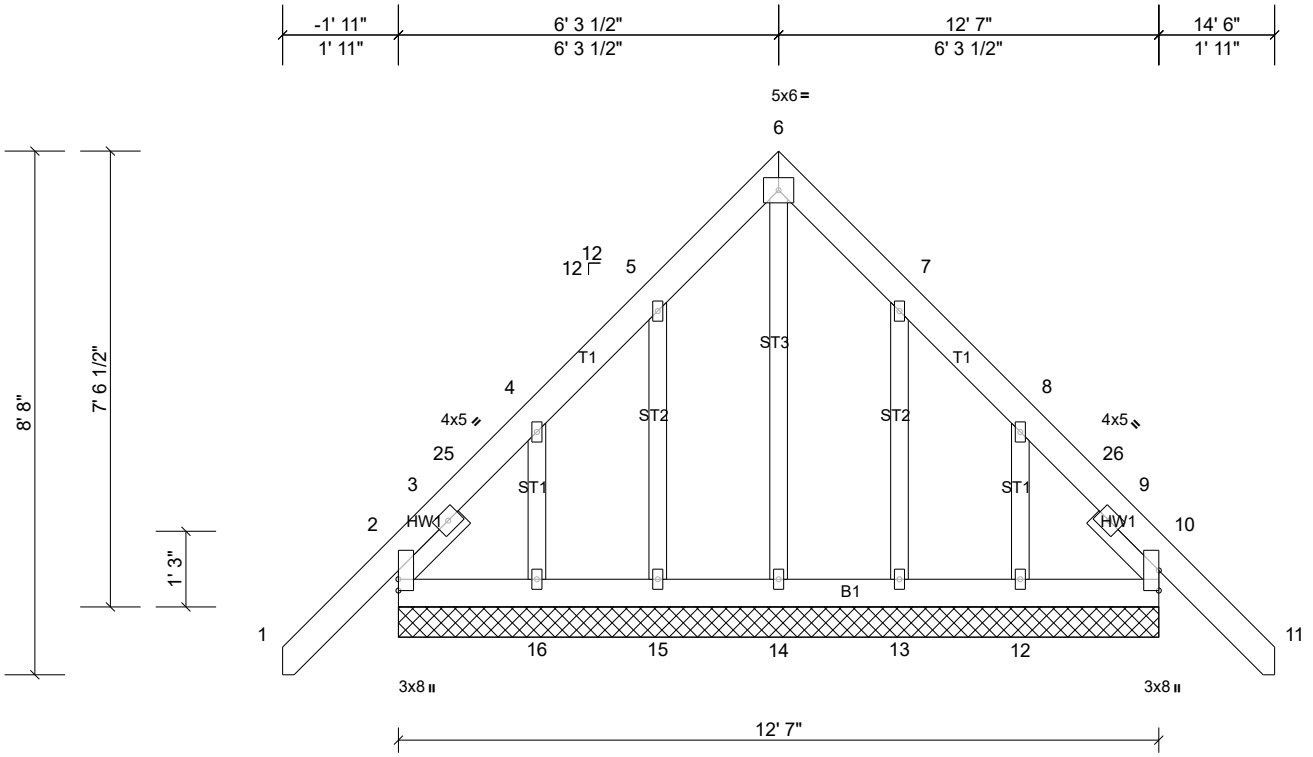
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 1-3-7 to 4-3-7, Exterior(2R) 4-3-7 to 8-9-0, Interior (1) 8-9-0 to 9-8-8, Exterior(2E) 9-8-8 to 12-8-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1 and 5. This connection is for uplift only and does not consider lateral forces.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	P1	Common Supported Gable	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:07:05 — Page: 1

ID:IXb8YpR1uigMtBitfScTQ?z8MPD-Qzag8zevxS0trub62R588vKJCPijXjLfNGWJQez8Ksq



Scale = 1:38.1

Loading	(psf)	Spacing	1' 11 1/4"	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.00	10	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 121 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
OTHERS	2x4 SP No.3
SLIDER	Left 2x4 SP No.3 -- 1' 6", Right 2x4 SP No.3 -- 1' 6"

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS All bearings 12' 7".

(lb) - Max Horiz 2=185 (LC 13), 17=185 (LC 13)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 10, 13, 15, 17, 21 except 12=-148 (LC 15), 16=-153 (LC 14)
Max Grav All reactions 250 (lb) or less at joint(s) 2, 10, 12, 14, 16, 17, 21 except 13=275 (LC 22), 15=275 (LC 21)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 2-16=-74/262, 15-16=-74/263, 14-15=-74/264, 13-14=-74/264, 12-13=-74/263, 10-12=-73/262

NOTES

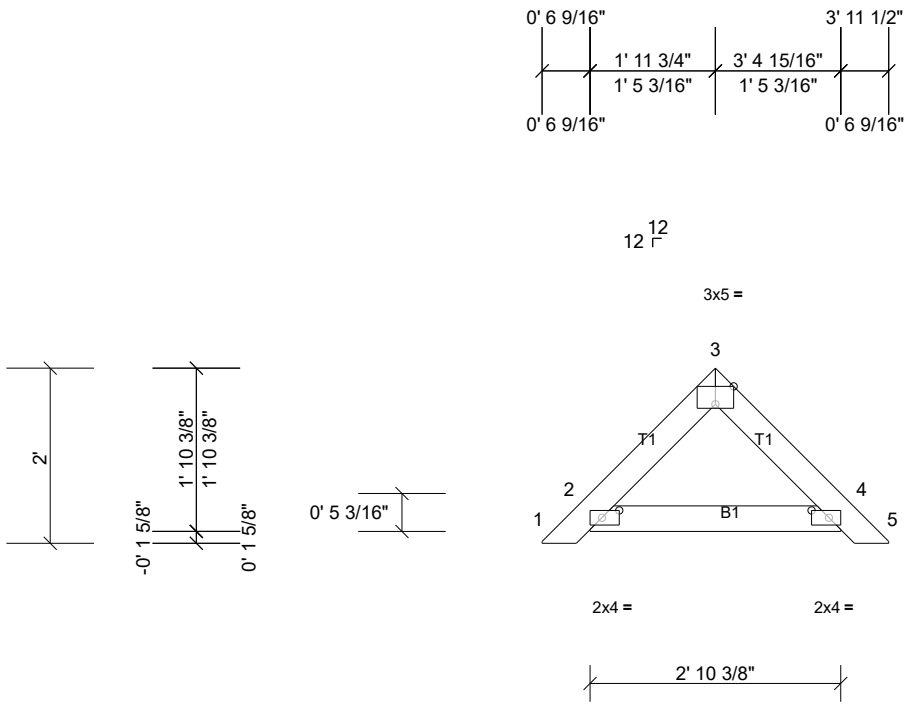
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) -1-9-14 to 1-2-2, Exterior(2N) 1-2-2 to 3-3-8, Corner(3R) 3-3-8 to 9-3-8, Exterior(2N) 9-3-8 to 11-4-14, Corner(3E) 11-4-14 to 14-4-14 zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
7) All plates are 2x4 MT20 unless otherwise indicated.
8) Gable requires continuous bottom chord bearing.
9) Gable studs spaced at 2-0-0 oc.
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
11) * 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.
12) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 10, 15, 16, 13, and 12. This connection is for uplift only and does not consider lateral forces.
13) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	PB04	Piggyback	2	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:07:06 — Page: 1

ID:_8g4Ujl87o?p1CwbmpBoWNz8MXs-u982MJfXim9kS2AIc8cNg7sVip2xGCcocwFty4z8Ksp



Scale = 1:26.3

Plate Offsets (X, Y): [2:0' 2 3/8",0' 1"], [3:0' 2 1/2",Edge], [4:0' 2 3/8",0' 1"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.04	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 13 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins.
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 All bearings 2' 10 3/8".
(lb) - Max Horiz 2=-42 (LC 12), 6=-42 (LC 12)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4, 6, 9
Max Grav All reactions 250 (lb) or less at joint(s) 2, 4, 6, 9

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

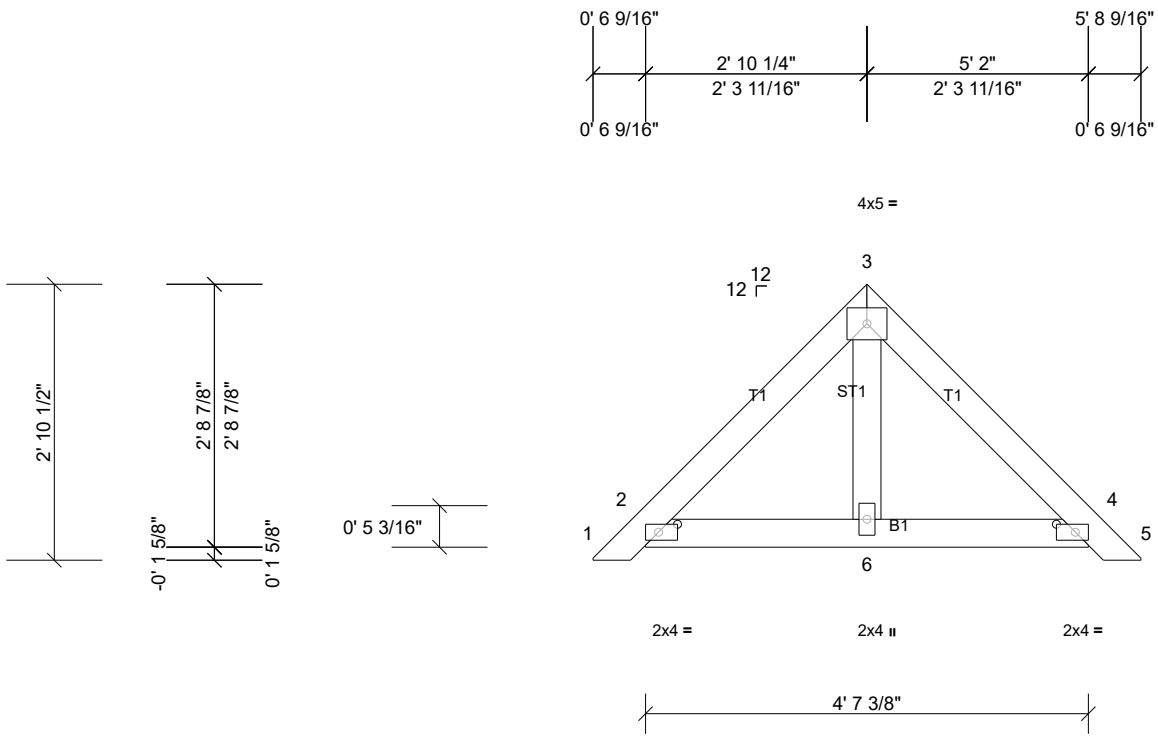
NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; end vertical left and right exposed;C-C for members 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
7) Gable requires continuous bottom chord bearing.
8) Gable studs spaced at 4-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * 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.
11) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 4. This connection is for uplift only and does not consider lateral forces.
12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
13) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	PB05	Piggyback	2	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:07:06 — Page: 1

ID:ZOmXJB3ys4UYsqot77CCN3z8Ma1-u982MJfXim9kS2AIc8cNg7sUsp12GCSocwFty4z8Ksp



Scale = 1:24

Plate Offsets (X, Y): [2:0' 2 3/8",0' 1"], [4:0' 2 3/8",0' 1"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 22 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-9-1 oc purlins.
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 All bearings 4' 7 3/8".
(lb) - Max Horiz 2=-62 (LC 12), 7=-62 (LC 12)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4, 7, 10
Max Grav All reactions 250 (lb) or less at joint(s) 2, 4, 6, 7, 10

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

NOTES

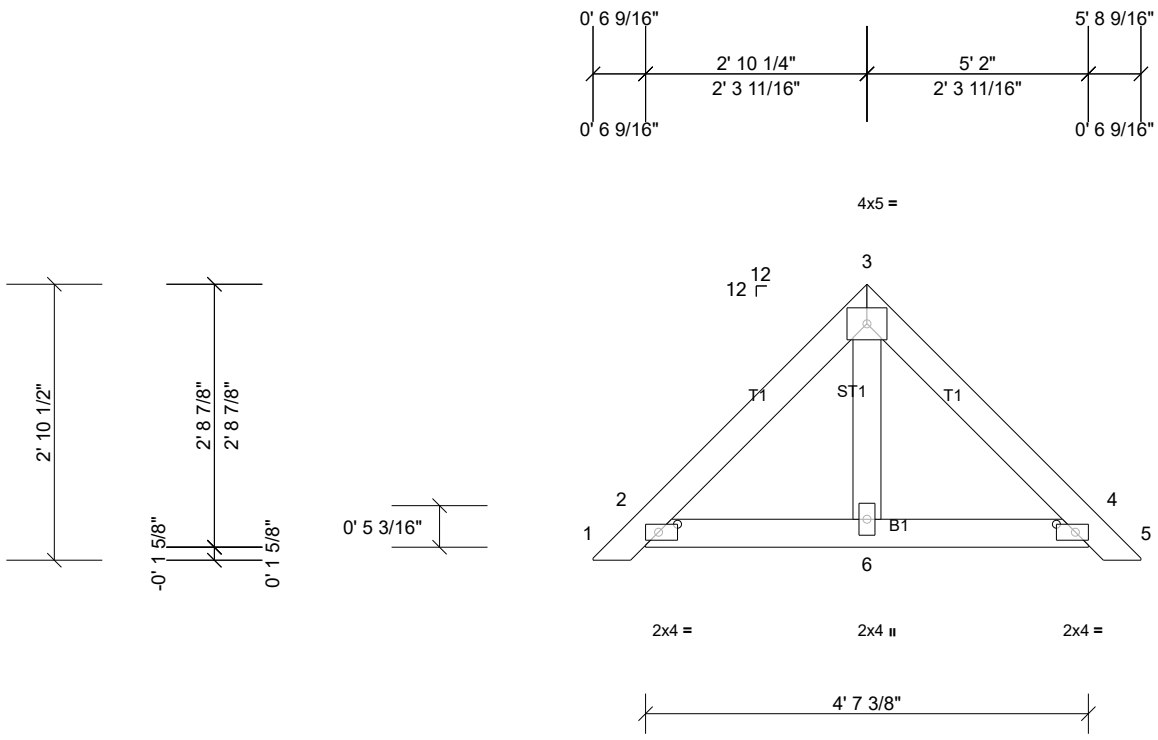
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; end vertical left and right exposed;C-C for members and 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
7) Gable requires continuous bottom chord bearing.
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * 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.
11) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 4. This connection is for uplift only and does not consider lateral forces.
12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
13) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	PB05A	Piggyback	19	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:07:07 — Page: 1

ID:NKWZ_oYXzKZ_wPO5dv_zYXz8hLF-MMiQZfgAT3Hb4ClUAs7cDKPfcDNH?fhxra?QVWz8Kso



Scale = 1:24

Plate Offsets (X, Y): [2:0' 2 3/8",0' 1"], [4:0' 2 3/8",0' 1"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 22 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-9-1 oc purlins.
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 All bearings 4' 7 3/8".
(lb) - Max Horiz 2=-62 (LC 12), 7=-62 (LC 12)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4, 7, 10
Max Grav All reactions 250 (lb) or less at joint(s) 2, 4, 6, 7, 10

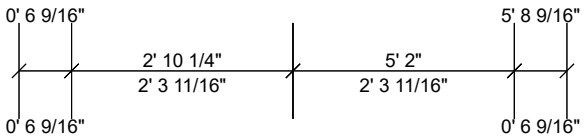
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

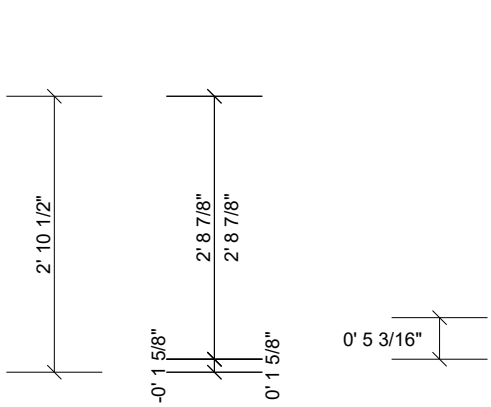
NOTES

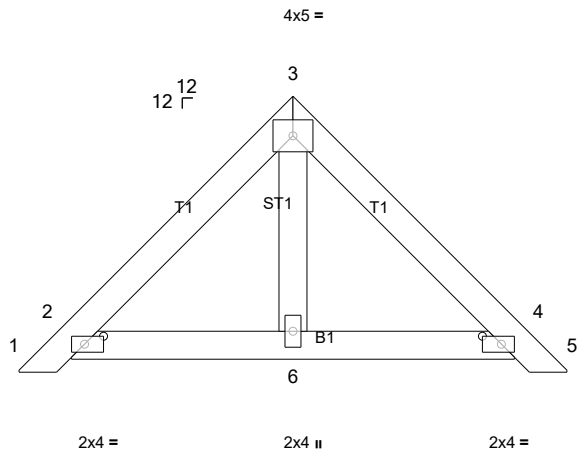
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; end vertical left and right exposed;C-C for members and 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
7) Gable requires continuous bottom chord bearing.
8) Gable studs spaced at 4-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * 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.
11) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 4. This connection is for uplift only and does not consider lateral forces.
12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
13) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	PB05B	Piggyback	1	**2**	Job Reference (optional)







Scale = 1:24

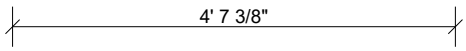


Plate Offsets (X, Y): [2:0' 2 3/8",0' 1"], [4:0' 2 3/8",0' 1"]

LUMBER

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

BRACING

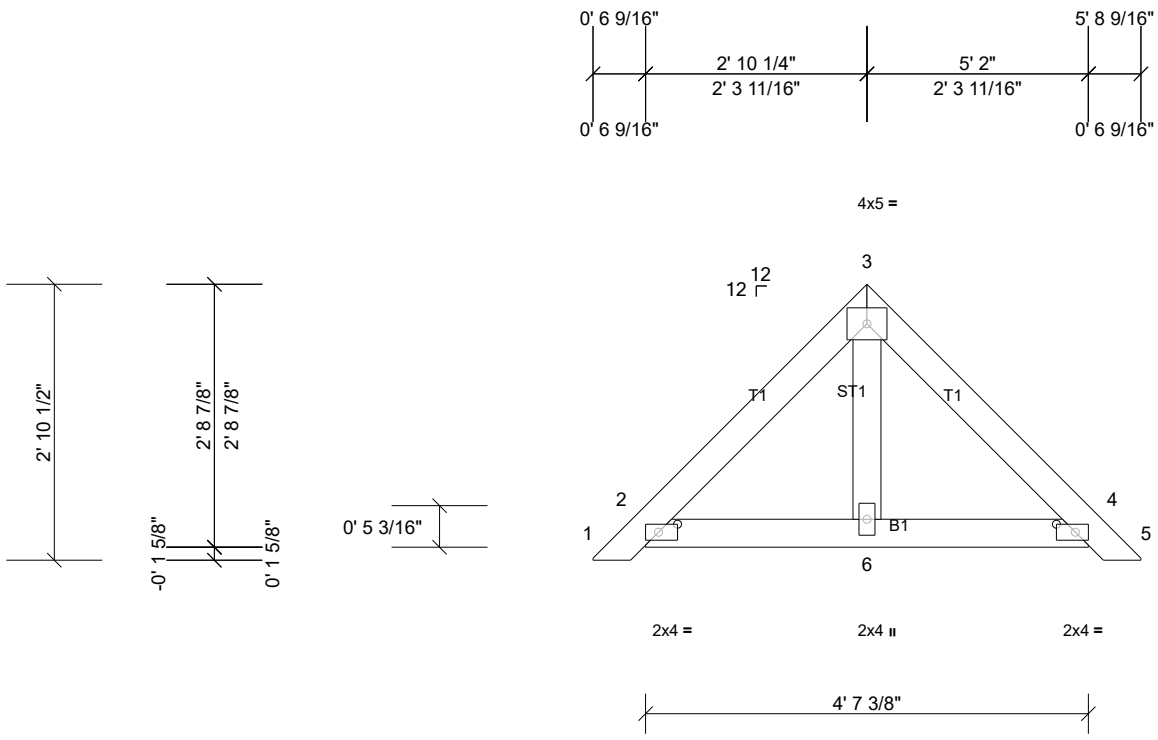
TOP CHORD	Structural wood sheathing directly applied or 5-9-1 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS All bearings 4' 7 3/8".
(lb) - Max Horiz 2=-62 (LC 12), 7=-62 (LC 12)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4, 7, 10
Max Grav All reactions 250 (lb) or less at joint(s) 2, 4, 6, 7, 10

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	PB05C	Piggyback	1	**2**	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:07:07 — Page: 1

ID:rW4yB8Y9kdhrYYylBcVC4kz8hLE-MMiQZfgAT3Hb4ClUAs7cDKPgMDO6?fmxra?QVWz8Kso



Scale = 1:24

Plate Offsets (X, Y): [2:0' 2 3/8",0' 1"], [4:0' 2 3/8",0' 1"]

Loading	(psf)	**Spacing**	2'	**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 44 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-9-1 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS All bearings 4' 7 3/8".
(lb) - Max Horiz 2=-62 (LC 12), 7=-62 (LC 12)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4, 7, 10
Max Grav All reactions 250 (lb) or less at joint(s) 2, 4, 6, 7, 10

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

NOTES

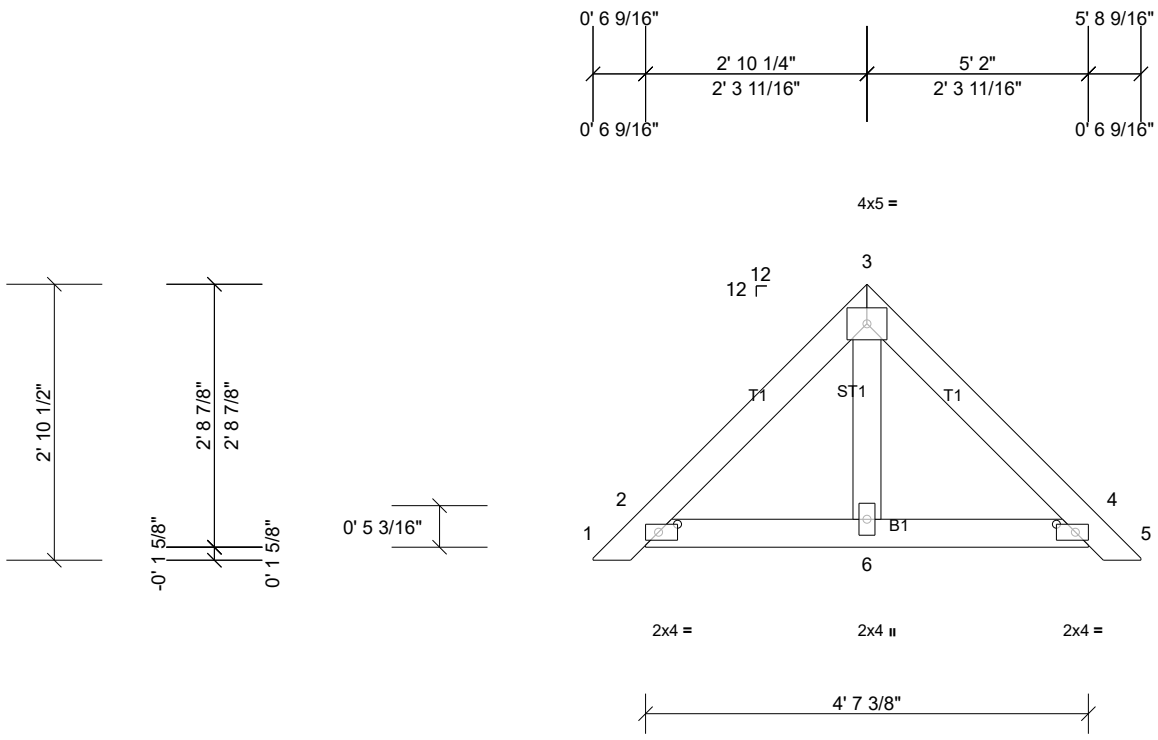
1) 2-ply truss to be connected together as follows:
Top chords connected with 10d (0.131"x3") nails as follows: 2x4 - 1 row at 0' 9" oc.
Bottom chords connected with 10d (0.131"x3") nails as follows: 2x4 - 1 row at 0' 9" oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; 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
5) 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.
6) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
7) Unbalanced snow loads have been considered for this design.
8) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
9) Gable requires continuous bottom chord bearing.
10) Gable studs spaced at 2-0-0 oc.
11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
12) * 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.
13) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 4. This connection is for uplift only and does not consider lateral forces.
14) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
15) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	PB05D	Piggyback	2	**3**	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:07:08 — Page: 1

ID:GquQcRZX?4qPfYstf1_gVTz8drs-rYFon?goENPSiMKhjZerlYyrMcjdk6254Ek_1zz8Ksn



Scale = 1:24

Plate Offsets (X, Y): [2:0' 2 3/8",0' 1"], [4:0' 2 3/8",0' 1"]

Loading	(psf)	**Spacing**	2'	**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.03	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 66 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-9-1 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS All bearings 4' 7 3/8".

(lb) - Max Horiz 2=-62 (LC 12), 7=-62 (LC 12)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4, 7, 10
Max Grav All reactions 250 (lb) or less at joint(s) 2, 4, 6, 7, 10

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

NOTES

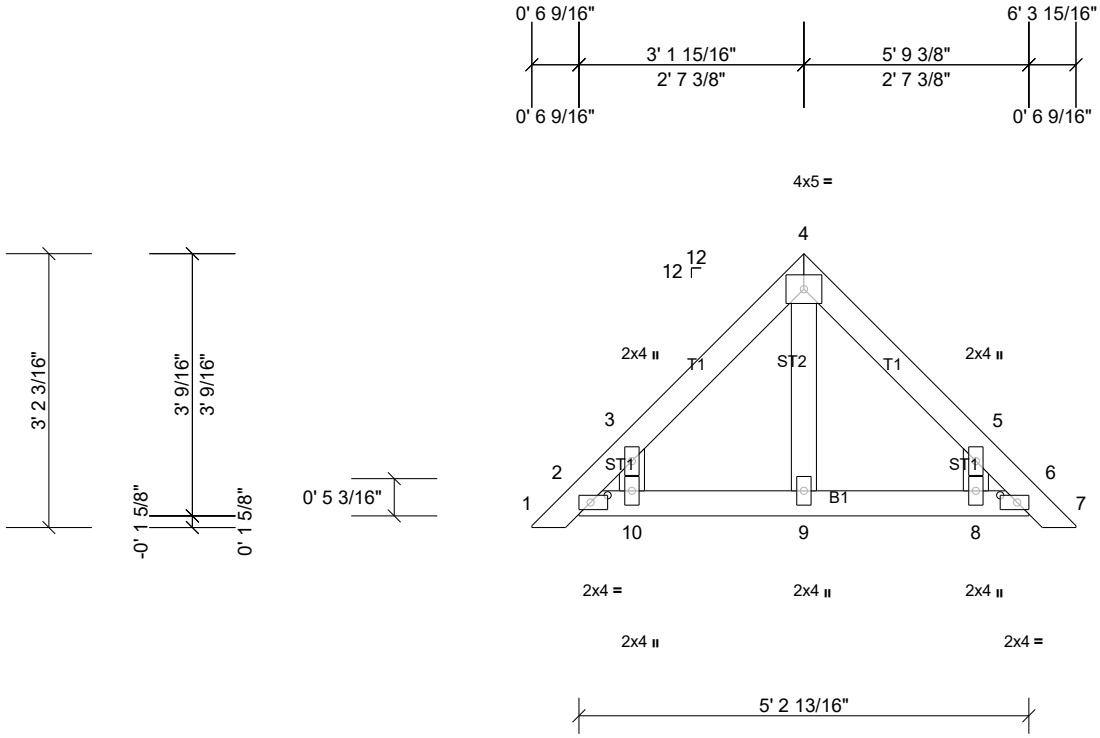
1) 3-ply truss to be connected together as follows:
Top chords connected with 10d (0.131"x3") nails as follows: 2x4 - 1 row at 0' 9" oc.
Bottom chords connected with 10d (0.131"x3") nails as follows: 2x4 - 1 row at 0' 9" oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; 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
5) 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.
6) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
7) Unbalanced snow loads have been considered for this design.
8) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
9) Gable requires continuous bottom chord bearing.
10) Gable studs spaced at 4-0-0 oc.
11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
12) * 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.
13) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 4. This connection is for uplift only and does not consider lateral forces.
14) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
15) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	PB06	Piggyback	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:07:08 — Page: 1

ID:Y4Dq8K9fm8Er4PHPA3hYsfz8MOH-rYFon?goENPSiMKhjZerlYyqVcjfk6S54Ek_1zz8Ksn



Scale = 1:26.8

5' 2 13/16"

Plate Offsets (X, Y): [2:0' 2 3/8",0' 1"], [6:0' 2 3/8",0' 1"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	14	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 26 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
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.

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

REACTIONS All bearings 5' 2 13/16".

(lb) - Max Horiz 2=-70 (LC 12), 11=-70 (LC 12)

Max Uplift All uplift 100 (lb) or less at joint(s) 2, 6, 11, 14 except 8=-111 (LC 15), 10=-112 (LC 14)

Max Grav All reactions 250 (lb) or less at joint(s) 2, 6, 8, 9, 10, 11, 14

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

NOTES

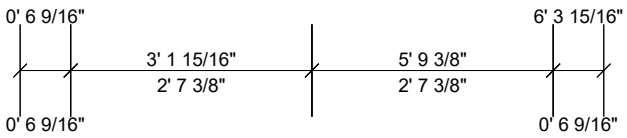
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; end vertical left and right exposed;C-C for members and 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
7) Gable requires continuous bottom chord bearing.
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * 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.
11) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 6, 10, and 8. This connection is for uplift only and does not consider lateral forces.
12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
13) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

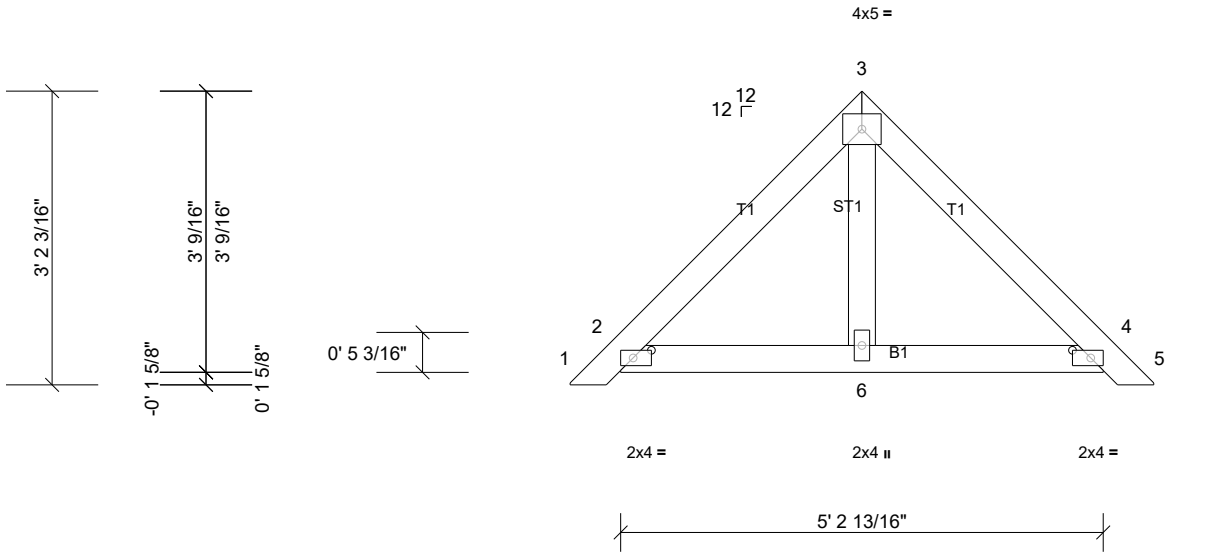
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	PB06A	Piggyback	3	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:07:09 — Page: 1

ID:Ujs?7pOaIzd8sKE2oYX?7fz8MO_-JkpA_KhQ?hXJJWutHH94IlU_X01CTZ9EltUXZPz8Ksm





Scale = 1:25

Plate Offsets (X, Y): [2:0' 2 3/8",0' 1"], [4:0' 2 3/8",0' 1"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 25 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
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.

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

REACTIONS All bearings 5' 2 13/16".
(lb) - Max Horiz 2=-70 (LC 12), 7=-70 (LC 12)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4, 7, 10
Max Grav All reactions 250 (lb) or less at joint(s) 2, 4, 6, 7, 10

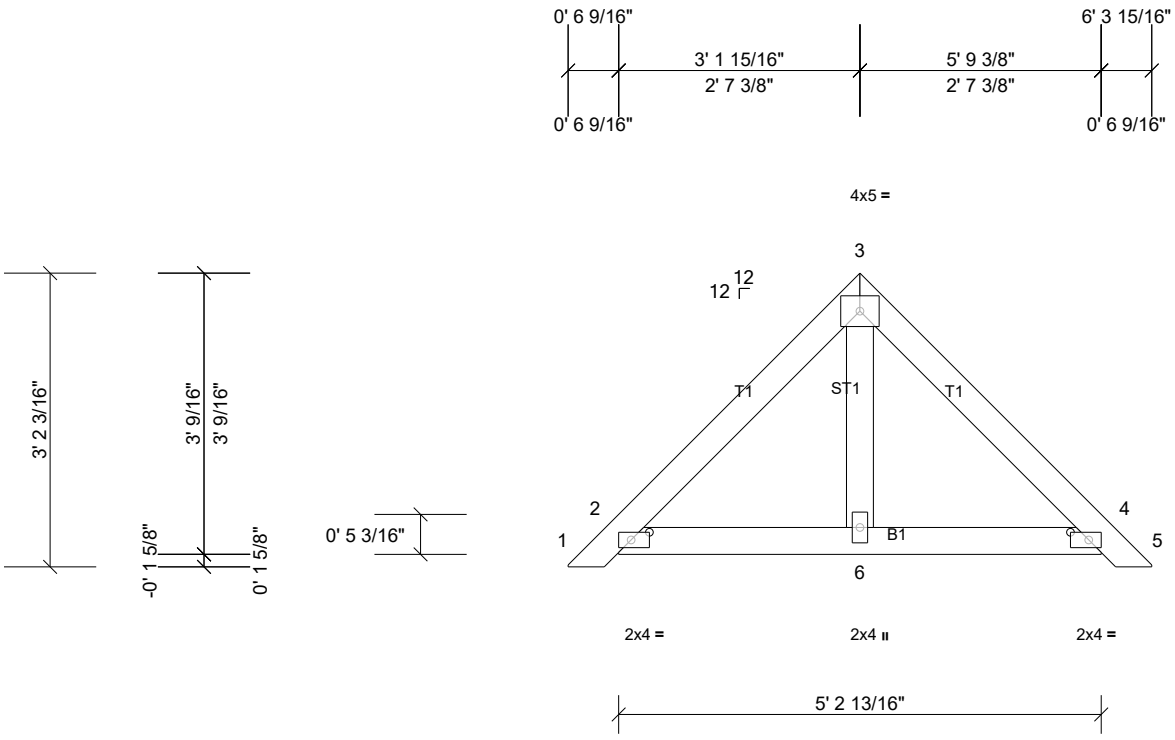
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
7) Gable requires continuous bottom chord bearing.
8) Gable studs spaced at 4-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * 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.
11) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 4. This connection is for uplift only and does not consider lateral forces.
12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
13) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	PB06B	Piggyback	1	**2**	Job Reference (optional)



Scale = 1:25

Plate Offsets (X, Y): [2:0' 2 3/8",0' 1"], [4:0' 2 3/8",0' 1"]

LUMBER

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

BRACING

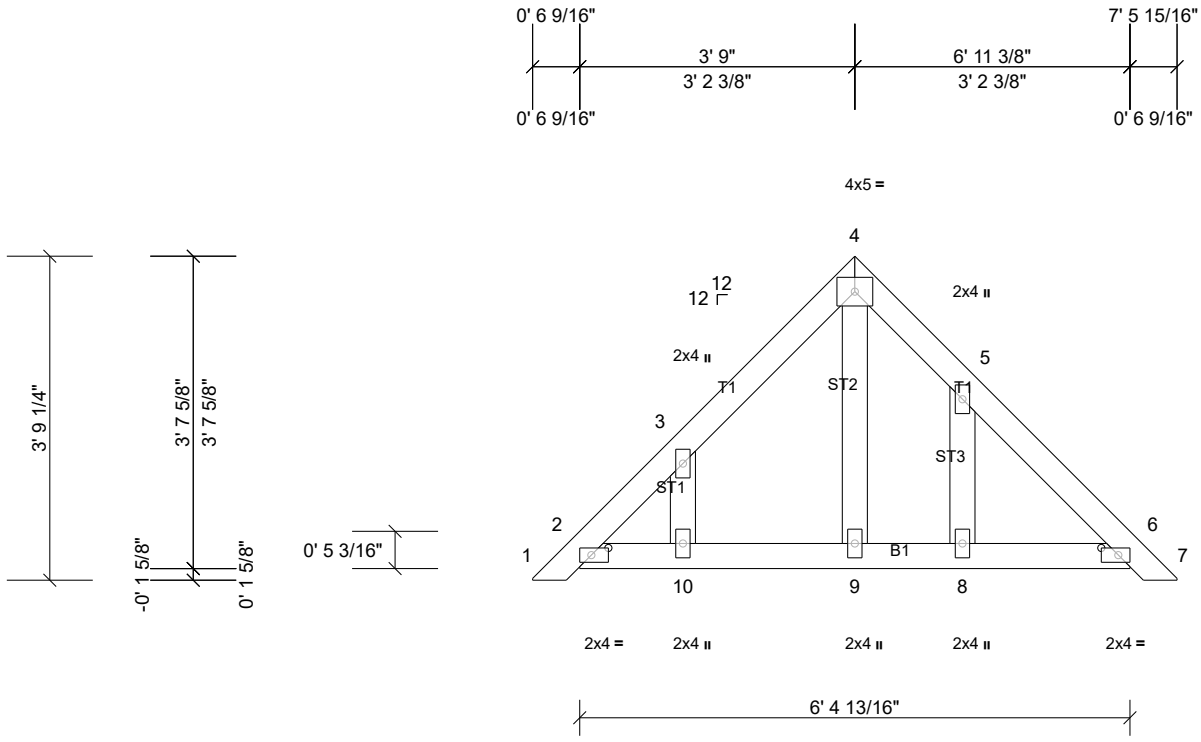
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS All bearings 5' 2 13/16".
(lb) - Max Horiz 2=-70 (LC 12), 7=-70 (LC 12)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4, 7, 10
Max Grav All reactions 250 (lb) or less at joint(s) 2, 4, 6, 7, 10

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	PB07	Piggyback	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:07:09 — Page: 1

ID:ZG9KDThLwRJdqpTlvanJoTz8fiU-JkpA_KhQ?hXJJWutHH94IlU?H03TTZiEltUXZPz8Ksm



Scale = 1:26.8

Plate Offsets (X, Y): [2:0' 2 3/8",0' 1"], [6:0' 2 3/8",0' 1"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	6	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 34 lb	FT = 20%

LUMBER

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

REACTIONS All bearings 6' 4 13/16".

(lb) - Max Horiz 2=-83 (LC 12), 11=-83 (LC 12)

Max Uplift All uplift 100 (lb) or less at joint(s) 2, 11 except 8=-107 (LC 15), 10=-109 (LC 14)

Max Grav All reactions 250 (lb) or less at joint(s) 2, 6, 8, 9, 10, 11, 14

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

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.

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

NOTES

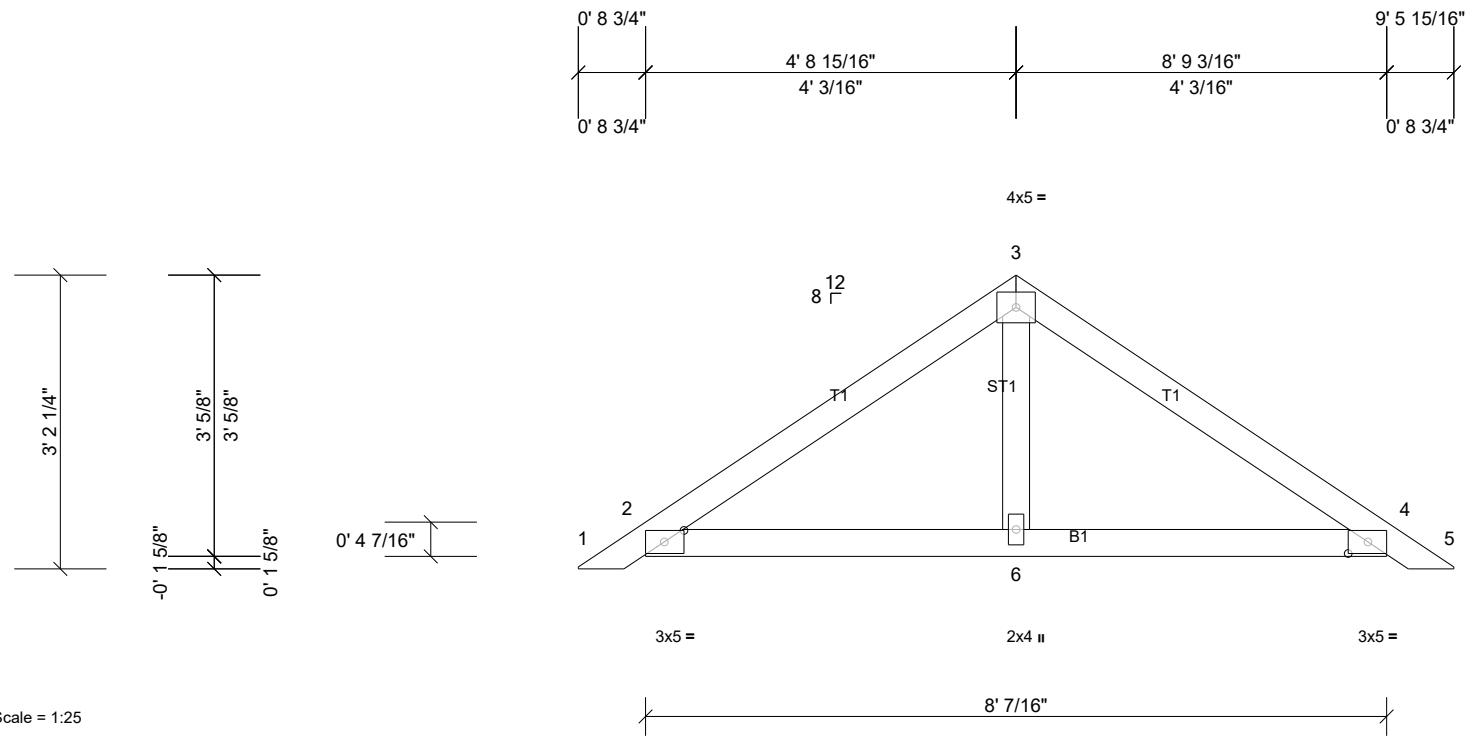
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-2-10 to 3-2-10, Exterior(2R) 3-2-10 to 4-3-14, Exterior(2E) 4-3-14 to 7-3-14 zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
7) Gable requires continuous bottom chord bearing.
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * 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.
11) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 8, and 10. This connection is for uplift only and does not consider lateral forces.
12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
13) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	PB09	Piggyback	6	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:07:10 — Page: 1

ID:JNvr8PzfZeF7VkLYJ__HPnz8gaw-nwNZCgi2m_fAxfT3r_gJrz162QKMC0BOXXD45rz8Ksl



Scale = 1:25

Plate Offsets (X, Y): [2:0' 2 9/16",0' 1 1/2"], [4:0' 2 9/16",0' 1 1/2"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.34	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.34	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 33 lb	FT = 20%

LUMBER

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

REACTIONS All bearings 8' 7/16".
(lb) - Max Horiz 2=70 (LC 13), 7=70 (LC 13)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4, 7, 11
Max Grav All reactions 250 (lb) or less at joint(s) except 2=321 (LC 21), 4=321 (LC 22), 6=280 (LC 22), 7=321 (LC 21), 11=321 (LC 22)

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

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.

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

NOTES

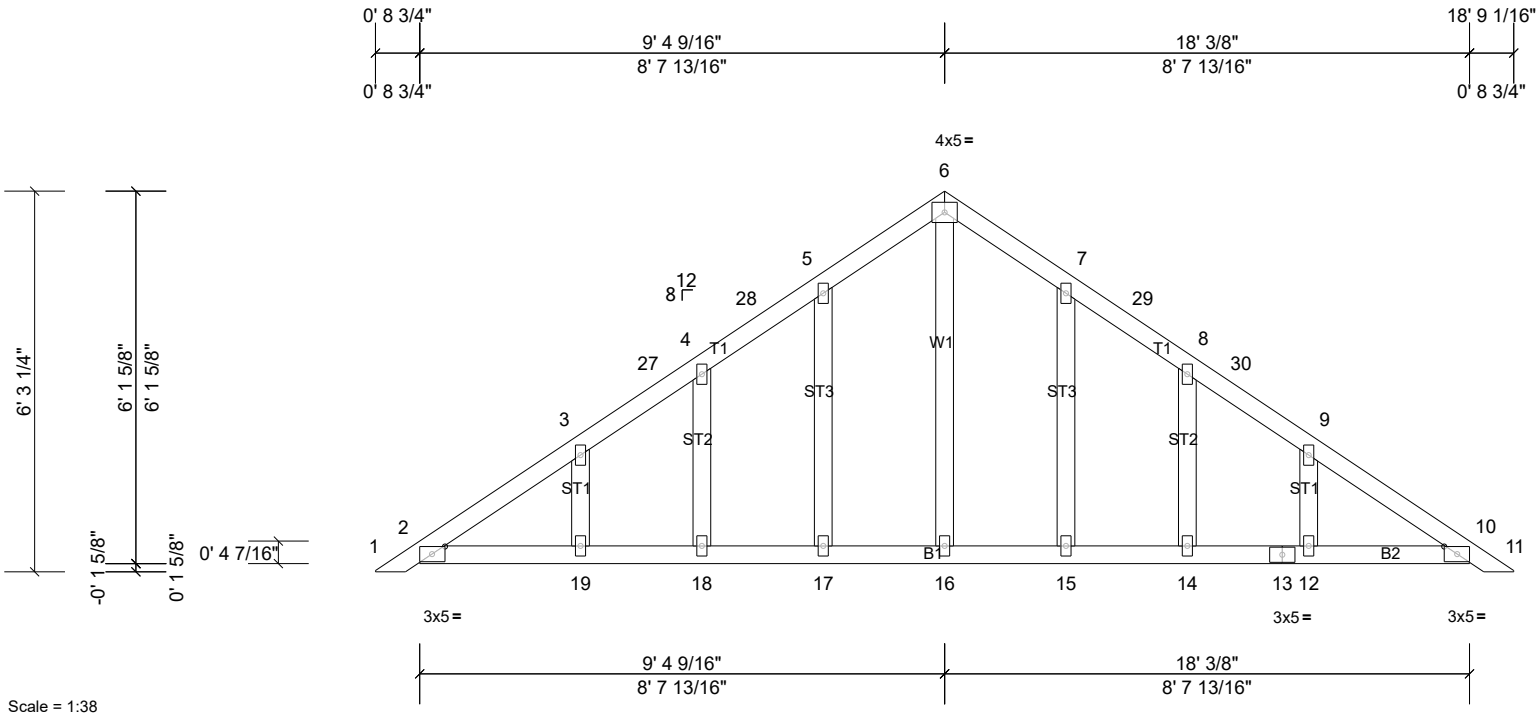
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-3-5 to 3-3-5, Exterior(2R) 3-3-5 to 6-3-5, Exterior(2E) 6-3-5 to 9-3-5 zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
7) Gable requires continuous bottom chord bearing.
8) Gable studs spaced at 4-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * 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.
11) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 4. This connection is for uplift only and does not consider lateral forces.
12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
13) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	PB18	Piggyback	2	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:07:10 — Page: 1

ID:sStErOCzHKSn_O0lfjZ011z8hQr-nwNZCgi2m_fAxfT3r_gJrz1A_QPhC?AOXXD45rz8Ksl



Scale = 1:38

Plate Offsets (X, Y): [2:0' 2 9/16",0' 1 1/2"], [10:0' 2 9/16",0' 1 1/2"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	10	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 94 lb	FT = 20%

LUMBER

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

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

REACTIONS All bearings 17' 3 5/8".
(lb) - Max Horiz 2=-143 (LC 12), 20=-143 (LC 12)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 12, 14, 15, 17, 18, 19, 20
Max Grav All reactions 250 (lb) or less at joint(s) 2, 10, 12, 14, 16, 18, 19, 20, 24 except 15=265 (LC 22), 17=265 (LC 21)

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

NOTES

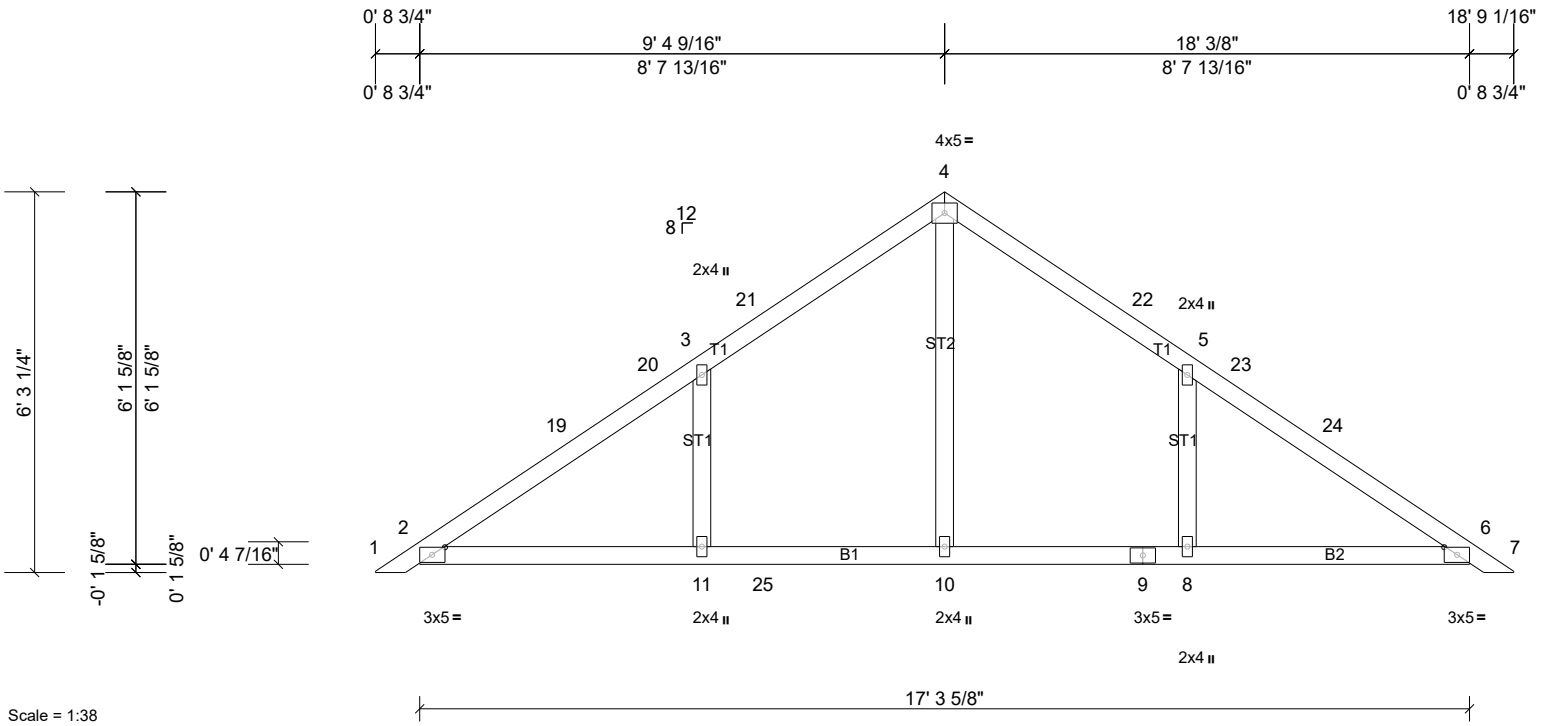
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-3-5 to 3-4-15, Interior (1) 3-4-15 to 6-4-15, Exterior(2R) 6-4-15 to 12-4-15, Interior (1) 12-4-15 to 15-4-15, Exterior(2E) 15-4-15 to 18-6-8 zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
7) All plates are 2x4 MT20 unless otherwise indicated.
8) Gable requires continuous bottom chord bearing.
9) Gable studs spaced at 2-0-0 oc.
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
11) * 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.
12) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 17, 18, 19, 15, 14, and 12. This connection is for uplift only and does not consider lateral forces.
13) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
14) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	PB18A	Piggyback	17	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:07:11 — Page: 1

ID:sMk_wILR5EmmeDIdbUkQ3tz8hzX-F7xxP0jgXIn1Zp2FPiBYNAaHmqidxS9XmBzeeIz8Ksk



Scale = 1:38

Plate Offsets (X, Y): [2:0' 2 9/16",0' 1 1/2"], [6:0' 2 9/16",0' 1 1/2"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.34	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.21	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00	6	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 76 lb	FT = 20%

LUMBER

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

REACTIONS All bearings 17' 3 5/8".

(lb) - Max Horiz 2=-143 (LC 12), 12=-143 (LC 12)

Max Uplift All uplift 100 (lb) or less at joint(s) 2, 6, 12, 16 except 8=-157 (LC 15), 11=-158 (LC 14)

Max Grav All reactions 250 (lb) or less at joint(s) 2, 6, 12, 16 except 8=546 (LC 6), 10=309 (LC 27), 11=542 (LC 5)

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

WEBS 3-11=-418/193, 5-8=-418/193

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.

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

NOTES

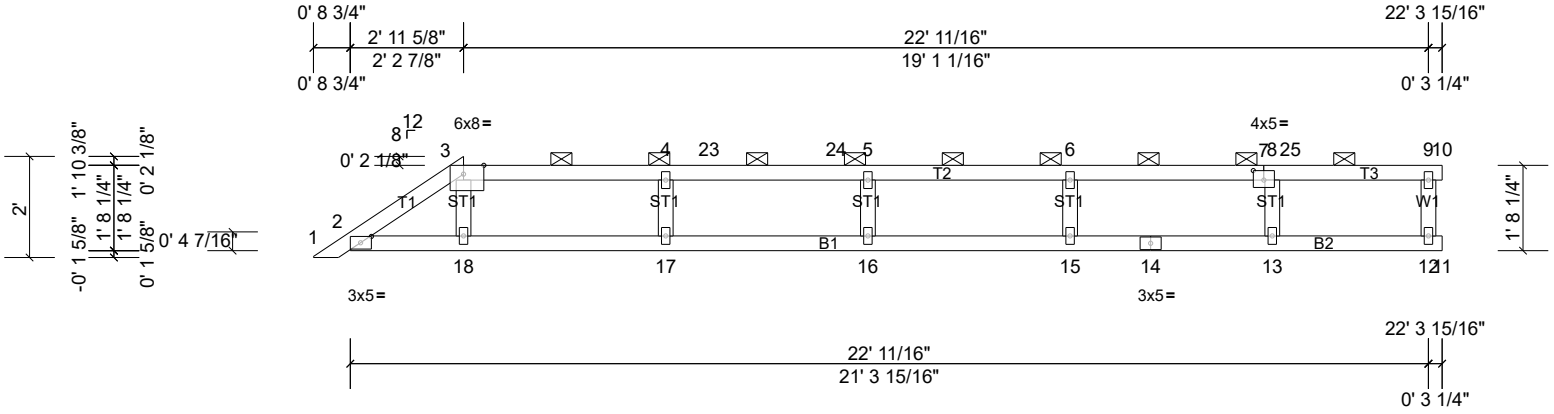
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-3-5 to 3-3-5, Interior (1) 3-3-5 to 6-4-15, Exterior(2R) 6-4-15 to 12-4-15, Interior (1) 12-4-15 to 15-6-8, Exterior(2E) 15-6-8 to 18-6-8 zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
7) Gable requires continuous bottom chord bearing.
8) Gable studs spaced at 4-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * 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.
11) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 11, 8, and 6. This connection is for uplift only and does not consider lateral forces.
12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
13) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	PB22	Piggyback	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:07:11 — Page: 1

ID:XGS_OY_rw9cot?tPPnyh?Hz8gX1-F7xxP0jgXIn1Zp2FPiBYNAaHyqk4xSZXmBzeeIz8Ksk



Scale = 1:45.6

Plate Offsets (X, Y): [2:0' 2 9/16",0' 1 1/2"], [3:0' 4 13/16",Edge], [7:0' 2 1/2",0' 2 1/4"]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	10	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 76 lb	FT = 20%

LUMBER

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

REACTIONS All bearings 21' 7 3/16".

(lb) - Max Horiz 2=61 (LC 14), 19=61 (LC 14)

Max Uplift All uplift 100 (lb) or less at joint(s) 2, 11, 12, 13, 15, 16, 17, 18, 19 except 10=-133 (LC 35)

Max Grav All reactions 250 (lb) or less at joint(s) 2, 10, 11, 19 except 12=350 (LC 35), 13=430 (LC 35), 15=388 (LC 35), 16=346 (LC 35), 17=495 (LC 35), 18=282 (LC 35)

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

WEBS 4-17=-412/108, 5-16=-267/96, 6-15=-306/101, 8-13=-357/92, 9-12=-276/78

BRACING

TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 3-10.

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.

NOTES

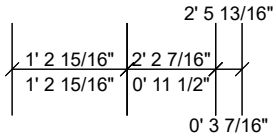
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-3-5 to 3-0-0, Exterior(2R) 3-0-0 to 7-0-0, Interior (1) 7-0-0 to 19-4-5, Exterior(2E) 19-4-5 to 22-4-5 zone;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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
7) Provide adequate drainage to prevent water ponding.
8) All plates are 2x4 MT20 unless otherwise indicated.
9) Gable requires continuous bottom chord bearing.
10) Gable studs spaced at 4-0-0 oc.
11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
12) * 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.
13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=133.
14) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 18, 17, 16, 15, 13, and 12. This connection is for uplift only and does not consider lateral forces.
15) One RT16A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 11. This connection is for uplift only and does not consider lateral forces.
16) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

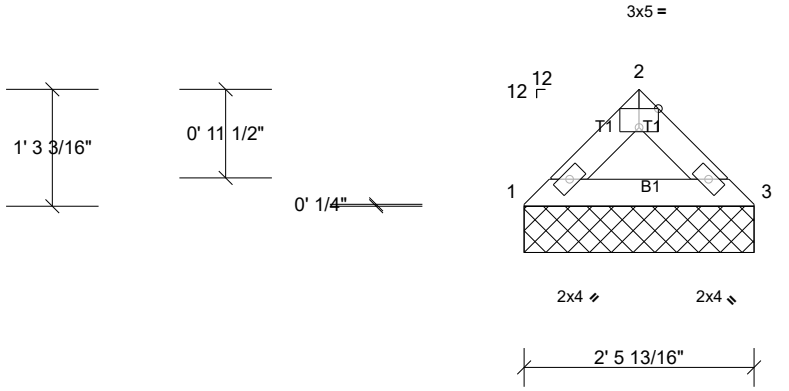
Continued on page 2

17) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
18) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	V02	Valley	1	1	Job Reference (optional)





Scale = 1:24.9

Plate Offsets (X, Y): [2:0' 2 1/2",Edge]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.05	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 8 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-5-13 oc purlins.
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.

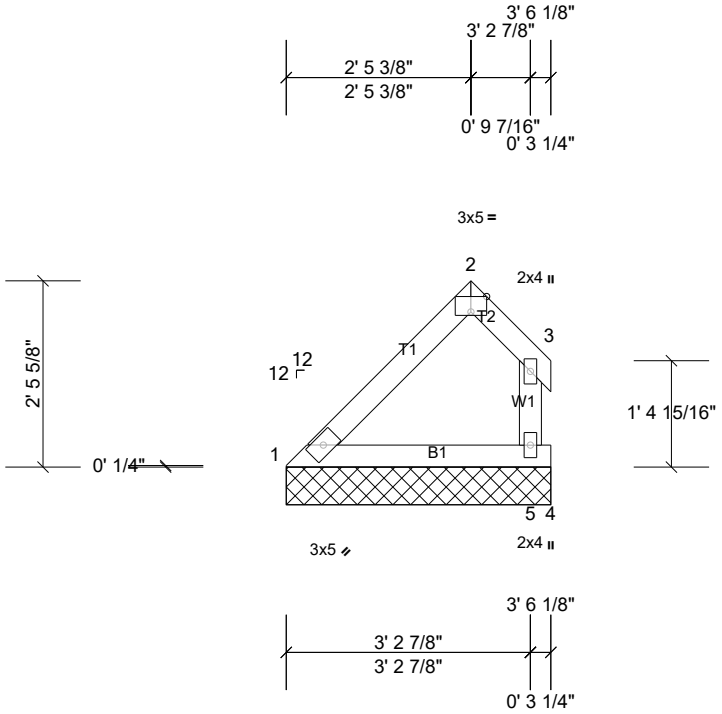
REACTIONS (lb/size) 1=99/2' 5 13/16", (min. 0' 1 1/2"), 3=99/2' 5 13/16", (min. 0' 1 1/2")
Max Horiz 1=25 (LC 13)
Max Uplift 1=-7 (LC 14), 3=-7 (LC 15)
Max Grav 1=114 (LC 20), 3=114 (LC 21)

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 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 7 lb uplift at joint 1 and 7 lb uplift at joint 3.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	V03	Valley	1	1	Job Reference (optional)



Scale = 1:30.6

Plate Offsets (X, Y): [2:0' 2 1/2",Edge]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.34	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.48	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.01	Horiz(TL)	0.00	4	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 14 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-6-2 oc purlins.
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.

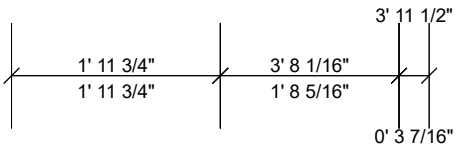
REACTIONS (lb/size) 1=91/3' 6 1/8", (min. 0' 1 1/2"), 4=-459/3' 6 1/8", (min. 0' 1 1/2"), 5=632/3' 6 1/8", (min. 0' 1 1/2")
Max Horiz 1=67 (LC 14)
Max Uplift 1=-1 (LC 15), 4=-504 (LC 23), 5=-172 (LC 14)
Max Grav 1=103 (LC 20), 4=135 (LC 14), 5=681 (LC 23)

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

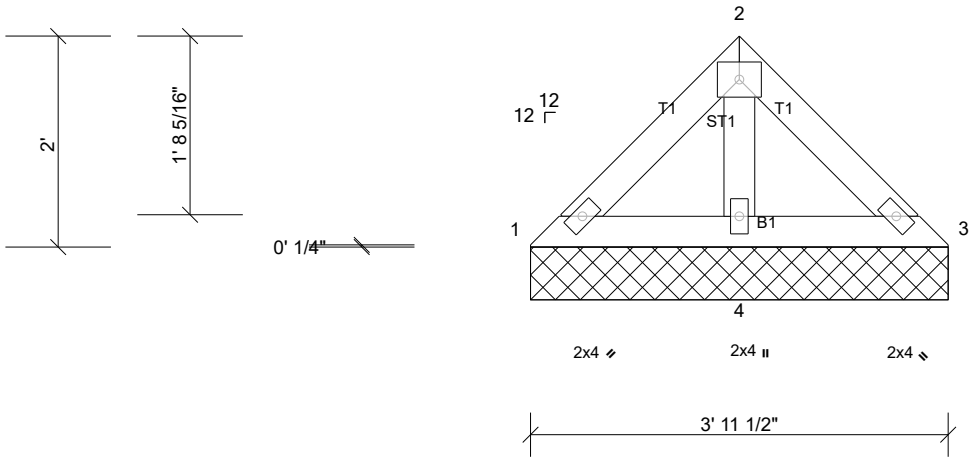
NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 504 lb uplift at joint 4, 1 lb uplift at joint 1 and 172 lb uplift at joint 5.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	V04	Valley	1	1	Job Reference (optional)



4x5 =



Scale = 1:21.8

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.07	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 15 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-11-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

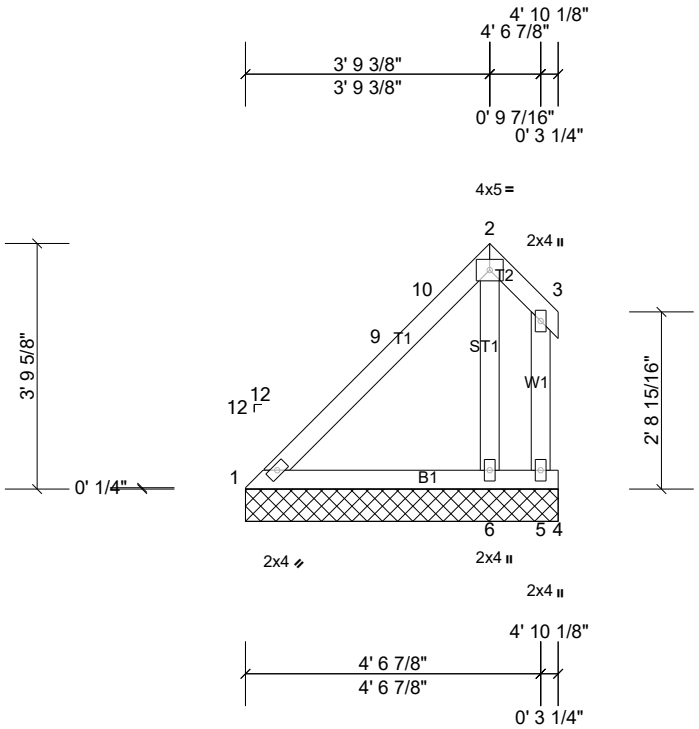
REACTIONS (lb/size) 1=49/3' 11 1/2", (min. 0' 1 1/2"), 3=49/3' 11 1/2", (min. 0' 1 1/2"), 4=219/3' 11 1/2", (min. 0' 1 1/2")
Max Horiz 1=42 (LC 11)
Max Uplift 1=-1 (LC 15), 3=-4 (LC 15), 4=-30 (LC 14)
Max Grav 1=80 (LC 20), 3=80 (LC 21), 4=224 (LC 20)

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 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1 lb uplift at joint 1, 4 lb uplift at joint 3 and 30 lb uplift at joint 4.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	V04A	Valley	1	1	Job Reference (optional)



Scale = 1:35.7

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.19	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.23	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	4	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 25 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-10-2 oc purlins.
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.

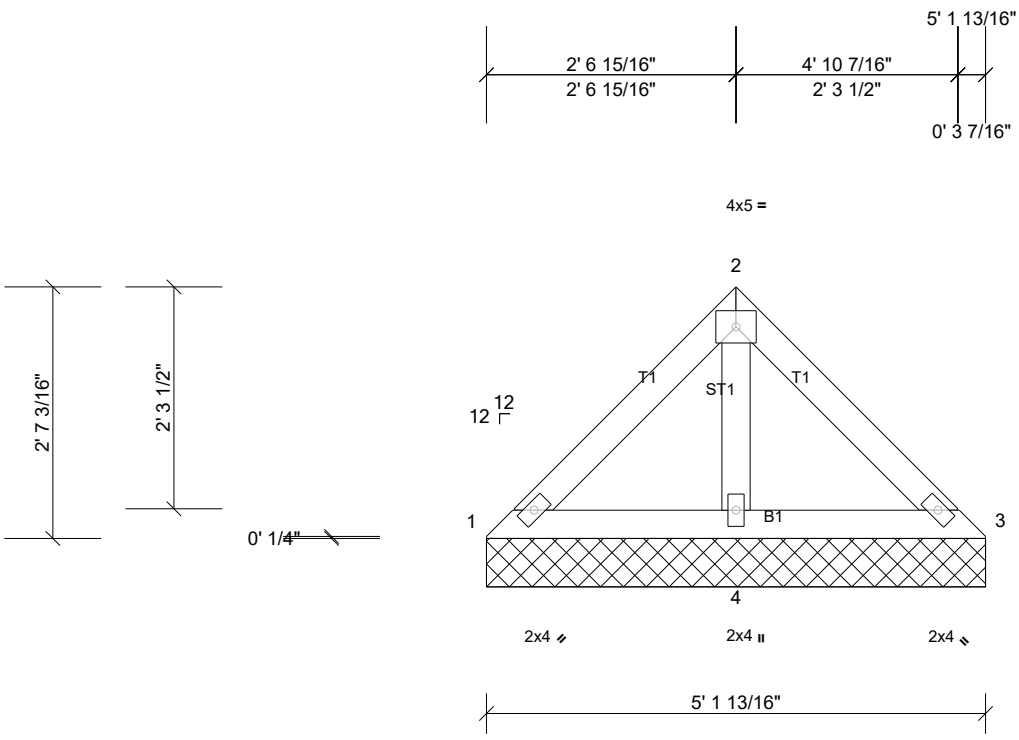
REACTIONS All bearings 4' 10 1/8".
(lb) - Max Horiz 1=116 (LC 14)
Max Uplift All uplift 100 (lb) or less at joint(s) 4 except 5=-198 (LC 23), 6=-109 (LC 14)
Max Grav All reactions 250 (lb) or less at joint(s) 1, 4, 5 except 6=347 (LC 23)

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 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-4 to 3-0-4, Exterior(2R) 3-0-4 to 3-9-10, Exterior(2E) 3-9-10 to 4-7-2 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 6=108, 5=197.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	V05	Valley	1	1	Job Reference (optional)



Scale = 1:23.8

Loading	(psf)	Spacing	2'	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
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.14	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.04	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 20 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-1-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

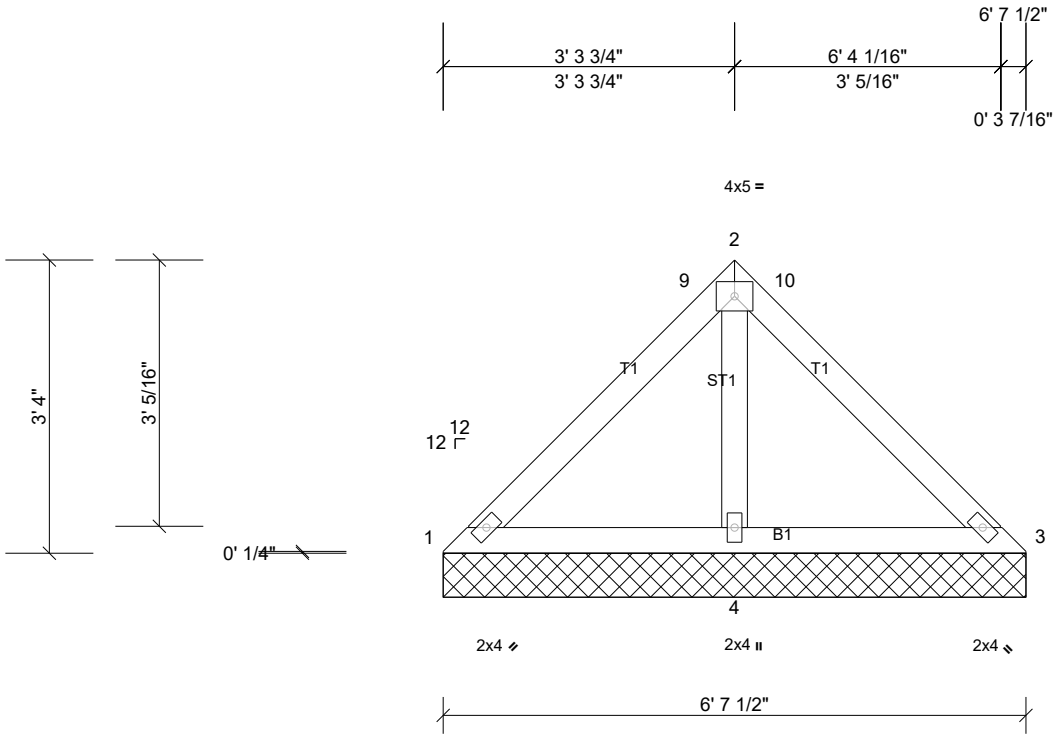
REACTIONS (lb/size) 1=52/5' 1 13/16", (min. 0' 1 1/2"), 3=52/5' 1 13/16", (min. 0' 1 1/2"), 4=308/5' 1 13/16", (min. 0' 1 1/2")
Max Horiz 1=56 (LC 11)
Max Uplift 4=-50 (LC 14)
Max Grav 1=96 (LC 20), 3=96 (LC 21), 4=324 (LC 20)

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 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 50 lb uplift at joint 4.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	V06	Valley	1	1	Job Reference (optional)



Scale = 1:26.2

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.22	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.24	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 26 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-7-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

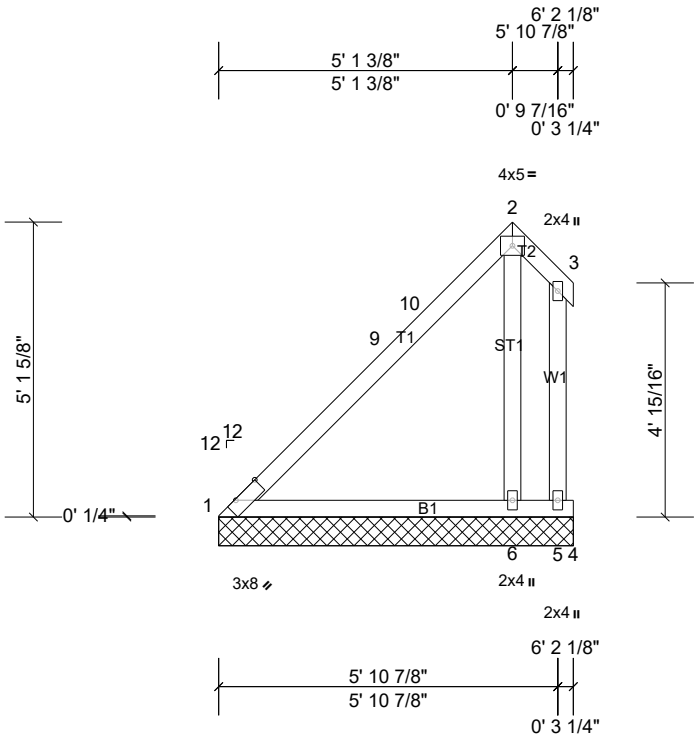
REACTIONS (lb/size) 1=47/6' 7 1/2", (min. 0' 1 1/2"), 3=47/6' 7 1/2", (min. 0' 1 1/2"), 4=435/6' 7 1/2", (min. 0' 1 1/2")
Max Horiz 1=-73 (LC 10)
Max Uplift 1=-6 (LC 21), 3=-6 (LC 20), 4=-82 (LC 14)
Max Grav 1=109 (LC 20), 3=109 (LC 21), 4=471 (LC 20)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-325/200

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-4 to 3-0-4, Exterior(2R) 3-0-4 to 3-7-12, Exterior(2E) 3-7-12 to 6-7-12 zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 6 lb uplift at joint 1, 6 lb uplift at joint 3 and 82 lb uplift at joint 4.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	V06A	Valley	1	1	Job Reference (optional)



Scale = 1:40.1

Plate Offsets (X, Y): [1:0' 5 13/16",Edge]

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.41	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.43	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.07	Horiz(TL)	0.01	4	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 34 lb	FT = 20%

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

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

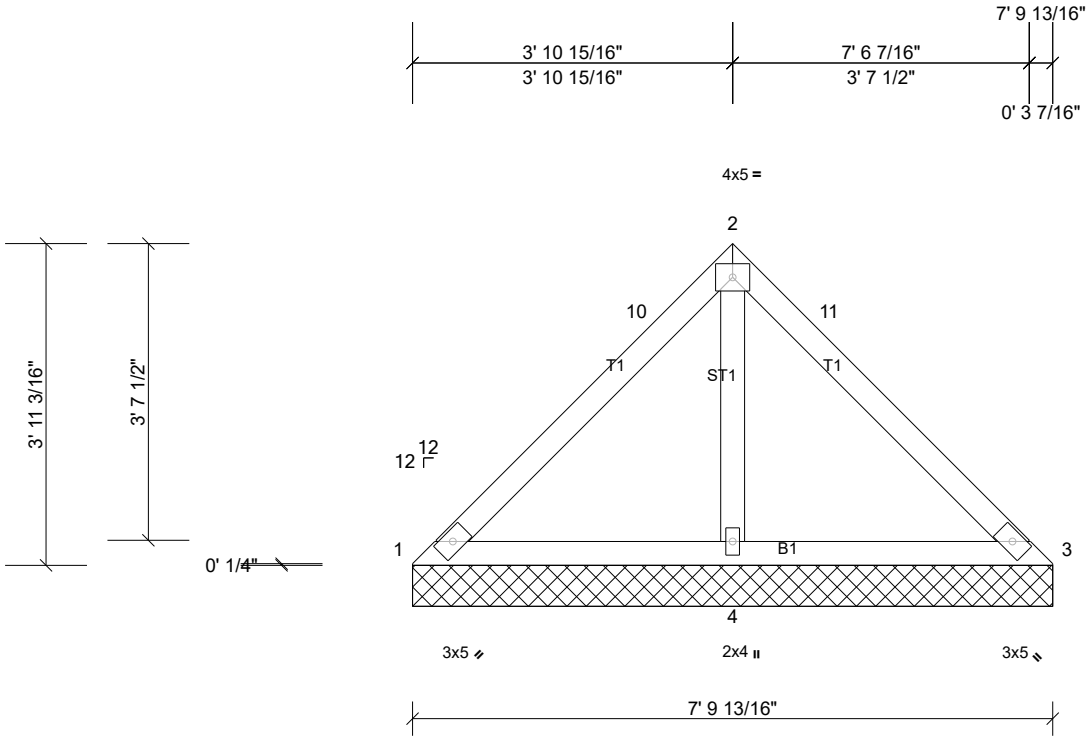
REACTIONS All bearings 6' 2 1/8".
(lb) - Max Horiz 1=164 (LC 14)
Max Uplift All uplift 100 (lb) or less at joint(s) 4 except 5=-388 (LC 23), 6=-173 (LC 14)
Max Grav All reactions 250 (lb) or less at joint(s) 1, 4, 5 except 6=520 (LC 23)

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 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-4 to 3-0-4, Exterior(2R) 3-0-4 to 5-1-10, Exterior(2E) 5-1-10 to 5-11-2 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 6=173, 5=388.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	V07	Valley	1	1	Job Reference (optional)



Scale = 1:28.1

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.35	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.34	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.19	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 32 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 7-9-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

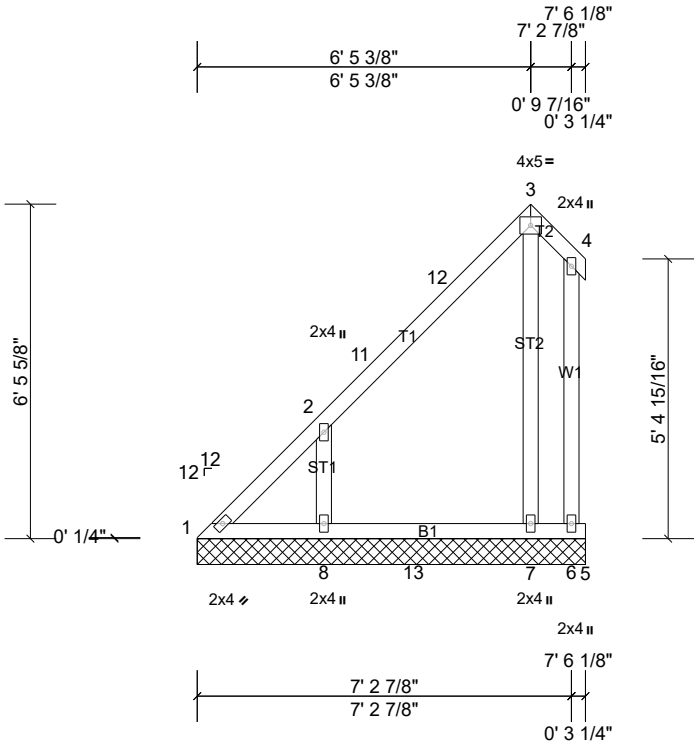
REACTIONS All bearings 7' 9 13/16".
(lb) - Max Horiz 1=-87 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 3, 4, 9 except 1=-119 (LC 21)
Max Grav All reactions 250 (lb) or less at joint(s) 1, 3, 9 except 4=775 (LC 21)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-85/313, 2-10=-35/334, 2-11=-35/396, 3-11=-55/313
WEBS 2-4=-635/177

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-4 to 3-0-4, Exterior(2R) 3-0-4 to 4-10-1, Exterior(2E) 4-10-1 to 7-10-1 zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4, 3 except (jt=lb) 1=118.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	V07A	Valley	1	1	Job Reference (optional)



Scale = 1:44.6

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.14	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.12	Horiz(TL)	0.00	5	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 46 lb	FT = 20%

LUMBER

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

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

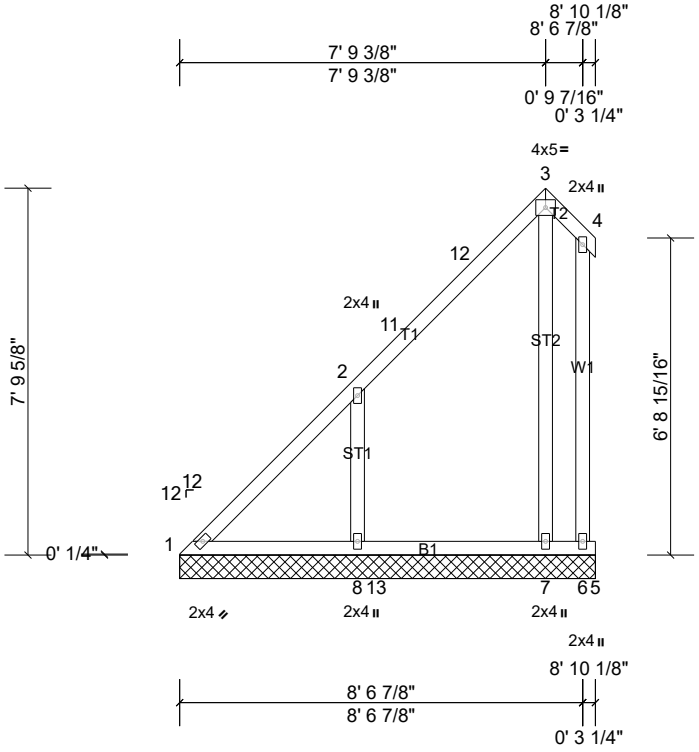
REACTIONS All bearings 7' 6 1/8".
(lb) - Max Horiz 1=213 (LC 14)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 7 except 6=-176 (LC 22), 8=-193 (LC 14)
Max Grav All reactions 250 (lb) or less at joint(s) 1, 5, 6 except 7=352 (LC 23), 8=426 (LC 23)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-415/228
WEBS 2-8=-322/414

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-4 to 3-0-4, Interior (1) 3-0-4 to 3-5-10, Exterior(2R) 3-5-10 to 6-5-10, Exterior(2E) 6-5-10 to 7-3-2 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7 except (jt=lb) 8=193, 6=175.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	V08	Valley	1	1	Job Reference (optional)



Scale = 1:49

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.25	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.16	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.14	Horiz(TL)	0.00	5	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 57 lb	FT = 20%

LUMBER

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

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

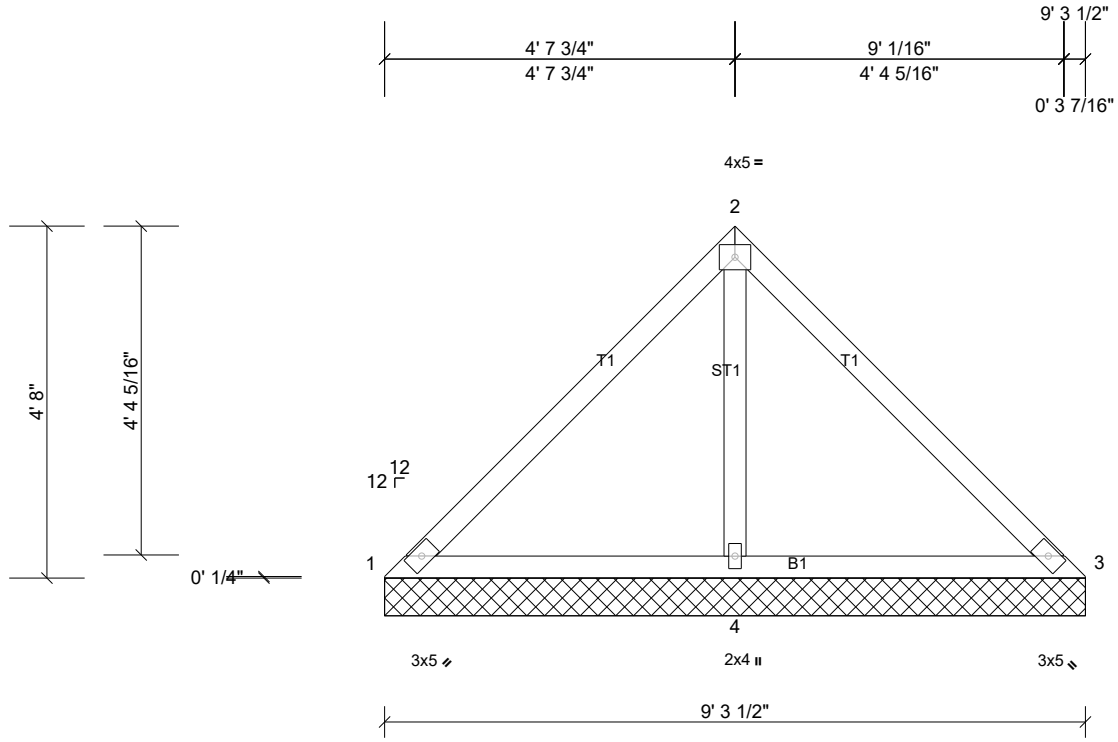
REACTIONS All bearings 8' 10 1/8".
(lb) - Max Horiz 1=262 (LC 14)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 7 except 6=-178 (LC 22), 8=-227 (LC 14)
Max Grav All reactions 250 (lb) or less at joint(s) 1, 5, 6 except 7=335 (LC 23), 8=515 (LC 23)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-398/231
WEBS 2-8=-333/385

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-4 to 3-0-4, Interior (1) 3-0-4 to 4-9-10, Exterior(2R) 4-9-10 to 7-9-10, Exterior(2E) 7-9-10 to 8-7-2 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7 except (jt=lb) 8=227, 6=178.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	V09	Valley	1	1	Job Reference (optional)



Scale = 1:30.5

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.43	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.43	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.21	Horiz(TL)	0.01	4	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 38 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 9-3-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS (lb/size) 1=40/9' 3 1/2", (min. 0' 1 1/2"), 3=40/9' 3 1/2", (min. 0' 1 1/2"), 4=663/9' 3 1/2", (min. 0' 1 1/2")
Max Horiz 1=-105 (LC 10)
Max Uplift 1=-39 (LC 21), 3=-39 (LC 20), 4=-134 (LC 14)
Max Grav 1=108 (LC 20), 3=108 (LC 21), 4=738 (LC 21)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-102/342, 2-3=-87/342
WEBS 2-4=-560/190

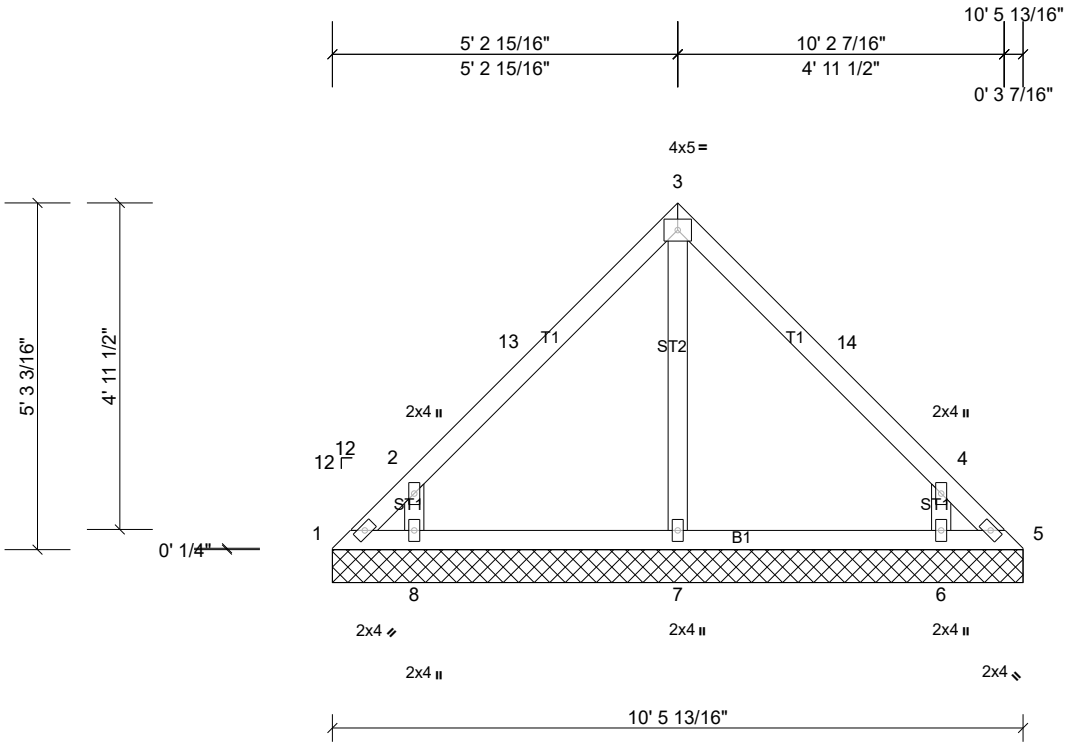
NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-4 to 3-0-4, Exterior(2R) 3-0-4 to 6-3-12, Exterior(2E) 6-3-12 to 9-3-12 zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 39 lb uplift at joint 1, 39 lb uplift at joint 3 and 134 lb uplift at joint 4.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	V10	Valley	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:07:15 — Page: 1

ID:AJnJnCagkIAjU39J0YHLnAz8hdH-7uBSFOmBbXHT1RM1eXGUY0kzTR4btG77hpxrn3z8Ksg



Scale = 1:35

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.36	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.14	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.11	Horiz(TL)	0.00	5	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 45 lb	FT = 20%

LUMBER

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

REACTIONS All bearings 10' 5 13/16".

(lb) - Max Horiz 1=-119 (LC 10)

Max Uplift All uplift 100 (lb) or less at joint(s) 1, 5 except 6=-173 (LC 15), 8=-179 (LC 14)

Max Grav All reactions 250 (lb) or less at joint(s) 1, 5, 7 except 6=487 (LC 21), 8=487 (LC 20)

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

TOP CHORD	2-13=-260/104, 4-14=-260/104
WEBS	2-8=-530/368, 4-6=-530/368

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.

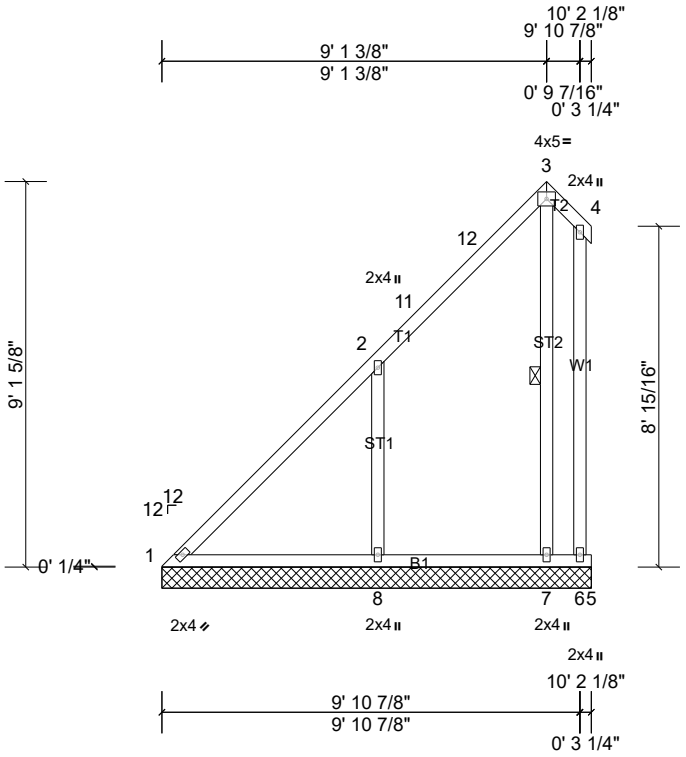
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-4 to 3-0-4, Exterior(2R) 3-0-4 to 7-6-1, Exterior(2E) 7-6-1 to 10-6-1 zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=179, 6=172.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	V10A	Valley	1	1	Job Reference (optional)



Scale = 1:54.6

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.31	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.26	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.16	Horiz(TL)	0.01	5	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 67 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
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 3-7

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

REACTIONS All bearings 10' 2 1/8".
(lb) - Max Horiz 1=311 (LC 14)
Max Uplift All uplift 100 (lb) or less at joint(s) 5, 7 except 6=-141 (LC 22), 8=-263 (LC 14)
Max Grav All reactions 250 (lb) or less at joint(s) 5, 6 except 1=257 (LC 25), 7=314 (LC 23), 8=614 (LC 23)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-400/247
WEBS 2-8=-363/374

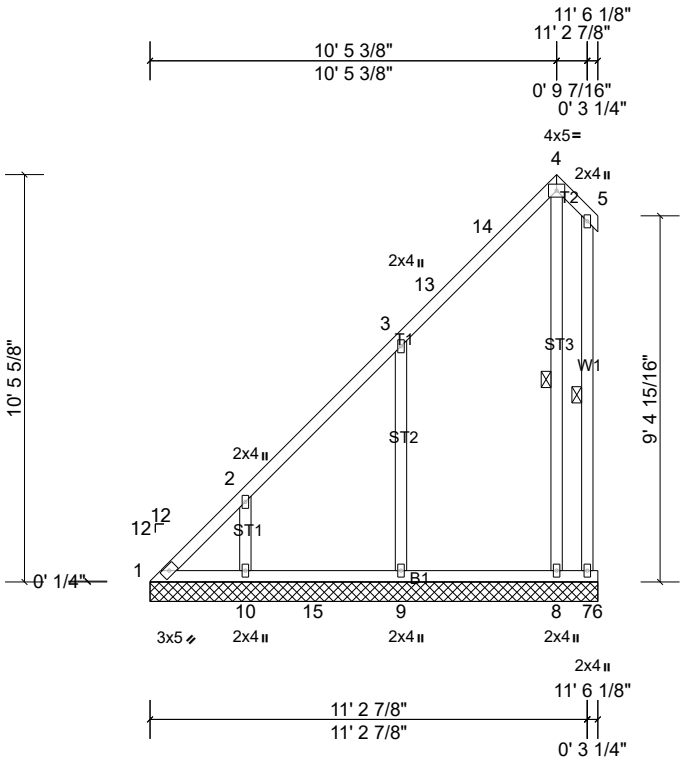
NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-4 to 3-0-4, Interior (1) 3-0-4 to 6-1-10, Exterior(2R) 6-1-10 to 9-1-10, Exterior(2E) 9-1-10 to 9-11-2 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 8=263, 6=140.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	V11	Valley	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:07:16 — Page: 1

ID:rALTw3z1oL7GtamMlHS2sZz8gax-7uBSFOmBbXHT1RM1eXGUY0k?UR49tEQ7hpxrn3z8Ksg



Scale = 1:59.2

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.23	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.17	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.22	Horiz(TL)	0.00	6	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 81 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
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 4-8, 5-7

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

REACTIONS All bearings 11' 6 1/8".

(lb) - Max Horiz 1=360 (LC 14)

Max Uplift All uplift 100 (lb) or less at joint(s) 1, 8 except 7=-182 (LC 22), 9=-226 (LC 14), 10=-136 (LC 14)

Max Grav All reactions 250 (lb) or less at joint(s) 6, 7 except 1=295 (LC 14), 8=395 (LC 23), 9=516 (LC 23), 10=366 (LC 23)

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

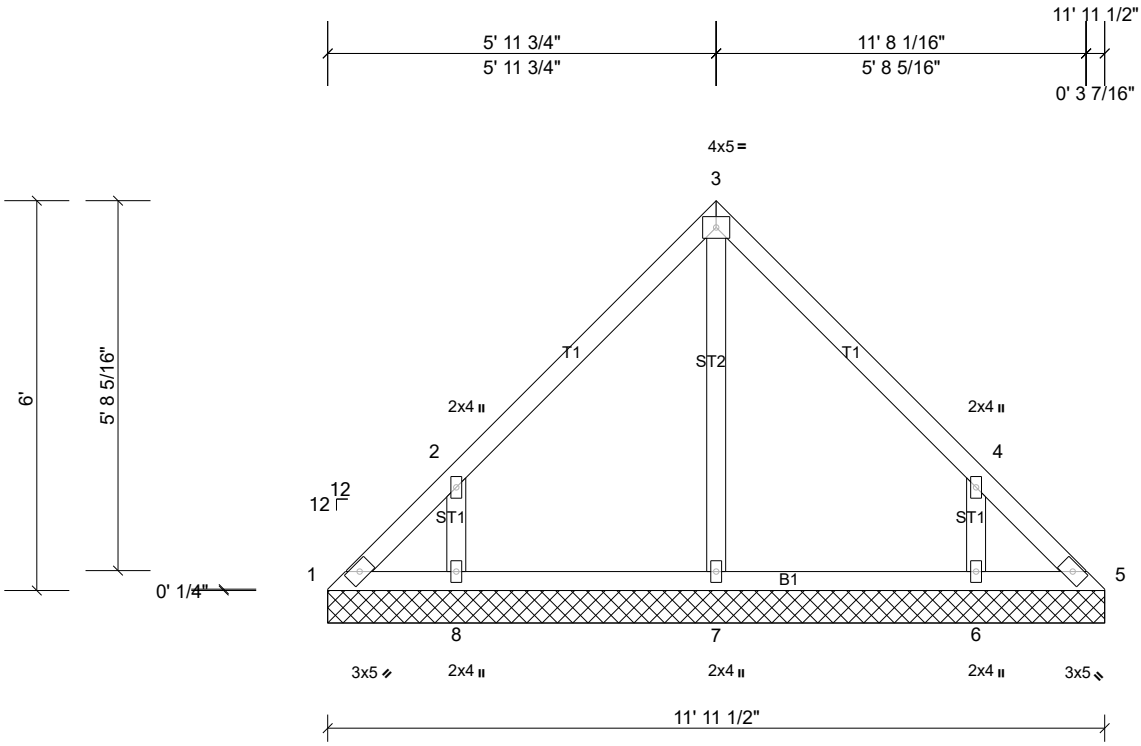
TOP CHORD	1-2=-511/314, 2-3=-356/214
WEBS	3-9=-311/322

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-4 to 3-0-4, Interior (1) 3-0-4 to 7-5-10, Exterior(2R) 7-5-10 to 10-5-10, Exterior(2E) 10-5-10 to 11-3-2 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 8 except (jt=lb) 9=226, 10=135, 7=182.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	V12	Valley	1	1	Job Reference (optional)



Scale = 1:35.5

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.12	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.10	Horiz(TL)	0.00	5	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 54 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
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.

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

REACTIONS All bearings 11' 11 1/2".
(lb) - Max Horiz 1=136 (LC 11)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 5 except 6=-172 (LC 15), 8=-177 (LC 14)
Max Grav All reactions 250 (lb) or less at joint(s) 1, 5, 7 except 6=448 (LC 21), 8=448 (LC 20)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-251/120, 3-4=-251/105
WEBS 2-8=-413/239, 4-6=-413/237

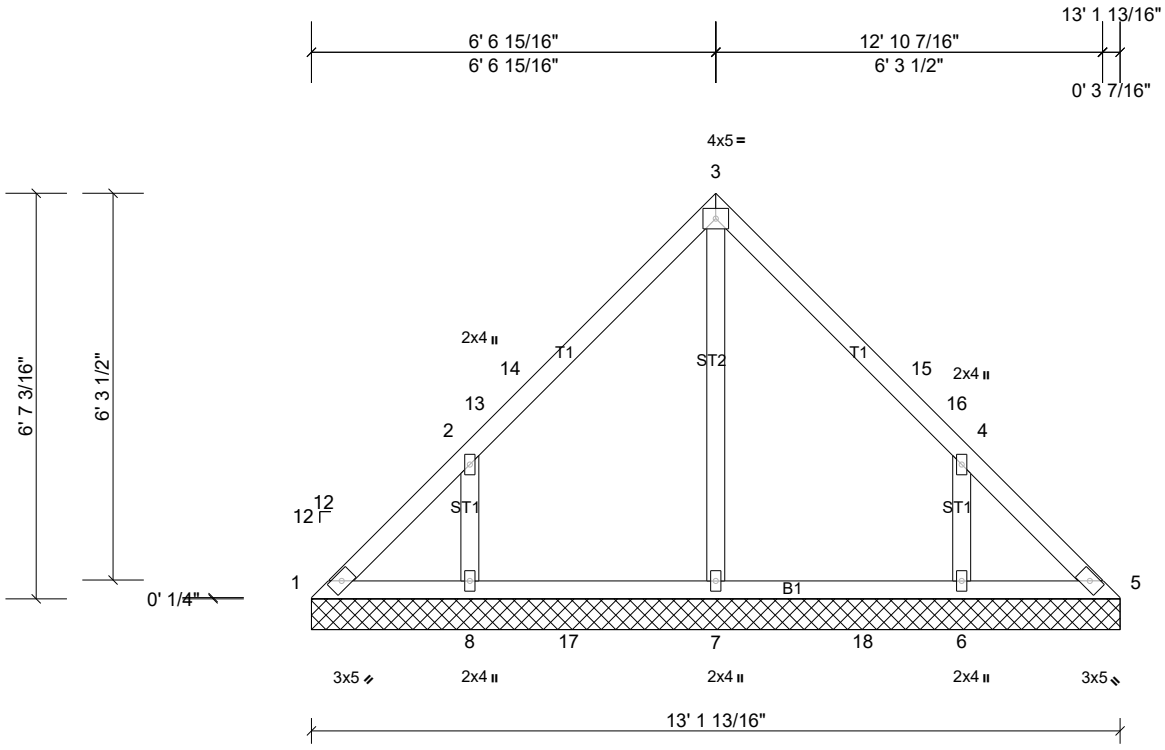
NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-4 to 3-0-4, Exterior(2R) 3-0-4 to 8-11-12, Exterior(2E) 8-11-12 to 11-11-12 zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=177, 6=171.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	V13	Valley	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:07:16 — Page: 1

ID:eWLh?YbIV3la5CkVaFoaJNz8hdG-c4kqSknpLqPKfaxDBFnj4DH8lrQOci?GvTgPJVz8Ksf



Scale = 1:37.5

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.17	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.13	Horiz(TL)	0.00	5	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 61 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
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.

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

REACTIONS All bearings 13' 1 13/16".

(lb) - Max Horiz 1=-150 (LC 10)

Max Uplift All uplift 100 (lb) or less at joint(s) 1, 5 except 6=-182 (LC 15), 8=-186 (LC 14)

Max Grav All reactions 250 (lb) or less at joint(s) 1, 5 except 6=429 (LC 21), 7=359 (LC 23), 8=429 (LC 20)

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

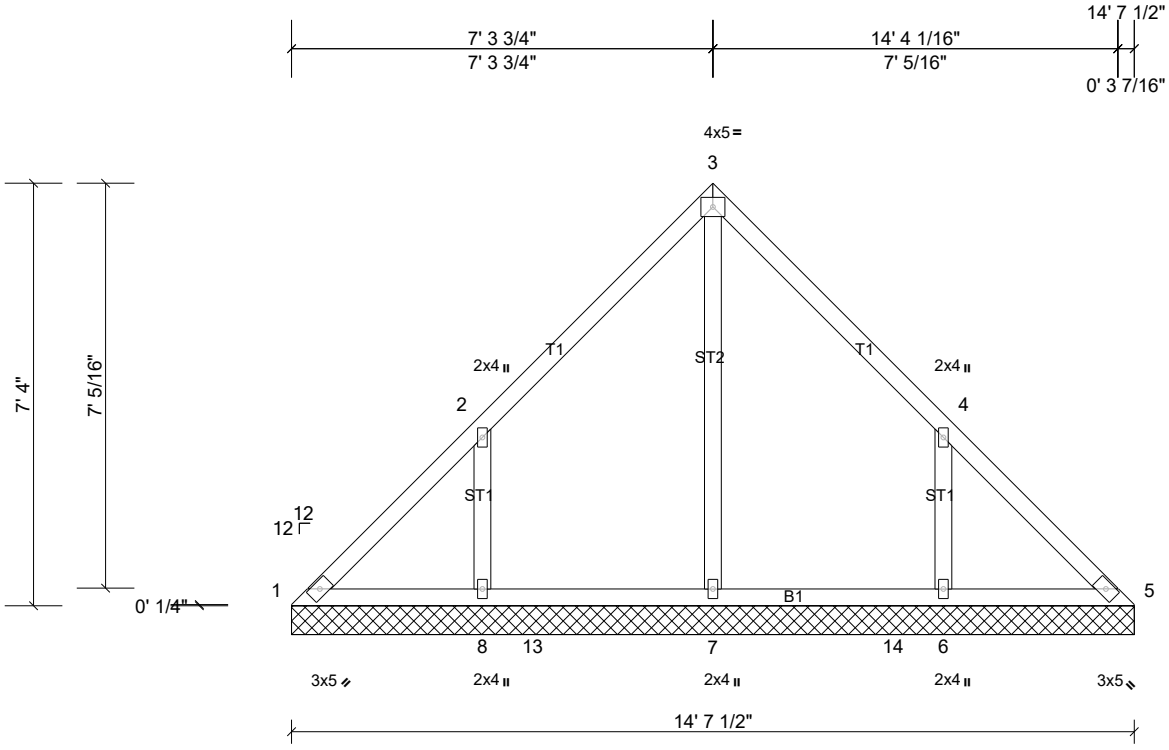
WEBS 2-8=-367/246, 4-6=-367/246

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-4 to 3-0-4, Interior (1) 3-0-4 to 3-7-3, Exterior(2R) 3-7-3 to 9-7-3, Interior (1) 9-7-3 to 10-2-1, Exterior(2E) 10-2-1 to 13-2-1 zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=186, 6=181.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	V14	Valley	1	1	Job Reference (optional)



Scale = 1:40

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.17	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.20	Horiz(TL)	0.00	5	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 69 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
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 6-0-0 oc bracing.

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

REACTIONS All bearings 14' 7 1/2".
(lb) - Max Horiz 1=-167 (LC 12)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 5 except 6=-200 (LC 15), 8=-204 (LC 14)
Max Grav All reactions 250 (lb) or less at joint(s) 1, 5 except 6=470 (LC 21), 7=405 (LC 23), 8=470 (LC 20)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-386/242, 4-6=-386/240

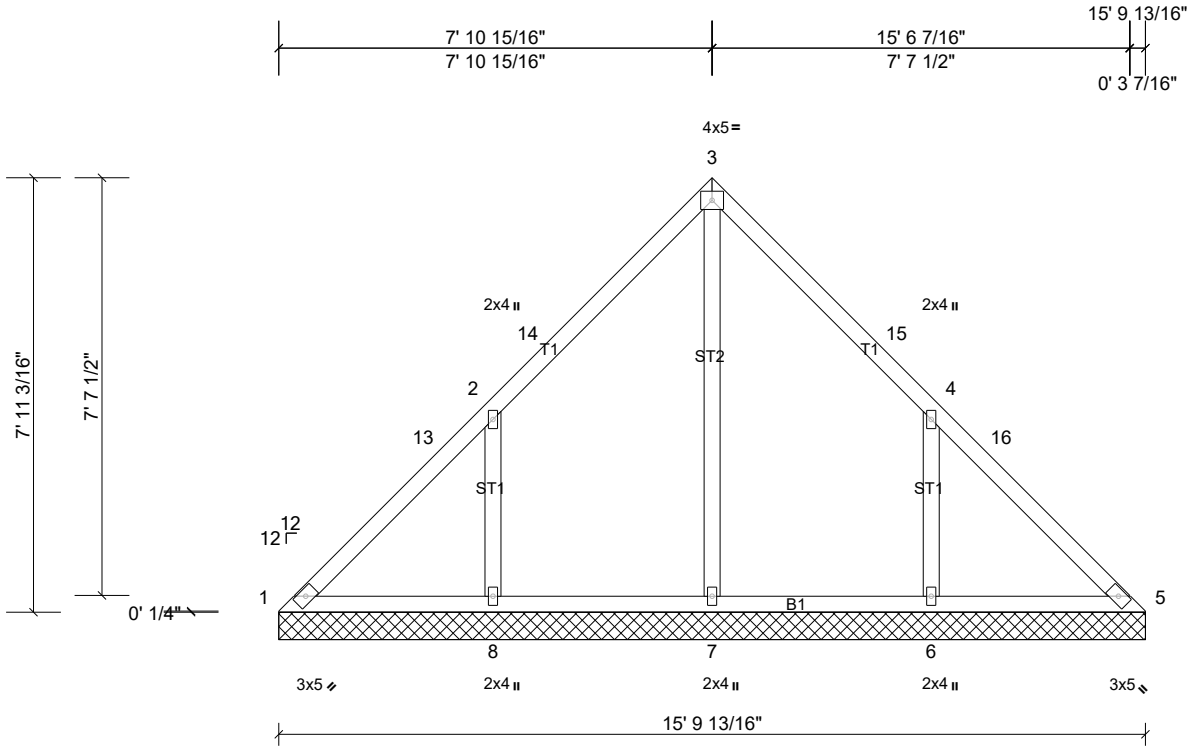
NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-4 to 3-0-4, Interior (1) 3-0-4 to 4-4-0, Exterior(2R) 4-4-0 to 10-4-0, Interior (1) 10-4-0 to 11-7-12, Exterior(2E) 11-7-12 to 14-7-12 zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 8=203, 6=199.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	2810 Norrington-Roof-Creekview
21030025-A	V15	Valley	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Apr 29 2021 Print: 8.500 S Apr 29 2021 MiTek Industries, Inc. Tue Jun 08 14:07:17 — Page: 1

ID:UaRpEeBrlRMQLKmosKSX4Rz8hvs-4HlCg4nR68XAHkWPlyIydRqJOFmfL7?Q87Qyrxz8Kse



Scale = 1:42.1

Loading	(psf)	Spacing	2'	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.17	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.28	Horiz(TL)	0.00	5	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 76 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
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 6-0-0 oc bracing.

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

REACTIONS All bearings 15' 9 13/16".

(lb) - Max Horiz 1=-181 (LC 12)

Max Uplift All uplift 100 (lb) or less at joint(s) 1 except 6=-217 (LC 15), 8=-221 (LC 14)

Max Grav All reactions 250 (lb) or less at joint(s) 1, 5 except 6=510 (LC 6), 7=446 (LC 23), 8=511 (LC 23)

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

WEBS 3-7=-252/0, 2-8=-394/255, 4-6=-394/253

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-4 to 3-0-4, Interior (1) 3-0-4 to 4-11-3, Exterior(2R) 4-11-3 to 10-11-3, Interior (1) 10-11-3 to 12-10-1, Exterior(2E) 12-10-1 to 15-10-1 zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 8=221, 6=217.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard