

Trenco
818 Soundside Rd
Edenton, NC 27932

Re: P21-08026
LOT 4 ROSSER PITTMAN

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Lingleaf Truss Company.

Pages or sheets covered by this seal: I47792676 thru I47792694

My license renewal date for the state of North Carolina is December 31, 2021.

North Carolina COA: C-0844



September 8, 2021

Sevier, Scott

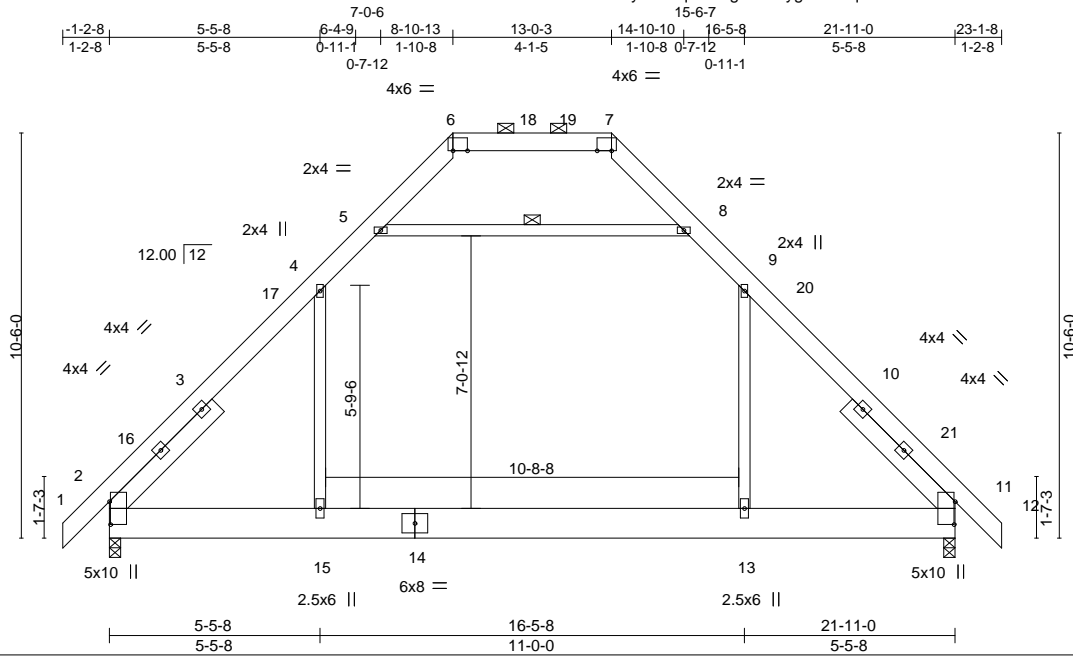
IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

Job P21-08026	Truss AT01	Truss Type Attic	Qty 7	Ply 1	LOT 4 ROSSER PITTMAN 147792676
------------------	---------------	---------------------	----------	----------	-----------------------------------

Longleaf Truss Company,

West End, NC - 27376,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Sep 7 11:40:39 2021 Page 1
ID:isAr0Dyk5w9qXf4rVgNXDAYg2bQ-2q8hhEzBe53imTKTAQ6a8WnPtt1hUR7cqQocjy1Vs



Scale = 1:59.7

Plate Offsets (X,Y)-- [2:0-7-2,0-0-5], [6:0-4-8,0-0-0], [7:0-4-8,0-0-0], [11:0-7-2,0-0-5]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.36	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 16.5/15.0	Plate Grip DOL 1.15	BC 0.26	Vert(LL) -0.10 13-15 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.97	Vert(CT) -0.15 13-15 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.01 11 n/a n/a		
BCDL 10.0	Code IRC2018/TPI2014		Attic -0.07 13-15 1926 360	Weight: 212 lb	FT = 20%

LUMBER-
 TOP CHORD 2x6 SP No.1
 BOT CHORD 2x10 SP DSS
 WEBS 2x4 SP No.3
 SLIDER Left 2x6 SP No.1 3-10-9, Right 2x6 SP No.1 3-10-9

BRACING-
 TOP CHORD Sheathed or 5-10-10 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.
 WEBS 1 Row at midpt 5-8

REACTIONS. (size) 2=0-3-8, 11=0-3-8
 Max Horz 2=220(LC 11)
 Max Grav 2=1395(LC 44), 11=1395(LC 46)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-1766/0, 4-5=-957/29, 5-6=-288/54, 7-8=-288/54, 8-9=-957/29, 9-11=-1765/0
 BOT CHORD 2-15=0/1045, 13-15=0/1046, 11-13=0/1044
 WEBS 4-15=0/787, 5-8=-1056/21, 9-13=0/787

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=15.0 psf; Pf=16.5 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 11.6 psf on overhangs non-concurrent with other live loads.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Ceiling dead load (5.0 psf) on member(s). 4-5, 8-9, 5-8; Wall dead load (5.0psf) on member(s).4-15, 9-13
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 13-15
 - 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.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - Attic room checked for L/360 deflection.



September 8, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



818 Soundside Road
 Edenton, NC 27932

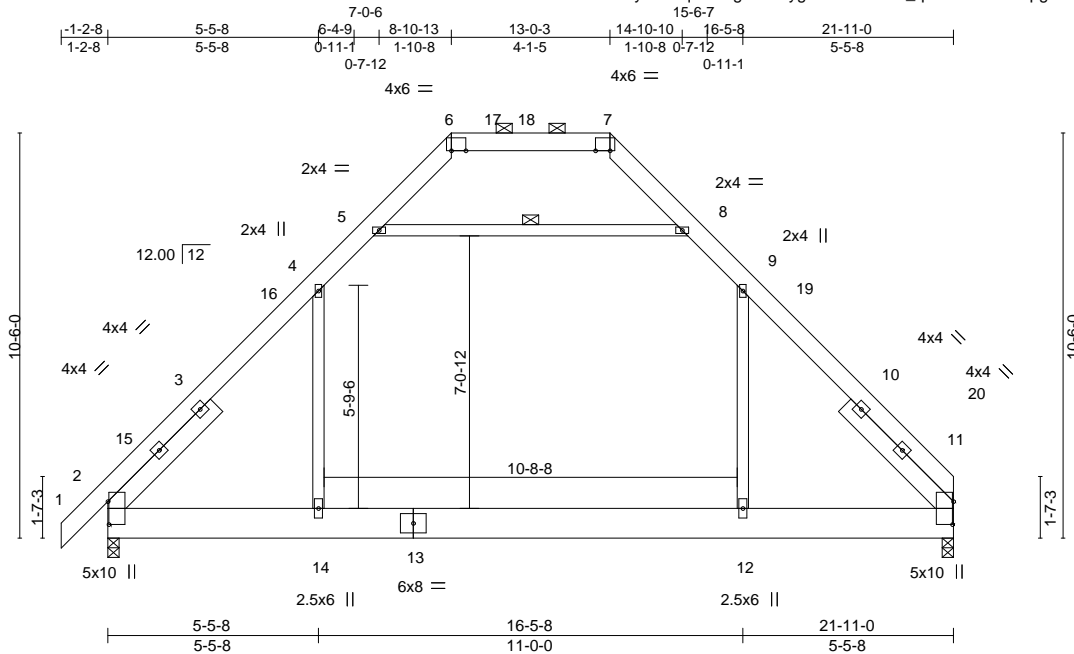
Job	Truss	Truss Type	Qty	Ply	LOT 4 ROSSER PITTMAN	147792677
P21-08026	AT02	ATTIC	3	1	Job Reference (optional)	

Longleaf Truss Company,

West End, NC - 27376,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Sep 7 11:40:40 2021 Page 1

ID:isAr0Dyk5w9qXf4rVgNXDAyg2bQ-W0h3ua_qPPBZNdvk7dpgkJaDt1GQwfHrU9M89yg1Vr



Scale = 1:59.7

Plate Offsets (X,Y)-- [2:0-7-2,0-0-5], [6:0-4-8,0-0-0], [7:0-4-8,0-0-0], [11:0-7-2,0-0-5]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.36	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 16.5/15.0	Plate Grip DOL 1.15	BC 0.26	Vert(LL) -0.10 12-14 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.97	Vert(CT) -0.15 12-14 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.01 11 n/a n/a		
BCDL 10.0	Code IRC2018/TPI2014		Attic -0.07 12-14 1923 360	Weight: 208 lb	FT = 20%

LUMBER-
 TOP CHORD 2x6 SP No.1
 BOT CHORD 2x10 SP DSS
 WEBS 2x4 SP No.3
 SLIDER Left 2x6 SP No.1 3-10-9, Right 2x6 SP No.1 3-10-9

BRACING-
 TOP CHORD Sheathed or 5-10-8 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.
 WEBS 1 Row at midpt 5-8

REACTIONS. (size) 11=0-3-8, 2=0-3-8
 Max Horz 2=217(LC 11)
 Max Grav 11=1341(LC 46), 2=1396(LC 44)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-1770/0, 4-5=-958/30, 5-6=-288/53, 7-8=-288/62, 8-9=-958/31, 9-11=-1762/0
 BOT CHORD 2-14=0/1043, 12-14=0/1045, 11-12=0/1043
 WEBS 4-14=0/788, 5-8=-1062/25, 9-12=0/783

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=15.0 psf; Pf=16.5 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 11.6 psf on overhangs non-concurrent with other live loads.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Ceiling dead load (5.0 psf) on member(s). 4-5, 8-9, 5-8; Wall dead load (5.0psf) on member(s).4-14, 9-12
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 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.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - Attic room checked for L/360 deflection.



September 8, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



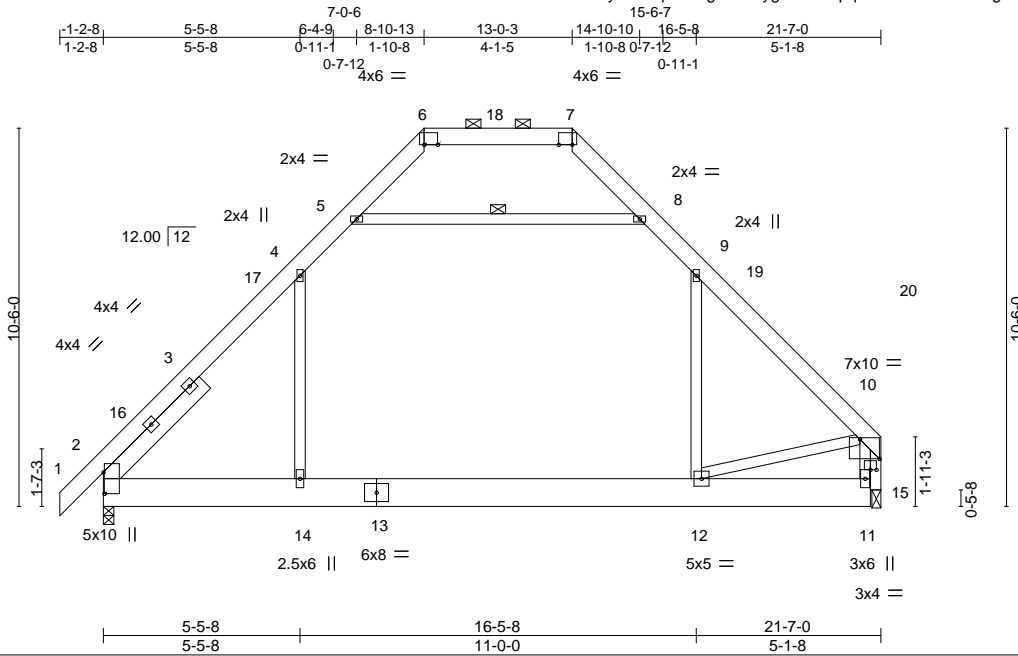
818 Soundside Road
 Edenton, NC 27932

Job P21-08026	Truss AT03	Truss Type Attic	Qty 2	Ply 1	LOT 4 ROSSER PITTMAN Job Reference (optional)	147792678
------------------	---------------	---------------------	----------	----------	--	-----------

Longleaf Truss Company,

West End, NC - 27376,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Sep 7 11:40:42 2021 Page 1
ID:isAr0Dyk5w9qXf4rVgNXDAYg2bQ-TPpqJG04x0RHdx32rYgHI9Pv9hklurNZJoeSD2yg1Vp



Scale: 3/16"=1'

Plate Offsets (X, Y)-- [2:0-7-2,0-0-5], [6:0-4-8,0-0-0], [7:0-4-8,0-0-0], [10:0-6-8,Edge], [11:0-2-0,0-0-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.40	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 16.5/15.0	Plate Grip DOL 1.15	BC 0.26	Vert(LL) -0.10 12-14 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.96	Vert(CT) -0.15 12-14 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.01 15 n/a n/a		
BCDL 10.0	Code IRC2018/TPI2014		Attic -0.07 12-14 1931 360	Weight: 206 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x10 SP DSS
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3
SLIDER Left 2x6 SP No.1 3-10-9

BRACING-
TOP CHORD Sheathed or 5-11-1 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.
WEBS 1 Row at midpt 5-8

REACTIONS. (size) 2=0-3-8, 15=0-3-0
Max Horz 2=202(LC 10)
Max Grav 2=1368(LC 44), 15=1318(LC 46)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1701/0, 4-5=-921/30, 5-6=-282/66, 7-8=-289/66, 8-9=-939/29, 9-10=-1555/0
BOT CHORD 2-14=0/995, 12-14=0/997, 11-12=0/364
WEBS 4-14=0/762, 5-8=-1032/18, 9-12=-17/626, 10-12=0/699, 10-15=-1351/0

- 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=12ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right 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); Pg=15.0 psf; Pf=16.5 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
 - 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 11.6 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 9) Ceiling dead load (5.0 psf) on member(s). 4-5, 8-9, 5-8; Wall dead load (5.0psf) on member(s).4-14, 9-12
 - 10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 12-14
 - 11) 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.
 - 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) Attic room checked for L/360 deflection.



September 8, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



818 Soundside Road
Edenton, NC 27932

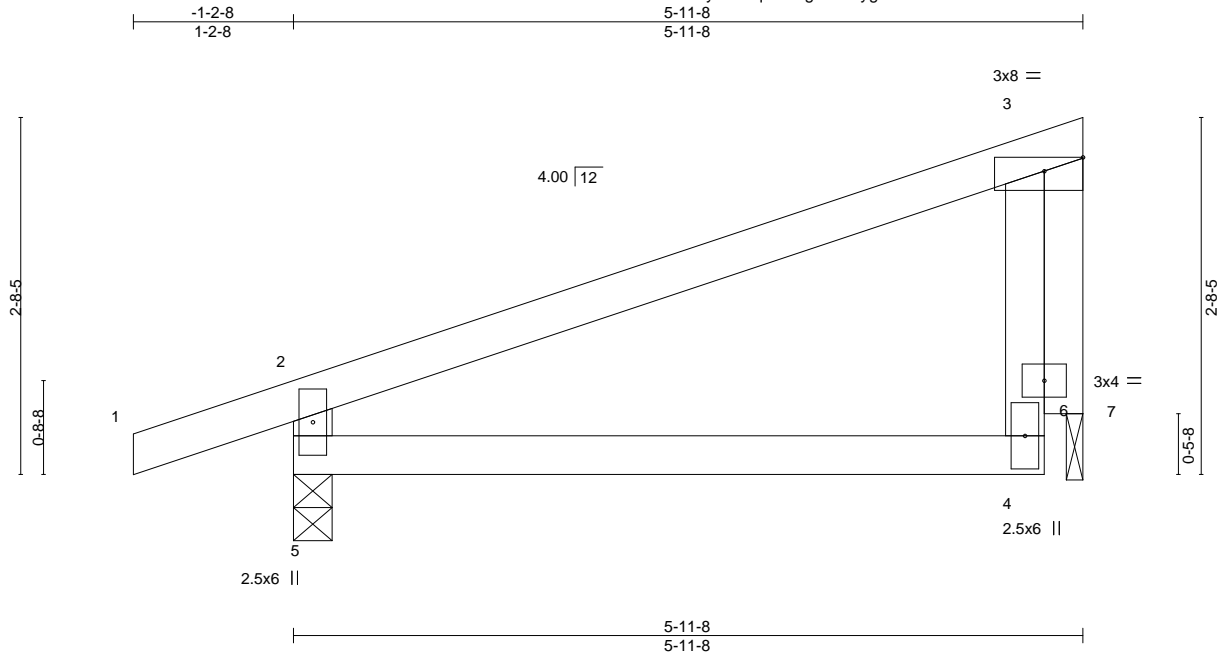
Job P21-08026	Truss M01	Truss Type Monopitch	Qty 11	Ply 1	LOT 4 ROSSER PITTMAN Job Reference (optional)	147792679
------------------	--------------	-------------------------	-----------	----------	--	-----------

Longleaf Truss Company,

West End, NC - 27376,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Sep 7 11:40:43 2021 Page 1

ID:isAr0Dyk5w9qXf4rVgNXDAyg2bQ-xbNCXb0iiKZ8E5eEPGBWIMx4Q45YdROjXSO0Uyg1Vo
5-11-8
5-11-8



Scale = 1:17.4

Plate Offsets (X, Y)-- [3:Edge,0-1-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.37	in (loc) l/def L/d	MT20	244/190
Snow (Pf/Pg) 11.6/15.0	Plate Grip DOL 1.15	BC 0.16	Vert(LL) -0.02 4-5 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.33	Vert(CT) -0.03 4-5 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-R	Horz(CT) 0.00 7 n/a n/a		
BCDL 10.0	Code IRC2018/TPI2014			Weight: 26 lb	FT = 20%

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

BRACING-
TOP CHORD Sheathed or 5-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-3-8, 7=0-1-8
Max Horz 5=62(LC 12)
Max Uplift 5=-26(LC 12), 7=-7(LC 12)
Max Grav 5=320(LC 2), 7=203(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-277/61

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed; end vertical 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); Pg=15.0 psf; Pf=11.6 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; 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 11.6 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Bearing at joint(s) 7 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) 7.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 7.
- 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.



September 8, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ENGINEERING BY
TRENCO
A MiTek Affiliate

818 Soundside Road
Edenton, NC 27932

Job P21-08026	Truss PB01	Truss Type Piggyback	Qty 12	Ply 1	LOT 4 ROSSER PITTMAN 147792680
------------------	---------------	-------------------------	-----------	----------	-----------------------------------

Longleaf Truss Company,

West End, NC - 27376,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Sep 7 11:40:44 2021 Page 1
ID:isAr0Dyk5w9qXf4rVgNXDAYg2bQ-Poxakx1KTeH?sEDQzzilqaUKTUTyMzgsm67ZHwyg1Vn

Job Reference (optional)

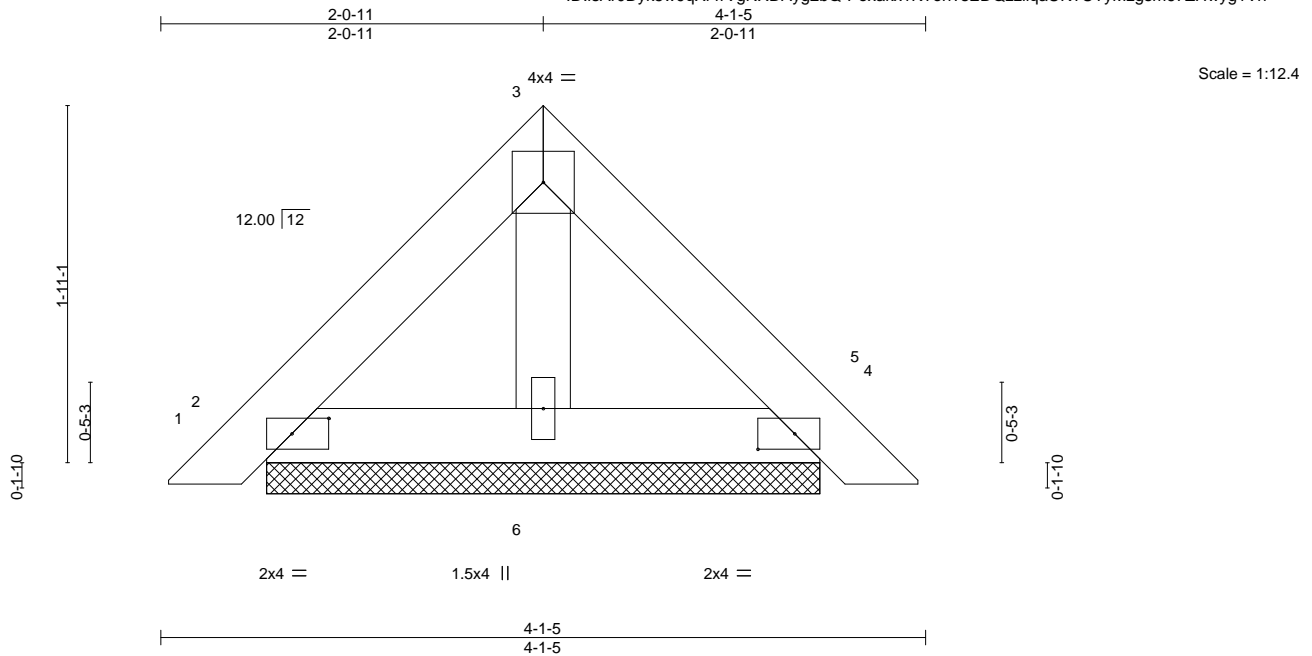


Plate Offsets (X,Y)-- [2:0-2-6,0-1-0], [4:0-2-6,0-1-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	Plate Grip DOL 1.15	TC 0.03	Vert(LL) 0.00	4	n/r	120	MT20	244/190
Snow (Pf/Pg) 11.6/15.0	Lumber DOL 1.15	BC 0.02	Vert(CT) 0.00	4	n/r	120		
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-P						
BCDL 10.0							Weight: 15 lb	FT = 20%

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

BRACING-
TOP CHORD Sheathed or 4-1-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=2-11-11, 4=2-11-11, 6=2-11-11
Max Horz 2=39(LC 11)
Max Uplift 2=-19(LC 12), 4=-19(LC 12)
Max Grav 2=95(LC 17), 4=95(LC 18), 6=91(LC 7)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=15.0 psf; Pf=11.6 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 11.6 psf on overhangs non-concurrent with other live loads.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
- 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.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



September 8, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ENGINEERING BY
TRENCO
A MiTek Affiliate

818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LOT 4 ROSSER PITTMAN	147792681
P21-08026	T01	Common	4	1	Job Reference (optional)	

Longleaf Truss Company, West End, NC - 27376,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Sep 7 11:40:45 2021 Page 1

ID:isAr0Dyk5w9qXf4rVgNXDAyg2bQ-t_VyyH2yExpsUoodWgD_Nn1MTukz5PG0?mt7qNyg1Vm
15-1-0 16-3-8
7-6-8 1-2-8

Scale = 1:28.1

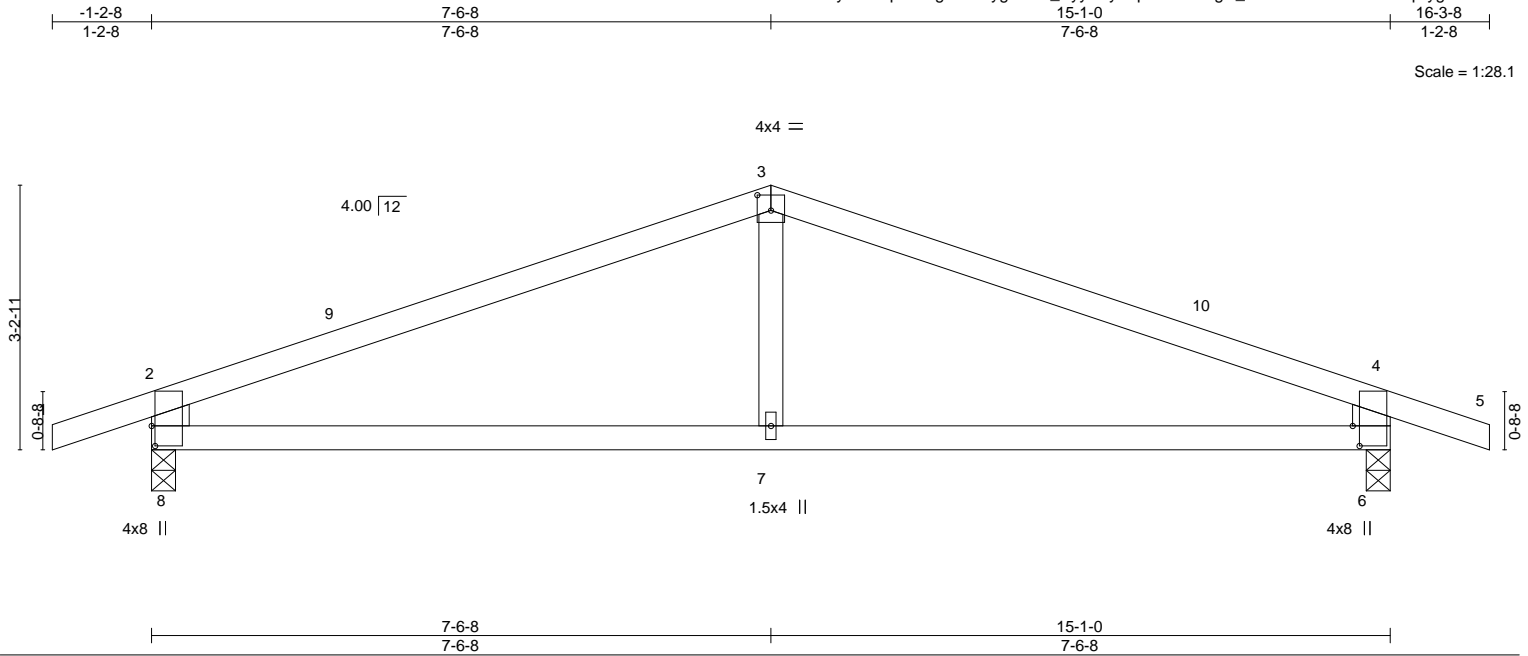


Plate Offsets (X, Y)--	[3:0-2-0,0-2-4], [6:0-2-15,0-1-0], [8:0-2-15,0-0-8]				
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	Plate Grip DOL 1.15	TC 0.59	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 11.6/15.0	Lumber DOL 1.15	BC 0.35	Vert(LL) -0.06 7-8 >999 240		
TCDL 10.0	Rep Stress Incr YES	WB 0.12	Vert(CT) -0.13 7-8 >999 180		
BCLL 0.0 *	Code IRC2018/TPI2014	Matrix-R	Horz(CT) 0.02 6 n/a n/a		
BCDL 10.0				Weight: 55 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1	TOP CHORD Sheathed or 5-9-15 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x6 SP No.1 *Except* 3-7: 2x4 SP No.3	

REACTIONS.	(size) 8=0-3-8, 6=0-3-8
	Max Horz 8=46(LC 11)
	Max Uplift 8=-35(LC 12), 6=-35(LC 12)
	Max Grav 8=671(LC 2), 6=671(LC 2)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-899/9, 3-4=-899/0, 2-8=-599/78, 4-6=-599/78
BOT CHORD	7-8=0/777, 6-7=0/777
WEBS	3-7=0/305

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=15.0 psf; Pf=11.6 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 11.6 psf on overhangs non-concurrent with other live loads.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 6.
 - 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.



September 8, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

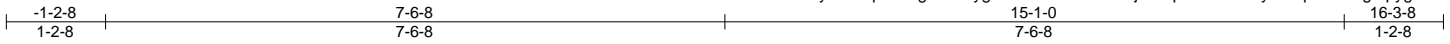
ENGINEERING BY
TRENCO
A MiTek Affiliate

818 Soundside Road
Edenton, NC 27932

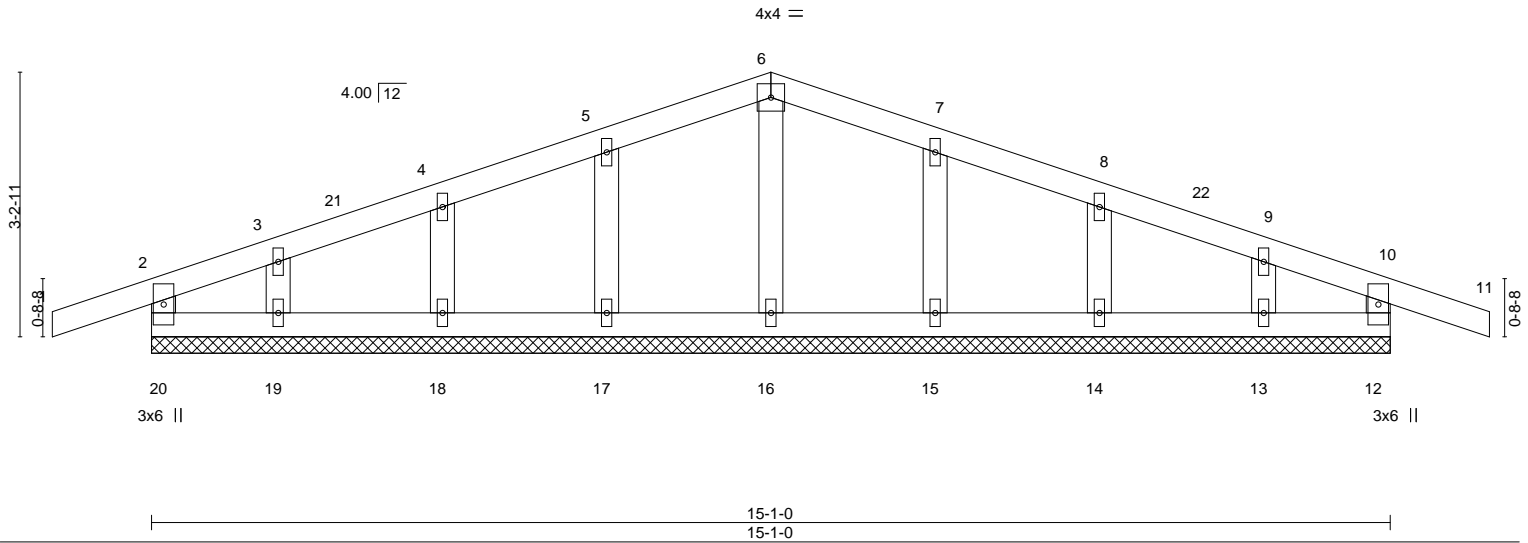
Job P21-08026	Truss T01GE	Truss Type Common Supported Gable	Qty 1	Ply 1	LOT 4 ROSSER PITTMAN Job Reference (optional)	147792682
------------------	----------------	--------------------------------------	----------	----------	--	-----------

Longleaf Truss Company, West End, NC - 27376,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Sep 7 11:40:46 2021 Page 1
ID:isAr0Dyk5w9qXf4rVgNXDAyg2bQ-LA3K9d3a?Fvj5Ymp4OkDw?ZfyI9Mqts9DQcgMpyg1VI



Scale = 1:28.1



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.09	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 11.6/15.0	Plate Grip DOL 1.15	BC 0.02	Vert(LL) -0.00 11 n/r 120		
TCDL 10.0	Lumber DOL 1.15	WB 0.03	Vert(CT) -0.01 11 n/r 120		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-R	Horz(CT) 0.00 12 n/a n/a		
BCDL 10.0	Code IRC2018/TPI2014			Weight: 67 lb	FT = 20%

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

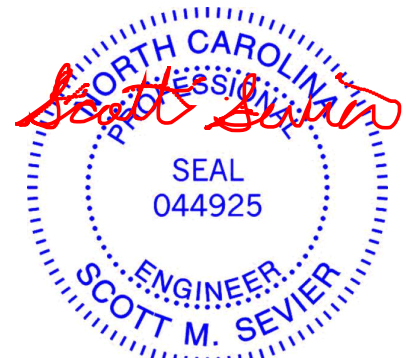
BRACING-
TOP CHORD Sheathed or 10-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 15-1-0.
(lb) - Max Horz 20=45(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 20, 12, 17, 18, 15, 14
Max Grav All reactions 250 lb or less at joint(s) 20, 12, 16, 17, 18, 19, 15, 14, 13

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=15.0 psf; Pf=11.6 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 11.6 psf on overhangs non-concurrent with other live loads.
- All plates are 1.5x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 20, 12, 17, 18, 15, 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.



September 8, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



818 Soundside Road
Edenton, NC 27932

Job P21-08026	Truss T02	Truss Type COMMON	Qty 2	Ply 1	LOT 4 ROSSER PITTMAN Job Reference (optional)	147792683
------------------	--------------	----------------------	----------	----------	--	-----------

Longleaf Truss Company, West End, NC - 27376,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Sep 7 11:40:47 2021 Page 1
ID:isAr0Dyk5w9qXf4rVgNXDAYg2bQ-pNdjMz3DIz3ajix?e5FSSC6jWiOpZJxIS4MDuFyg1Vk

Scale = 1:26.7

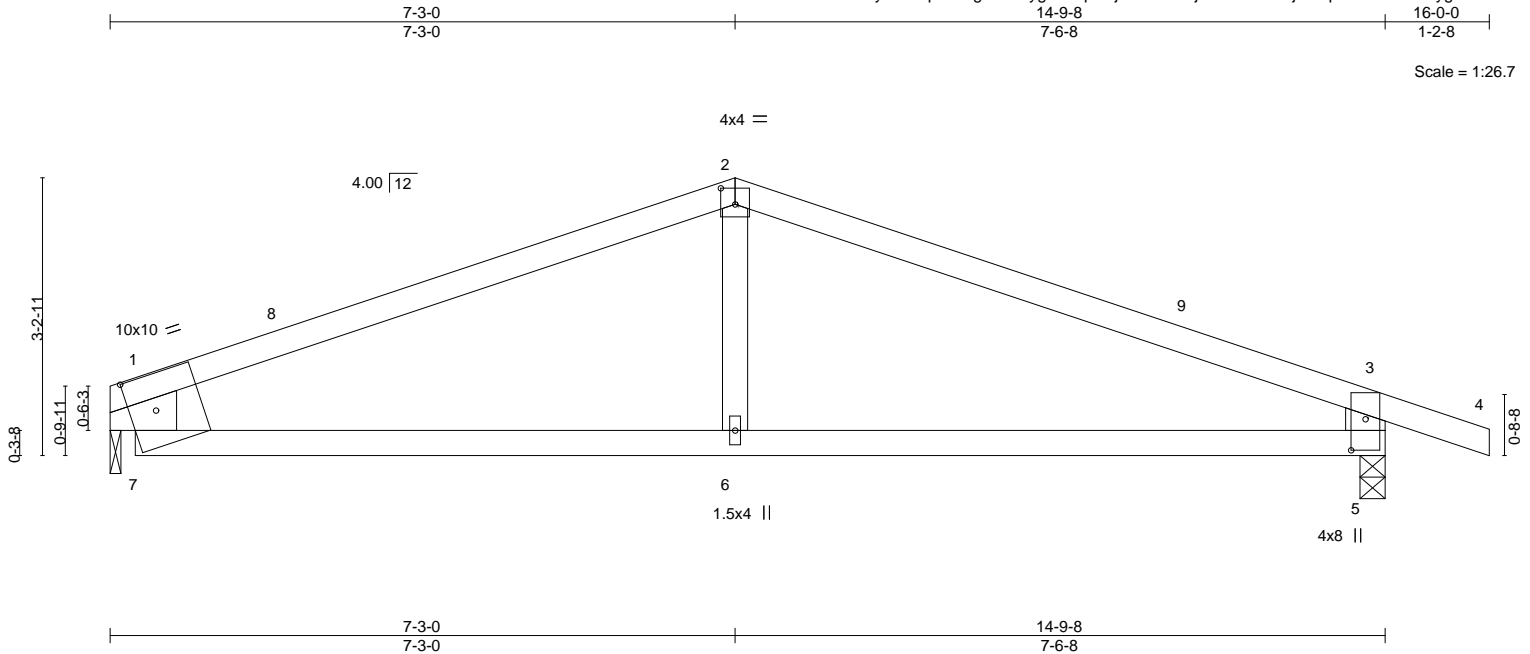


Plate Offsets (X,Y)-- [1:0-3-10,0-5-0], [2:0-2-0,0-2-4], [5:0-4-5,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.55	Vert(LL)	-0.08 5-6	>999	240	MT20	244/190
Snow (Pf/Pg)	11.6/15.0	Lumber DOL	1.15	BC	0.39	Vert(CT)	-0.17 5-6	>980	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.07 5	n/a	n/a		
BCLL	0.0 *	Code IRC2018/TPI2014		Matrix-R						Weight: 53 lb	FT = 20%
BCDL	10.0										

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3 *Except*
1-7: 2x10 SP No.1, 3-5: 2x6 SP No.1

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

REACTIONS. (size) 1=0-1-8, 5=0-3-8
Max Horz 1=-49(LC 10)
Max Uplift 5=-37(LC 12)
Max Grav 1=563(LC 2), 5=658(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-837/17, 2-3=-843/18, 3-5=-579/81
BOT CHORD 6-7=0/724, 5-6=0/724
WEBS 2-6=0/276

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=15.0 psf; Pf=11.6 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 11.6 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 1.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5.
- 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.
- Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.



September 8, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



818 Soundside Road
Edenton, NC 27932

Job P21-08026	Truss T03GE	Truss Type GABLE	Qty 1	Ply 1	LOT 4 ROSSER PITTMAN 147792685
------------------	----------------	---------------------	----------	----------	-----------------------------------

Longleaf Truss Company, West End, NC - 27376,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Sep 7 11:40:50 2021 Page 1

ID:isAr0Dyk5w9qXf4rVgNXDAYg2bQ-Exlr??652UR8a9gaJEp94qkA4vQ?mXN82auVayg1Vh



Scale = 1:69.8

Plate Offsets (X, Y)--	[2:0-1-4,0-1-12], [3:0-2-0,0-2-4], [4:0-1-12,0-1-8], [6:0-2-0,0-0-0], [8:0-3-0,0-2-4], [9:0-3-0,0-1-12], [12:0-1-8,0-1-8], [13:0-1-12,0-3-0], [15:0-7-0,0-2-8], [16:0-2-0,0-1-0], [39:0-1-12,0-0-12], [42:0-1-12,0-0-12]
------------------------	--

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/def	L/d	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.79	Vert(LL)	-0.12 13-14	>999	240	MT20	244/190
Snow (Pf/Pg) 11.6/15.0	Plate Grip DOL 1.15	BC 0.42	Vert(CT)	-0.29 13-14	>999	180		
TCDL 10.0	Lumber DOL 1.15	WB 0.70	Horz(CT)	0.16 11	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S						
BCDL 10.0	Code IRC2018/TPI2014						Weight: 269 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1	TOP CHORD Sheathed, except end verticals.
BOT CHORD 2x4 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	
OTHERS 2x4 SP No.3	

REACTIONS. (size) 16=0-3-8, 11=0-3-8
 Max Horz 16=241(LC 11)
 Max Uplift 16=-33(LC 12), 11=-33(LC 12)
 Max Grav 16=1274(LC 2), 11=1274(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-1519/40, 4-5=-1662/41, 5-6=-1653/129, 6-7=-2137/0, 7-9=-2441/0, 2-16=-1211/68, 9-11=-1297/71
 BOT CHORD 15-16=-157/335, 14-15=0/1286, 13-14=0/1228, 12-13=0/2118, 11-12=-30/296
 WEBS 4-15=-482/15, 5-14=-293/103, 6-14=-127/487, 6-13=0/1408, 7-13=-412/141, 2-15=0/1040, 9-12=0/1692

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=30ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=15.0 psf; Pf=11.6 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 11.6 psf on overhangs non-concurrent with other live loads.
 - All plates are 1.5x4 MT20 unless otherwise indicated.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Bearing at joint(s) 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16, 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.



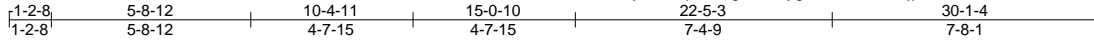
September 8, 2021

Job P21-08026	Truss T04	Truss Type ROOF SPECIAL	Qty 3	Ply 1	LOT 4 ROSSER PITTMAN Job Reference (optional)	147792686
------------------	--------------	----------------------------	----------	----------	--	-----------

Longleaf Truss Company, West End, NC - 27376,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Sep 7 11:40:51 2021 Page 1

ID:isAr0Dyk5w9qXf4rVgNXDAyg2bQ-i8sDCK7jpnZ?CJFmtxK0d2GKwJm9VzAuNiKR11yg1Vg



4x6 =

Scale = 1:66.2

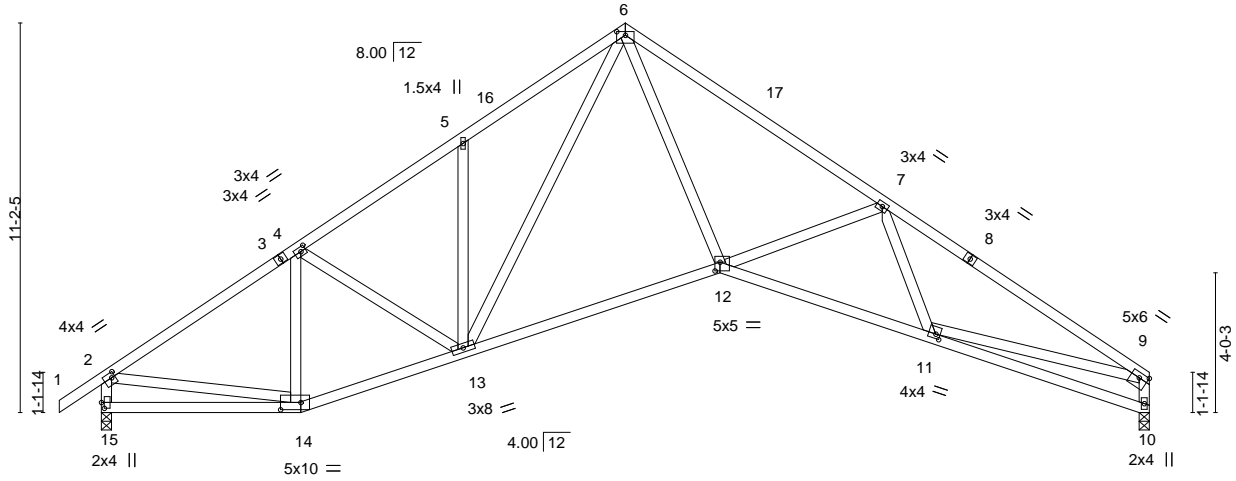


Plate Offsets (X,Y)--	[2:0-1-4,0-1-12], [4:0-1-12,0-1-8], [6:0-3-0,0-1-4], [9:Edge,0-1-12], [11:0-1-8,0-1-8], [12:0-1-12,0-3-0], [14:0-7-0,0-2-8], [15:0-2-0,0-1-0]
-----------------------	---

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.85	Vert(LL)	-0.12 12-13	>999	240	MT20	244/190
Snow (Pf/Pg)	11.6/15.0	Lumber DOL	1.15	BC	0.43	Vert(CT)	-0.30 12-13	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.73	Horz(CT)	0.16 10	n/a	n/a		
BCLL	0.0 *	Code IRC2018/TPI2014		Matrix-S						Weight: 184 lb	FT = 20%
BCDL	10.0										

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.1	TOP CHORD	Sheathed, except end verticals.
BOT CHORD	2x4 SP No.1	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3		

REACTIONS. (size) 15=0-3-8, 10=0-3-8
 Max Horz 15=235(LC 11)
 Max Uplift 15=-33(LC 12)
 Max Grav 15=1276(LC 2), 10=1191(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-1521/40, 4-5=-1665/51, 5-6=-1658/140, 6-7=-2149/0, 7-9=-2450/0, 2-15=-1213/68, 9-10=-1196/38
 BOT CHORD 14-15=-151/324, 13-14=0/1278, 12-13=0/1231, 11-12=0/2138
 WEBS 4-14=-483/27, 5-13=-294/104, 6-13=-117/487, 6-12=0/1422, 7-12=-424/141, 2-14=0/1041, 9-11=0/1763

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=30ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=15.0 psf; Pf=11.6 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 11.6 psf on overhangs non-concurrent with other live loads.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Bearing at joint(s) 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 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.



September 8, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ENGINEERING BY
TRENCO
 A MiTek Affiliate

818 Soundside Road
 Edenton, NC 27932

Job P21-08026	Truss T05	Truss Type HOWE	Qty 3	Ply 1	LOT 4 ROSSER PITTMAN 147792687
------------------	--------------	--------------------	----------	----------	-----------------------------------

Longleaf Truss Company,

West End, NC - 27376,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Sep 7 11:40:52 2021 Page 1

ID:isAr0Dyk5w9qXf4rVgNXDAyg2bQ-AKQcQg7La5hspTqzRerd9FpZ7j4rEUG2cL3_aTyg1Vf



Scale = 1:65.3

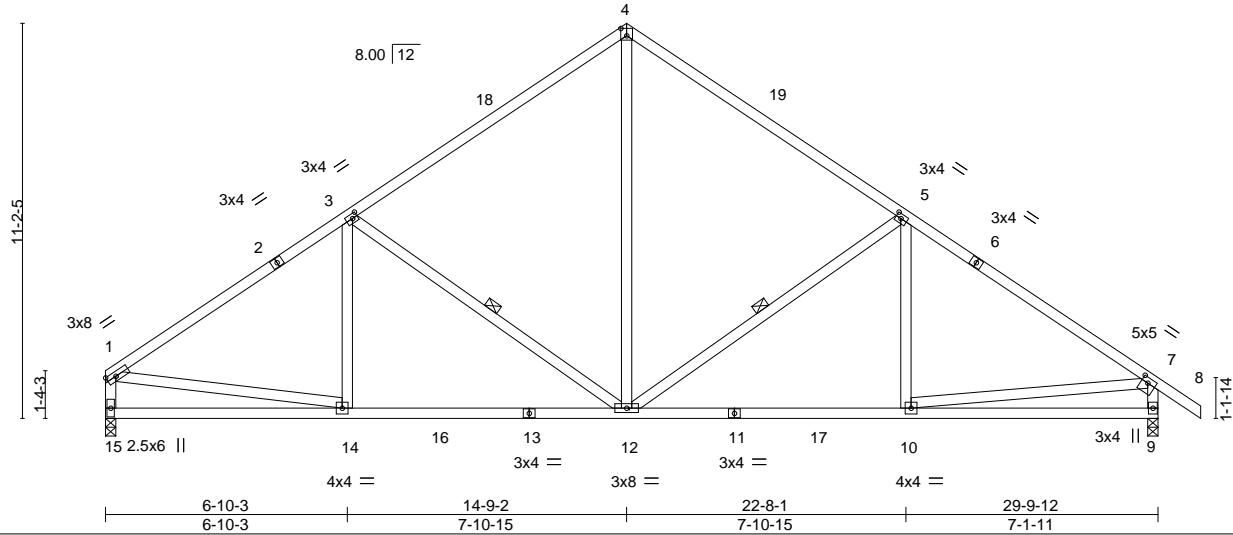


Plate Offsets (X,Y)-- [3:0-1-12,0-1-8], [4:0-2-0,0-2-8], [5:0-1-12,0-1-8], [7:0-2-4,0-1-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.62	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 11.6/15.0	Plate Grip DOL 1.15	BC 0.53	Vert(LL) -0.10 12-14 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.48	Vert(CT) -0.19 12-14 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.03 9 n/a n/a		
BCDL 10.0	Code IRC2018/TPI2014			Weight: 182 lb	FT = 20%

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

BRACING-
 TOP CHORD Sheathed or 4-5-7 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 3-12, 5-12

REACTIONS. (size) 15=0-3-8, 9=0-3-8
 Max Horz 15=-235(LC 10)
 Max Uplift 9=-33(LC 12)
 Max Grav 15=1332(LC 24), 9=1411(LC 25)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-3=-1657/44, 3-4=-1250/111, 4-5=-1249/110, 5-7=-1709/43, 1-15=-1230/33,
 7-9=-1303/69
 BOT CHORD 14-15=-168/312, 12-14=0/1458, 10-12=0/1347
 WEBS 4-12=-10/861, 3-12=-557/92, 5-12=-595/90, 7-10=0/1146, 1-14=0/1193

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=12ft; B=45ft; L=30ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right 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); Pg=15.0 psf; Pf=11.6 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; 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 11.6 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 3-6-0 tall by 2-0-0 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) 9.
- 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.



September 8, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



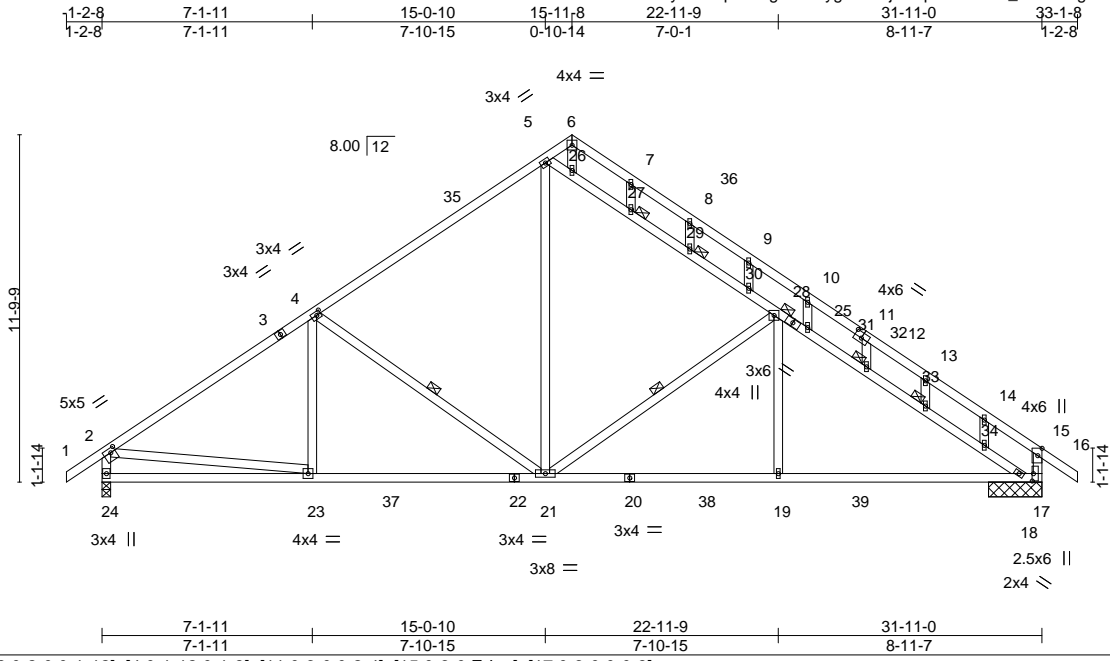
818 Soundside Road
 Edenton, NC 27932

Job P21-08026	Truss T06SGE	Truss Type HOWE	Qty 1	Ply 1	LOT 4 ROSSER PITTMAN 147792688
------------------	-----------------	--------------------	----------	----------	-----------------------------------

Longleaf Truss Company,

West End, NC - 27376,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Sep 7 11:40:54 2021 Page 1
ID:isAr0Dyk5w9qXf4rVgNXDAyq2bQ-6jYMqM9c6ixa3n_LY3u5Egur6WkiiHwK3fY5eLyg1Vd



Scale = 1:78.2

Plate Offsets (X,Y)--	[2:0-2-0,0-1-12], [4:0-1-12,0-1-8], [11:0-3-0,0-2-4], [15:0-3-0,Edge], [17:0-3-0,0-0-8]										
LOADING (psf)		SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.85	Vert(LL)	-0.12 21-23	>999	240	MT20	244/190
Snow (Pf/Pg)	11.6/15.0	Lumber DOL	1.15	BC	0.63	Vert(CT)	-0.22 21-23	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.92	Horz(CT)	0.05 17	n/a	n/a		
BCLL	0.0 *	Code IRC2018/TPI2014		Matrix-S							
BCDL	10.0									Weight: 222 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.1	TOP CHORD	Sheathed or 4-5-6 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.1	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3 *Except* 5-25: 2x4 SP No.2	WEBS	1 Row at midpt 4-21, 21-28
		JOINTS	1 Brace at Jt(s): 27, 28, 29, 32, 33

REACTIONS. (size) 24=0-3-8, 17=1-9-12, 18=1-9-12
 Max Horz 24=254(LC 11)
 Max Uplift 24=29(LC 12), 17=457(LC 32), 18=269(LC 12)
 Max Grav 24=1493(LC 24), 17=241(LC 18), 18=1781(LC 25)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-1829/38, 4-5=-1374/104, 5-6=-404/148, 6-7=-374/125, 7-8=-364/88, 8-9=-417/72,
 9-10=-358/20, 10-12=-305/0, 12-13=-352/0, 13-14=-386/0, 14-15=-457/0,
 2-24=-1385/65, 15-17=-492/0
 BOT CHORD 23-24=-159/435, 21-23=0/1599, 19-21=0/1609, 18-19=0/1609, 17-18=0/275
 WEBS 5-26=-1191/71, 26-27=-1047/0, 27-29=-1093/23, 29-30=-1098/25, 28-30=-1175/71,
 28-31=-1576/44, 31-32=-1652/90, 32-33=-1662/96, 33-34=-1683/102, 18-34=-1677/122,
 6-26=-130/311, 4-21=-571/90, 5-21=-5/964, 21-28=-752/80, 19-28=0/413, 2-23=0/1237

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed; end vertical left and right 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); Pg=15.0 psf; Pf=11.6 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; 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 11.6 psf on overhangs non-concurrent with other live loads.
 - 6) All plates are 1.5x4 MT20 unless otherwise indicated.
 - 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 24 except (jt=lb) 17=457, 18=269.
 - 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.



September 8, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ENGINEERING BY
TRENCO
 A MiTek Affiliate

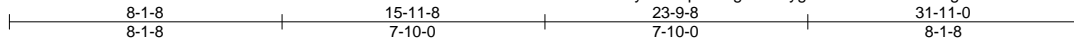
818 Soundside Road
 Edenton, NC 27932

Job P21-08026	Truss T07	Truss Type COMMON	Qty 3	Ply 1	LOT 4 ROSSER PITTMAN Job Reference (optional)	147792689
------------------	--------------	----------------------	----------	----------	--	-----------

Longleaf Truss Company,

West End, NC - 27376,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Sep 7 11:40:55 2021 Page 1
ID:isAr0Dyk5w9qXf4rVgNXDAyg2bQ-av5k2iAEt04RgxYY6nPKnuR3hw5CRrzUJIfAoyg1Vc



4x4 =

Scale = 1:68.7

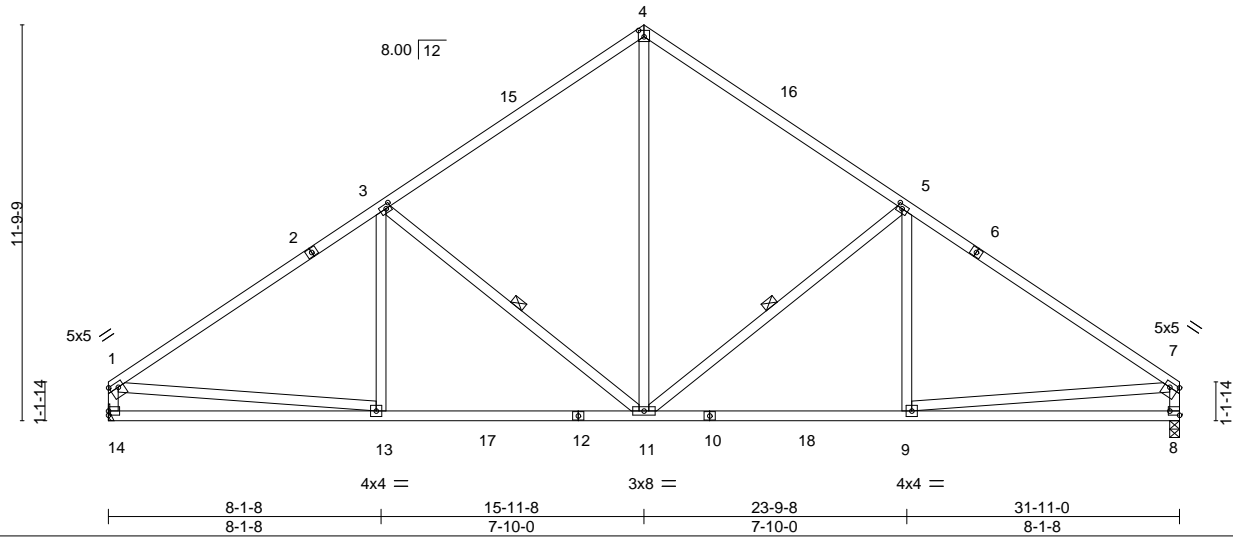


Plate Offsets (X,Y)-- [1:Edge,0-1-12], [3:0-1-12,0-1-8], [4:0-2-0,0-2-4], [5:0-1-12,0-1-8], [7:Edge,0-1-12], [8:Edge,0-1-8]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	Plate Grip DOL	1.15	TC 0.67	Vert(LL)	-0.11 11-13	>999	240	MT20	244/190
Snow (Pf/Pg) 11.6/15.0	Lumber DOL	1.15	BC 0.55	Vert(CT)	-0.20 11-13	>999	180		
TCDL 10.0	Rep Stress Incr	YES	WB 0.49	Horz(CT)	0.04 8	n/a	n/a		
BCLL 0.0 *	Code IRC2018/TPI2014		Matrix-S						
BCDL 10.0								Weight: 193 lb	FT = 20%

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

BRACING-
TOP CHORD Sheathed or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-11, 3-11

REACTIONS. (size) 14=Mechanical, 8=0-3-8
Max Horz 14=236(LC 11)
Max Grav 14=1437(LC 23), 8=1437(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-1848/47, 3-4=-1353/122, 4-5=-1353/122, 5-7=-1848/47, 1-14=-1310/42, 7-8=-1310/42
BOT CHORD 13-14=-131/455, 11-13=0/1598, 9-11=0/1453, 8-9=-15/282
WEBS 4-11=-29/994, 5-11=-658/95, 5-9=0/287, 3-11=-658/95, 3-13=0/287, 1-13=0/1215, 7-9=0/1219

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=15.0 psf; Pf=11.6 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - Unbalanced snow loads have been considered for this design.
 - All plates are 3x4 MT20 unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Refer to girder(s) for truss to truss connections.
 - 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.



September 8, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



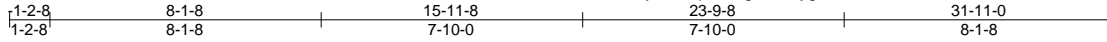
818 Soundside Road
Edenton, NC 27932

Job P21-08026	Truss T08	Truss Type COMMON	Qty 2	Ply 1	LOT 4 ROSSER PITTMAN Job Reference (optional)	147792690
------------------	--------------	----------------------	----------	----------	--	-----------

Longleaf Truss Company, West End, NC - 27376,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Sep 7 11:40:57 2021 Page 1

ID:isAr0Dyk5w9qXf4rVgNXDAyg2bQ-XIDVTOBUPdK9wEiwDCRosJWMCknhvUnIdnIFgyg1Va



4x4 =

Scale = 1:69.0

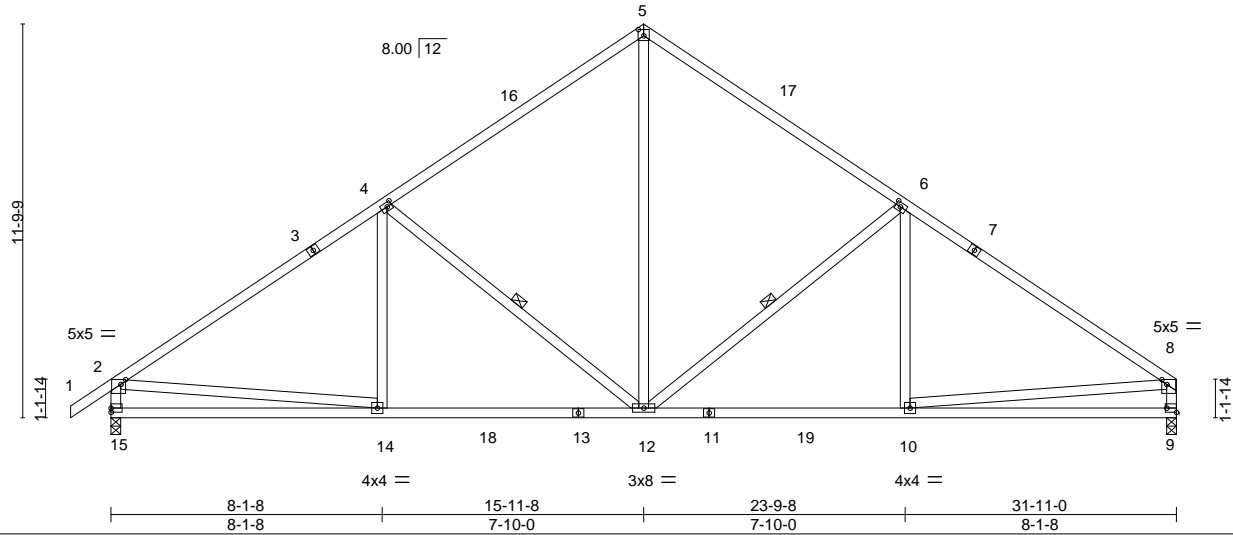


Plate Offsets (X,Y)-- [2:0-1-12,0-1-12], [4:0-1-12,0-1-8], [5:0-2-0,0-2-4], [6:0-1-12,0-1-8], [8:0-1-12,0-1-12], [9:Edge,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.86	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 11.6/15.0	Plate Grip DOL 1.15	BC 0.55	Vert(LL) -0.11 10-12 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.48	Vert(CT) -0.20 10-12 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.04 9 n/a n/a		
BCDL 10.0	Code IRC2018/TPI2014			Weight: 195 lb	FT = 20%

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

BRACING-
 TOP CHORD Sheathed or 2-2-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 6-12, 4-12

REACTIONS. (size) 15=0-3-8, 9=0-3-8
 Max Horz 15=248(LC 11)
 Max Uplift 15=-33(LC 12)
 Max Grav 15=1513(LC 24), 9=1436(LC 25)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-1846/48, 4-5=-1350/121, 5-6=-1351/122, 6-8=-1846/47, 2-15=-1387/76, 8-9=-1309/42
 BOT CHORD 14-15=-141/532, 12-14=0/1587, 10-12=0/1451, 9-10=-15/282
 WEBS 5-12=-27/988, 6-12=-658/95, 6-10=0/287, 4-12=-647/92, 4-14=0/290, 2-14=0/1156, 8-10=0/1217

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed; end vertical left and right 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); Pg=15.0 psf; Pf=11.6 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.0; 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 11.6 psf on overhangs non-concurrent with other live loads.
 - 6) All plates are 3x4 MT20 unless otherwise indicated.
 - 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15.
 - 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.



September 8, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



818 Soundside Road
 Edenton, NC 27932

Job P21-08026	Truss T09	Truss Type Common	Qty 5	Ply 1	LOT 4 ROSSER PITTMAN Job Reference (optional)	147792691
------------------	--------------	----------------------	----------	----------	--	-----------

Longleaf Truss Company, West End, NC - 27376,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Sep 7 11:40:58 2021 Page 1
ID:isAr0Dyk5w9qXf4rVgNXDAyg2bQ-?UntgkC6AxS0XOH7nvy1PW3Xw77xeBBw_HWJn7yg1VZ

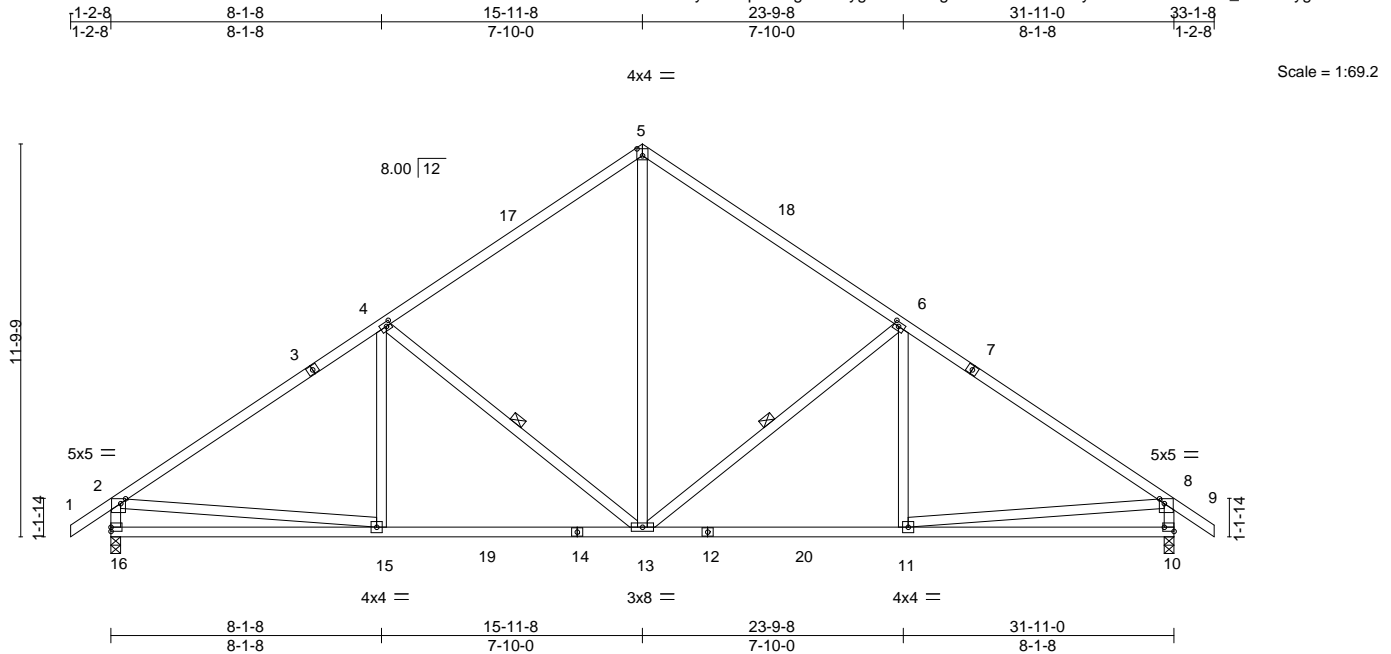


Plate Offsets (X,Y)--	[2:0-1-12,0-1-12], [4:0-1-12,0-1-8], [5:0-2-0,0-2-8], [6:0-1-12,0-1-8], [8:0-1-12,0-1-12], [10:Edge,0-1-8]				
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	Plate Grip DOL 1.15	TC 0.86	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 11.6/15.0	Lumber DOL 1.15	BC 0.55	Vert(LL) -0.11 13-15 >999 240		
TCDL 10.0	Rep Stress Incr YES	WB 0.46	Vert(CT) -0.20 13-15 >999 180		
BCLL 0.0 *	Code IRC2018/TPI2014	Matrix-S	Horz(CT) 0.04 10 n/a n/a		
BCDL 10.0				Weight: 198 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1	TOP CHORD Sheathed or 4-2-4 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 6-13, 4-13

REACTIONS. (size) 16=0-3-8, 10=0-3-8
 Max Horz 16=254(LC 11)
 Max Uplift 16=-33(LC 12), 10=-33(LC 12)
 Max Grav 16=1512(LC 24), 10=1512(LC 25)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-1843/47, 4-5=-1347/121, 5-6=-1348/121, 6-8=-1844/47, 2-16=-1385/75, 8-10=-1385/75
 BOT CHORD 15-16=-125/541, 13-15=0/1594, 11-13=0/1451, 10-11=-20/356
 WEBS 5-13=-25/980, 6-13=-646/92, 6-11=0/291, 4-13=-647/92, 4-15=0/291, 2-15=0/1154, 8-11=0/1160

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed; end vertical left and right 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); Pg=15.0 psf; Pf=11.6 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; 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 11.6 psf on overhangs non-concurrent with other live loads.
 - 6) All plates are 3x4 MT20 unless otherwise indicated.
 - 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16, 10.
 - 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.



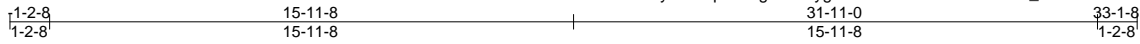
September 8, 2021

Job	Truss	Truss Type	Qty	Ply	LOT 4 ROSSER PITTMAN	147792692
P21-08026	T09GE	Common Supported Gable	1	1	Job Reference (optional)	

Longleaf Truss Company, West End, NC - 27376,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Sep 7 11:41:00 2021 Page 1

ID:isAr0Dyk5w9qXf4rVgNXDAyg2bQ-xtvd5PDMiYikniRVvK_VUx80dxvk6AMDRb?Ps?yg1VX



Scale = 1:70.2

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	Plate Grip DOL	1.15	TC 0.21	Vert(LL)	-0.01	21	n/r	MT20	244/190
Snow (Pf/Pg) 11.6/15.0	Lumber DOL	1.15	BC 0.08	Vert(CT)	-0.01	21	n/r		
TCDL 10.0	Rep Stress Incr	YES	WB 0.16	Horz(CT)	-0.01	22	n/a		
BCLL 0.0 *	Code IRC2018/TPI2014		Matrix-R						
BCDL 10.0								Weight: 251 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1	TOP CHORD Sheathed or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 11-30, 10-31, 9-32, 12-29, 13-28
OTHERS 2x4 SP No.3	

REACTIONS. All bearings 31-11-0.
 (lb) - Max Horz 38=-254(LC 10)
 Max Uplift All uplift 100 lb or less at joint(s) 38, 22, 31, 32, 33, 34, 35, 36, 37, 29, 28, 27, 26, 25, 24, 23
 Max Grav All reactions 250 lb or less at joint(s) 38, 22, 31, 32, 33, 34, 35, 36, 37, 29, 28, 27, 26, 25, 24, 23 except 30=260(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 10-11=-56/254, 11-12=-46/254

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=32ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=15.0 psf; Pf=11.6 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 11.6 psf on overhangs non-concurrent with other live loads.
 - All plates are 1.5x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 38, 22, 31, 32, 33, 34, 35, 36, 37, 29, 28, 27, 26, 25, 24, 23.
 - 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.



September 8, 2021

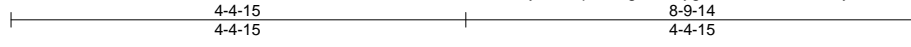
Job P21-08026	Truss V01	Truss Type GABLE	Qty 1	Ply 1	LOT 4 ROSSER PITTMAN 147792693
------------------	--------------	---------------------	----------	----------	-----------------------------------

Longleaf Truss Company,

West End, NC - 27376,

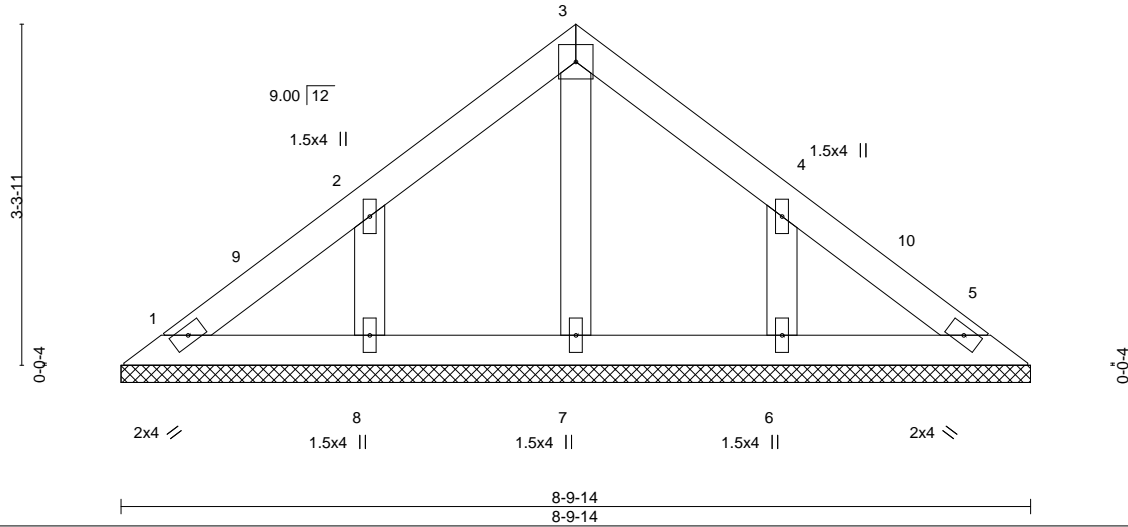
8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Sep 7 11:41:02 2021 Page 1

ID:isAr0Dyk5w9qXf4rVgNXDAyg2bQ-tF1NW5FdAyS00bu01zZMEPWlc0a6nWvUWwuyg1VV



4x4 =

Scale = 1:22.4



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.05	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 11.6/15.0	Plate Grip DOL 1.15	BC 0.03	Vert(LL) n/a - n/a 999		
TCDL 10.0	Lumber DOL 1.15	WB 0.03	Vert(CT) n/a - n/a 999		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-P	Horz(CT) 0.00 5 n/a n/a		
BCDL 10.0	Code IRC2018/TPI2014			Weight: 36 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1	TOP CHORD Sheathed or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SP No.3	

REACTIONS. All bearings 8-9-14.
 (lb) - Max Horz 1--59(LC 10)
 Max Uplift All uplift 100 lb or less at joint(s) 8, 6
 Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7, 8, 6

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; TCCL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed; end vertical left and right 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); Pg=15.0 psf; Pf=11.6 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; 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 3-6-0 tall by 2-0-0 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) 8, 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.



Job P21-08026	Truss V02	Truss Type Valley	Qty 1	Ply 1	LOT 4 ROSSER PITTMAN 147792694
------------------	--------------	----------------------	----------	----------	-----------------------------------

Longleaf Truss Company,

West End, NC - 27376,

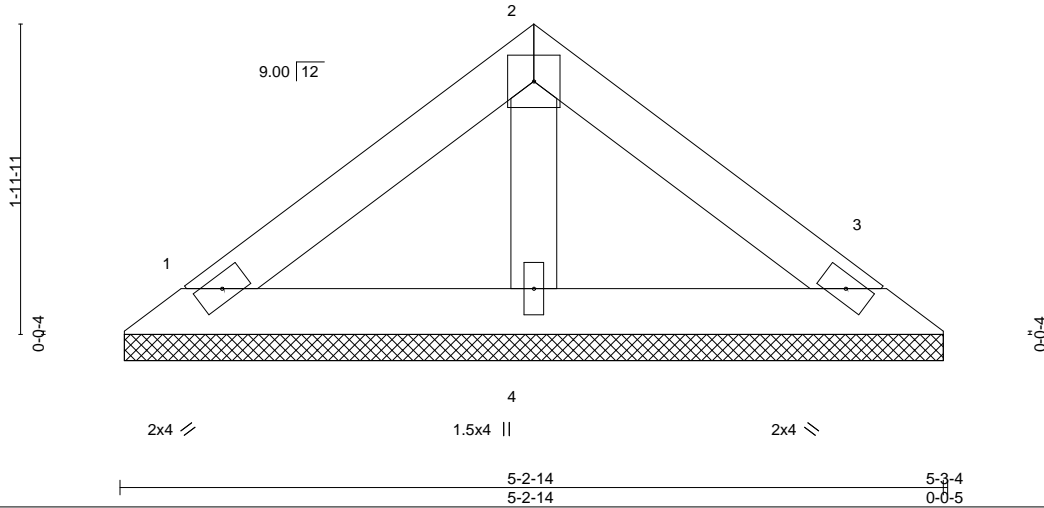
8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Sep 7 11:41:03 2021 Page 1

ID:isAr0Dyk5w9qXf4rVgNXDAYg2bQ-LSamjRGF_T4le9A4aSYC6amZ18y4JZEf8ZE4SKygl1VU



4x4 =

Scale = 1:14.7



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.07	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 11.6/15.0	Plate Grip DOL 1.15	BC 0.04	Vert(LL) n/a - n/a 999		
TCDL 10.0	Lumber DOL 1.15	WB 0.02	Vert(CT) n/a - n/a 999		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-P	Horz(CT) 0.00 3 n/a n/a		
BCDL 10.0	Code IRC2018/TPI2014			Weight: 18 lb	FT = 20%

LUMBER-

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

BRACING-

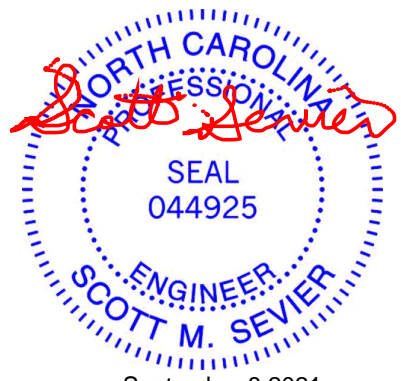
TOP CHORD	Sheathed or 5-3-4 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=5-2-9, 3=5-2-9, 4=5-2-9
 Max Horz 1=-33(LC 10)
 Max Uplift 1=-10(LC 12), 3=-10(LC 12)
 Max Grav 1=100(LC 2), 3=100(LC 2), 4=152(LC 2)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=15.0 psf; Pf=11.6 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
- 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.



September 8, 2021

Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0- 1/16" from outside edge of truss.



This symbol indicates the required direction of slots in connector plates.

* Plate location details available in **MITek 20/20 software** or upon request.

PLATE SIZE

4 X 4

The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T or I bracing if indicated.

BEARING



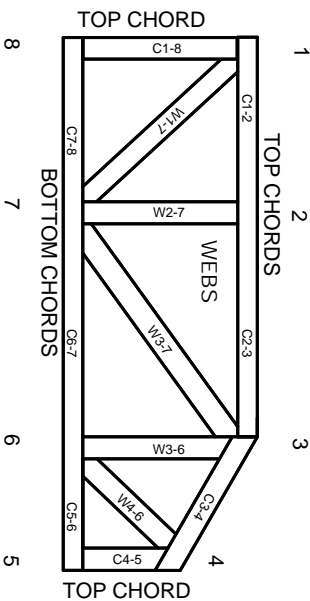
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI 1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing, Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate
Connected Wood Trusses.

Numbering System

6-4-8
dimensions shown in ft-in-sixteenths
(Drawings not to scale)



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988
ER-3907, ESR-2362, ESR-1397, ESR-3282

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TPI 1 section 6.3 These truss designs rely on lumber values established by others.

© 2012 MITteK® All Rights Reserved



MITek Engineering Reference Sheet: MI1-7473 rev. 5/19/2020



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.