

Trenco
818 Soundside Rd
Edenton, NC 27932

Re: MasterFrench
Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Builders FirstSource-Apex,NC.

Pages or sheets covered by this seal: I50128712 thru I50128753

My license renewal date for the state of North Carolina is December 31, 2022.

North Carolina COA: C-0844



February 9,2022

Johnson, Andrew

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.

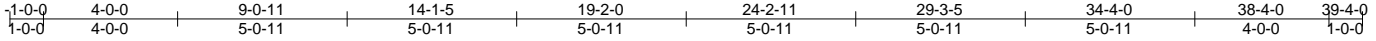
Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek
MASTERFRENCH	A01-2PL	HIP	1	2	150128712

Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:15:20 2022 Page 1

ID:J_Pa_WGnqUPCVVLHsc?23YyoL3v-2Zgxmog12M3tdef_JFLmAjLXiWZ3zPVRsviGYdnDFL



Scale = 1:68.7

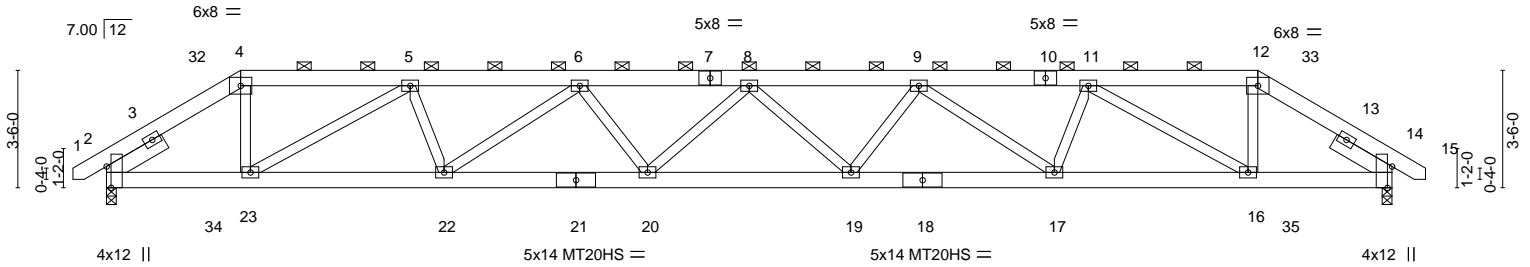


Plate Offsets (X,Y)--	[2:0-7-10,Edge], [14:0-7-10,Edge]
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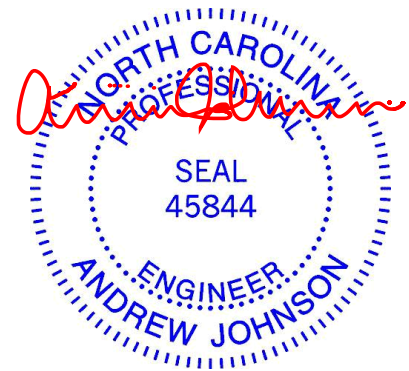
LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.52	Vert(LL) -0.30	19-20	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.43	Vert(CT) -0.61	19-20	>757	240	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr NO	WB 0.58	Horz(CT) 0.11	14	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS	Wind(LL) 0.23	19-20	>999	240		
							Weight: 531 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except
BOT CHORD 2x6 SP DSS	2-0-0 oc purlins (4-7-3 max.): 4-12.
WEBS 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
SLIDER Left 2x6 SP No.2 1-11-12, Right 2x6 SP No.2 1-11-12	

REACTIONS. (size) 2=0-3-8, 14=0-3-8
 Max Horz 2=-56(LC 6)
 Max Uplift 2=-229(LC 8), 14=-229(LC 9)
 Max Grav 2=3369(LC 1), 14=3369(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-4878/373, 4-5=-4123/329, 5-6=-8473/678, 6-8=-10575/840, 8-9=-10575/840, 9-11=-8473/678, 11-12=-4123/329, 12-14=-4878/373
 BOT CHORD 2-23=-323/4007, 22-23=-653/7879, 20-22=-835/10079, 19-20=-890/10819, 17-19=-814/10079, 16-17=-612/7879, 14-16=-274/4007
 WEBS 4-23=-151/2426, 5-23=-4439/411, 5-22=-99/1892, 6-22=-2022/214, 6-20=-61/905, 8-20=-357/127, 8-19=-357/127, 9-19=-61/905, 9-17=-2022/214, 11-17=-99/1892, 11-16=-4439/411, 12-16=-151/2426

- NOTES-**
- 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 0-9-0 oc.
 Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - 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.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCCL=6.0psf; BCCL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - All plates are 4x6 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=229, 14=229.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 180 lb down and 15 lb up at 3-1-4, and 180 lb down and 15 lb up at 35-2-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.



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Continued on page 2

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	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek I50128712
MASTERFRENCH	A01-2PL	HIP	1	2	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:15:20 2022 Page 2
ID:J_Pa_WGnqUPCVVLHsc?23YyoL3v-2Zgxmog12M3tdef_JFLmAjLXiWZ3zPVRsvIGYdznDFL

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-32=-60, 4-32=-95(F=-35), 4-12=-95(F=-35), 12-33=-95(F=-35), 15-33=-60, 24-34=-20, 34-35=-85(F=-65), 28-35=-20

Concentrated Loads (lb)

Vert: 34=-180(F) 35=-180(F)

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

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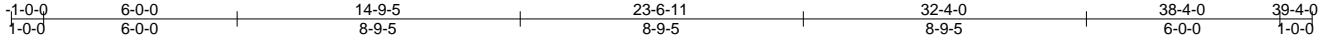


818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek
MASTERFRENCH	A02	HIP	1	1	150128713
Builders FirstSource (Apex, NC), Apex, NC - 27523,					Job Reference (optional)

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ID: J_Pa_WGnqUPCVVLHsc?23YyoL3v-WIEJz8gfpBkEoEBtzs?jwtfKwu2iqnb4Z1p43znDFK



Scale = 1:71.4

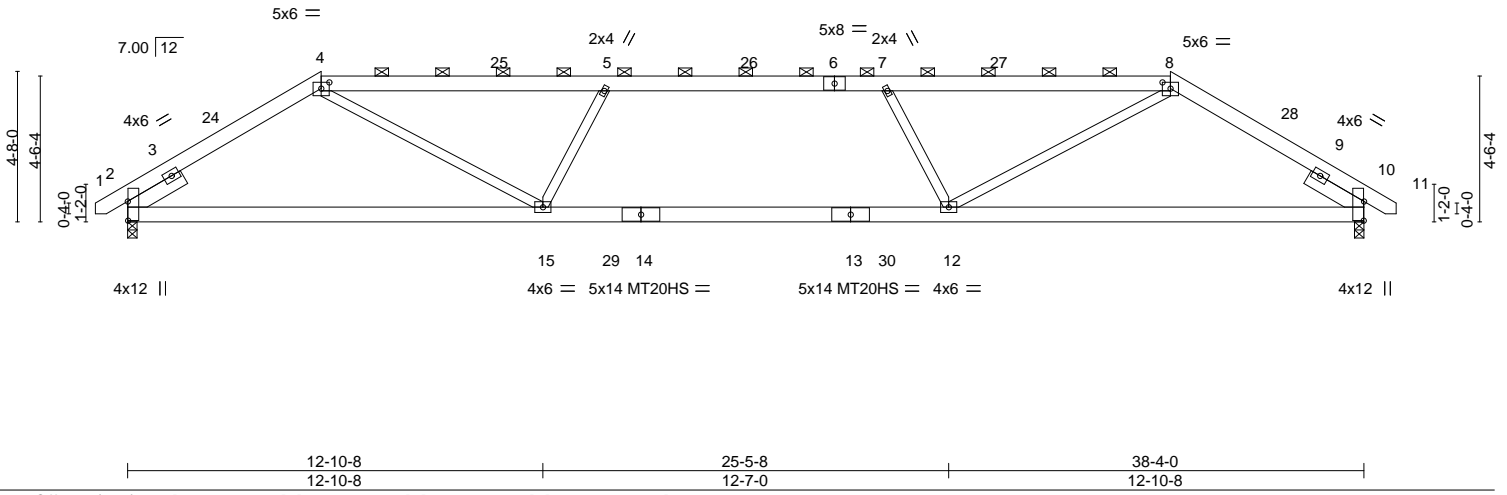


Plate Offsets (X,Y)-- [2:0-7-2,0-0-2], [4:0-3-0,0-2-5], [8:0-3-0,0-2-5], [10:0-7-2,0-0-2]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.72	Vert(LL) -0.42	12-15	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.51	Vert(CT) -0.68	12-15	>676	240	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr YES	WB 0.71	Horz(CT) 0.08	10	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS	Wind(LL) 0.23	15	>999	240		
							Weight: 234 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2
 BOT CHORD 2x6 SP DSS
 WEBS 2x4 SP No.3
 SLIDER Left 2x6 SP No.2 1-11-12, Right 2x6 SP No.2 1-11-12

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-7-5 oc purlins, except 2-0-0 oc purlins (3-0-3 max.): 4-8.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 2=0-3-8, 10=0-3-8
 Max Horz 2=77(LC 11)
 Max Uplift 2=-76(LC 12), 10=-76(LC 13)
 Max Grav 2=1583(LC 1), 10=1583(LC 1)

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

TOP CHORD 2-4=-2290/180, 4-5=-3291/146, 5-7=-3530/226, 7-8=-3291/147, 8-10=-2290/180
 BOT CHORD 2-15=-154/1898, 12-15=-230/3530, 10-12=-85/1898
 WEBS 4-15=-78/1714, 5-15=-666/219, 7-12=-666/219, 8-12=-78/1714

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-0 to 3-0-0, Interior(1) 3-0-0 to 6-0-0, Exterior(2) 6-0-0 to 11-5-1, Interior(1) 11-5-1 to 32-4-0, Exterior(2) 32-4-0 to 37-8-12, Interior(1) 37-8-12 to 39-2-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

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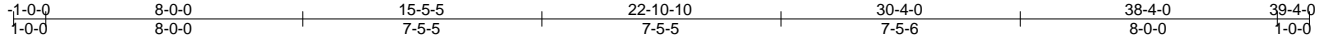
818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek
MASTERFRENCH	A03	HIP	1	1	150128714

Builders FirstSource (Apex, NC), Apex, NC - 27523,

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ID: J_Pa_WGnqUPCVLHsc?23YyoL3v-T8M3OqivKHSU5OZ_OvToLz1TjTqAocuYtWw9yznDFI



Scale = 1:71.7

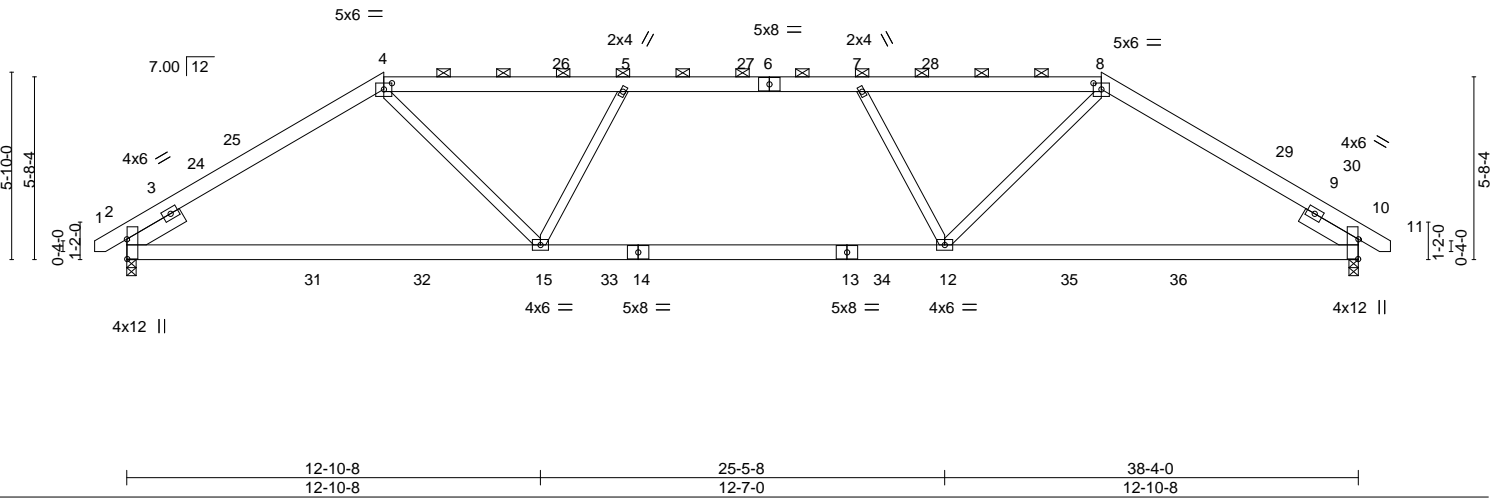


Plate Offsets (X,Y)-- [2:0-7-6,0-0-2], [4:0-3-0,0-2-5], [8:0-3-0,0-2-5], [10:0-7-6,0-0-2]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.61	Vert(LL) -0.34 12-15 >999 360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.93	Vert(CT) -0.55 12-15 >836 240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.50	Horz(CT) 0.09 10 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS	Wind(LL) 0.16 15 >999 240	Weight: 237 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2
 BOT CHORD 2x6 SP DSS *Except*
 13-14: 2x6 SP No.2
 WEBS 2x4 SP No.3
 SLIDER Left 2x6 SP No.2 1-11-12, Right 2x6 SP No.2 1-11-12

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-7-11 oc purlins, except
 2-0-0 oc purlins (4-0-8 max.): 4-8.
 BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS.

(size) 2=0-3-8, 10=0-3-8
 Max Horz 2=100(LC 11)
 Max Uplift 2=-74(LC 12), 10=-74(LC 13)
 Max Grav 2=1612(LC 2), 10=1612(LC 2)

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

TOP CHORD 2-4=-2334/165, 4-5=-2708/140, 5-7=-2915/198, 7-8=-2708/140, 8-10=-2334/165
 BOT CHORD 2-15=-111/1930, 12-15=-130/2915, 10-12=-36/1930
 WEBS 4-15=-39/1197, 5-15=-601/213, 7-12=-601/213, 8-12=-39/1197

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCCL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-10-0 to 3-0-0, Interior(1) 3-0-0 to 8-0-0, Exterior(2) 8-0-0 to 13-5-1, Interior(1) 13-5-1 to 30-4-0, Exterior(2) 30-4-0 to 35-9-1, Interior(1) 35-9-1 to 39-2-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

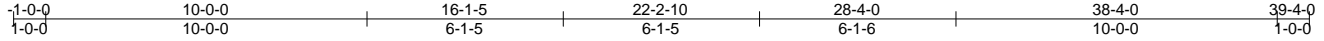


818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek
MASTERFRENCH	A04	HIP	1	1	150128715
Builders FirstSource (Apex, NC), Apex, NC - 27523,					Job Reference (optional)

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:15:25 2022 Page 1

ID: J_Pa_WGnqUPCVLHsc?23YyoL3v-PXUqpVj9svhAjPxy6oxxtm2M6X9yegeA?B?1DqznDFG



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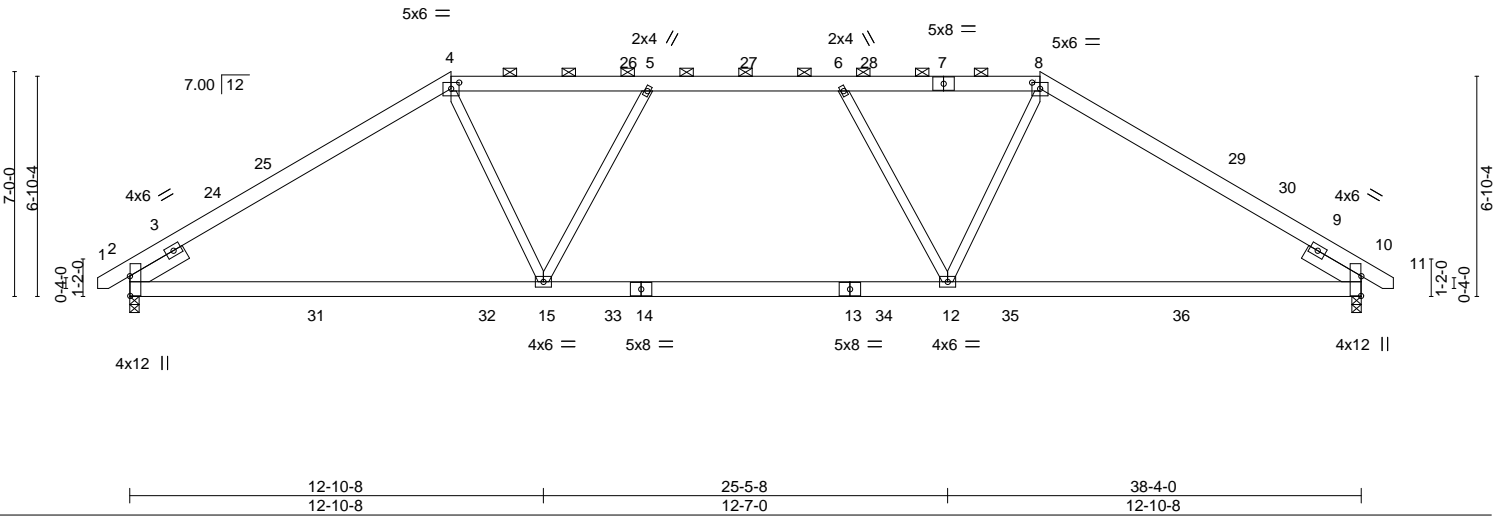


Plate Offsets (X,Y)--	[2:0-7-6,0-0-2], [4:0-3-0,0-2-5], [8:0-3-0,0-2-5], [10:0-7-6,0-0-2]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.67	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.96	Vert(LL) -0.30 12-15 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.53	Vert(CT) -0.47 12-15 >975 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.10 10 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.11 12-22 >999 240	Weight: 242 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-5-15 oc purlins, except
BOT CHORD 2x6 SP No.2	2-0-0 oc purlins (4-7-1 max.): 4-8.
WEBS 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
SLIDER Left 2x6 SP No.2 1-11-12, Right 2x6 SP No.2 1-11-12	

REACTIONS. (size) 2=0-3-8, 10=0-3-8
 Max Horz 2=123(LC 11)
 Max Uplift 2=-72(LC 12), 10=-72(LC 13)
 Max Grav 2=1669(LC 2), 10=1669(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-2380/153, 4-5=-2314/149, 5-6=-2481/193, 6-8=-2313/148, 8-10=-2380/153
 BOT CHORD 2-15=-63/1953, 12-15=-56/2481, 10-12=-11/1954
 WEBS 4-15=-29/954, 5-15=-541/216, 6-12=-541/216, 8-12=-29/953

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-0 to 3-0-0, Interior(1) 3-0-0 to 10-0-0, Exterior(2) 10-0-0 to 15-5-1, Interior(1) 15-5-1 to 28-4-0, Exterior(2) 28-4-0 to 33-9-1, Interior(1) 33-9-1 to 39-2-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



February 9, 2022

Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek
MASTERFRENCH	A05	HIP	1	1	150128716

Builders FirstSource (Apex, NC), Apex, NC - 27523,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:15:26 2022 Page 1

ID:J_Pa_WGnqUPCVVLHsc?23YyoL3v-tj1C0rkndCp1LZ68gWSAQ_aT?xWcNBKKEriamGznDFF



Scale = 1:68.0

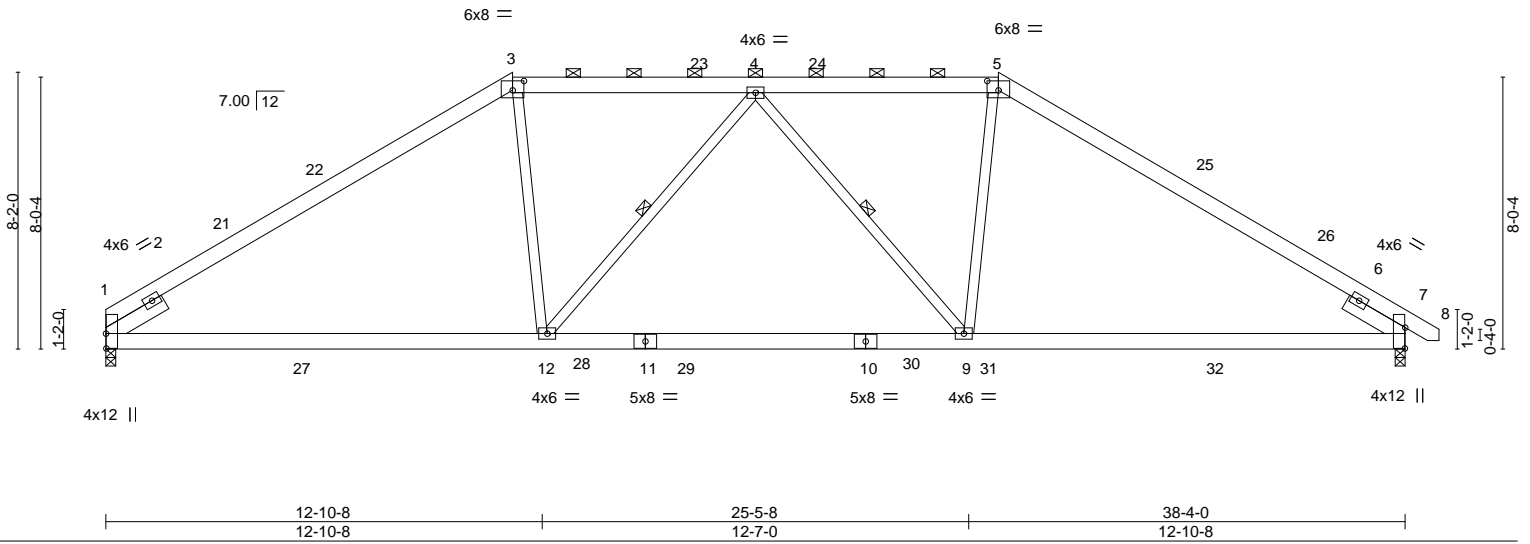


Plate Offsets (X,Y)-- [1:0-5-4,0-0-2], [3:0-4-0,0-3-5], [5:0-4-0,0-3-5], [7:0-7-6,0-0-2]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.91	Vert(LL) -0.18	9-12	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.87	Vert(CT) -0.31	9-12	>999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.31	Horz(CT) 0.08	7	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS	Wind(LL) 0.12	12-15	>999	240	Weight: 250 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 1-11-12, Right 2x6 SP No.2 1-11-12

BRACING-

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

REACTIONS.

(size) 1=0-3-8, 7=0-3-8
 Max Horz 1=-143(LC 8)
 Max Uplift 1=-57(LC 12), 7=-69(LC 13)
 Max Grav 1=1629(LC 2), 7=1672(LC 2)

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

TOP CHORD 1-3=-2336/144, 3-4=-1980/165, 4-5=-1978/166, 5-7=-2335/141
 BOT CHORD 1-12=-27/1899, 9-12=-12/2131, 7-9=0/1898
 WEBS 3-12=0/738, 4-12=-432/200, 4-9=-434/200, 5-9=0/738

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-0-0 to 3-10-0, Interior(1) 3-10-0 to 12-0-0, Exterior(2) 12-0-0 to 17-5-1, Interior(1) 17-5-1 to 26-4-0, Exterior(2) 26-4-0 to 31-9-1, Interior(1) 31-9-1 to 39-2-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



February 9, 2022

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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	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek
MASTERFRENCH	A06	HIP	1	1	150128717

Builders FirstSource (Apex, NC), Apex, NC - 27523,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:15:27 2022 Page 1

ID:J_Pa_WGnqUPCVLHsc?23YyoL3v-LvbaEBIQOWxuzjhLDDzPyB7kUKsU6ZwTTVU8ljznDFE



Scale = 1:70.2

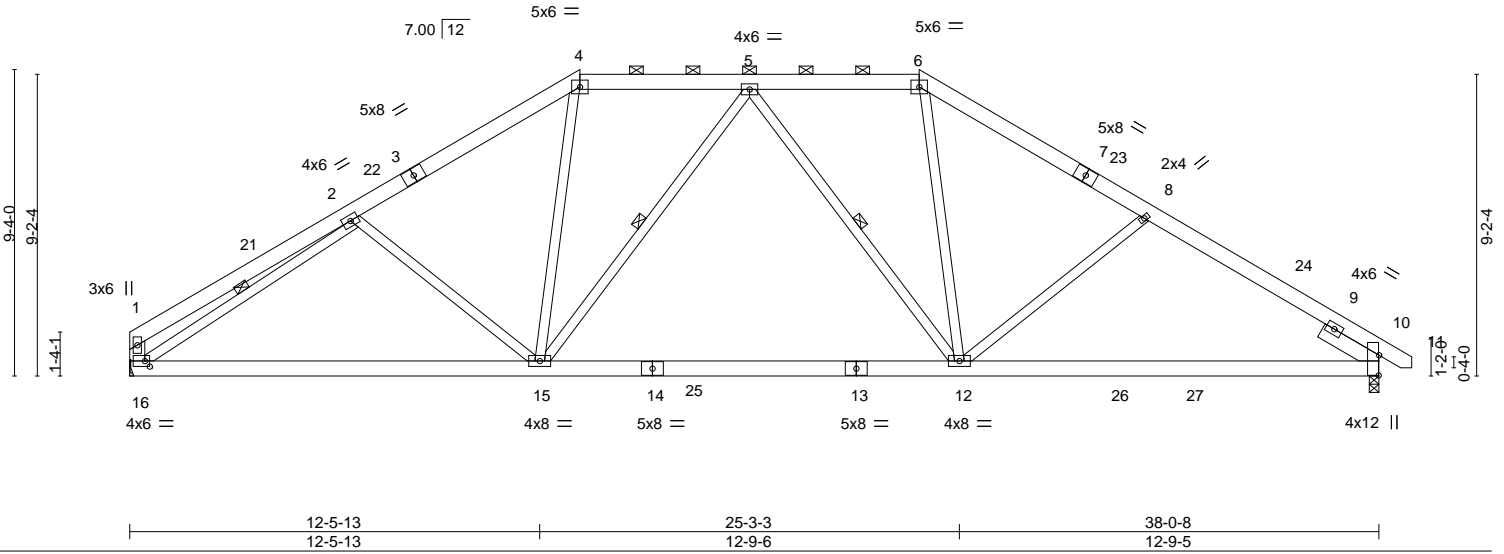


Plate Offsets (X,Y)-- [10:0-7-6,0-0-2], [16:0-1-12,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.55	Vert(LL) -0.31	12-15	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.82	Vert(CT) -0.48	12-15	>953	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.60	Horz(CT) 0.08	10	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS	Wind(LL) 0.06	12-15	>999	240		
							Weight: 286 lb	FT = 20%

LUMBER-
 TOP CHORD 2x6 SP No.2
 BOT CHORD 2x6 SP No.2
 WEBS 2x4 SP No.3 *Except*
 1-16: 2x6 SP No.2
 SLIDER Right 2x6 SP No.2 1-11-12

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-11-2 oc purlins, except end verticals, and 2-0-0 oc purlins (5-10-11 max.): 4-6.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 5-15, 5-12, 2-16

REACTIONS. (size) 16=Mechanical, 10=0-3-8
 Max Horz 16=-183(LC 10)
 Max Uplift 16=-51(LC 12), 10=-66(LC 13)
 Max Grav 16=1512(LC 1), 10=1563(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-16=-415/63, 1-2=-538/45, 2-4=-1931/147, 4-5=-1500/164, 5-6=-1542/168, 6-8=-1947/146, 8-10=-2212/149
 BOT CHORD 15-16=-133/1719, 12-15=0/1628, 10-12=-46/1810
 WEBS 4-15=0/618, 5-15=-351/161, 5-12=-320/163, 6-12=0/622, 8-12=-298/187, 2-16=-1667/118

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-2-12 to 4-0-6, Interior(1) 4-0-6 to 13-8-8, Exterior(2) 13-8-8 to 18-10-8, Interior(1) 18-10-8 to 24-0-8, Exterior(2) 24-0-8 to 29-5-1, Interior(1) 29-5-1 to 38-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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, with BCDL = 10.0psf.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16, 10.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



February 9, 2022

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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



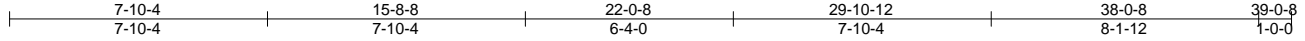
818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek
MASTERFRENCH	A07	HIP	1	1	150128718

Builders FirstSource (Apex, NC), Apex, NC - 27523,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:15:29 2022 Page 1

ID:J_Pa_WGnqUPCVLHsc?23YyoL3v-HljLetngw7BbC0rJLe?t1cC318VNaQZmwpzEMbznDFC



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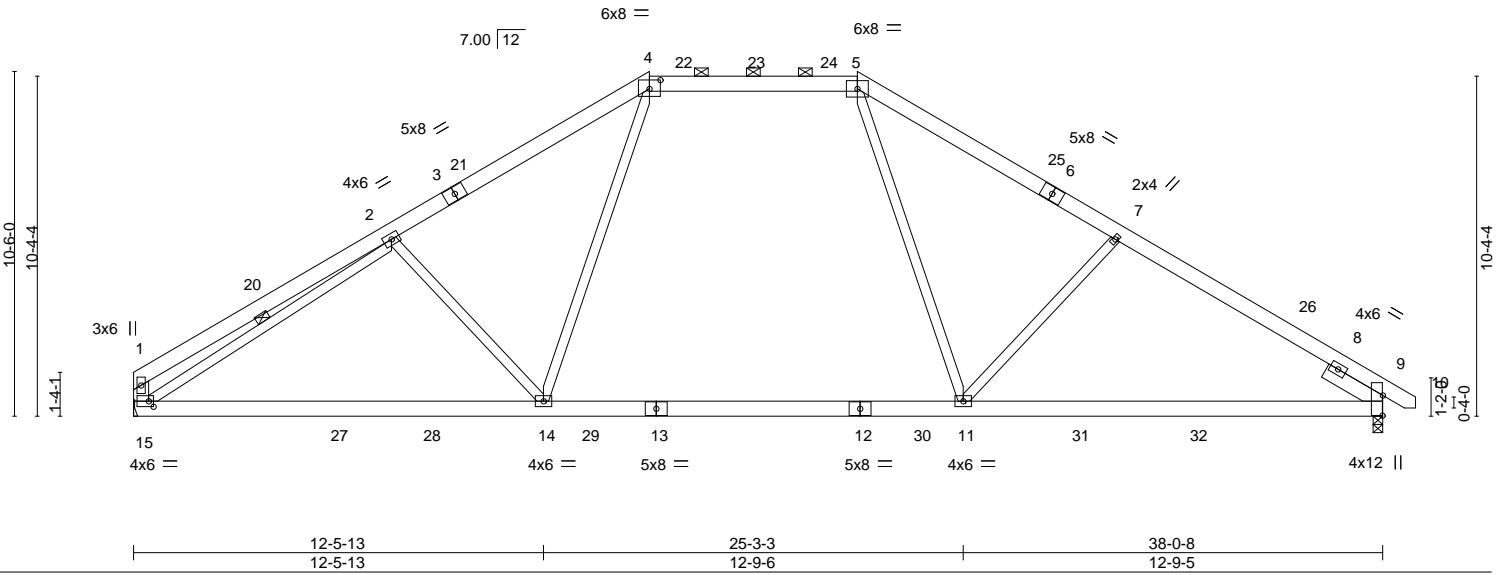


Plate Offsets (X,Y)-- [4:0-4-0-0-3-4], [9:0-7-6,0-0-2], [15:0-1-12,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.61	Vert(LL) -0.40 11-18 >999 360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.99	Vert(CT) -0.54 11-14 >836 240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.79	Horz(CT) 0.08 9 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS	Wind(LL) 0.26 11-18 >999 240		
				Weight: 262 lb	FT = 20%

LUMBER-
 TOP CHORD 2x6 SP No.2
 BOT CHORD 2x6 SP No.2
 WEBS 2x4 SP No.3 *Except*
 1-15: 2x6 SP No.2
 SLIDER Right 2x6 SP No.2 1-11-12

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

REACTIONS. (size) 15=Mechanical, 9=0-3-8
 Max Horz 15=-206(LC 10)
 Max Uplift 15=-47(LC 12), 9=-62(LC 13)
 Max Grav 15=1575(LC 19), 9=1636(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-15=-476/83, 1-2=-630/84, 2-4=-2093/164, 4-5=-1524/189, 5-7=-2107/162, 7-9=-2331/142
 BOT CHORD 14-15=-129/1944, 11-14=0/1524, 9-11=-33/1923
 WEBS 2-15=-1746/86, 2-14=-354/256, 4-14=-2/728, 5-11=-6/768, 7-11=-446/255

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCCL=6.0psf; BCCL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-2-12 to 4-0-6, Interior(1) 4-0-6 to 15-8-8, Exterior(2) 15-8-8 to 21-1-1, Interior(1) 21-1-1 to 22-0-8, Exterior(2) 22-0-8 to 27-5-1, Interior(1) 27-5-1 to 38-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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, with BCCL = 10.0psf.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15, 9.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



February 9, 2022

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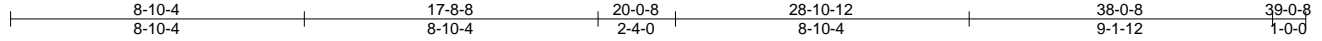
818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek
MASTERFRENCH	A08	HIP	1	1	150128719

Builders FirstSource (Apex, NC), Apex, NC - 27523,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:15:30 2022 Page 1

ID: J_Pa_WGnqUPCVLHsc?23YyoL3v-IUHjsDnlhRJSqAQvMX6aqDxYtZJrWv9Tjov2znDFB



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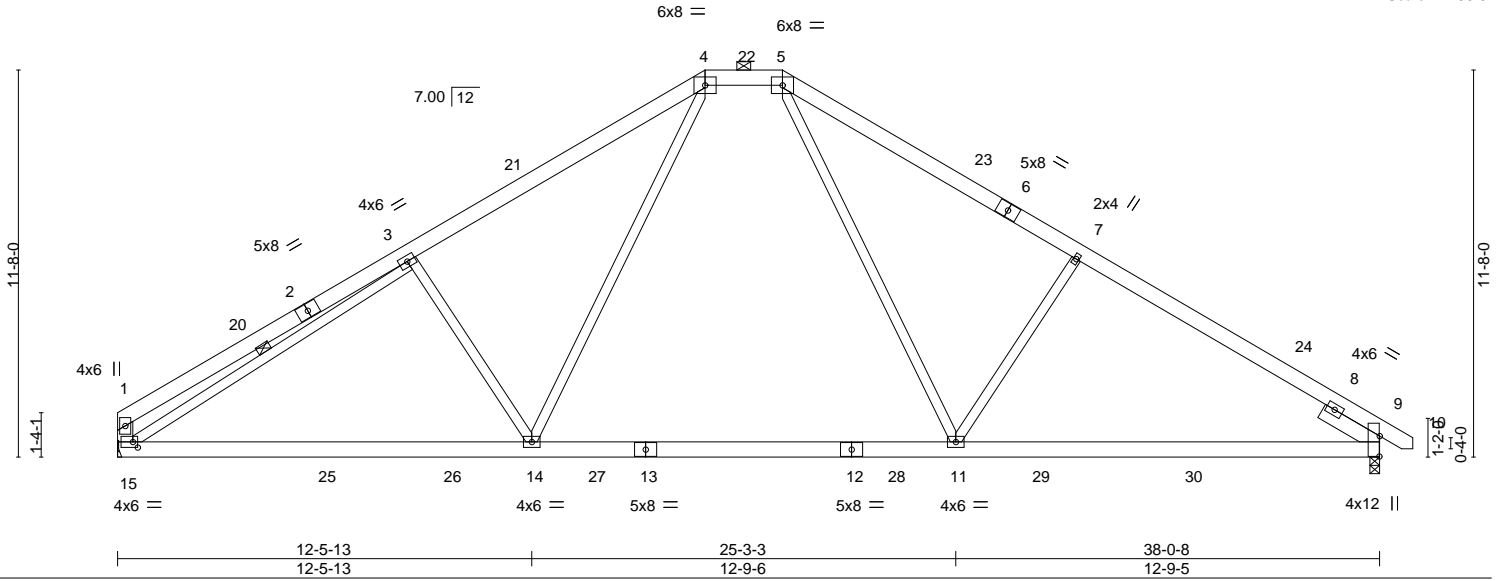


Plate Offsets (X,Y)-- [9:0-7-6,0-0-2], [15:0-1-12,0-2-0]

LOADING (psf)	SPACING-	CSL.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.66	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.86	Vert(LL) -0.30 11-14 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.93	Vert(CT) -0.47 11-14 >957 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.08 9 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.08 11 >999 240	Weight: 270 lb	FT = 20%

LUMBER-
 TOP CHORD 2x6 SP No.2
 BOT CHORD 2x6 SP No.2
 WEBS 2x4 SP No.3 *Except*
 1-15: 2x6 SP No.2
 SLIDER Right 2x6 SP No.2 1-11-12

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-10-0 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.
 WEBS 1 Row at midpt 3-15

REACTIONS. (size) 15=Mechanical, 9=0-3-8
 Max Horz 15=-232(LC 10)
 Max Uplift 15=-42(LC 12), 9=-57(LC 13)
 Max Grav 15=1619(LC 19), 9=1680(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-15=-524/94, 1-3=-694/91, 3-4=-2134/171, 4-5=-1380/190, 5-7=-2162/171, 7-9=-2374/122
 BOT CHORD 14-15=-131/2028, 11-14=0/1440, 9-11=-5/1940
 WEBS 3-15=-1699/48, 3-14=-430/270, 4-14=-67/897, 5-11=-75/956, 7-11=-501/264

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCCL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-2-12 to 4-0-6, Interior(1) 4-0-6 to 17-8-8, Exterior(2) 17-8-8 to 25-5-1, Interior(1) 25-5-1 to 38-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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, with BCDL = 10.0psf.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15, 9.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



February 9, 2022

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

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818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek
MASTERFRENCH	A09	HIP	1	1	150128720
Builders FirstSource (Apex, NC), Apex, NC - 27523,					Job Reference (optional)

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:15:31 2022 Page 1
 ID: J_Pa_WGnqUPCVLHsc?23YyoL3v-Ehr53ZowSkSJRK?6S32L61INDyKJ2HF3N7SLRUznDFA

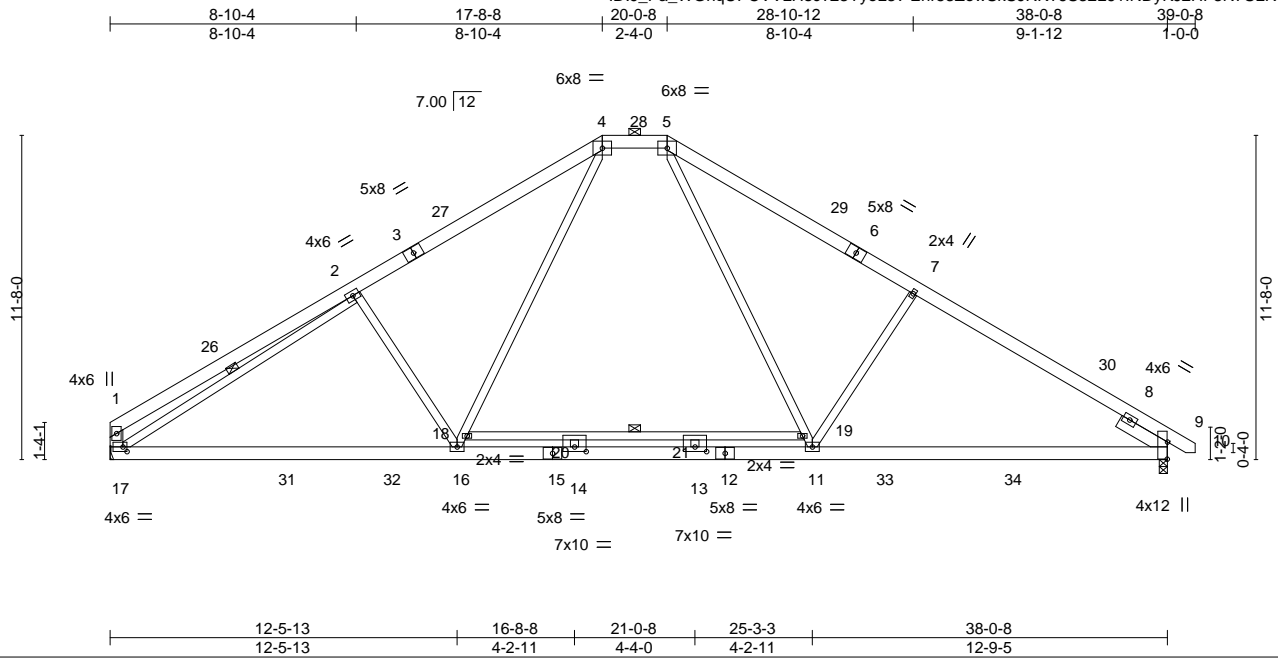


Plate Offsets (X,Y)-- [9:0-7-6,0-0-2], [17:0-1-12,0-2-0], [20:0-5-0,0-2-0], [21:0-5-0,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.76	Vert(LL) -0.42 13-14 >999 360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.45	Vert(CT) -0.56 13-14 >809 240		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.97	Horz(CT) 0.06 9 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS	Wind(LL) 0.08 11 >999 240		
				Weight: 289 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-9-3 oc purlins, except end verticals, and 2-0-0 oc purlins (5-10-15 max.); 4-5.
BOT CHORD 2x6 SP DSS	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3 *Except*	WEBS 1 Row at midpt 2-17, 18-19
SLIDER 1-17: 2x6 SP No.2, 18-19: 2x4 SP No.2 Right 2x6 SP No.2 1-11-12	

REACTIONS. (size) 17=Mechanical, 9=0-3-8
 Max Horz 17=-232(LC 10)
 Max Uplift 17=-42(LC 12), 9=-57(LC 13)
 Max Grav 17=1670(LC 19), 9=1730(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-17=-540/96, 1-2=-725/94, 2-4=-2220/172, 4-5=-1428/190, 5-7=-2247/172, 7-9=-2459/123
 BOT CHORD 16-17=-130/2101, 14-16=0/1615, 13-14=0/1615, 11-13=0/1615, 9-11=-6/2013
 WEBS 2-17=-1757/46, 2-16=-433/270, 16-18=-65/842, 4-18=-65/948, 5-19=-73/1003, 11-19=-74/894, 7-11=-504/264

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCdL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-2-12 to 4-0-6, Interior(1) 4-0-6 to 17-8-8, Exterior(2) 17-8-8 to 25-5-1, Interior(1) 25-5-1 to 38-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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, with BCDL = 10.0psf.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17, 9.
 - n/a
 - 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
 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-4=-60, 4-5=-60, 5-10=-60, 17-22=-20



Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek 150128720
MASTERFRENCH	A09	HIP	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:15:31 2022 Page 2
ID:J_Pa_WGnqUPCVLHsc?23YyoL3v-Ehr53ZowSkSJRK?6S32L61INDyKJ2HF3N7SLRUznDFA

LOAD CASE(S) Standard

- 2) Dead + 0.75 Roof Live (balanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-50, 4-5=-50, 5-10=-50, 17-31=-20, 31-32=-50, 32-33=-20, 33-34=-50, 22-34=-20, 18-19=-30
- 3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-20, 4-5=-20, 5-10=-20, 17-22=-40, 18-19=-40
- 18) Dead + Uninhabitable Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-20, 4-5=-20, 5-10=-20, 17-31=-20, 31-32=-60, 32-33=-20, 33-34=-60, 22-34=-20, 18-19=-40
- 19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-58, 4-5=-34, 5-9=-44, 9-10=-40, 17-31=-20, 31-32=-50, 32-33=-20, 33-34=-50, 22-34=-20, 18-19=-30
Horz: 1-17=16, 1-4=8, 5-9=6, 9-10=10
- 20) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-44, 4-5=-34, 5-9=-58, 9-10=-55, 17-31=-20, 31-32=-50, 32-33=-20, 33-34=-50, 22-34=-20, 18-19=-30
Horz: 1-17=-6, 1-4=-6, 5-9=-8, 9-10=-5
- 21) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-34, 4-28=-34, 5-28=-44, 5-9=-44, 9-10=-40, 17-31=-20, 31-32=-50, 32-33=-20, 33-34=-50, 22-34=-20, 18-19=-30
Horz: 1-17=15, 1-4=-16, 5-9=6, 9-10=10
- 22) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-44, 4-28=-44, 5-28=-34, 5-9=-34, 9-10=-30, 17-31=-20, 31-32=-50, 32-33=-20, 33-34=-50, 22-34=-20, 18-19=-30
Horz: 1-17=-5, 1-4=-6, 5-9=16, 9-10=20
- 25) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-50, 4-5=-50, 5-10=-20, 17-31=-20, 31-32=-50, 32-33=-20, 33-34=-50, 22-34=-20, 18-19=-30
- 26) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-20, 4-5=-50, 5-10=-50, 17-31=-20, 31-32=-50, 32-33=-20, 33-34=-50, 22-34=-20, 18-19=-30

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

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

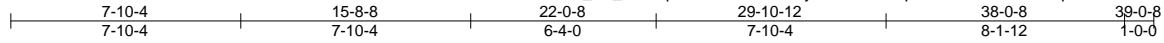


818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek
MASTERFRENCH	A10	HIP	1	1	150128721

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:15:32 2022 Page 1

ID: J_Pa_WGnqUPCVVLHsc?23YyoL3v-itPTHvpYD2aA3Ual0nZafFqZFLQnn4CcnCvzwnDF9



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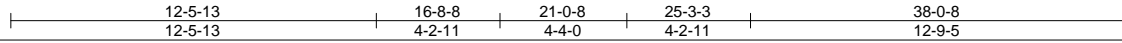
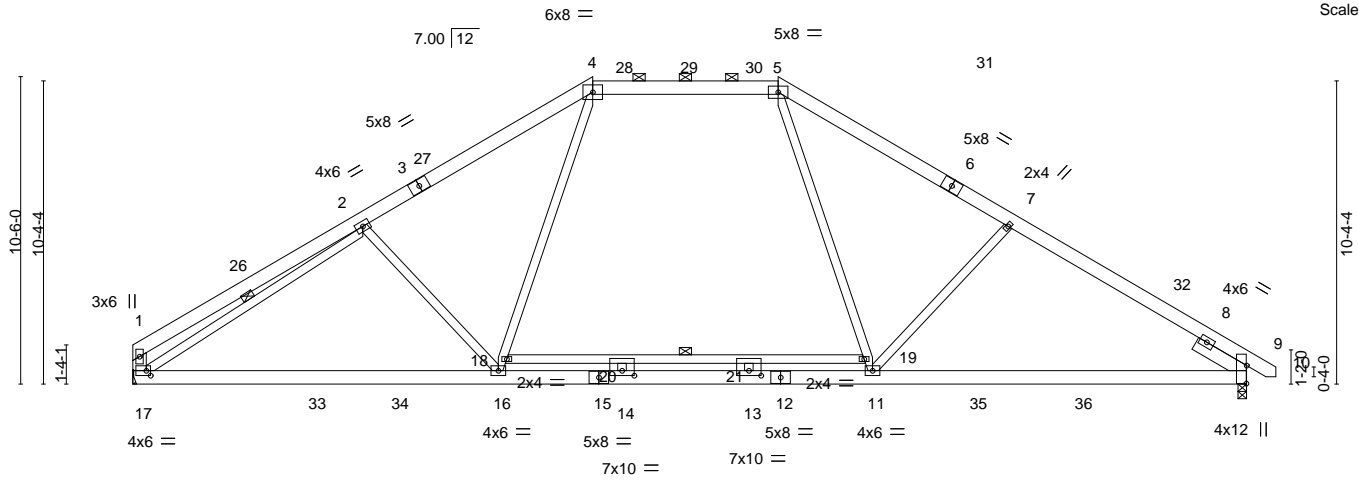


Plate Offsets (X,Y)-- [9:0-7-6,0-0-2], [17:0-1-12,0-2-0], [20:0-5-0,0-2-0], [21:0-5-0,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.67	Vert(LL) -0.42 13-14 >999 360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.46	Vert(CT) -0.55 13-14 >828 240		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.80	Horz(CT) 0.07 9 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS	Wind(LL) 0.24 11-24 >999 240		
				Weight: 282 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2
 BOT CHORD 2x6 SP DSS
 WEBS 2x4 SP No.3 *Except*
 1-17: 2x6 SP No.2, 18-19: 2x4 SP No.2
 SLIDER Right 2x6 SP No.2 1-11-12

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-9-7 oc purlins, except end verticals, and 2-0-0 oc purlins (5-9-2 max.): 4-5.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 2-17, 18-19

REACTIONS.

(size) 17=Mechanical, 9=0-3-8
 Max Horz 17=-206(LC 10)
 Max Uplift 17=-47(LC 12), 9=-62(LC 13)
 Max Grav 17=1611(LC 19), 9=1671(LC 20)

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

TOP CHORD 1-17=-494/87, 1-2=-665/93, 2-4=-2155/165, 4-5=-1563/189, 5-7=-2166/163, 7-9=-2391/143
 BOT CHORD 16-17=-126/1992, 14-16=0/1628, 13-14=0/1628, 11-13=0/1628, 9-11=-33/1976
 WEBS 2-17=-1779/87, 2-16=-355/255, 16-18=0/724, 4-18=0/833, 5-19=0/845, 11-19=0/732, 7-11=-449/254

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-2-12 to 4-0-6, Interior(1) 4-0-6 to 15-8-8, Exterior(2) 15-8-8 to 21-1-1, Interior(1) 21-1-1 to 22-0-8, Exterior(2) 22-0-8 to 27-5-1, Interior(1) 27-5-1 to 38-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17, 9.
- n/a
- 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

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-4=-60, 4-5=-60, 5-10=-60, 17-22=-20



February 9, 2022

Continued on page 2

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

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818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek I50128721
MASTERFRENCH	A10	HIP	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:15:32 2022 Page 2
ID:J_Pa_WGnqUPCVVLHsc?23YyoL3v-itPTHvpYD2aA3Ual0nZafFqZFLQnn4CcnCvzwnDF9

LOAD CASE(S) Standard

- 2) Dead + 0.75 Roof Live (balanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-50, 4-5=-50, 5-10=-50, 17-33=-20, 33-34=-50, 34-35=-20, 35-36=-50, 22-36=-20, 18-19=-30
- 3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-20, 4-5=-20, 5-10=-20, 17-22=-40, 18-19=40
- 18) Dead + Uninhabitable Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-20, 4-5=-20, 5-10=-20, 17-33=-20, 33-34=-60, 34-35=-20, 35-36=-60, 22-36=-20, 18-19=-40
- 19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-58, 4-5=-34, 5-9=-44, 9-10=-40, 17-33=-20, 33-34=-50, 34-35=-20, 35-36=-50, 22-36=-20, 18-19=-30
Horz: 1-17=16, 1-4=8, 5-9=6, 9-10=10
- 20) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-44, 4-5=-34, 5-9=-58, 9-10=-55, 17-33=-20, 33-34=-50, 34-35=-20, 35-36=-50, 22-36=-20, 18-19=-30
Horz: 1-17=-6, 1-4=-6, 5-9=-8, 9-10=-5
- 21) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-34, 4-29=-34, 5-29=-44, 5-9=-44, 9-10=-40, 17-33=-20, 33-34=-50, 34-35=-20, 35-36=-50, 22-36=-20, 18-19=-30
Horz: 1-17=15, 1-4=-16, 5-9=6, 9-10=10
- 22) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-44, 4-29=-44, 5-29=-34, 5-9=-34, 9-10=-30, 17-33=-20, 33-34=-50, 34-35=-20, 35-36=-50, 22-36=-20, 18-19=-30
Horz: 1-17=-5, 1-4=-6, 5-9=16, 9-10=20
- 25) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-50, 4-5=-50, 5-10=-20, 17-33=-20, 33-34=-50, 34-35=-20, 35-36=-50, 22-36=-20, 18-19=-30
- 26) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-20, 4-5=-50, 5-10=-50, 17-33=-20, 33-34=-50, 34-35=-20, 35-36=-50, 22-36=-20, 18-19=-30

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

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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	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek
MASTERFRENCH	A11	HIP	1	1	150128722

Builders FirstSource (Apex, NC), Apex, NC - 27523,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:15:34 2022 Page 1

ID: J_Pa_WGnqUPCVLHsc?23YyoL3v-eFWEiaqplfquloh8Bb2kgwu79K_Fj2V44h?2pznDF7



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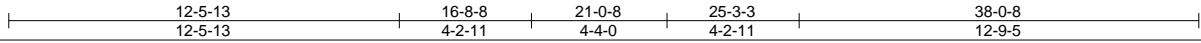
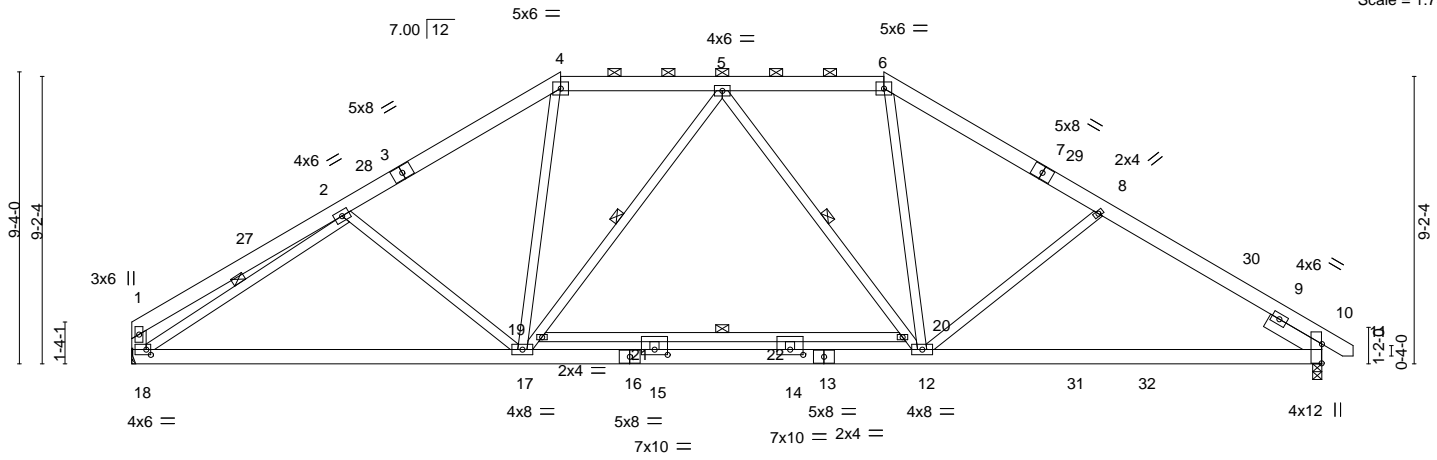


Plate Offsets (X,Y)-- [10:0-7-6,0-0-2], [18:0-1-12,0-2-0], [21:0-5-0,0-2-0], [22:0-5-0,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.65	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.45	Vert(LL) -0.40 14-15 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.64	Vert(CT) -0.53 14-15 >862 240		
BCDL 10.0	Rep Stress Incr NO	Matrix-MS	Horz(CT) 0.07 10 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.05 14 >999 240	Weight: 304 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2
 BOT CHORD 2x6 SP DSS
 WEBS 2x4 SP No.3 *Except*
 1-18: 2x6 SP No.2, 19-20: 2x4 SP No.2
 SLIDER Right 2x6 SP No.2 1-11-12

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-9-10 oc purlins, except end verticals, and 2-0-0 oc purlins (5-8-4 max.): 4-6.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 5-17, 5-12, 2-18, 19-20

REACTIONS.

(size) 18=Mechanical, 10=0-3-8
 Max Horz 18=-183(LC 10)
 Max Uplift 18=-51(LC 12), 10=-66(LC 13)
 Max Grav 18=1516(LC 2), 10=1597(LC 2)

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

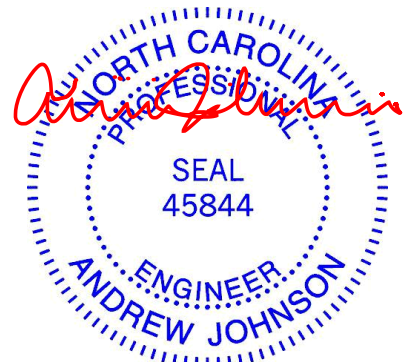
TOP CHORD 1-18=-422/64, 1-2=-554/47, 2-4=-2054/148, 4-5=-1606/165, 5-6=-1655/168, 6-8=-2084/146, 8-10=-2313/150
 BOT CHORD 17-18=-134/1828, 15-17=0/1753, 14-15=0/1753, 12-14=0/1753, 10-12=-47/1905
 WEBS 4-17=0/819, 17-19=-372/161, 5-19=-351/160, 5-20=-322/163, 12-20=-320/162, 6-12=0/810, 8-12=-296/187, 2-18=-1776/116

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCCL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-2-12 to 4-0-6, Interior(1) 4-0-6 to 13-8-8, Exterior(2) 13-8-8 to 18-10-8, Interior(1) 18-10-8 to 24-0-8, Exterior(2) 24-0-8 to 29-5-1, Interior(1) 29-5-1 to 38-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 18, 10.
- n/a
- 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

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-4=-60, 4-6=-60, 6-11=-60, 18-23=-20



February 9, 2022

Continued on page 2

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818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek 150128722
MASTERFRENCH	A11	HIP	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:15:34 2022 Page 2
ID:J_Pa_WGnqUPCVVLHsc?23YyoL3v-eFWEiaqplfquloh8Bb2kgwu79K_Fj2V44h?2pznDF7

LOAD CASE(S) Standard

- 2) Dead + 0.75 Roof Live (balanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-50, 4-6=-50, 6-11=-50, 18-31=-20, 31-32=-50, 23-32=-20, 19-20=-30
- 3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-20, 4-6=-20, 6-11=-20, 18-23=-40, 19-20=-40
- 18) Dead + Uninhabitable Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-20, 4-6=-20, 6-11=-20, 18-31=-20, 31-32=-60, 23-32=-20, 19-20=-40
- 19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-58, 4-6=-34, 6-10=-44, 10-11=-40, 18-31=-20, 31-32=-50, 23-32=-20, 19-20=-30
Horz: 1-18=16, 1-4=8, 6-10=6, 10-11=10
Drag: 4-5=0, 5-6=-0
- 20) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-44, 4-6=-34, 6-10=-58, 10-11=-55, 18-31=-20, 31-32=-50, 23-32=-20, 19-20=-30
Horz: 1-18=-6, 1-4=-6, 6-10=8, 10-11=-5
Drag: 4-5=0, 5-6=-0
- 21) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-34, 4-5=-34, 5-6=-44, 6-10=-44, 10-11=-40, 18-31=-20, 31-32=-50, 23-32=-20, 19-20=-30
Horz: 1-18=15, 1-4=-16, 6-10=6, 10-11=10
Drag: 4-5=0, 5-6=-0
- 22) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-44, 4-5=-44, 5-6=-34, 6-10=-34, 10-11=-30, 18-31=-20, 31-32=-50, 23-32=-20, 19-20=-30
Horz: 1-18=-5, 1-4=-6, 6-10=16, 10-11=20
Drag: 4-5=0, 5-6=-0
- 25) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-50, 4-6=-50, 6-11=-20, 18-31=-20, 31-32=-50, 23-32=-20, 19-20=-30
- 26) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-20, 4-6=-50, 6-11=-50, 18-31=-20, 31-32=-50, 23-32=-20, 19-20=-30

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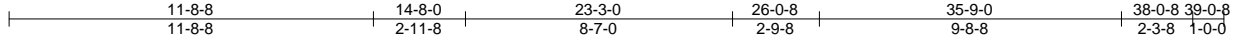


818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek
MASTERFRENCH	A12T	HIP	1	1	150128723

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:15:35 2022 Page 1

ID: J_Pa_WGnqUPCVVLHsc?23YyoL3v-6S4cvwrRWzylwXthv6HHS_iZcB_5nflkQZaFznDF6



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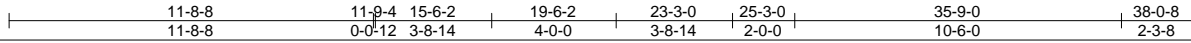
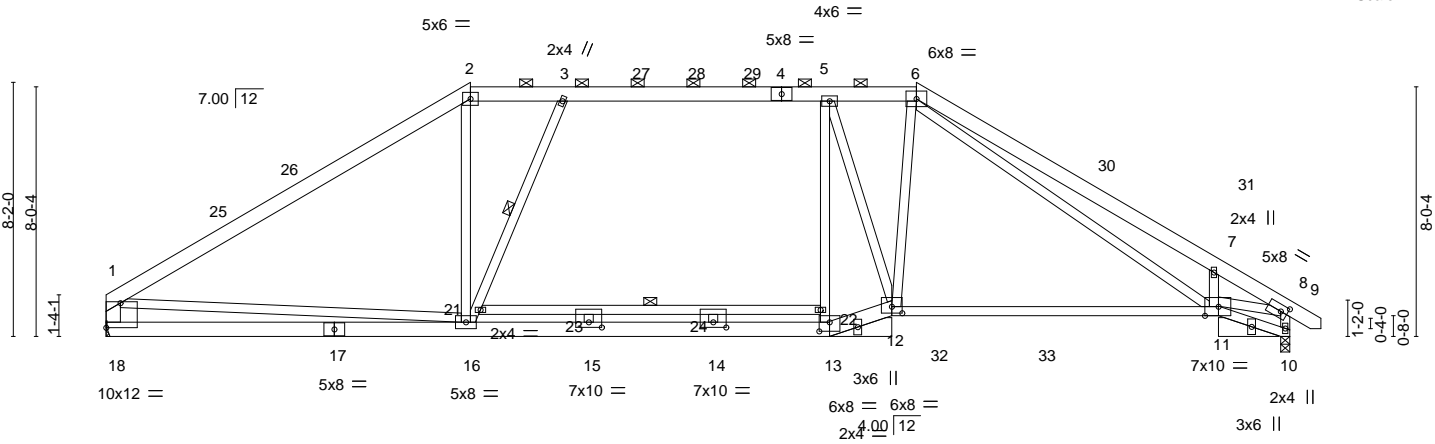


Plate Offsets (X,Y)-- [8:0-2-9,0-2-8], [11:0-5-4,Edge], [12:0-4-0,0-2-8], [13:0-4-0,0-3-8], [18:Edge,0-9-8], [23:0-5-0,0-2-0], [24:0-5-0,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.98	Vert(LL) -0.40	11-12	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.71	Vert(CT) -0.80	11-12	>567	240		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.99	Horz(CT) 0.10	10	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS	Wind(LL) 0.14	13	>999	240		
							Weight: 303 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2 *Except*
1-2: 2x6 SP DSS
BOT CHORD 2x6 SP No.2 *Except*
11-12: 2x4 SP SS, 10-11: 2x4 SP No.2, 13-17: 2x6 SP DSS
13-19,10-20: 2x8 SP DSS
WEBS 2x4 SP No.3 *Except*
1-18: 2x6 SP No.2, 8-10,21-22: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-7-0 oc purlins, except end verticals, and 2-0-0 oc purlins (4-6-4 max.): 2-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-16, 21-22

REACTIONS.

(size) 18=Mechanical, 10=0-3-8
Max Horz 18=-168(LC 8)
Max Uplift 18=-55(LC 12), 10=-71(LC 13)
Max Grav 18=1534(LC 2), 10=1618(LC 2)

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

TOP CHORD 1-18=-1457/121, 1-2=-2243/121, 2-3=-1807/162, 3-5=-1984/183, 5-6=-2026/169,
6-7=-2954/358, 7-8=-2799/136, 8-10=-1653/68
BOT CHORD 16-18=-198/701, 15-16=-5/1992, 14-15=-5/1992, 13-14=-5/1992, 12-13=0/2069,
11-12=0/1952
WEBS 16-21=-687/260, 3-21=-642/261, 13-22=-454/82, 5-22=-452/85, 5-12=-198/335,
6-12=-140/824, 6-11=-270/808, 8-11=-130/2402, 7-11=-468/283, 2-16=-93/955,
1-16=-61/1315

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCCL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-2-12 to 4-0-6, Interior(1) 4-0-6 to 11-8-8, Exterior(2) 11-8-8 to 17-1-1, Interior(1) 17-1-1 to 26-0-8, Exterior(2) 26-0-8 to 31-5-1, Interior(1) 31-5-1 to 38-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- 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) 18, 10.
- n/a
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



February 9, 2022

LOAD CASE(S) Standard

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

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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	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek I50128723
MASTERFRENCH	A12T	HIP	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:15:35 2022 Page 2
ID:J_Pa_WGnqUPCVVLHsc?23YyoL3v-6S4cvwrRWzylwXlthv6HHIS_jZcB_5nflkQZaFznDF6

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-60, 2-6=-60, 6-8=-60, 8-9=-60, 13-18=-20, 12-13=-20, 11-12=-20, 10-11=-20
- 2) Dead + 0.75 Roof Live (balanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-50, 2-6=-50, 6-8=-50, 8-9=-50, 13-18=-20, 12-13=-20, 12-32=-20, 32-33=-50, 11-33=-20, 10-11=-20, 21-22=-30
- 3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-20, 2-6=-20, 6-8=-20, 8-9=-20, 13-18=-40, 12-13=-40, 11-12=-40, 10-11=-40, 21-22=-40
- 18) Dead + Uninhabitable Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-20, 2-6=-20, 6-8=-20, 8-9=-20, 13-18=-20, 12-13=-20, 12-32=-20, 32-33=-60, 11-33=-20, 10-11=-20, 21-22=-40
- 19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-58, 2-6=-34, 6-8=-44, 8-9=-40, 13-18=-20, 12-13=-20, 12-32=-20, 32-33=-50, 11-33=-20, 10-11=-20, 21-22=-30
Horz: 1-18=16, 1-2=8, 6-8=6, 8-9=10, 8-10=6
Drag: 2-3=0, 5-6=-0
- 20) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-44, 2-6=-34, 6-8=-58, 8-9=-55, 13-18=-20, 12-13=-20, 12-32=-20, 32-33=-50, 11-33=-20, 10-11=-20, 21-22=-30
Horz: 1-18=-6, 1-2=-6, 6-8=-8, 8-9=-5, 8-10=-16
Drag: 2-3=0, 5-6=-0
- 21) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-34, 2-28=-34, 6-28=-44, 6-8=-44, 8-9=-40, 13-18=-20, 12-13=-20, 12-32=-20, 32-33=-50, 11-33=-20, 10-11=-20, 21-22=-30
Horz: 1-18=15, 1-2=-16, 6-8=6, 8-9=10, 8-10=5
Drag: 2-3=0, 5-6=-0
- 22) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-44, 2-28=-44, 6-28=-34, 6-8=-34, 8-9=30, 13-18=-20, 12-13=-20, 12-32=-20, 32-33=-50, 11-33=-20, 10-11=-20, 21-22=-30
Horz: 1-18=-5, 1-2=-6, 6-8=16, 8-9=20, 8-10=-15
Drag: 2-3=0, 5-6=-0
- 25) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-50, 2-6=-50, 6-8=-20, 8-9=-20, 13-18=-20, 12-13=-20, 12-32=-20, 32-33=-50, 11-33=-20, 10-11=-20, 21-22=-30
- 26) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-20, 2-6=-50, 6-8=-50, 8-9=-50, 13-18=-20, 12-13=-20, 12-32=-20, 32-33=-50, 11-33=-20, 10-11=-20, 21-22=-30

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

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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	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek I50128724
MASTERFRENCH	A13T	HIP	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:15:36 2022 Page 2
ID:J_Pa_WGnqUPCVVLHsc?23YyoL3v-ae_6Gs3GH4cY5t3FceWp5?FGzyVjfoXOA66hznDF5

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-60, 2-6=-60, 6-8=-60, 8-9=-60, 13-18=-20, 12-13=-20, 11-12=-20, 10-11=-20
- 2) Dead + 0.75 Roof Live (balanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-50, 2-6=-50, 6-8=-50, 8-9=-50, 18-31=-20, 31-32=-50, 13-32=-20, 12-13=-20, 12-33=-20, 33-34=-50, 11-34=-20, 10-11=-20, 21-22=-30
- 3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-20, 2-6=-20, 6-8=-20, 8-9=-20, 13-18=-40, 12-13=-40, 11-12=-40, 10-11=-40, 21-22=-40
- 18) Dead + Uninhabitable Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-20, 2-6=-20, 6-8=-20, 8-9=-20, 18-31=-20, 31-32=-60, 13-32=-20, 12-13=-20, 12-33=-20, 33-34=-60, 11-34=-20, 10-11=-20, 21-22=-40
- 19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-58, 2-6=-34, 6-8=-44, 8-9=-40, 18-31=-20, 31-32=-50, 13-32=-20, 12-13=-20, 12-33=-20, 33-34=-50, 11-34=-20, 10-11=-20, 21-22=-30
Horz: 1-18=16, 1-2=8, 6-8=6, 8-9=10, 8-10=6
Drag: 2-3=0, 5-6=-0
- 20) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-44, 2-6=-34, 6-8=-58, 8-9=-55, 18-31=-20, 31-32=-50, 13-32=-20, 12-13=-20, 12-33=-20, 33-34=-50, 11-34=-20, 10-11=-20, 21-22=-30
Horz: 1-18=-6, 1-2=-6, 6-8=-8, 8-9=-5, 8-10=-16
Drag: 2-3=0, 5-6=-0
- 21) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-34, 2-27=-34, 6-27=-44, 6-8=-44, 8-9=-40, 18-31=-20, 31-32=-50, 13-32=-20, 12-13=-20, 12-33=-20, 33-34=-50, 11-34=-20, 10-11=-20, 21-22=-30
Horz: 1-18=15, 1-2=-16, 6-8=6, 8-9=10, 8-10=5
Drag: 2-3=0, 5-6=-0
- 22) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-44, 2-27=-44, 6-27=-34, 6-8=-34, 8-9=30, 18-31=-20, 31-32=-50, 13-32=-20, 12-13=-20, 12-33=-20, 33-34=-50, 11-34=-20, 10-11=-20, 21-22=-30
Horz: 1-18=-5, 1-2=-6, 6-8=16, 8-9=20, 8-10=-15
Drag: 2-3=0, 5-6=-0
- 25) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-50, 2-6=-50, 6-8=-20, 8-9=-20, 18-31=-20, 31-32=-50, 13-32=-20, 12-13=-20, 12-33=-20, 33-34=-50, 11-34=-20, 10-11=-20, 21-22=-30
- 26) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-20, 2-6=-50, 6-8=-50, 8-9=-50, 18-31=-20, 31-32=-50, 13-32=-20, 12-13=-20, 12-33=-20, 33-34=-50, 11-34=-20, 10-11=-20, 21-22=-30

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek 150128725
MASTERFRENCH	A14T	HIP	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:15:38 2022 Page 2
ID:J_Pa_WGnqUPCVVLHsc?23YyoL3v-W1mkXyuJouKKnP1SN1g_vW4cmmdCBUY5_ifDBaznDF3

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-60, 2-6=-60, 6-8=-60, 8-9=-60, 13-18=-20, 12-13=-20, 11-12=-20, 10-11=-20
- 2) Dead + 0.75 Roof Live (balanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-50, 2-6=-50, 6-8=-50, 8-9=-50, 18-31=-20, 31-32=-50, 13-32=-20, 12-13=-20, 11-12=-20, 10-11=-20, 21-22=-30
- 3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-20, 2-6=-20, 6-8=-20, 8-9=-20, 13-18=-40, 12-13=-40, 11-12=-40, 10-11=-40, 21-22=-40
- 18) Dead + Uninhabitable Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-20, 2-6=-20, 6-8=-20, 8-9=-20, 18-31=-20, 31-32=-60, 13-32=-20, 12-13=-20, 11-12=-20, 10-11=-20, 21-22=-40
- 19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-58, 2-6=-34, 6-8=-44, 8-9=-40, 18-31=-20, 31-32=-50, 13-32=-20, 12-13=-20, 11-12=-20, 10-11=-20, 21-22=-30
Horz: 1-18=16, 1-2=8, 6-8=6, 8-9=10, 8-10=6
Drag: 2-3=0, 5-6=-0
- 20) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-44, 2-6=-34, 6-8=-58, 8-9=-55, 18-31=-20, 31-32=-50, 13-32=-20, 12-13=-20, 11-12=-20, 10-11=-20, 21-22=-30
Horz: 1-18=-6, 1-2=-6, 6-8=-8, 8-9=-5, 8-10=-16
Drag: 2-3=0, 5-6=-0
- 21) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-34, 2-28=-34, 6-28=-44, 6-8=-44, 8-9=-40, 18-31=-20, 31-32=-50, 13-32=-20, 12-13=-20, 11-12=-20, 10-11=-20, 21-22=-30
Horz: 1-18=15, 1-2=-16, 6-8=6, 8-9=10, 8-10=5
Drag: 2-3=0, 5-6=-0
- 22) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-44, 2-28=-44, 6-28=-34, 6-8=-34, 8-9=30, 18-31=-20, 31-32=-50, 13-32=-20, 12-13=-20, 11-12=-20, 10-11=-20, 21-22=-30
Horz: 1-18=-5, 1-2=-6, 6-8=16, 8-9=20, 8-10=-15
Drag: 2-3=0, 5-6=-0
- 25) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-50, 2-6=-50, 6-8=-20, 8-9=-20, 18-31=-20, 31-32=-50, 13-32=-20, 12-13=-20, 11-12=-20, 10-11=-20, 21-22=-30
- 26) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-20, 2-6=-50, 6-8=-50, 8-9=-50, 18-31=-20, 31-32=-50, 13-32=-20, 12-13=-20, 11-12=-20, 10-11=-20, 21-22=-30

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Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



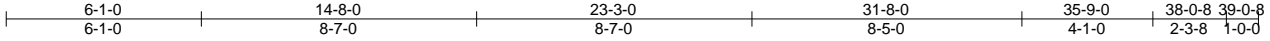
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek
MASTERFRENCH	A15T	HIP	1	1	150128726

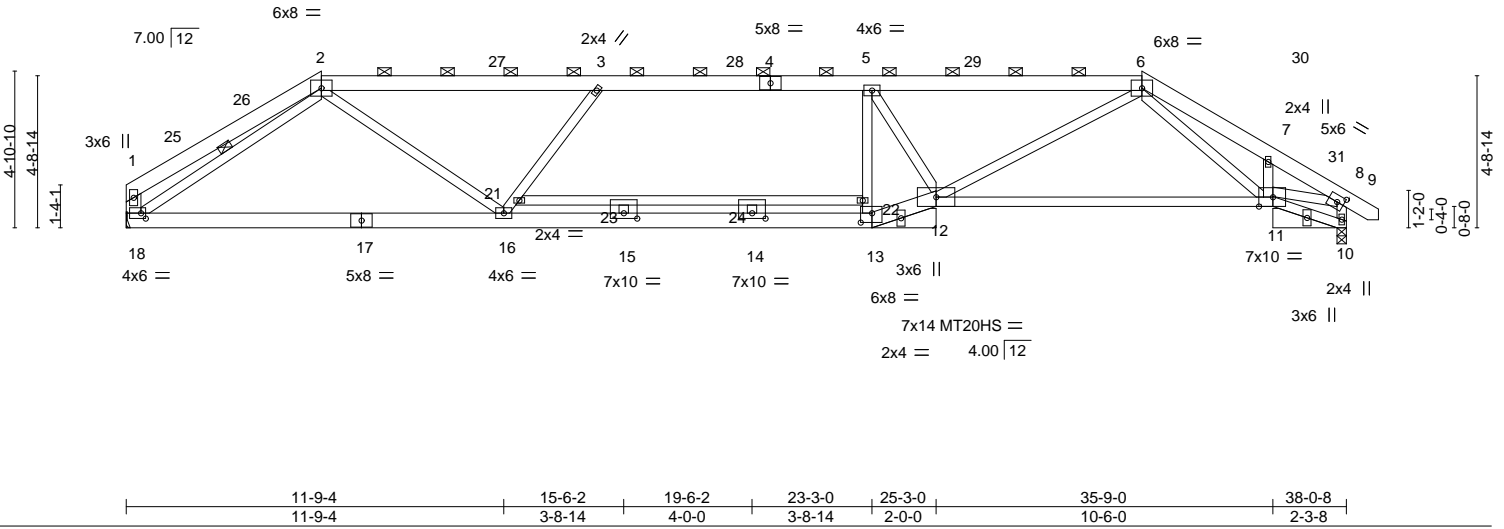
Builders FirstSource (Apex, NC), Apex, NC - 27523,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:15:39 2022 Page 1

ID: J_Pa_WGnqUPCVVLHsc?23YyoL3v-?DK7IluxZCSBPZcewIBDRjdxAWlwxCEDMOMj0znDF2



Scale = 1:71.8



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.73	Vert(LL) -0.45 11-12 >999 360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.92	Vert(CT) -0.89 11-12 >510 240	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr NO	WB 0.84	Horz(CT) 0.11 10 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS	Wind(LL) 0.23 13 >999 240		
				Weight: 269 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-7-2 oc purlins, except end verticals, and 2-0-0 oc purlins (3-1-13 max.): 2-6.
BOT CHORD 2x6 SP No.2 *Except* 11-12: 2x4 SP SS, 10-11: 2x4 SP No.2, 13-17: 2x6 SP DSS	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3 *Except* 1-18: 2x6 SP No.2, 8-10,21-22: 2x4 SP No.2	WEBS 1 Row at midpt 2-18
REACTIONS. (size) 18=Mechanical, 10=0-3-8 Max Horz 18=-104(LC 8) Max Uplift 18=-62(LC 12), 10=-78(LC 13) Max Grav 18=1506(LC 1), 10=1566(LC 1)	

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-18=-389/79, 1-2=-507/80, 2-3=-3009/121, 3-5=-3383/214, 5-6=-3482/176, 6-7=-2415/146, 7-8=-2507/73, 8-10=-1604/88
BOT CHORD 16-18=-153/1763, 15-16=-211/3309, 14-15=-211/3309, 13-14=-211/3309, 12-13=-226/3476, 11-12=-76/2094
WEBS 2-16=-38/1700, 16-21=-698/211, 3-21=-742/223, 13-22=-817/123, 5-22=-840/127, 5-12=-21/401, 6-12=-104/1661, 2-18=-1805/181, 8-11=-8/2027

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCCL=6.0psf; BCCL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-2-12 to 4-0-6, Interior(1) 4-0-6 to 6-1-0, Exterior(2) 6-1-0 to 11-5-9, Interior(1) 11-5-9 to 31-8-0, Exterior(2) 31-8-0 to 37-0-9, Interior(1) 37-0-9 to 38-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates 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.
 - Refer to girder(s) for truss to truss connections.
 - 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) 18, 10.
 - n/a
- 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



February 9, 2022

LOAD CASE(S) Standard
Continued on page 2

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

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ENGINEERING BY
TRENCO
A MiTek Affiliate

818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek 150128726
MASTERFRENCH	A15T	HIP	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:15:39 2022 Page 2
ID:J_Pa_WGnqUPCVVLHsc?23YyoL3v-?DK7lluxZCSBPZcewlBDRjdxAwlwxCEDM0mjznDF2

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-60, 2-6=-60, 6-8=-60, 8-9=-60, 13-18=-20, 12-13=-20, 11-12=-20, 10-11=-20
- 2) Dead + 0.75 Roof Live (balanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-50, 2-6=-50, 6-8=-50, 8-9=-50, 13-18=-20, 12-13=-20, 11-12=-20, 10-11=-20, 21-22=-30
- 3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-20, 2-6=-20, 6-8=-20, 8-9=-20, 13-18=-40, 12-13=-40, 11-12=-40, 10-11=-40, 21-22=-40
- 18) Dead + Uninhabitable Attic Storage: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
Uniform Loads (plf)
Vert: 1-2=-20, 2-6=-20, 6-8=-20, 8-9=-20, 13-18=-20, 12-13=-20, 11-12=-20, 10-11=-20, 21-22=-40
- 19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-58, 2-6=-34, 6-8=-44, 8-9=-40, 13-18=-20, 12-13=-20, 11-12=-20, 10-11=-20, 21-22=-30
Horz: 1-18=16, 1-2=8, 6-8=6, 8-9=10, 8-10=6
Drag: 2-3=0, 5-6=-0
- 20) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-44, 2-6=-34, 6-8=-58, 8-9=-55, 13-18=-20, 12-13=-20, 11-12=-20, 10-11=-20, 21-22=-30
Horz: 1-18=-6, 1-2=-6, 6-8=-8, 8-9=-5, 8-10=-16
Drag: 2-3=0, 5-6=-0
- 21) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-34, 2-28=-34, 6-28=-44, 6-8=-44, 8-9=-40, 13-18=-20, 12-13=-20, 11-12=-20, 10-11=-20, 21-22=-30
Horz: 1-18=15, 1-2=-16, 6-8=6, 8-9=10, 8-10=5
Drag: 2-3=0, 5-6=-0
- 22) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-44, 2-28=-44, 6-28=-34, 6-8=-34, 8-9=30, 13-18=-20, 12-13=-20, 11-12=-20, 10-11=-20, 21-22=-30
Horz: 1-18=-5, 1-2=-6, 6-8=16, 8-9=20, 8-10=-15
Drag: 2-3=0, 5-6=-0
- 25) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-50, 2-6=-50, 6-8=-20, 8-9=-20, 13-18=-20, 12-13=-20, 11-12=-20, 10-11=-20, 21-22=-30
- 26) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-20, 2-6=-50, 6-8=-50, 8-9=-50, 13-18=-20, 12-13=-20, 11-12=-20, 10-11=-20, 21-22=-30

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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	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek
MASTERFRENCH	A16T-2PL	SPECIAL	1	2	150128727

Builders FirstSource (Apex, NC), Apex, NC - 27523,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:15:40 2022 Page 1

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Scale = 1:67.0

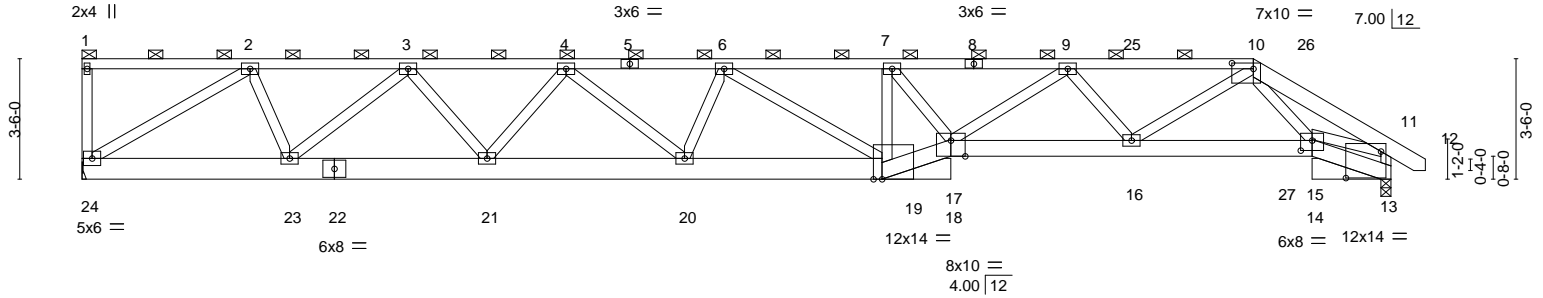


Plate Offsets (X,Y)--	[10:0-7-8,0-2-0], [13:1-0-4,0-9-4], [15:0-4-0,0-3-8], [17:0-5-0,Edge], [19:0-3-0,0-0-0]
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LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.77	Vert(LL) -0.36	19-20	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.43	Vert(CT) -0.73	19-20	>617	240		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.69	Horz(CT) 0.15	13	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS	Wind(LL) 0.28	19-20	>999	240		
							Weight: 534 lb	FT = 20%

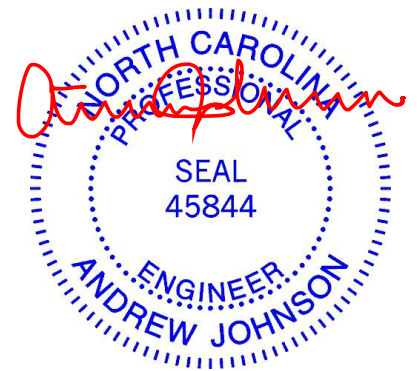
LUMBER-
TOP CHORD 2x4 SP No.1 *Except*
 1-5: 2x4 SP No.2, 10-12: 2x6 SP No.2
BOT CHORD 2x8 SP DSS *Except*
 17-19,15-17: 2x6 SP DSS, 13-15: 2x6 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (3-3-3 max.): 1-10.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 13-14.

REACTIONS. (size) 24=Mechanical, 13=0-3-8
 Max Horz 24=-100(LC 4)
 Max Uplift 24=-287(LC 4), 13=-198(LC 4)
 Max Grav 24=3435(LC 1), 13=3445(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5577/455, 3-4=-9018/720, 4-6=-10597/836, 6-7=-10957/874, 7-9=-11787/906, 9-10=-8450/631, 10-11=-5829/387, 11-13=-3388/218
BOT CHORD 23-24=-416/4642, 21-23=-669/7836, 20-21=-817/9844, 19-20=-871/10816, 17-19=-834/10844, 16-17=-758/9894, 15-16=-322/4832
WEBS 2-24=-5452/462, 2-23=-149/2656, 3-23=-3017/287, 3-21=-116/1967, 4-21=-1374/156, 4-20=-37/1006, 6-20=-576/109, 7-19=-2349/227, 7-17=-145/2299, 9-17=-160/2338, 9-16=-2398/276, 10-16=-328/4403, 11-15=-308/4695

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
 Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - 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.
 - Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCCL=6.0psf; BCCL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - All plates are 4x6 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.
 - Refer to girder(s) for truss to truss connections.
 - 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 24=287, 13=198.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



February 9, 2022

Continued on page 2

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818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek 150128727
MASTERFRENCH	A16T-2PL	SPECIAL	1	2	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:15:40 2022 Page 2
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NOTES-

- 12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 194 lb down and 15 lb up at 34-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-10=-95(F=-35), 10-26=-95(F=-35), 11-26=-60, 11-12=-60, 19-24=-85(F=-65), 17-19=-85(F=-65), 17-27=-85(F=-65), 15-27=-20, 13-15=-20, 18-19=-85(F=-65), 13-14=-20

Concentrated Loads (lb)

Vert: 27=-180(F)

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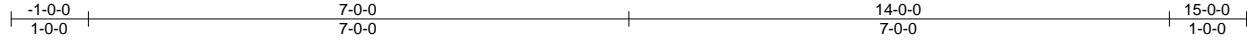


818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek
MASTERFRENCH	B01G	GABLE	1	1	150128728

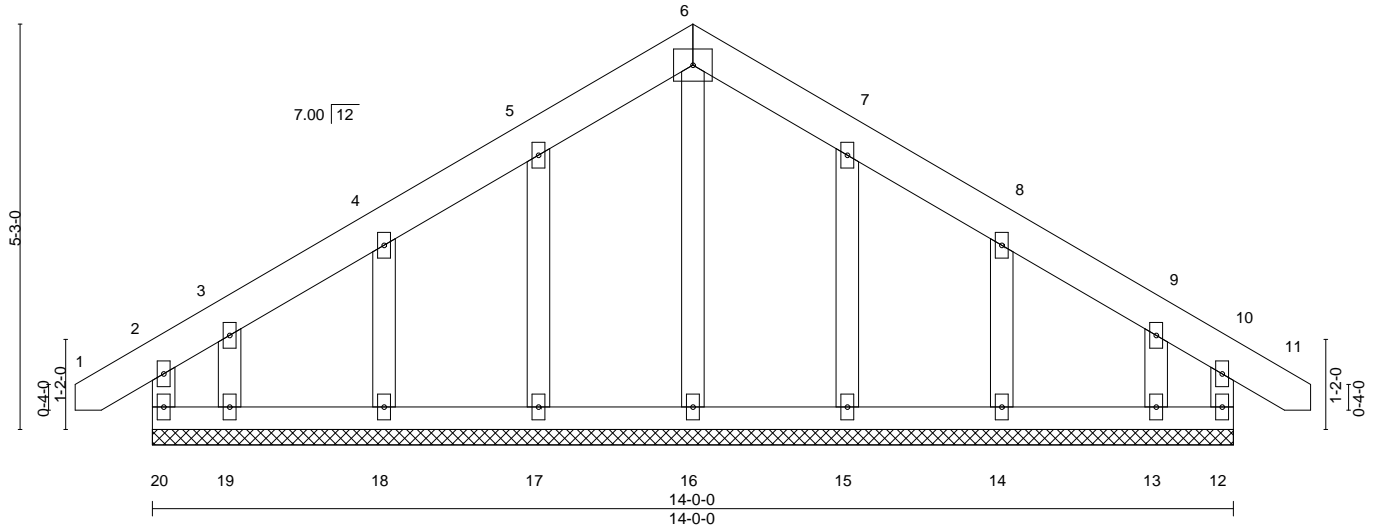
Builders FirstSource (Apex, NC), Apex, NC - 27523,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:15:41 2022 Page 1
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5x6 =

Scale = 1:29.8



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.05	Vert(LL)	-0.00	10	n/r	120	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.04	Vert(CT)	-0.00	10	n/r	120		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.05	Horz(CT)	0.00	12	n/a	n/a		
BCDL 10.0	Code	IRC2015/TPI2014	Matrix-R						Weight: 92 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
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 10-0-0 oc bracing.

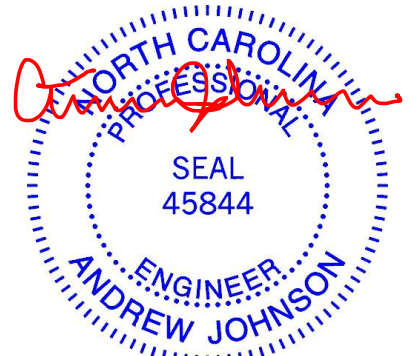
REACTIONS.

All bearings 14-0-0.
(lb) - Max Horz 20=-114(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 20, 12, 17, 18, 19, 15, 14, 13
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 7-10; Vult=115mph Vasd=91mph; TCCL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-10-0 to 2-2-0, Exterior(2) 2-2-0 to 7-0-0, Corner(3) 7-0-0 to 10-0-0, Exterior(2) 10-0-0 to 14-10-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- 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, 19, 15, 14, 13.



February 9, 2022

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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

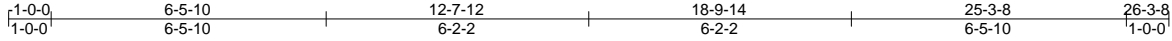


818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek
MASTERFRENCH	B02	COMMON	1	1	I50128729

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:15:43 2022 Page 1

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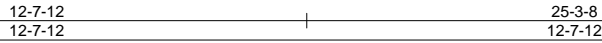
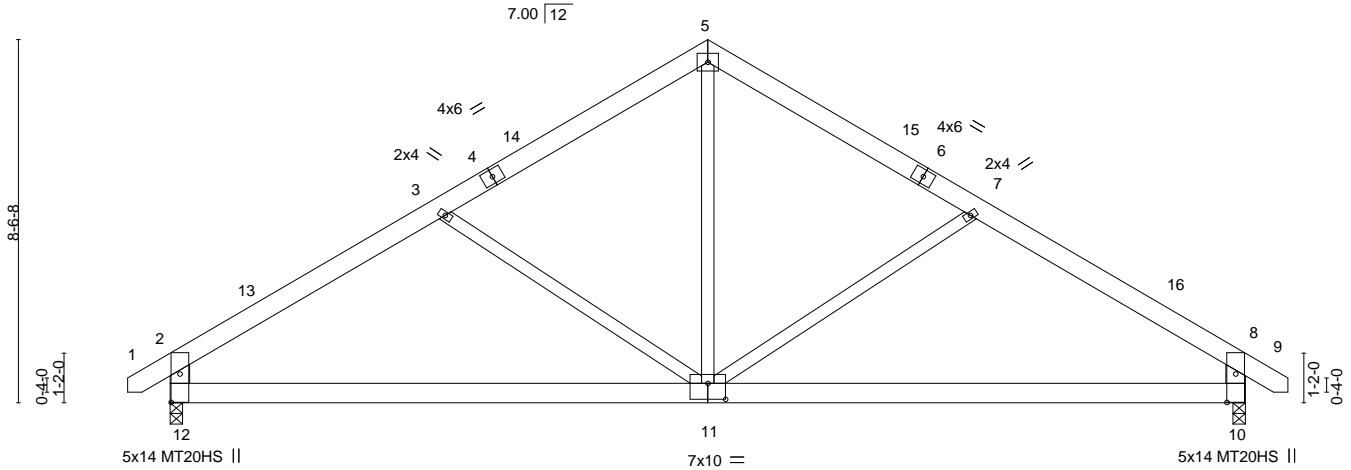


Plate Offsets (X,Y)-- [10:0-8-0,0-2-8], [11:0-5-0,0-4-8], [12:0-8-0,0-2-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.55	Vert(LL) -0.12	10-11	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.63	Vert(CT) -0.26	10-11	>999	240	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr YES	WB 0.32	Horz(CT) 0.03	10	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS	Wind(LL) 0.03	11	>999	240		
							Weight: 169 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2
 BOT CHORD 2x6 SP No.2
 WEBS 2x4 SP No.3 *Except*
 2-12,8-10: 2x6 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-5-11 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 12=0-3-8, 10=0-3-8
 Max Horz 12=178(LC 11)
 Max Grav 12=1057(LC 1), 10=1057(LC 1)

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

TOP CHORD 2-12=-928/121, 2-3=-1314/96, 3-5=-1004/82, 5-7=-1004/82, 7-8=-1314/96,
 8-10=-928/121
 BOT CHORD 11-12=-18/1020, 10-11=-3/1018
 WEBS 3-11=-290/156, 5-11=0/608, 7-11=-290/157

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-0 to 2-2-0, Interior(1) 2-2-0 to 12-7-12, Exterior(2) 12-7-12 to 16-10-11, Interior(1) 16-10-11 to 26-1-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- All plates are MT20 plates 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.



February 9, 2022

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

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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	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek
MASTERFRENCH	B02-3PL	COMMON	1	3	150128730

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:15:44 2022 Page 1

ID: J_Pa_WGnqUPCVVLHsc?23YyoL3v-LB70o?y4Ok4TVKUcJnP8nKYfBlhbBizNe6XNEznDEz



5x6 ||

Scale = 1:50.7

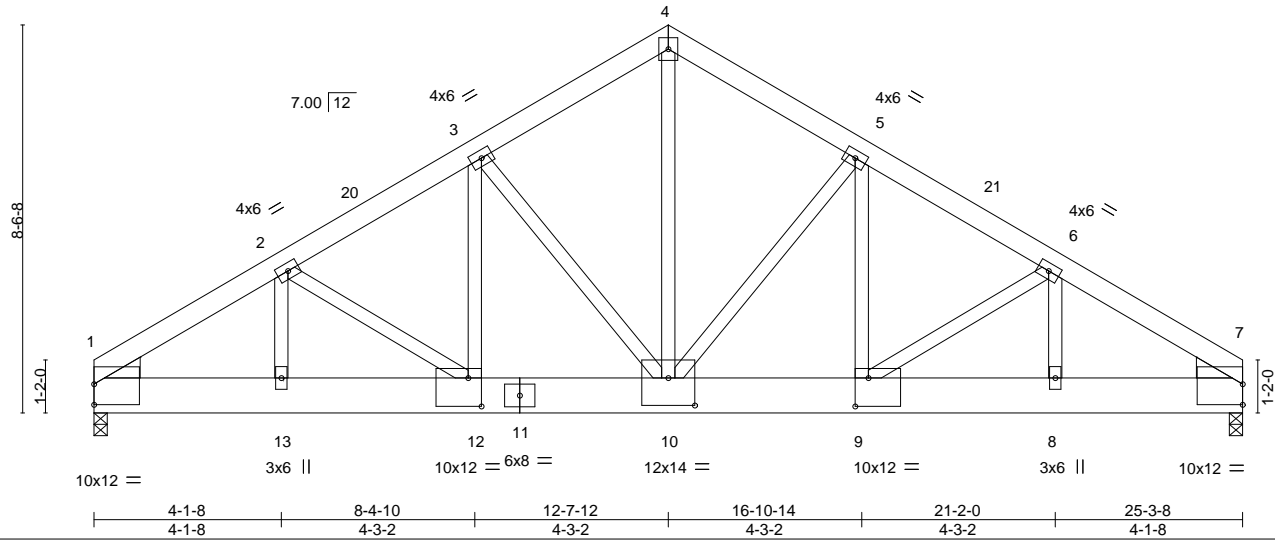


Plate Offsets (X,Y)-- [1:0-0-0,0-5-7], [7:0-0-0,0-5-7], [9:0-3-8,0-7-8], [10:0-7-0,0-7-4], [12:0-3-8,0-7-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.90	Vert(LL) -0.12	9	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.49	Vert(CT) -0.24	9	>999	240		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.85	Horz(CT) 0.06	7	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS	Wind(LL) 0.09	9	>999	240		
							Weight: 712 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x10 SP DSS
WEBS 2x4 SP No.2
WEDGE
Left: 2x6 SP No.2 , Right: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-11-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-3-8 (req. 0-4-5), 7=0-3-8 (req. 0-4-3)
Max Horz 1=145(LC 7)
Max Uplift 1=823(LC 8), 7=795(LC 9)
Max Grav 1=10923(LC 1), 7=10599(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-14097/1059, 2-3=-13353/1010, 3-4=-10695/837, 4-5=-10699/837, 5-6=-13937/1060, 6-7=-15531/1182
BOT CHORD 1-13=-942/11867, 12-13=-942/11867, 10-12=-847/11548, 9-10=-837/12070, 8-9=-954/13061, 7-8=-954/13061
WEBS 4-10=-797/10375, 5-10=-4617/420, 5-9=-394/4893, 6-9=-1243/186, 6-8=-143/1984, 3-10=-3773/348, 3-12=-316/3974, 2-12=-429/115, 2-13=-60/988

- NOTES-**
- 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 0-9-0 oc.
Bottom chords connected as follows: 2x10 - 4 rows staggered at 0-4-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - 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.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCCL=6.0psf; BCCL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 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.
 - WARNING: Required bearing size at joint(s) 1, 7 greater than input bearing size.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) 1=823, 7=795.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 3412 lb down and 290 lb up at 21-2-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

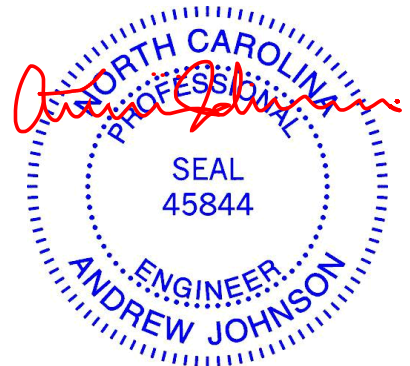
LOAD CASE(S) Standard

February 9, 2022

Continued on page 2

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

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek I50128730
MASTERFRENCH	B02-3PL	COMMON	1	3	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:15:44 2022 Page 2
ID:J_Pa_WGnqUPCVVLHsc?23YyoL3v-LB70o?y4Ok4TVKUCjInP8nKYfBlhbBizNe6XNEznDEz

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-60, 4-7=-60, 8-14=-780(B=-760), 8-17=-20
Concentrated Loads (lb)
Vert: 8=-3412(B)

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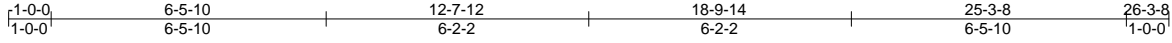


818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek
MASTERFRENCH	B02SG	GABLE	1	1	150128731

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:15:45 2022 Page 1

ID:J_Pa_WGnqUPCVLHsc?23YyoL3v-pNhO?Lzi92CK7U3oH?leh_tpyb3gKnr7clr5wgznDEy



5x6 =

Scale = 1:54.2

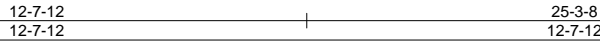
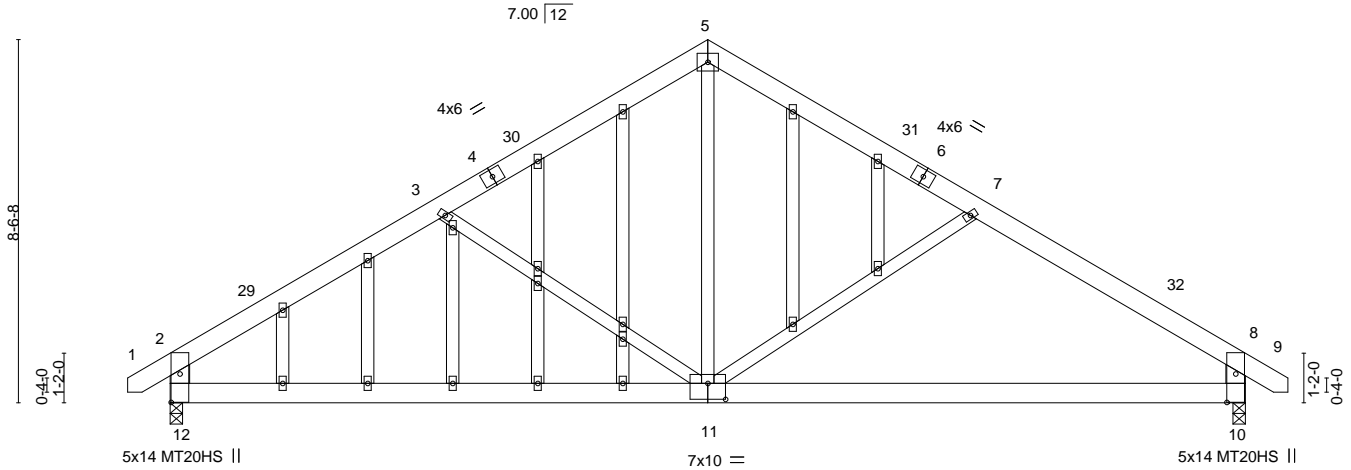


Plate Offsets (X,Y)-- [10:0-8-0,0-2-8], [11:0-5-0,0-4-8], [12:0-8-0,0-2-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.55	Vert(LL) -0.12	10-11	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.63	Vert(CT) -0.26	10-11	>999	240	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr YES	WB 0.32	Horz(CT) 0.03	10	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS	Wind(LL) 0.03	11	>999	240		
							Weight: 210 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2
 BOT CHORD 2x6 SP No.2
 WEBS 2x4 SP No.3 *Except*
 2-12,8-10: 2x6 SP No.2
 OTHERS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-5-11 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 12=0-3-8, 10=0-3-8
 Max Horz 12=178(LC 11)
 Max Grav 12=1057(LC 1), 10=1057(LC 1)

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

TOP CHORD 2-12=-928/121, 2-3=-1314/96, 3-5=-1004/82, 5-7=-1004/82, 7-8=-1314/96,
 8-10=-928/121
 BOT CHORD 11-12=-18/1020, 10-11=-3/1018
 WEBS 3-11=-290/156, 5-11=0/608, 7-11=-290/157

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCCL=6.0psf; BCCL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-0 to 2-2-0, Interior(1) 2-2-0 to 12-7-12, Exterior(2) 12-7-12 to 16-10-11, Interior(1) 16-10-11 to 26-1-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- All plates are MT20 plates unless otherwise indicated.
- All plates are 2x4 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.



February 9, 2022

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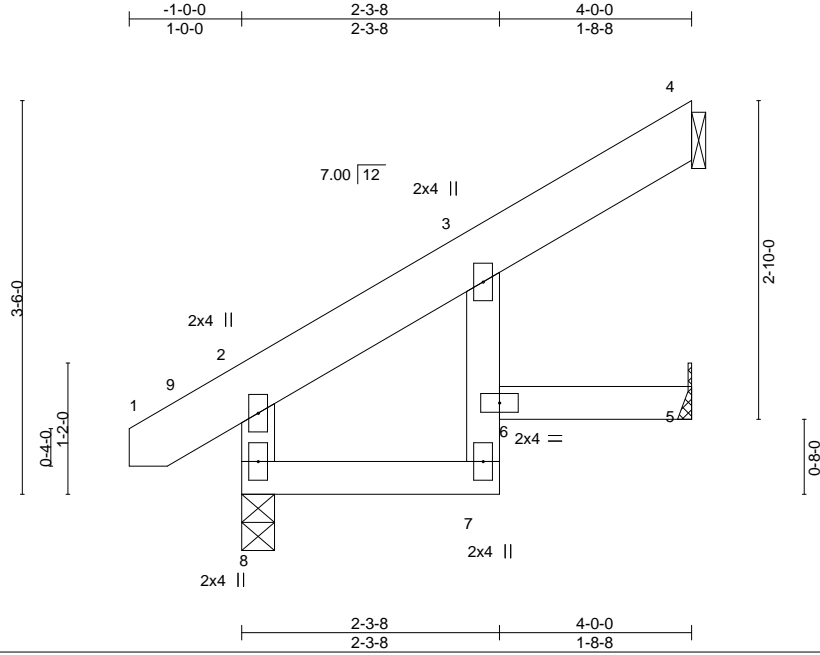
818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek
MASTERFRENCH	C01T	JACK	4	1	150128733

Builders FirstSource (Apex, NC), Apex, NC - 27523,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:15:46 2022 Page 1

ID:J_Pa_WGnqUPCVVLHsc?23YyoL3v-HZFMdh_KwLKBkee_rjptDCP5K?Xy3lcGqybeS6znDEx



Scale = 1:20.5

LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.12	Vert(LL)	-0.01	7	>999	360	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.06	Vert(CT)	-0.01	7	>999	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.03	Horz(CT)	0.01	4	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Wind(LL)	0.01	7	>999	240	Weight: 23 lb	FT = 20%
	Code IRC2015/TPI2014								

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2 *Except*	
3-7: 2x4 SP No.3	

REACTIONS. (size) 8=0-3-8, 4=Mechanical, 5=Mechanical
 Max Horz 8=74(LC 12)
 Max Uplift 4=-58(LC 12)
 Max Grav 8=218(LC 1), 4=135(LC 19), 5=36(LC 3)

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

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-0 to 2-1-12, Interior(1) 2-1-12 to 3-11-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 3) * 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.
 - 4) Refer to girder(s) for truss to truss connections.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4.



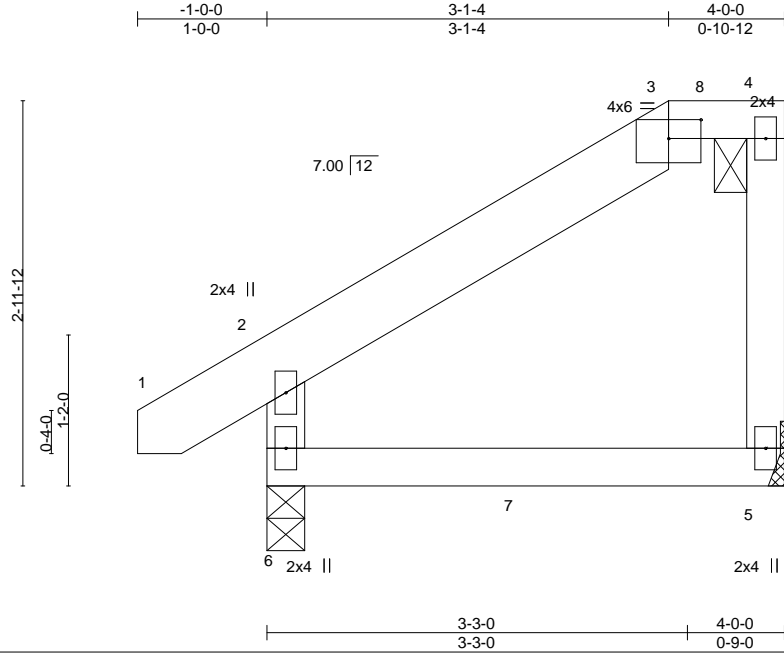
February 9, 2022

Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek
MASTERFRENCH	C02-1PL	MONO HIP	3	1	150128734

Builders FirstSource (Apex, NC), Apex, NC - 27523,

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ID:J_Pa_WGnqUPCVVLHsc?23YyoL3v-mmp8Q1?yhT2MnDBOQK6mPyGYOqJolIQ3cKB_ZznDEw



Scale = 1:17.8

Plate Offsets (X,Y)-- [3:0-3-0,0-1-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.09	Vert(LL) -0.01	5-6	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.24	Vert(CT) -0.02	5-6	>999	240		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.00	Horz(CT) -0.00	5	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MR	Wind(LL) 0.01	5-6	>999	240		
							Weight: 23 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*
1-3: 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-0-0 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.

REACTIONS.

(size) 6=0-3-8, 5=Mechanical
Max Horz 6=87(LC 5)
Max Uplift 6=-18(LC 8), 5=-30(LC 5)
Max Grav 6=255(LC 1), 5=181(LC 1)

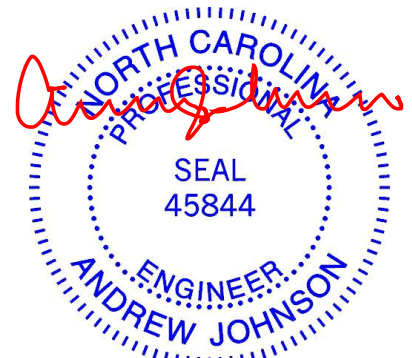
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 5.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 86 lb down and 7 lb up at 2-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 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

- Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 5-6=-20, 1-2=-60, 2-3=-60, 3-4=-60
Concentrated Loads (lb)
Vert: 7=-80(F)



February 9, 2022

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek
MASTERFRENCH	C02T-1PL	MONO HIP	1	1	150128735

Builders FirstSource (Apex, NC), Apex, NC - 27523,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:15:49 2022 Page 1

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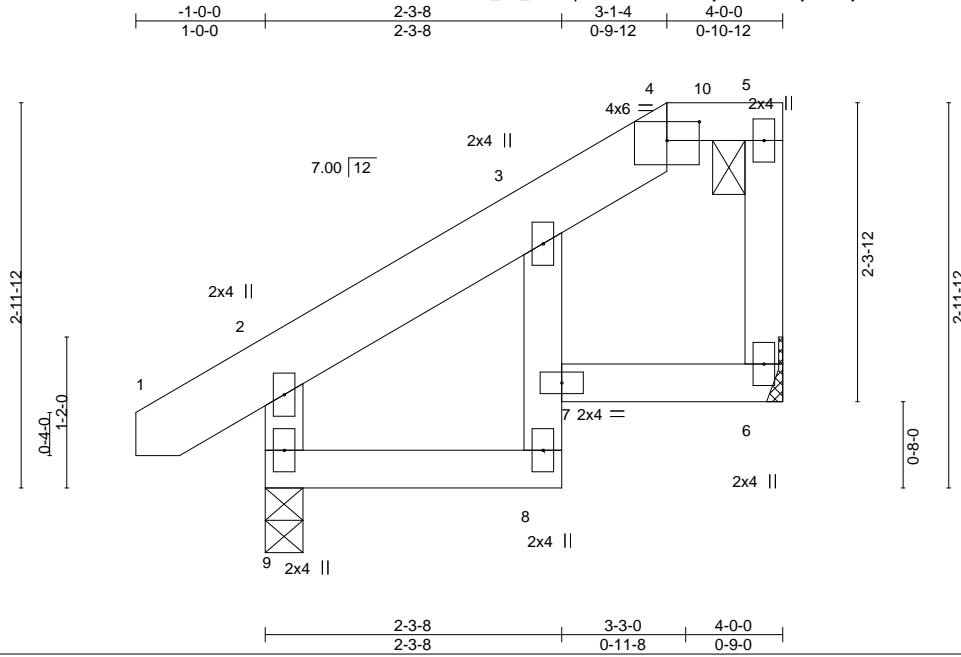


Plate Offsets (X,Y)-- [4:0-3-0,0-1-12]

LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.16	Vert(LL) -0.01	8	>999	360	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.08	Vert(CT) -0.01	8	>999	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.07	Horz(CT) 0.01	6	n/a	n/a		
BCDL 10.0	Rep Stress Incr NO	Matrix-MR	Wind(LL) 0.01	8	>999	240		
	Code IRC2015/TPI2014						Weight: 25 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*
1-4: 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-

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

REACTIONS.

(size) 9=0-3-8, 6=Mechanical
Max Horz 9=79(LC 5)
Max Uplift 9=-17(LC 8), 6=-30(LC 5)
Max Grav 9=252(LC 1), 6=184(LC 1)

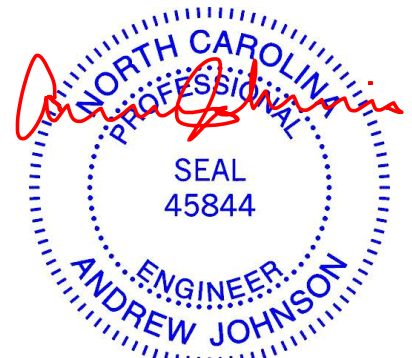
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 6.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 86 lb down and 7 lb up at 2-1-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 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

- Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 8-9=-20, 1-2=-60, 2-4=-60, 4-5=-60, 6-7=-20
Concentrated Loads (lb)
Vert: 8=-80(F)



February 9, 2022

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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

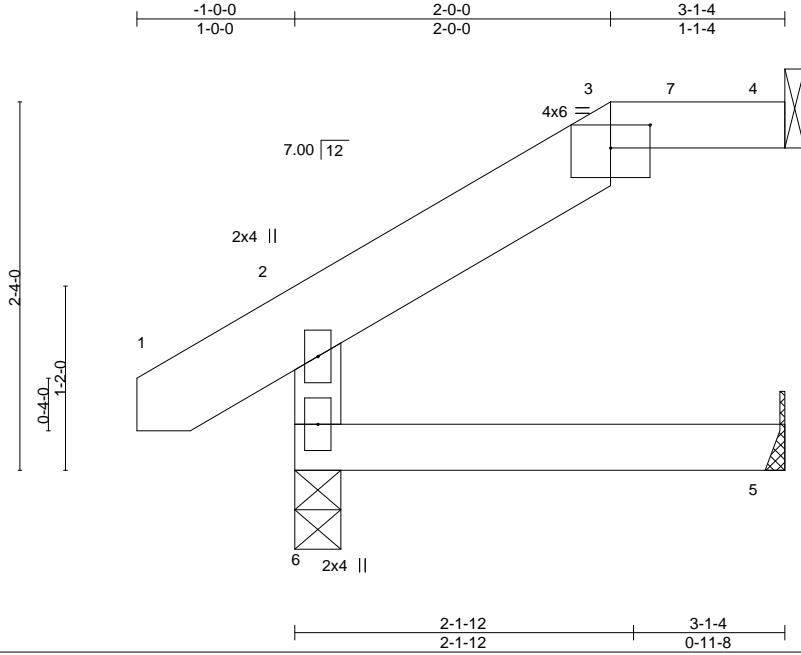


818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek
MASTERFRENCH	C03	MONO HIP	3	1	150128736

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:15:51 2022 Page 1

ID: J_Pa_WGnqUPCVLHsc?23YyoL3v-eX2fGO2TkuzUrPXydGP2wF7xJ0EnkZH?_EIP7KznDEs



Scale = 1:14.6

Plate Offsets (X,Y)-- [3:0-3-0,0-1-12]

LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	2-0-0	TC 0.11	Vert(LL) -0.00	-0.00	5-6	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15		BC 0.08	Vert(CT) -0.01	-0.01	5-6	>999	240		
BCLL 0.0 *	Rep Stress Incr YES		WB 0.00	Horz(CT) 0.01	0.01	4	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MR	Wind(LL) 0.00	0.00	5-6	>999	240	Weight: 16 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*
1-3: 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-1-4 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.

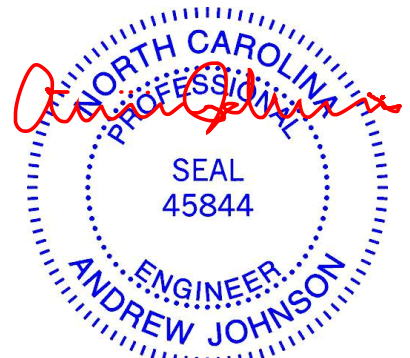
REACTIONS.

(size) 6=0-3-8, 5=Mechanical, 4=Mechanical
Max Horz 6=39(LC 12)
Max Uplift 6=-6(LC 12), 4=-30(LC 12)
Max Grav 6=184(LC 1), 5=52(LC 3), 4=78(LC 1)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- Refer to girder(s) for truss to truss connections.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 4.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



February 9, 2022

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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



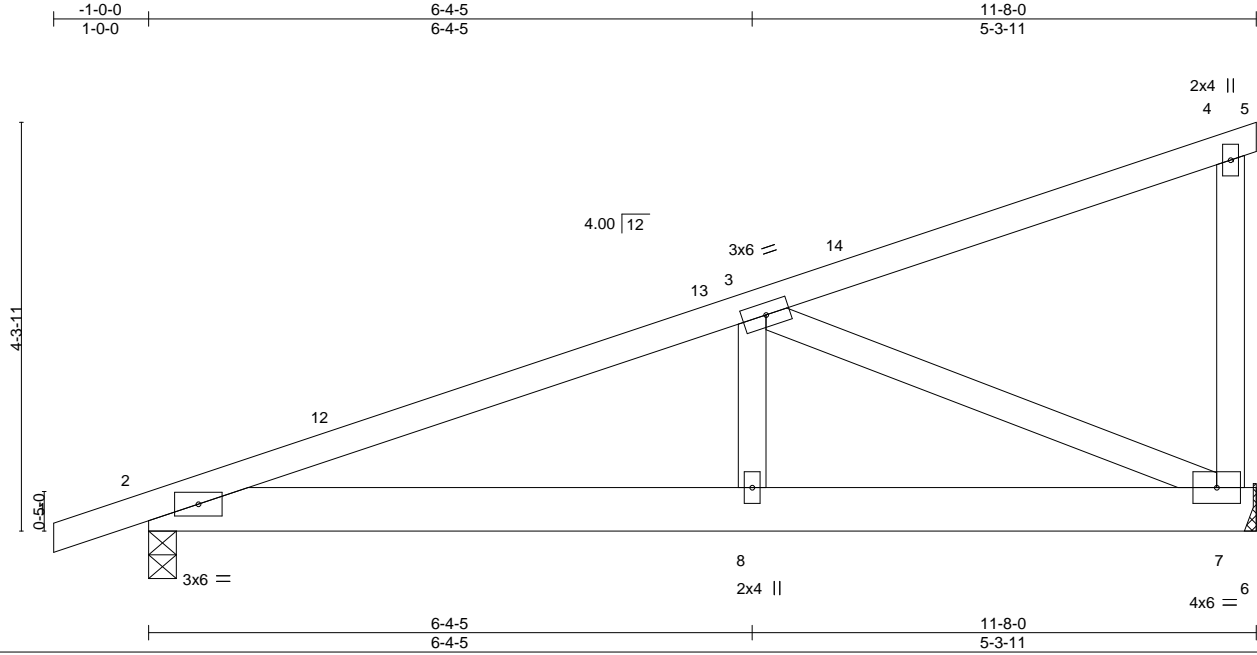
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek
MASTERFRENCH	D01	MONO TRUSS	5	1	150128737

Builders FirstSource (Apex, NC), Apex, NC - 27523,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:15:53 2022 Page 1

ID:J_Pa_WGnqUPCVLHsc?23YyoL3v-avAPh43jGVDB4igKlhrW0gCD0pr8CN4IRYnWCCznDEq



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.35	Vert(LL) -0.03	8-11	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.34	Vert(CT) -0.05	8-11	>999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.43	Horz(CT) 0.01	7	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS	Wind(LL) 0.02	8-11	>999	240		

Weight: 63 lb FT = 20%

LUMBER-

TOP CHORD 2x4 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.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 2=0-3-8, 7=Mechanical
 Max Horz 2=135(LC 11)
 Max Uplift 2=-59(LC 8), 7=-48(LC 8)
 Max Grav 2=518(LC 1), 7=464(LC 1)

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

TOP CHORD 2-3=-787/49
 BOT CHORD 2-8=-102/704, 7-8=-102/704
 WEBS 3-8=0/275, 3-7=-746/92

NOTES-

- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 11-8-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * 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.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 7.



February 9, 2022

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

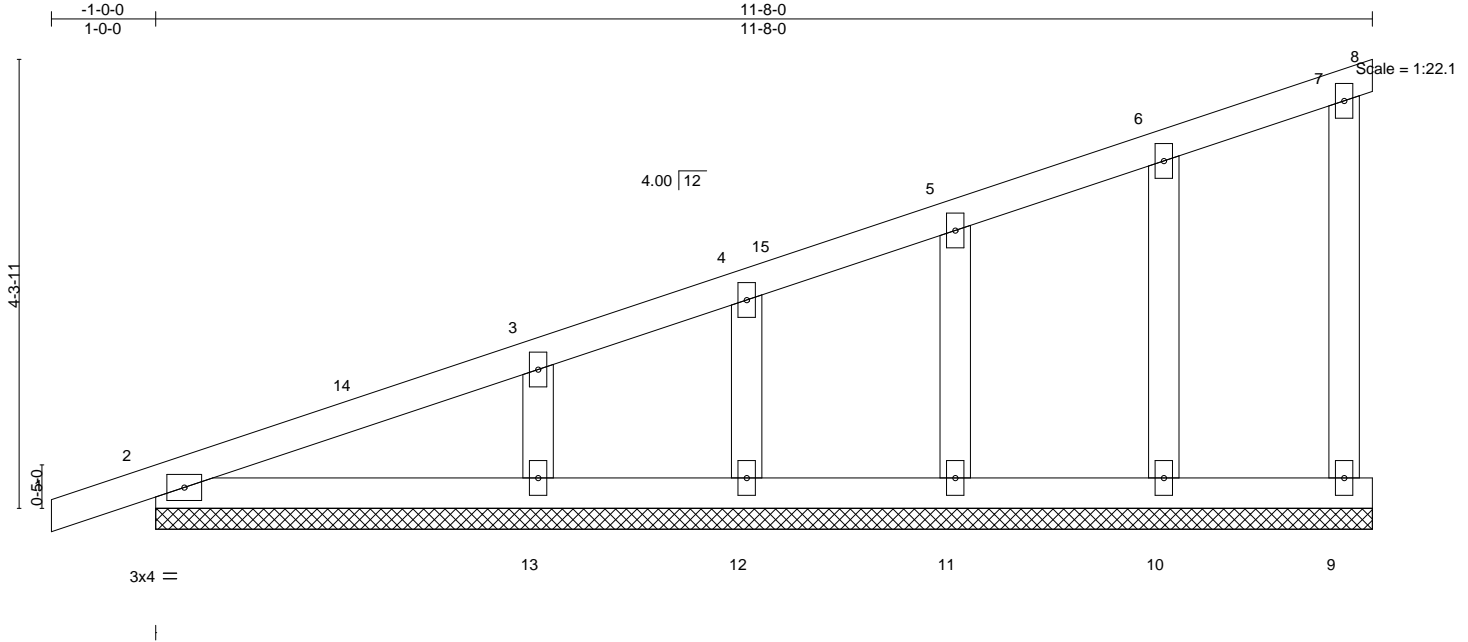
Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek
MASTERFRENCH	D01G	GABLE	1	1	I50128738
Builders FirstSource (Apex, NC), Apex, NC - 27523,					Job Reference (optional)

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:15:54 2022 Page 1
 ID:J_Pa_WGnqUPCVVLHsc?23YyoL3v-26knuQ4L1pL2isFXJOyIYulR2DFCxoSgCX3kfznDEp



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.14	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.09	Vert(CT)	0.00	1	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.04	Horz(CT)	-0.00	8	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S						Weight: 55 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, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 11-8-0.
 (lb) - Max Horz 2=137(LC 9)
 Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 9, 10, 11, 12, 13
 Max Grav All reactions 250 lb or less at joint(s) 2, 8, 9, 10, 11, 12 except 13=282(LC 1)

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

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 11-8-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) 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.
 - 3) All plates are 2x4 MT20 unless otherwise indicated.
 - 4) Gable requires continuous bottom chord bearing.
 - 5) Gable studs spaced at 2-0-0 oc.
 - 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) 2, 8, 9, 10, 11, 12, 13.



February 9, 2022

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ENGINEERING BY
TRENCO
 A MiTek Affiliate
 818 Soundside Road
 Edenton, NC 27932

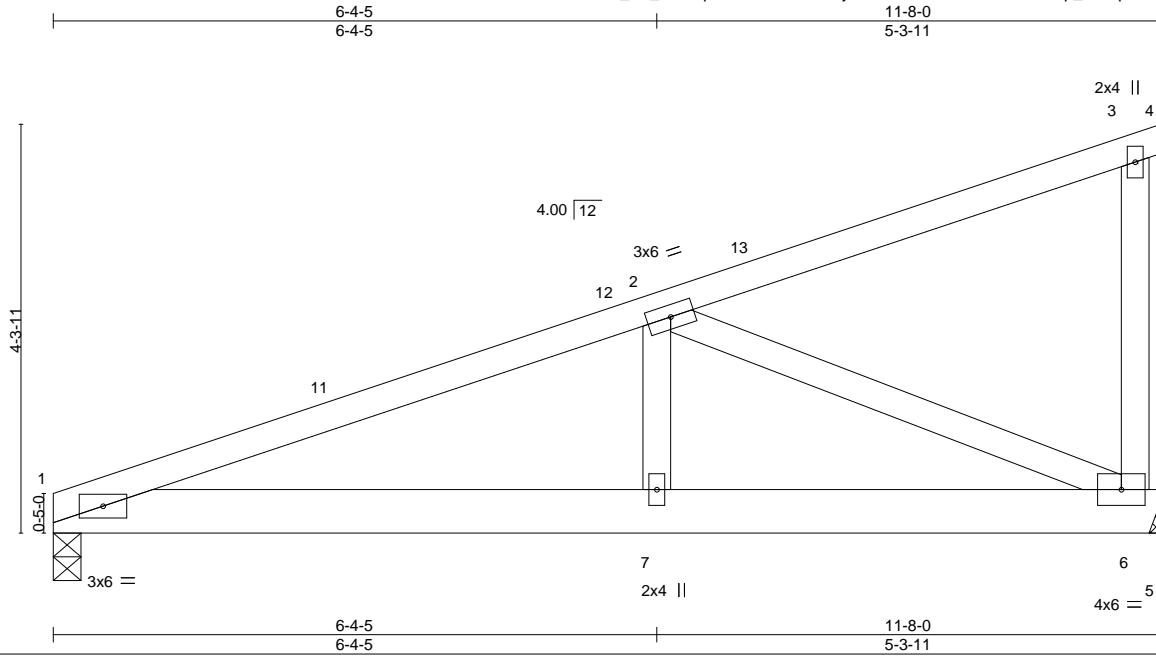
Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek
MASTERFRENCH	D02	MONO TRUSS	1	1	150128739

Builders FirstSource (Apex, NC),

Apex, NC - 27523,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:15:56 2022 Page 1

ID:J_Pa_WGnqUPCVLHsc?23YyoL3v-?UrYJ65cZQbmxAPvQp_DdJqkD1tUPkj7V0AoXznDEn



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.35	Vert(LL) -0.03	7-10	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.36	Vert(CT) -0.06	7-10	>999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.44	Horz(CT) 0.01	6	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS	Wind(LL) 0.02	7-10	>999	240		
							Weight: 61 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	

REACTIONS. (size) 1=0-3-8, 6=Mechanical
 Max Horz 1=130(LC 11)
 Max Uplift 1=-29(LC 8), 6=-50(LC 8)
 Max Grav 1=456(LC 1), 6=467(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-797/58
 BOT CHORD 1-7=-103/714, 6-7=-103/714
 WEBS 2-7=0/277, 2-6=-757/97

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 11-8-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 3) * 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.
 - 4) Refer to girder(s) for truss to truss connections.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 6.



Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek
MASTERFRENCH	G01	JACK	6	1	150128740

Builders FirstSource (Apex, NC),

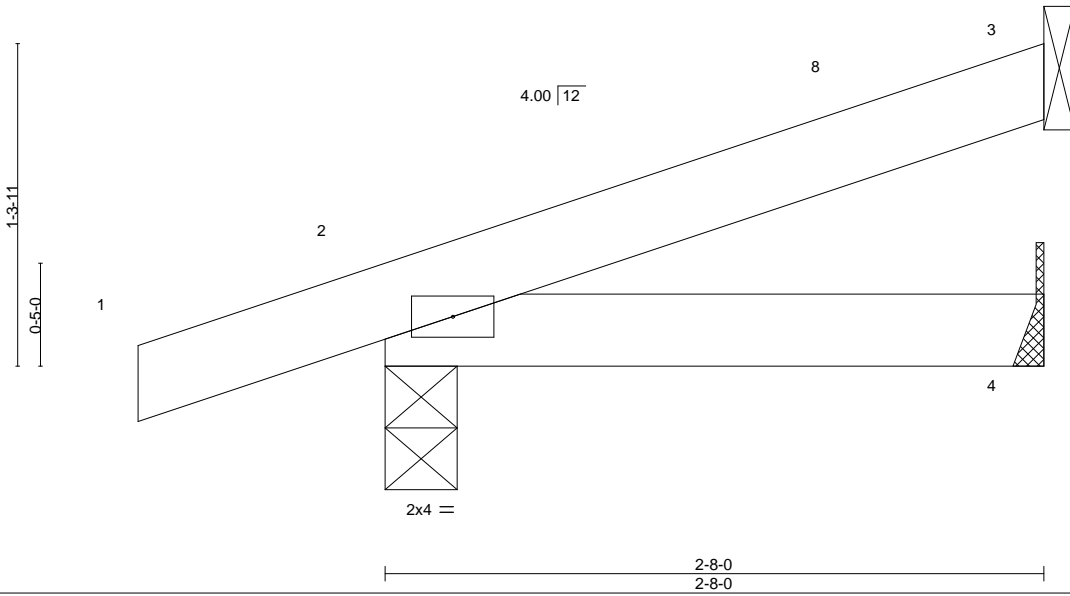
Apex, NC - 27523,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:15:57 2022 Page 1

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Scale = 1:9.3



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.07	Vert(LL)	-0.00	7	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.06	Vert(CT)	-0.00	4-7	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MP	Wind(LL)	0.00	7	>999	240	Weight: 10 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 2-8-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=40(LC 8)
Max Uplift 3=19(LC 12), 2=38(LC 8)
Max Grav 3=62(LC 1), 2=176(LC 1), 4=45(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 2-7-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * 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.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.



February 9, 2022

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek
MASTERFRENCH	G01G	GABLE	1	1	150128741

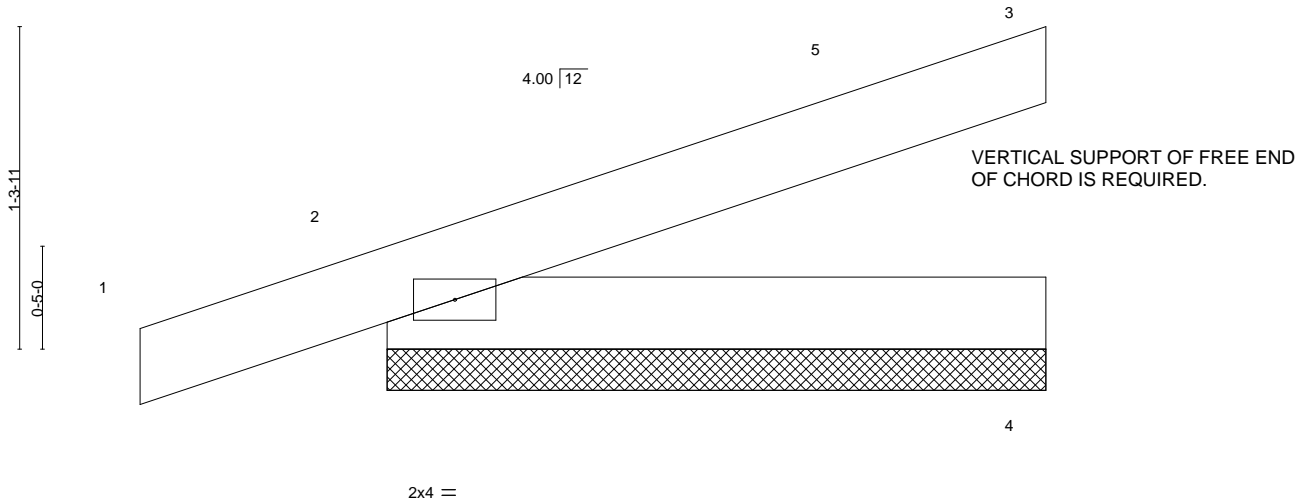
Builders FirstSource (Apex, NC),

Apex, NC - 27523,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:15:58 2022 Page 1
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Scale = 1:9.3



LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.09	Vert(LL) 0.00	0.00	1	n/r	120	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.08	Vert(CT) 0.00	0.00	1	n/r	120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Horz(CT) -0.00	-0.00	3	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-P						Weight: 10 lb	FT = 20%
	Code IRC2015/TPI2014								

LUMBER-

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

BRACING-

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

REACTIONS.

(size) 3=2-8-0, 2=2-8-0, 4=2-8-0
 Max Horz 2=40(LC 8)
 Max Uplift 3=28(LC 12), 2=38(LC 8)
 Max Grav 3=69(LC 1), 2=178(LC 1), 4=53(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCCL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 2-8-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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.
- 3) Gable requires continuous bottom chord bearing.
- 4) Gable studs spaced at 2-0-0 oc.
- 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.



February 9, 2022

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

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 Edenton, NC 27932

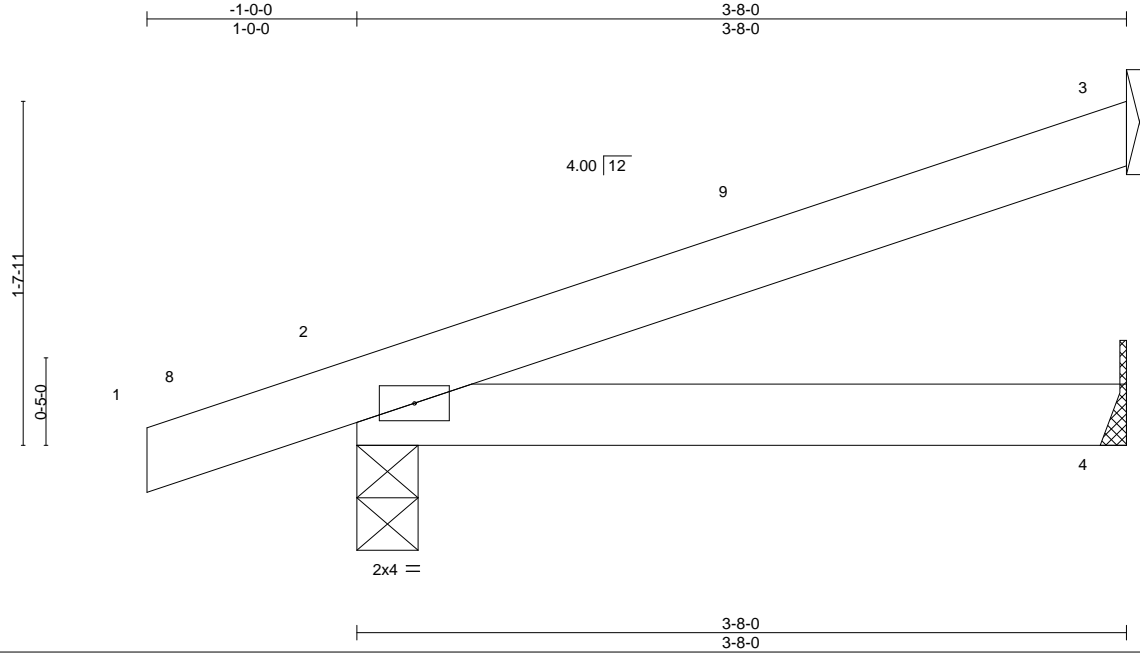
Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek
MASTERFRENCH	G02	JACK	3	1	150128742

Builders FirstSource (Apex, NC),

Apex, NC - 27523,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:16:03 2022 Page 1

ID:J_Pa_WGnqUPCVVLHsc?23YyoL3v-IrnBnVB?vaUnHFRFKndsPnd_MrKoY_Fmk5C2YdznDEg



Scale = 1:11.0

LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.17	Vert(LL) -0.01	4-7	>999	360		MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.13	Vert(CT) -0.02	4-7	>999	240			
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) 0.00	2	n/a	n/a			
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MP	Wind(LL) 0.01	4-7	>999	240		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 3-8-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

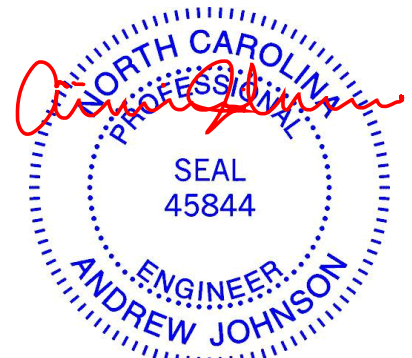
REACTIONS.

(size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=51(LC 8)
Max Uplift 3=-29(LC 12), 2=-38(LC 8)
Max Grav 3=91(LC 1), 2=212(LC 1), 4=65(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 3-7-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * 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.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.



February 9, 2022

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

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

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



818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek
MASTERFRENCH	P01	COMMON	2	1	150128743

Builders FirstSource (Apex, NC),

Apex, NC - 27523,

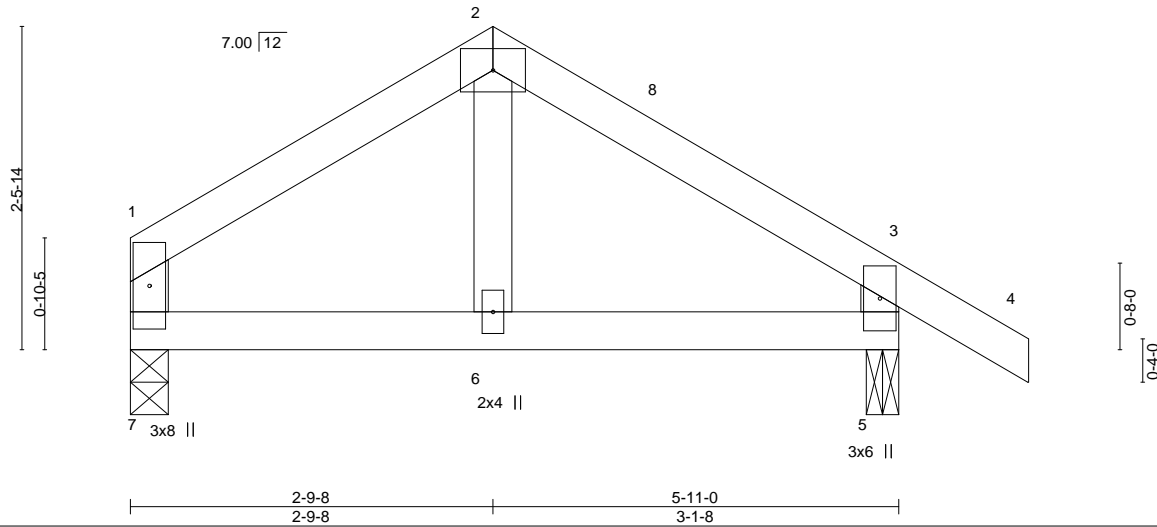
8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:16:04 2022 Page 1
 ID:J_Pa_WGnqUPCvVLHsc?23YyoL3v-m1KZ?rCdgtecvP0SuV85y?99JFgDHRxwzlyb54znDEF

Job Reference (optional)



4x6 =

Scale = 1:17.7



LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.15	Vert(LL) -0.00	6	>999	360		MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.12	Vert(CT) -0.01	6	>999	240			
BCLL 0.0 *	Lumber DOL 1.15	WB 0.04	Horz(CT) 0.00	5	n/a	n/a			
BCDL 10.0	Rep Stress Incr YES	Matrix-MR	Wind(LL) 0.01	5-6	>999	240			
	Code IRC2015/TPI2014							Weight: 25 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.2 *Except*
 2-6: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-11-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 7=0-3-8, 5=0-3-0
 Max Horz 7=-58(LC 8)
 Max Uplift 7=-5(LC 12), 5=-24(LC 13)
 Max Grav 7=218(LC 1), 5=300(LC 1)

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

TOP CHORD 3-5=-259/144

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 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) 7, 5.



February 9, 2022

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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



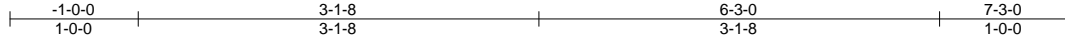
818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek
MASTERFRENCH	P01SG	GABLE	1	1	150128744

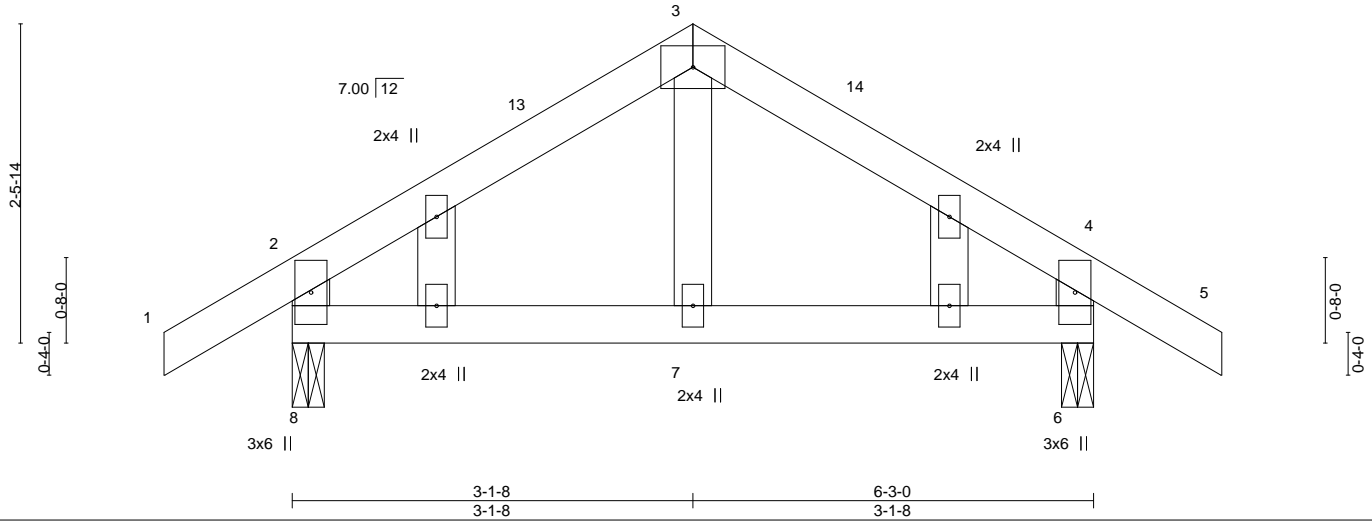
Builders FirstSource (Apex, NC), Apex, NC - 27523,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:16:06 2022 Page 1

ID:J_Pa_WGnqUPCVVLHsc?23YyoL3v-iPSKPXDtCVsL8IAq0wAZ1QEUG3L2ILKDR3Ri9yznDEd



Scale = 1:18.0



LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.16	Vert(LL) -0.00	7	>999	360		MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.09	Vert(CT) -0.01	7	>999	240			
BCLL 0.0 *	Lumber DOL 1.15	WB 0.04	Horz(CT) 0.00	6	n/a	n/a			
BCDL 10.0	Rep Stress Incr YES	Matrix-MR	Wind(LL) 0.00	7	>999	240		Weight: 30 lb	FT = 20%
	Code IRC2015/TPI2014								

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2 *Except*	
OTHERS 2x4 SP No.3	

REACTIONS. (size) 8=0-3-0, 6=0-3-0
 Max Horz 8=-60(LC 10)
 Max Uplift 8=-24(LC 12), 6=-24(LC 13)
 Max Grav 8=307(LC 1), 6=307(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-8=-268/151, 4-6=-268/151

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TC DL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-11-15 to 2-0-1, Interior(1) 2-0-1 to 3-1-8, Exterior(2) 3-1-8 to 7-2-15 zone; cantilever left and right exposed; end vertical left and right exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 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) 8, 6.



February 9, 2022

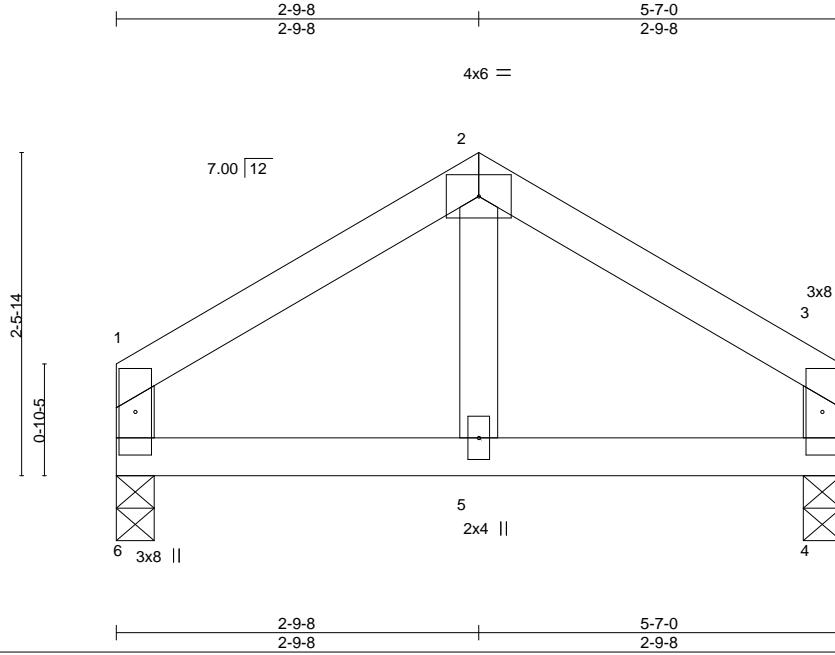
Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek
MASTERFRENCH	P02	COMMON	2	1	150128745

Builders FirstSource (Apex, NC),

Apex, NC - 27523,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:16:06 2022 Page 1

ID: J_Pa_WGnqUPCVVLHsc?23YyoL3v-iPSKPXDtCVsL8iAq0wAZ1QEvk3LqLWDR3Ri9yznDEd



Scale = 1:17.7

LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.09	Vert(LL) -0.00	5	>999	360		MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.11	Vert(CT) -0.01	5	>999	240			
BCLL 0.0 *	Rep Stress Incr YES	WB 0.03	Horz(CT) 0.00	4	n/a	n/a			
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MR	Wind(LL) 0.01	5	>999	240			
								Weight: 22 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.2 *Except*
 2-5: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-7-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

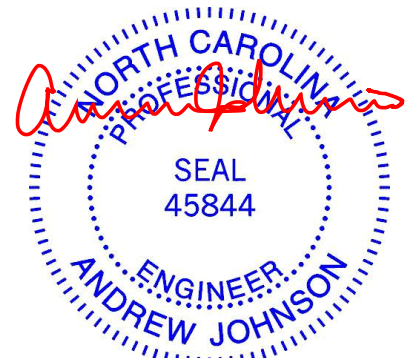
REACTIONS.

(size) 6=0-3-8, 4=0-3-8
 Max Horz 6=49(LC 9)
 Max Uplift 6=-5(LC 12), 4=-5(LC 13)
 Max Grav 6=212(LC 1), 4=212(LC 1)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCCL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 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) 6, 4.



February 9, 2022

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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



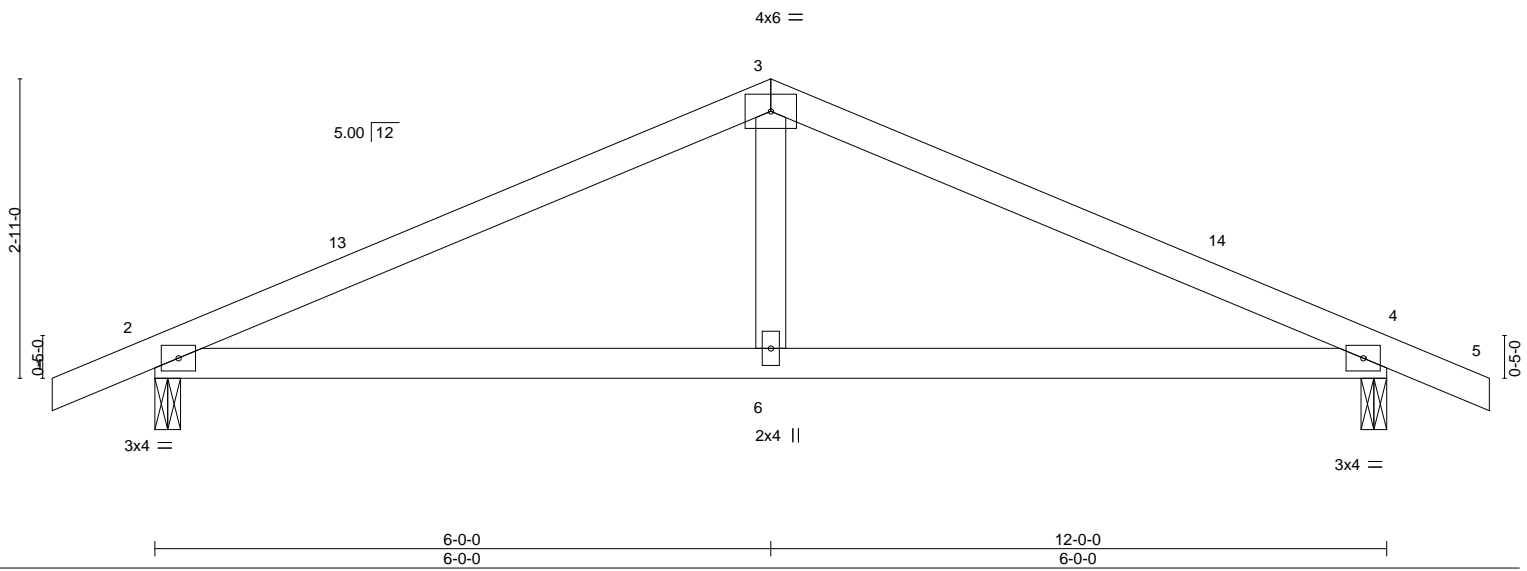
818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek
MASTERFRENCH	SP01	COMMON	4	1	150128746

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:16:14 2022 Page 1
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Scale = 1:22.4



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.44	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.39	Vert(LL) -0.04 6-12 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.10	Vert(CT) -0.08 6-12 >999 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.01 4 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.06 6-12 >999 240	Weight: 44 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 9-9-15 oc bracing.
WEBS 2x4 SP No.3	

REACTIONS. (size) 2=0-3-0, 4=0-3-0
 Max Horz 2=-50(LC 13)
 Max Uplift 2=-95(LC 8), 4=-95(LC 9)
 Max Grav 2=540(LC 1), 4=540(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-739/443, 3-4=-739/439
 BOT CHORD 2-6=-336/625, 4-6=-336/625
 WEBS 3-6=-203/271

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 6-0-0, Exterior(2) 6-0-0 to 10-2-15, Interior(1) 10-2-15 to 13-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 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.

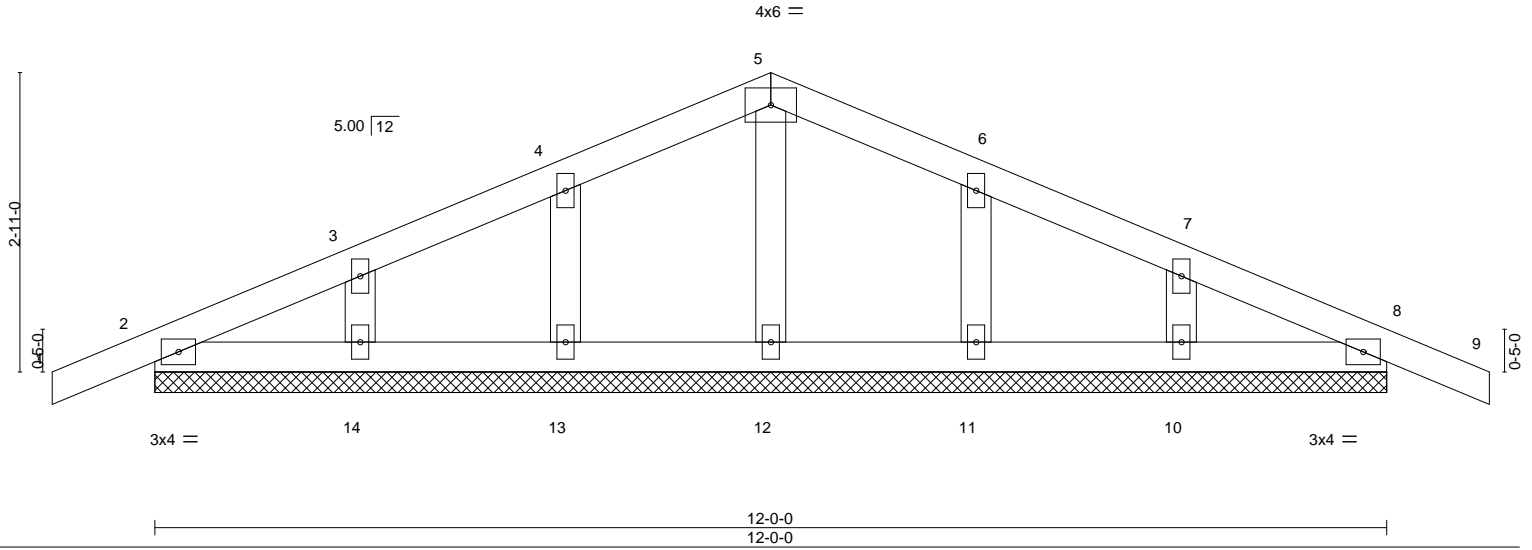


Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek
MASTERFRENCH	SP01G	GABLE	1	1	150128747

Builders FirstSource (Apex, NC), Apex, NC - 27523,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:16:15 2022 Page 1
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 12-0-0 13-0-0
 6-0-0 1-0-0

Scale = 1:22.4



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.07	Vert(LL)	-0.00	9	n/r	120	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.03	Vert(CT)	-0.00	9	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.03	Horz(CT)	0.00	8	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S						Weight: 51 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.

REACTIONS.

All bearings 12-0-0.
 (lb) - Max Horz 2=-50(LC 13)
 Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 13, 14, 11, 10
 Max Grav All reactions 250 lb or less at joint(s) 2, 8, 12, 13, 14, 11, 10

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCCL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 6-0-0, Exterior(2) 6-0-0 to 10-0-0, Interior(1) 10-0-0 to 13-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 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, 8, 13, 14, 11, 10.



February 9, 2022

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818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek
MASTERFRENCH	V01	VALLEY	1	1	150128748

Builders FirstSource (Apex, NC),

Apex, NC - 27523,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:16:21 2022 Page 1

ID:J_Pa_WGnqUPCVLHsc?23YyoL3v-mIs?ZfPHg6IDR0pjOZx48aM?e6R2m61QtuZ?BaznDEO

Job Reference (optional)



Scale = 1:39.4

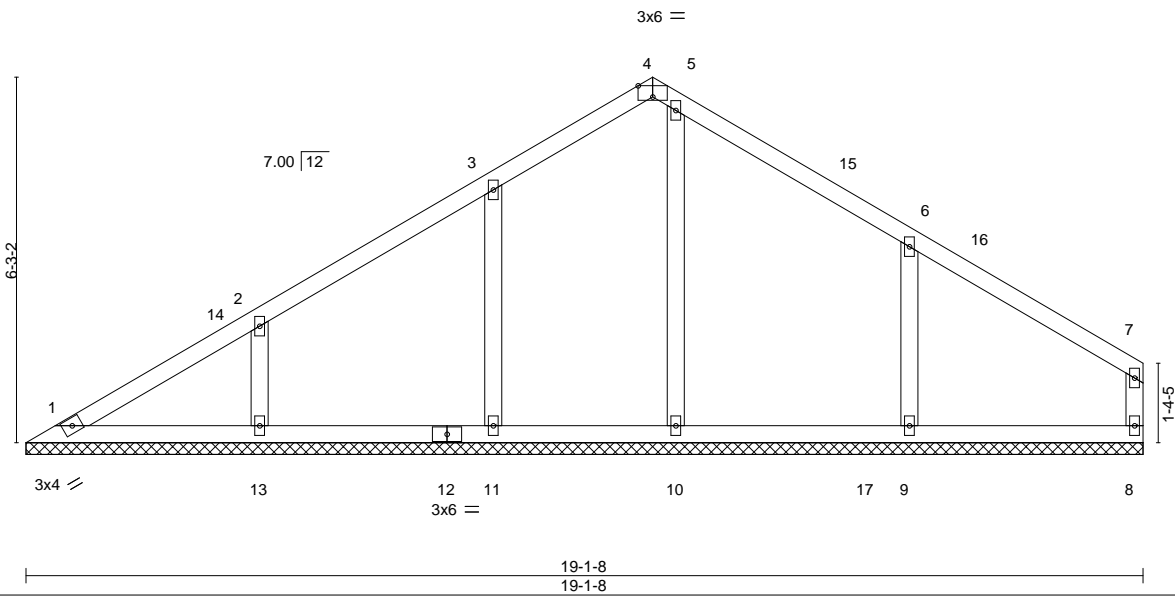


Plate Offsets (X,Y)-- [4:0-3-0,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.37	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.25	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.11	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 8 n/a n/a		
	Code IRC2015/TPI2014			Weight: 84 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.3
 BOT CHORD 2x4 SP No.3
 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 10-0-0 oc bracing.

REACTIONS.

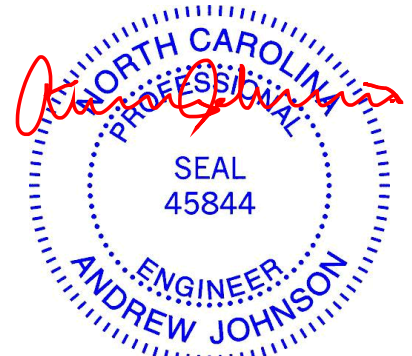
All bearings 19-1-8.
 (lb) - Max Horz 1=129(LC 9)
 Max Uplift All uplift 100 lb or less at joint(s) 1, 8, 9, 13, 11
 Max Grav All reactions 250 lb or less at joint(s) 1, 8 except 9=410(LC 20), 10=356(LC 19), 13=343(LC 19), 11=327(LC 19)

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

WEBS 6-9=-279/146, 2-13=-255/122

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCCL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-6-8 to 3-6-8, Interior(1) 3-6-8 to 10-8-12, Exterior(2) 10-8-12 to 13-8-12, Interior(1) 13-8-12 to 18-11-12 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- All plates are 2x4 MT20 unless otherwise indicated.
- 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, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 8, 9, 13, 11.



February 9, 2022

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	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek
MASTERFRENCH	V02	VALLEY	1	1	I50128749

Builders FirstSource (Apex, NC),

Apex, NC - 27523,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:16:23 2022 Page 1

ID:J_Pa_WGnqUPCvVLHsc?23YyoL3v-ih_I_LQYcJ?xhKz5V_zYD?SL?v7_E04jLC25GTznDEM

Job Reference (optional)

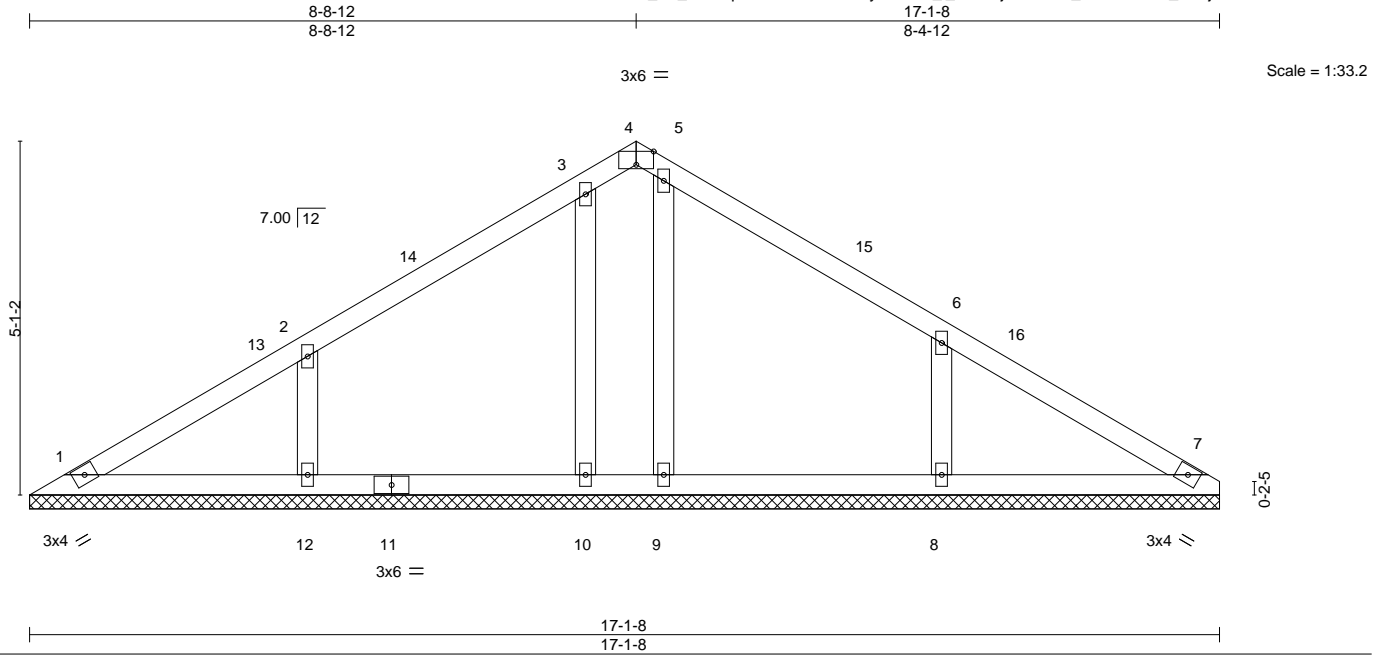


Plate Offsets (X,Y)-- [4:0-3-0,Edge]

LOADING (psf)	SPACING-	CSL.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.38	Vert(LL) n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.22	Vert(CT) n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.07	Horz(CT) 0.00	7	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S					Weight: 72 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.3
 BOT CHORD 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 6-0-0 oc bracing.

REACTIONS.

All bearings 17-1-8.
 (lb) - Max Horz 1=94(LC 9)
 Max Uplift All uplift 100 lb or less at joint(s) 8, 12, 10
 Max Grav All reactions 250 lb or less at joint(s) 1, 7, 9, 10 except 8=371(LC 20), 12=351(LC 19)

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

WEBS 6-8=-273/130, 2-12=-259/123

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-6-8 to 3-6-8, Interior(1) 3-6-8 to 8-8-12, Exterior(2) 8-8-12 to 11-8-12, Interior(1) 11-8-12 to 16-11-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- All plates are 2x4 MT20 unless otherwise indicated.
- 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) 8, 12, 10.



February 9, 2022

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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

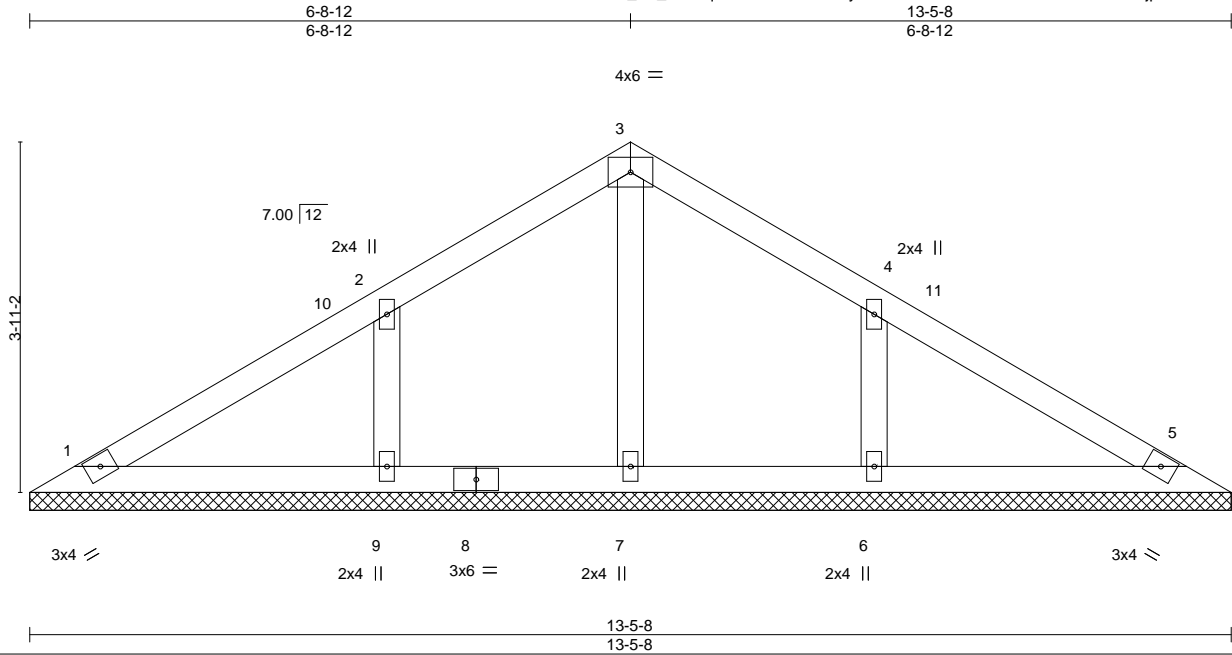
Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek
MASTERFRENCH	V03	VALLEY	1	1	150128750

Builders FirstSource (Apex, NC), Apex, NC - 27523,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:16:25 2022 Page 1

ID:J_Pa_WGnqUPCVLHsc?23YyoL3v-e36WP0SokKFwd7UdP00JQXilJpXixz0oWXCKMznDEK

Job Reference (optional)



Scale = 1:25.8

LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.26	Vert(LL) n/a	-	n/a	999		MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.15	Vert(CT) n/a	-	n/a	999			
BCLL 0.0 *	Rep Stress Incr YES	WB 0.05	Horz(CT) 0.00	5	n/a	n/a			
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S						Weight: 52 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.3
 BOT CHORD 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.

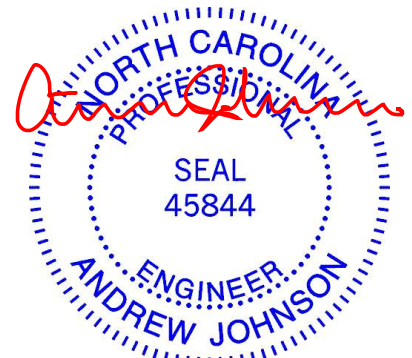
REACTIONS.

All bearings 13-5-8.
 (lb) - Max Horz 1=-71(LC 8)
 Max Uplift All uplift 100 lb or less at joint(s) 1, 6, 9
 Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 6=309(LC 20), 9=309(LC 19)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCCL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-6-8 to 3-6-8, Interior(1) 3-6-8 to 6-8-12, Exterior(2) 6-8-12 to 9-5-8, Interior(1) 9-5-8 to 12-11-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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, 6, 9.



February 9, 2022

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

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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

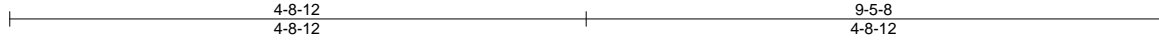


818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek
MASTERFRENCH	V04	VALLEY	1	1	I50128751

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:16:28 2022 Page 1

ID:J_Pa_WGnqUPCVLHsc?23YyoL3v-bSDGqIT2GyVN9xHtkq2UOrc2WWVzArWIGq0JPDznDEI



Scale = 1:18.9

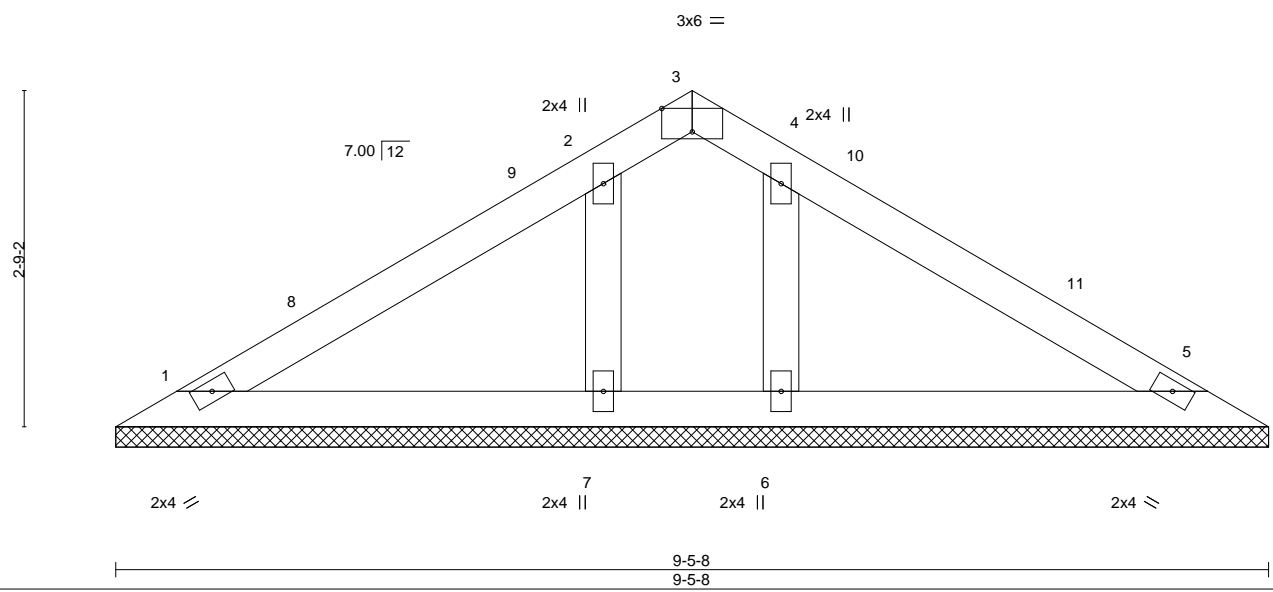


Plate Offsets (X,Y)-- [3:0-3:0,Edge] 9-5-8 9-5-8

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.28	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.16	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.04	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 5 n/a n/a		
	Code IRC2015/TPI2014			Weight: 34 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.3	TOP CHORD Structural wood sheathing directly applied or 9-5-8 oc purlins.
BOT CHORD 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
OTHERS 2x4 SP No.3	

REACTIONS. All bearings 9-5-8.
 (lb) - Max Horz 1=48(LC 9)
 Max Uplift All uplift 100 lb or less at joint(s) 6, 7
 Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 6=271(LC 24), 7=271(LC 23)

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCCL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-6-8 to 3-6-8, Interior(1) 3-6-8 to 4-8-12, Exterior(2) 4-8-12 to 7-8-12, Interior(1) 7-8-12 to 8-11-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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) 6, 7.

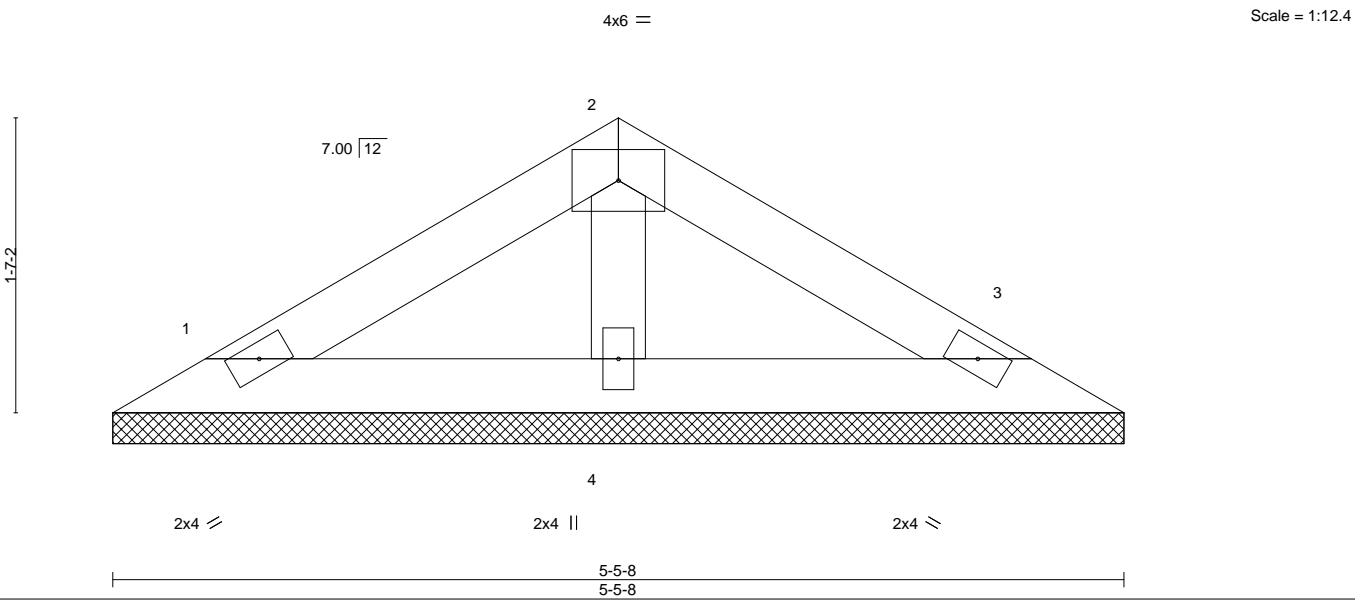


February 9, 2022

Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek
MASTERFRENCH	V05	VALLEY	1	1	150128752

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:16:30 2022 Page 1

ID:J_Pa_WGnqUPCVLHsc?23YyoL3v-?1vOSkWxZttx00?RPycB0TEbXkXpNCblyoFz?ZznDEF
5-5-8
2-8-12



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.14	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.08	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.02	Horz(CT)	0.00	3	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-P					Weight: 17 lb	FT = 20%
	Code IRC2015/TPI2014							

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.3	TOP CHORD Structural wood sheathing directly applied or 5-5-8 oc purlins.
BOT CHORD 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SP No.3	

REACTIONS. (size) 1=5-5-8, 3=5-5-8, 4=5-5-8
 Max Horz 1=-25(LC 8)
 Max Uplift 1=-11(LC 12), 3=-15(LC 13)
 Max Grav 1=91(LC 1), 3=91(LC 1), 4=168(LC 1)

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

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCCL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Gable requires continuous bottom chord bearing.
 - 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



February 9, 2022

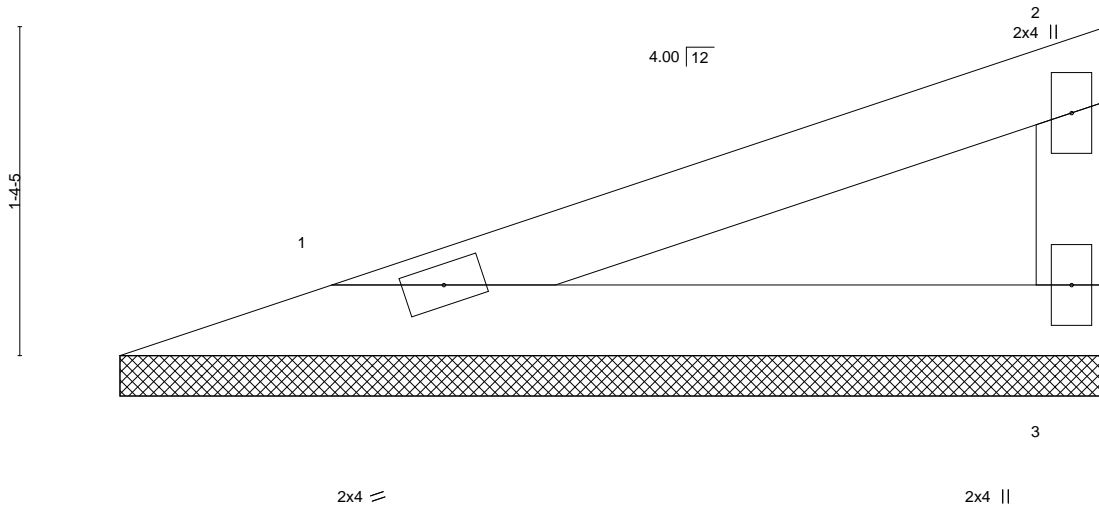
Job	Truss	Truss Type	Qty	Ply	Mattamy-Sequoia-Spirit 40-French-Lot 87 Providence Creek
MASTERFRENCH	V06	GABLE	1	1	150128753

Builders FirstSource (Apex, NC), Apex, NC - 27523,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Feb 8 11:16:31 2022 Page 1

ID: J_Pa_WGnqUPCVLHsc?23YyoL3v-TDTnf4XZJA?oeYaezg7QYhnkW8sZ6fBuAS_WY?znDEE
4-0-14
4-0-14

Scale = 1:9.5



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.28	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.18	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Horz(CT)	0.00	3	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-P					Weight: 12 lb	FT = 20%
	Code IRC2015/TPI2014							

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-0-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

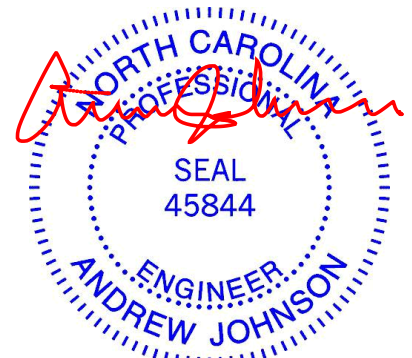
REACTIONS.

(size) 1=4-0-14, 3=4-0-14
Max Horz 1=34(LC 9)
Max Uplift 1=-8(LC 8), 3=-13(LC 12)
Max Grav 1=121(LC 1), 3=121(LC 1)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Gable requires continuous bottom chord bearing.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * 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.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



February 9, 2022

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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



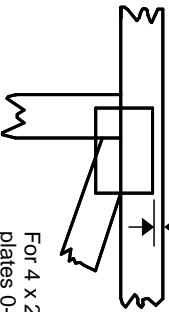
818 Soundside Road
Edenton, NC 27932

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/TP1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: 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/TP1 section 6.3 These truss designs rely on lumber values established by others.

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MITek Engineering Reference Sheet: Mill-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/TP1 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP1 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. Rewriting pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TP1 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.