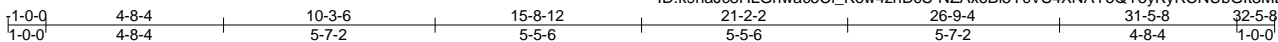


Job	Truss	Truss Type	Qty	Ply	MATTAMY HOMES/TETON	153977300
PERMIT	A01-2PL	HIP	1	2	Job Reference (optional)	

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Aug 11 2022 MiTek Industries, Inc. Wed Aug 31 15:47:57 2022 Page 1
 ID:k9haJc8HLGnwac5Ci_Kow4znDcS-NZAx6Bi5YcVS4XNAyOqY5yKyRCNUbGlt3MLJmpyHYO



Scale = 1:59.2

Plate Offsets (X,Y)--	[2:0-7-15,Edge], [4:0-6-0,0-2-0], [9:0-6-0,0-2-0], [11:0-7-15,Edge]
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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 0.95	Vert(LL)	-0.22	16	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.89	Vert(CT)	-0.45	15-16	>841	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.39	Horz(CT)	0.12	11	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MS	Wind(LL)	0.17	16	>999		
								Weight: 342 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP SS *Except* 4-7,7-9: 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-5-11 oc purlins, except
BOT CHORD 2x4 SP No.1	2-0-0 oc purlins (3-7-5 max.): 4-9.
WEBS 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
SLIDER Left 2x8 SP DSS 1-11-12, Right 2x8 SP DSS 1-11-12	

REACTIONS. (size) 2=0-3-8, 11=0-3-8
 Max Horz 2=66(LC 7)
 Max Uplift 2=-201(LC 8), 11=-201(LC 9)
 Max Grav 2=2900(LC 1), 11=2900(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-4170/294, 4-5=-6061/474, 5-6=-6061/474, 6-8=-6061/473, 8-9=-6061/473, 9-11=-4170/294
 BOT CHORD 2-19=-263/3390, 17-19=-260/3394, 16-17=-520/6801, 15-16=-520/6801, 13-15=-203/3394, 11-13=-206/3390
 WEBS 4-17=-302/3167, 5-17=-767/150, 6-17=-898/120, 6-16=0/374, 6-15=-898/120, 8-15=-767/150, 9-15=-302/3167

- 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.
 Bottom chords connected as follows: 2x4 - 1 row 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; 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.
 - 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=201, 11=201.
 - Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments.
 - 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) 188 lb down and 16 lb up at 2-8-12, and 188 lb down and 16 lb up at 28-8-12 on top chord, and 122 lb down and 10 lb up at 2-8-12, and 122 lb down and 10 lb up at 28-8-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.



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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TRENCO ENGINEERING BY
 818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMY HOMES/TETON	I53977300
PERMIT	A01-2PL	HIP	1	2	Job Reference (optional)	

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

8.530 s Aug 11 2022 MiTek Industries, Inc. Wed Aug 31 15:47:58 2022 Page 2
 ID:k9haJc8HLGnwac5Ci_Kow4znDcS-rlkJXjkJwdJihyN5VxneAt7AcjKjY1I04sIFyiHY?

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-29=-60, 4-29=-122(B=-62), 4-9=-122(B=-62), 9-30=-122(B=-62), 12-30=-60, 20-33=-20, 33-34=-64(B=-44), 24-34=-20

Concentrated Loads (lb)

Vert: 28=-188(B) 31=-188(B) 32=-122(B) 35=-122(B)

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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**



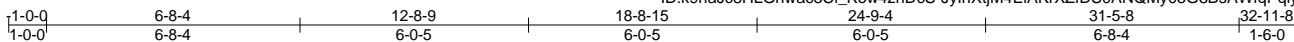
818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMY HOMES/TETON	153977301
PERMIT	A02	HIP	1	1	Job Reference (optional)	

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

8.530 s Aug 11 2022 MiTek Industries, Inc. Wed Aug 31 15:47:59 2022 Page 1

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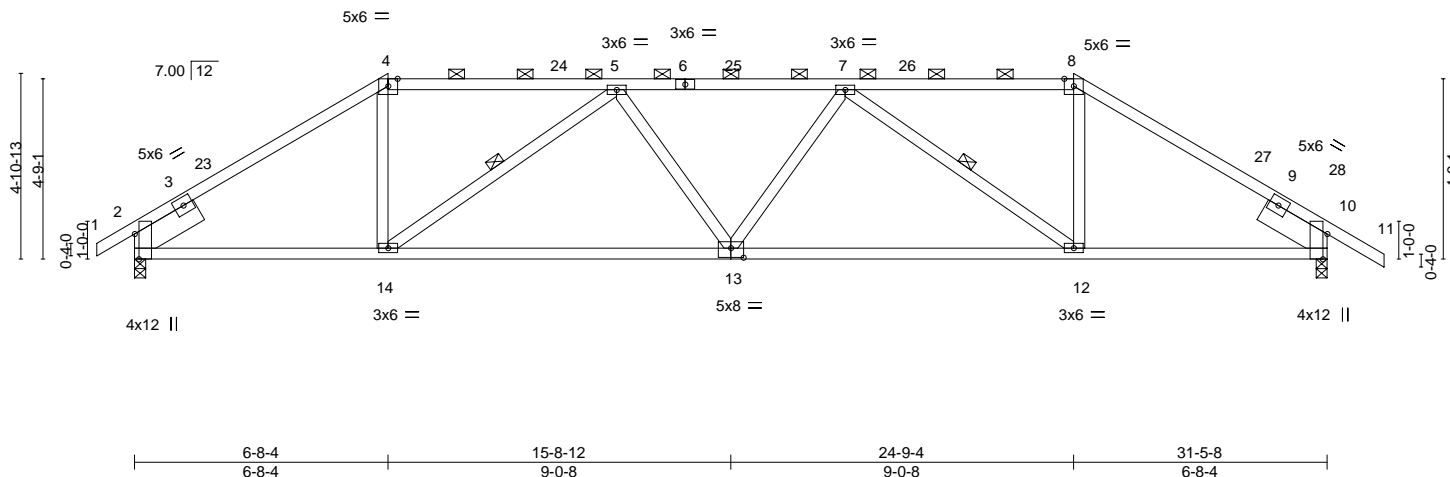


Plate Offsets (X,Y)--	[2:0-7-15,Edge], [10:0-7-15,Edge], [13:0-4-0,0-3-0]
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LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.69	Vert(LL) -0.18	12-13	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.74	Vert(CT) -0.44	12-13	>859	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.32	Horz(CT) 0.12	10	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS	Wind(LL) 0.13	12-13	>999	240		
							Weight: 163 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP SS *Except* 4-6,6-8: 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-4-9 oc purlins, except 2-0-0 oc purlins (3-7-1 max.): 4-8.
BOT CHORD 2x4 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 5-14, 7-12
SLIDER Left 2x8 SP DSS 1-11-12, Right 2x8 SP DSS 1-11-12	

REACTIONS. (size) 2=0-3-8, 10=0-3-8
 Max Horz 2=91(LC 10)
 Max Uplift 2=65(LC 12), 10=72(LC 13)
 Max Grav 2=1317(LC 1), 10=1349(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-1808/105, 4-5=-1456/121, 5-7=-2231/124, 7-8=-1450/120, 8-10=-1802/99
 BOT CHORD 2-14=-61/1474, 13-14=-119/2158, 12-13=-93/2157, 10-12=0/1468
 WEBS 4-14=0/622, 5-14=-932/153, 7-12=-935/153, 8-12=0/623

- 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) -0-11-15 to 2-1-13, Interior(1) 2-1-13 to 6-8-4, Exterior(2) 6-8-4 to 11-1-10, Interior(1) 11-1-10 to 24-9-4, Exterior(2) 24-9-4 to 29-2-10, Interior(1) 29-2-10 to 32-11-7 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.
 - 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.

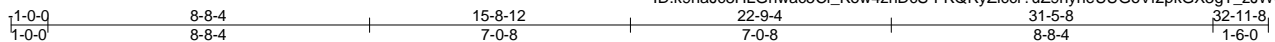


September 1, 2022

<p>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</p>	 818 Soundside Road Edenton, NC 27932
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Job	Truss	Truss Type	Qty	Ply	MATTAMY HOMES/TETON	153977302
PERMIT	A03	HIP	1	1	Job Reference (optional)	

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Aug 11 2022 MiTek Industries, Inc. Wed Aug 31 15:48:01 2022 Page 1
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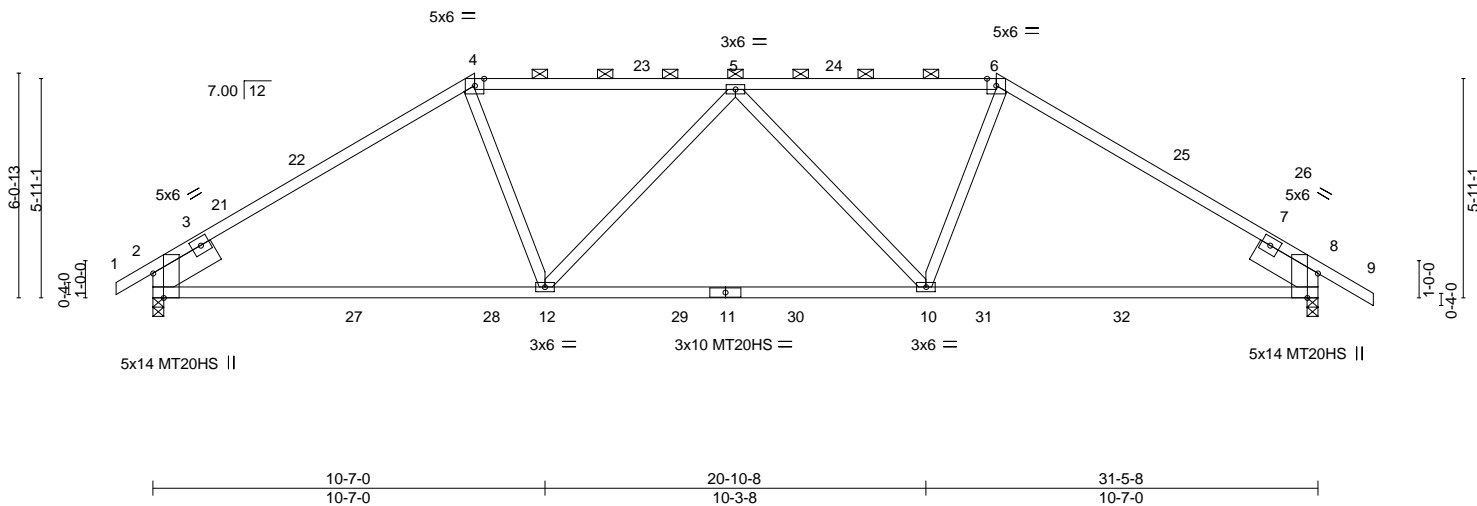


Plate Offsets (X,Y)--	[2:0-7-15,Edge], [8:0-7-15,Edge]
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LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.84	Vert(LL) -0.22	10-12	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.84	Vert(CT) -0.45	10-12	>839	240	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr YES	WB 0.49	Horz(CT) 0.11	8	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS	Wind(LL) 0.13	10-12	>999	240		
							Weight: 154 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SP SS *Except*
 4-6: 2x4 SP No.2
 BOT CHORD 2x4 SP No.1
 WEBS 2x4 SP No.3
 SLIDER Left 2x8 SP DSS 1-11-12, Right 2x8 SP DSS 1-11-12

BRACING-
 TOP CHORD Structural wood sheathing directly applied, except
 2-0-0 oc purlins (3-9-3 max.): 4-6.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-3-8, 8=0-3-8
 Max Horz 2=-114(LC 10)
 Max Uplift 2=-63(LC 12), 8=-70(LC 13)
 Max Grav 2=1317(LC 1), 8=1349(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-1769/122, 4-5=-1621/121, 5-6=-1618/121, 6-8=-1766/118
 BOT CHORD 2-12=-38/1442, 10-12=-48/1811, 8-10=0/1439
 WEBS 4-12=0/596, 5-12=-423/168, 5-10=-427/168, 6-10=0/597

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TC DL=6.0psf; BC DL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-11-15 to 2-1-13, Interior(1) 2-1-13 to 8-8-4, Exterior(2) 8-8-4 to 13-1-10, Interior(1) 13-1-10 to 22-9-4, Exterior(2) 22-9-4 to 27-2-10, Interior(1) 27-2-10 to 32-11-7 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, 8.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



September 1, 2022

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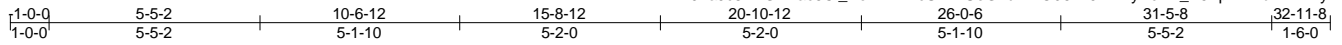
818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMY HOMES/TETON	153977303
PERMIT	A04	HIP	1	1		

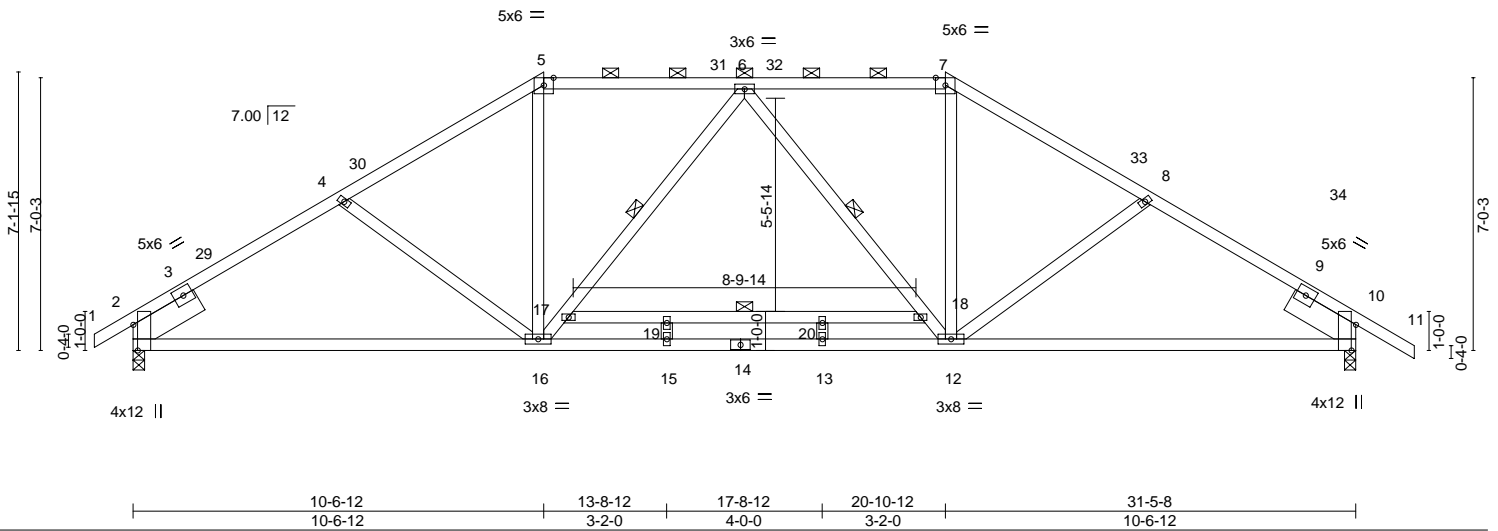
Builders FirstSource, Apex, NC 27523

8.530 s May 26 2022 MiTek Industries, Inc. Wed Aug 31 16:02:03 2022 Page 1

ID:k9hajc8HLGnwac5Ci_Kow4znDcS-VHUEGhuLIKO067LJMnZyKcNZ_E5ZpwAPbzH4RnyHKO



Scale = 1:57.7



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.81	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.95	Vert(LL) -0.14 13-15 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.30	Vert(CT) -0.36 13-15 >999 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.11 10 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.08 13-15 >999 240		
				Weight: 193 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1 *Except* 5-7: 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-3-11 oc purlins, except 2-0-0 oc purlins (4-10-3 max.); 5-7.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 2x4 SP No.3 *Except* 17-18: 2x4 SP No.2	WEBS 1 Row at midpt 6-16, 6-12, 17-18
SLIDER Left 2x8 SP DSS 1-11-12, Right 2x8 SP DSS 1-11-12	

REACTIONS. (size) 2=0-3-8, 10=0-3-8
 Max Horz 2=-135(LC 10)
 Max Uplift 2=-60(LC 12), 10=-67(LC 13)
 Max Grav 2=1317(LC 1), 10=1349(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-530/0, 3-29=-1778/99, 4-29=-1753/123, 4-30=-1586/93, 5-30=-1533/120,
 5-31=-1322/131, 6-31=-1324/130, 6-32=-1322/131, 7-32=-1320/131, 7-33=-1530/117,
 8-33=-1582/91, 8-34=-1762/123, 9-34=-1771/100, 9-10=-506/2
 BOT CHORD 2-16=-97/1445, 15-16=0/1455, 14-15=0/1455, 13-14=0/1455, 12-13=0/1455,
 10-12=-29/1437
 WEBS 5-16=0/484, 16-17=-334/130, 6-17=-321/137, 6-18=-323/137, 12-18=-337/128,
 7-12=0/483

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) 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) 0-11-15 to 2-1-13, Interior(1) 2-1-13 to 10-6-12, Exterior(2) 10-6-12 to 15-0-2, Interior(1) 15-0-2 to 20-10-12, Exterior(2) 20-10-12 to 25-4-2, Interior(1) 25-4-2 to 32-11-7 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) Provide adequate drainage to prevent water ponding.
 - 4) All plates are 2x4 MT20 unless otherwise indicated.
 - 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 60 lb uplift at joint 2 and 67 lb uplift at joint 10.
 - 8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 9) N/A
 - 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



September 1, 2022

LOAD CASE(S)

Continued on page 2

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ENGINEERING BY
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 818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMY HOMES/TETON	153977303
PERMIT	A04	HIP	1	1	Job Reference (optional)	

Builders FirstSource, Apex, NC 27523

8.530 s May 26 2022 MiTek Industries, Inc. Wed Aug 31 16:02:04 2022 Page 2
ID:k9haJc8HLGnwac5Ci_Kow4znDcS-_U20T1vz3eWtkHwWw4UBsqwkjeRoYNQYqd0d_DyiHKn

LOAD CASE(S)

- 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-5=-60, 5-7=-60, 7-11=-60, 21-25=-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: 1-5=-50, 5-7=-50, 7-11=-50, 21-25=-20
- 3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-20, 5-7=-20, 7-11=-20, 21-25=-40
- 4) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=32, 2-29=17, 5-29=12, 5-31=20, 7-31=15, 7-33=17, 10-33=12, 10-11=8, 21-25=-12
Horz: 1-2=-44, 2-29=-29, 5-29=-24, 7-33=29, 10-33=24, 10-11=20
Drag: 5-31=0, 6-31=0, 6-7=0
- 5) Dead + 0.6 C-C Wind (Pos. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=8, 2-30=12, 5-30=17, 5-32=15, 7-32=20, 7-34=12, 10-34=17, 10-11=32, 21-25=-12
Horz: 1-2=-20, 2-30=-24, 5-30=-29, 7-34=24, 10-34=29, 10-11=44
Drag: 5-6=0, 6-32=0, 7-32=0
- 6) Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-0, 2-5=-44, 5-7=-29, 7-10=-44, 10-11=-40, 21-25=-20
Horz: 1-2=-20, 2-5=24, 7-10=-24, 10-11=-20
Drag: 5-6=-0, 6-7=0
- 7) Dead + 0.6 C-C Wind (Neg. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-40, 2-5=-44, 5-7=-29, 7-10=-44, 10-11=-0, 21-25=-20
Horz: 1-2=20, 2-5=24, 7-10=-24, 10-11=20
Drag: 5-6=-0, 6-7=0
- 8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-4, 2-5=-14, 5-7=19, 7-10=5, 10-11=1, 21-25=-12
Horz: 1-2=-8, 2-5=2, 7-10=17, 10-11=13
Drag: 5-6=0, 6-7=0
- 9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=1, 2-5=5, 5-7=19, 7-10=-14, 10-11=-4, 21-25=-12
Horz: 1-2=-13, 2-5=17, 7-10=-2, 10-11=8
Drag: 5-6=0, 6-7=0
- 10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-27, 2-5=-31, 5-7=2, 7-10=-11, 10-11=-7, 21-25=-20
Horz: 1-2=7, 2-5=11, 7-10=9, 10-11=13
Drag: 5-6=0, 6-7=0
- 11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-7, 2-5=-11, 5-7=2, 7-10=-31, 10-11=-27, 21-25=-20
Horz: 1-2=-13, 2-5=-9, 7-10=-11, 10-11=-7
Drag: 5-6=0, 6-7=0
- 12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=14, 2-5=19, 5-6=19, 6-7=5, 7-10=5, 10-11=1, 21-25=-12
Horz: 1-2=-26, 2-5=-31, 7-10=17, 10-11=13
Drag: 5-6=0, 6-7=0
- 13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=1, 2-5=5, 5-6=5, 6-7=19, 7-10=19, 10-11=14, 21-25=-12
Horz: 1-2=-13, 2-5=-17, 7-10=31, 10-11=26
Drag: 5-6=0, 6-7=0
- 14) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=5, 2-5=9, 5-6=9, 6-7=2, 7-10=2, 10-11=-3, 21-25=-12
Horz: 1-2=-17, 2-5=-21, 7-10=14, 10-11=9
Drag: 5-6=0, 6-7=0
- 15) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-3, 2-5=2, 5-6=2, 6-7=9, 7-10=9, 10-11=5, 21-25=-12
Horz: 1-2=-9, 2-5=-14, 7-10=21, 10-11=17
Drag: 5-6=0, 6-7=0
- 16) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=6, 2-5=2, 5-6=2, 6-7=-11, 7-10=-11, 10-11=-7, 21-25=-20
Horz: 1-2=-26, 2-5=-22, 7-10=9, 10-11=13
Drag: 5-6=0, 6-7=0
- 17) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60

Continued on page 3

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 PERMIT	Truss A04	Truss Type HIP	Qty 1	Ply 1	MATTAMY HOMES/TETON Job Reference (optional)	153977303
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Builders FirstSource, Apex, NC 27523

8.530 s May 26 2022 MiTek Industries, Inc. Wed Aug 31 16:02:04 2022 Page 3
ID:k9haJc8HLGnwac5Ci_Kow4znDcS-_U20T1vz3eWtkHwWw4UBsqwkjeRoYNQYqd0d_DyiHKn

LOAD CASE(S)

Uniform Loads (plf)

Vert: 1-2=-7, 2-5=-11, 5-6=-11, 6-7=2, 7-10=2, 10-11=6, 21-25=-20
Horz: 1-2=-13, 2-5=-9, 7-10=22, 10-11=26
Drag: 5-6=0, 6-7=-0

18) Dead + Uninhabitable Attic Storage: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90

Uniform Loads (plf)

Vert: 1-5=-20, 5-7=-20, 7-11=-20, 21-25=-20

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=-55, 2-5=-58, 5-7=-34, 7-10=-44, 10-11=-40, 21-25=-20
Horz: 1-2=5, 2-5=8, 7-10=6, 10-11=10
Drag: 5-6=0, 6-7=-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=-40, 2-5=-44, 5-7=-34, 7-10=-58, 10-11=-55, 21-25=-20
Horz: 1-2=-10, 2-5=-6, 7-10=8, 10-11=5
Drag: 5-6=0, 6-7=-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=-30, 2-5=-34, 5-6=-34, 6-7=-44, 7-10=-44, 10-11=-40, 21-25=-20
Horz: 1-2=-20, 2-5=-16, 7-10=6, 10-11=10
Drag: 5-6=0, 6-7=-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=-40, 2-5=-44, 5-6=-44, 6-7=-34, 7-10=-34, 10-11=-30, 21-25=-20
Horz: 1-2=-10, 2-5=-6, 7-10=16, 10-11=20
Drag: 5-6=0, 6-7=-0

23) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-5=-60, 5-7=-60, 7-11=-20, 21-25=-20

24) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-5=-20, 5-7=-60, 7-11=-60, 21-25=-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: 1-5=-50, 5-7=-50, 7-11=-20, 21-25=-20

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: 1-5=-20, 5-7=-50, 7-11=-50, 21-25=-20

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

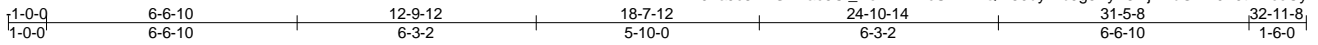


818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMY HOMES/TETON	153977304
PERMIT	A05	HIP	1	1	Job Reference (optional)	

Builders FirstSource, Apex, NC 27523

8.530 s May 26 2022 MiTek Industries, Inc. Wed Aug 31 16:02:13 2022 Page 1
 ID:k9hJc8HLGnwac5Ci_Kow4znDcS-DD4QM60dyPfbJg6EyT8lkjnDbGYD9TJtvXicoCyiHKe



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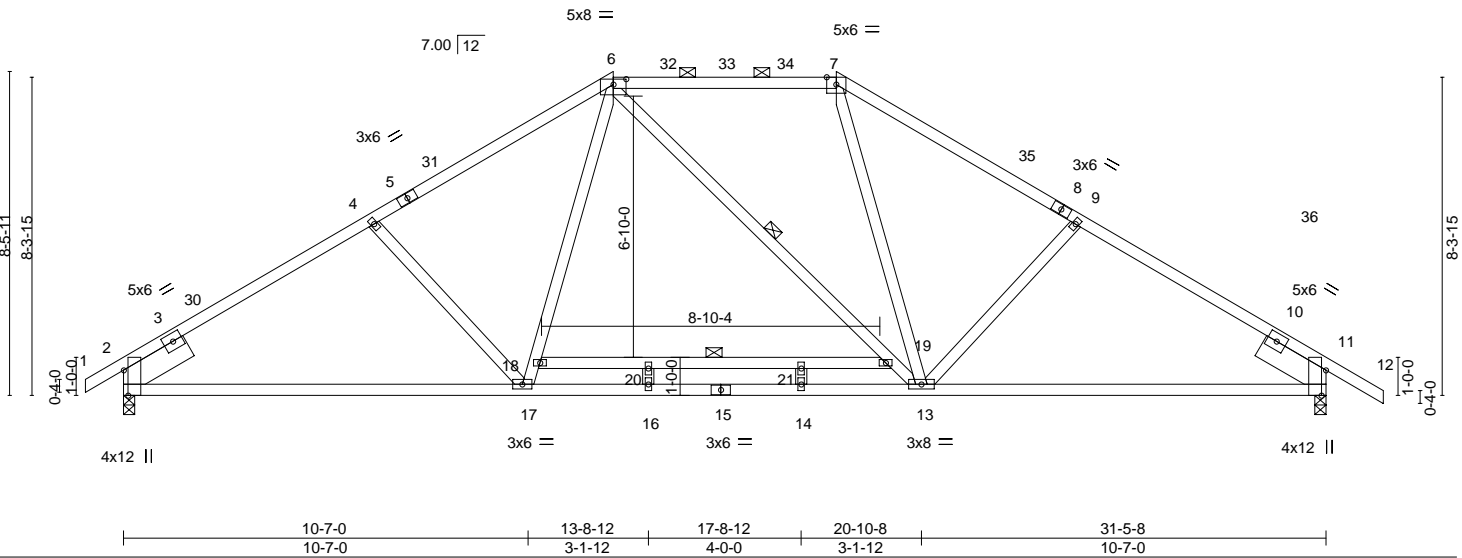


Plate Offsets (X,Y)--	[2:0-7-15,Edge], [6:0-4-0,0-1-11], [11:0-7-15,Edge]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 1.00	Vert(LL)	-0.15	14-16	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.80	Vert(CT)	-0.34	14-16	>999		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.25	Horz(CT)	0.10	11	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MS	Wind(LL)	0.08	14-16	>999		
								Weight: 189 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 1-5,8-12: 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-7-12 max.); 6-7.
BOT CHORD 2x4 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3 *Except* 18-19: 2x4 SP No.2	WEBS 1 Row at midpt 6-13, 18-19
SLIDER Left 2x8 SP DSS 1-11-12, Right 2x8 SP DSS 1-11-12	

REACTIONS. (size) 2=0-3-8, 11=0-3-8
 Max Horz 2=-161(LC 10)
 Max Uplift 2=-55(LC 12), 11=-63(LC 13)
 Max Grav 2=1317(LC 1), 11=1349(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-570/0, 3-30=-1781/86, 4-30=-1757/117, 4-5=-1574/97, 5-31=-1516/104,
 6-31=-1479/131, 6-32=-1181/160, 32-33=-1181/160, 33-34=-1181/160, 7-34=-1181/160,
 7-35=-1477/130, 8-35=-1555/103, 8-9=-1571/93, 9-36=-1768/118, 10-36=-1777/87,
 10-11=-552/0
 BOT CHORD 2-17=-100/1452, 16-17=0/1179, 15-16=0/1179, 14-15=0/1179, 13-14=0/1179,
 11-13=-18/1447
 WEBS 4-17=-286/169, 17-18=-9/443, 6-18=-3/467, 7-13=0/467, 9-13=-282/168

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) 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) -0-11-15 to 2-1-13, Interior(1) 2-1-13 to 12-9-12, Exterior(2) 12-9-12 to 17-3-2, Interior(1) 17-3-2 to 18-7-12, Exterior(2) 18-7-12 to 23-1-2, Interior(1) 23-1-2 to 32-11-7 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) Provide adequate drainage to prevent water ponding.
 - 4) All plates are 2x4 MT20 unless otherwise indicated.
 - 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 55 lb uplift at joint 2 and 63 lb uplift at joint 11.
 - 8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 9) N/A
 - 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



September 1, 2022

LOAD CASE(S)

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 HOMES/TETON	153977304
PERMIT	A05	HIP	1	1	Job Reference (optional)	

Builders FirstSource, Apex, NC 27523

8.530 s May 26 2022 MiTek Industries, Inc. Wed Aug 31 16:02:13 2022 Page 2
ID:k9haJc8HLGnwc5Ci_Kow4znDcS-DD4QM60dyPfbJg6EyT8lknDbGYD9TJtvXicoCyiHKe

LOAD CASE(S)

- 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-6=-60, 6-7=-60, 7-12=-60, 22-26=-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: 1-6=-50, 6-7=-50, 7-12=-50, 22-26=-20
- 3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=-20, 6-7=-20, 7-12=-20, 22-26=-40
- 4) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=32, 2-30=17, 6-30=12, 6-34=20, 7-34=15, 7-35=17, 11-35=12, 11-12=8, 22-26=-12
Horz: 1-2=-44, 2-30=-29, 6-30=-24, 7-35=29, 11-35=24, 11-12=20
- 5) Dead + 0.6 C-C Wind (Pos. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=8, 2-31=12, 6-31=17, 6-32=15, 7-32=20, 7-36=12, 11-36=17, 11-12=32, 22-26=-12
Horz: 1-2=-20, 2-31=-24, 6-31=-29, 7-36=24, 11-36=29, 11-12=44
- 6) Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-0, 2-6=-44, 6-7=-29, 7-11=-44, 11-12=-40, 22-26=-20
Horz: 1-2=-20, 2-6=24, 7-11=-24, 11-12=-20
- 7) Dead + 0.6 C-C Wind (Neg. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-40, 2-6=-44, 6-7=-29, 7-11=-44, 11-12=-0, 22-26=-20
Horz: 1-2=20, 2-6=24, 7-11=-24, 11-12=20
- 8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-4, 2-6=-14, 6-7=19, 7-11=5, 11-12=1, 22-26=-12
Horz: 1-2=-8, 2-6=2, 7-11=17, 11-12=13
- 9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=1, 2-6=5, 6-7=19, 7-11=-14, 11-12=-4, 22-26=-12
Horz: 1-2=-13, 2-6=-17, 7-11=-2, 11-12=8
- 10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-27, 2-6=-31, 6-7=2, 7-11=-11, 11-12=-7, 22-26=-20
Horz: 1-2=7, 2-6=11, 7-11=9, 11-12=13
- 11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-7, 2-6=-11, 6-7=2, 7-11=-31, 11-12=-27, 22-26=-20
Horz: 1-2=-13, 2-6=-9, 7-11=-11, 11-12=-7
- 12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=14, 2-6=19, 6-33=19, 7-33=5, 7-11=5, 11-12=1, 22-26=-12
Horz: 1-2=-26, 2-6=-31, 7-11=17, 11-12=13
- 13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=1, 2-6=5, 6-33=5, 7-33=19, 7-11=19, 11-12=14, 22-26=-12
Horz: 1-2=-13, 2-6=-17, 7-11=31, 11-12=26
- 14) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=5, 2-6=9, 6-33=9, 7-33=2, 7-11=2, 11-12=-3, 22-26=-12
Horz: 1-2=-17, 2-6=-21, 7-11=14, 11-12=9
- 15) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-3, 2-6=2, 6-33=2, 7-33=9, 7-11=9, 11-12=5, 22-26=-12
Horz: 1-2=-9, 2-6=-14, 7-11=21, 11-12=17
- 16) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=6, 2-6=2, 6-33=2, 7-33=-11, 7-11=-11, 11-12=-7, 22-26=-20
Horz: 1-2=-26, 2-6=-22, 7-11=9, 11-12=13
- 17) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-7, 2-6=-11, 6-33=-11, 7-33=2, 7-11=2, 11-12=6, 22-26=-20
Horz: 1-2=-13, 2-6=-9, 7-11=22, 11-12=26
- 18) Dead + Uninhabitable Attic Storage: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
Uniform Loads (plf)
Vert: 1-6=-20, 6-7=-20, 7-12=-20, 22-26=-20
- 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=-55, 2-6=-58, 6-7=-34, 7-11=-44, 11-12=-40, 22-26=-20
Horz: 1-2=5, 2-6=8, 7-11=6, 11-12=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

Continued on page 3

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818 Soundside Road
Edenton, NC 27932

Job PERMIT	Truss A05	Truss Type HIP	Qty 1	Ply 1	MATTAMY HOMES/TETON Job Reference (optional)	153977304
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Builders FirstSource, Apex, NC 27523

8.530 s May 26 2022 MiTek Industries, Inc. Wed Aug 31 16:02:13 2022 Page 3
ID:k9haJc8HLGnwac5Ci_Kow4znDcS-DD4QM60dyPfbJg6EyT8lkjnDbGYD9TJtvXicoCyiHKe

LOAD CASE(S)

Uniform Loads (plf)

Vert: 1-2=-40, 2-6=-44, 6-7=-34, 7-11=-58, 11-12=-55, 22-26=-20

Horz: 1-2=-10, 2-6=-6, 7-11=-8, 11-12=-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: 1-2=-30, 2-6=-34, 6-33=-34, 7-33=-44, 7-11=-44, 11-12=-40, 22-26=-20

Horz: 1-2=-20, 2-6=-16, 7-11=6, 11-12=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: 1-2=-40, 2-6=-44, 6-33=-44, 7-33=-34, 7-11=-34, 11-12=-30, 22-26=-20

Horz: 1-2=-10, 2-6=-6, 7-11=16, 11-12=20

23) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-6=-60, 6-7=-60, 7-12=-20, 22-26=-20

24) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-6=-20, 6-7=-60, 7-12=-60, 22-26=-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: 1-6=-50, 6-7=-50, 7-12=-20, 22-26=-20

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: 1-6=-20, 6-7=-50, 7-12=-50, 22-26=-20

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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 HOMES/TETON	153977305
PERMIT	A06	SPECIAL	1	1	Job Reference (optional)	

Builders FirstSource, Apex, NC 27523

8.530 s May 26 2022 MiTek Industries, Inc. Wed Aug 31 16:02:22 2022 Page 2
ID:k9haJc8HLGnwc5Ci_Kow4znDcS-Sx7qFB7GqAoJu2z_spPbdfmbuZemVicZQNacAyiHKV

LOAD CASE(S)

- 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-6=-60, 6-7=-60, 7-8=-60, 8-13=-60, 24-28=-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: 1-6=-50, 6-7=-50, 7-8=-50, 8-13=-50, 24-28=-20
- 3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=-20, 6-7=-20, 7-8=-20, 8-13=-20, 24-28=-40
- 4) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=32, 2-32=17, 6-32=12, 6-7=17, 7-8=15, 8-35=17, 12-35=12, 12-13=8, 24-28=-12
Horz: 1-2=-44, 2-32=-29, 6-32=-24, 6-7=29, 8-35=29, 12-35=24, 12-13=20
- 5) Dead + 0.6 C-C Wind (Pos. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=8, 2-34=12, 6-34=17, 6-7=12, 7-8=20, 8-36=12, 12-36=17, 12-13=32, 24-28=-12
Horz: 1-2=-20, 2-34=-24, 6-34=-29, 6-7=24, 8-36=24, 12-36=29, 12-13=44
- 6) Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-0, 2-6=-44, 6-7=-44, 7-8=-29, 8-12=-44, 12-13=-40, 24-28=-20
Horz: 1-2=-20, 2-6=24, 6-7=-24, 8-12=-24, 12-13=-20
- 7) Dead + 0.6 C-C Wind (Neg. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-40, 2-6=-44, 6-7=-44, 7-8=-29, 8-12=-44, 12-13=-0, 24-28=-20
Horz: 1-2=20, 2-6=24, 6-7=-24, 8-12=-24, 12-13=20
- 8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-4, 2-6=14, 6-7=5, 7-8=5, 8-12=5, 12-13=1, 24-28=-12
Horz: 1-2=-8, 2-6=2, 6-7=17, 8-12=17, 12-13=13
- 9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=1, 2-6=5, 6-7=-14, 7-8=19, 8-12=-14, 12-13=-4, 24-28=-12
Horz: 1-2=-13, 2-6=-17, 6-7=-2, 8-12=-2, 12-13=8
- 10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-27, 2-6=-31, 6-7=-11, 7-8=-11, 8-12=-11, 12-13=-7, 24-28=-20
Horz: 1-2=7, 2-6=11, 6-7=9, 8-12=9, 12-13=13
- 11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-7, 2-6=-11, 6-7=-31, 7-8=2, 8-12=-31, 12-13=-27, 24-28=-20
Horz: 1-2=-13, 2-6=-9, 6-7=-11, 8-12=-11, 12-13=-7
- 12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=14, 2-33=19, 6-33=9, 6-7=2, 7-8=2, 8-12=2, 12-13=-3, 24-28=-12
Horz: 1-2=-26, 2-33=-31, 6-33=-21, 6-7=14, 8-12=14, 12-13=9
- 13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-3, 2-6=2, 6-7=9, 7-8=9, 8-10=9, 10-12=19, 12-13=14, 24-28=-12
Horz: 1-2=9, 2-6=-14, 6-7=21, 8-10=21, 10-12=31, 12-13=26
- 14) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=5, 2-6=9, 6-7=2, 7-8=2, 8-12=2, 12-13=-3, 24-28=-12
Horz: 1-2=-17, 2-6=-21, 6-7=14, 8-12=14, 12-13=9
- 15) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-3, 2-6=2, 6-7=9, 7-8=9, 8-12=9, 12-13=5, 24-28=-12
Horz: 1-2=9, 2-6=-14, 6-7=21, 8-12=21, 12-13=17
- 16) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=6, 2-33=2, 6-33=-7, 6-7=-15, 7-8=-15, 8-12=-15, 12-13=-11, 24-28=-20
Horz: 1-2=-26, 2-33=-22, 6-33=-13, 6-7=5, 8-12=5, 12-13=9
- 17) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-11, 2-6=-15, 6-7=-7, 7-8=-7, 8-10=-7, 10-12=2, 12-13=6, 24-28=-20
Horz: 1-2=9, 2-6=-5, 6-7=13, 8-10=13, 10-12=22, 12-13=26
- 18) Dead + Uninhabitable Attic Storage: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
Uniform Loads (plf)
Vert: 1-6=-20, 6-7=-20, 7-8=-20, 8-13=-20, 24-28=-20
- 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=-55, 2-6=-58, 6-7=-44, 7-8=-44, 8-12=-44, 12-13=-40, 24-28=-20
Horz: 1-2=5, 2-6=8, 6-7=6, 8-12=6, 12-13=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

Continued on page 3

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818 Soundside Road
Edenton, NC 27932

Job PERMIT	Truss A06	Truss Type SPECIAL	Qty 1	Ply 1	MATTAMY HOMES/TETON Job Reference (optional)	153977305
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Builders FirstSource, Apex, NC 27523

8.530 s May 26 2022 MiTek Industries, Inc. Wed Aug 31 16:02:22 2022 Page 3
ID:k9haJc8HLGnwac5Ci_Kow4znDcS-Sx7qFB7GqAoJu2Iz_spPbdfmbuZemViCzQNacAyiHKV

LOAD CASE(S)

Uniform Loads (plf)

Vert: 1-2=-40, 2-6=-44, 6-7=-58, 7-8=-34, 8-12=-58, 12-13=-55, 24-28=-20

Horz: 1-2=-10, 2-6=-6, 6-7=-8, 8-12=-8, 12-13=-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: 1-2=-30, 2-33=-34, 6-33=-41, 6-7=-46, 7-8=-46, 8-12=-46, 12-13=-43, 24-28=-20

Horz: 1-2=-20, 2-33=-16, 6-33=-9, 6-7=4, 8-12=4, 12-13=7

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=-43, 2-6=-46, 6-7=-41, 7-8=-41, 8-10=-41, 10-12=-34, 12-13=-30, 24-28=-20

Horz: 1-2=-7, 2-6=-4, 6-7=9, 8-10=9, 10-12=16, 12-13=20

23) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-6=-60, 6-7=-20, 7-8=-20, 8-13=-20, 24-28=-20

24) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-6=-20, 6-7=-60, 7-8=-60, 8-13=-60, 24-28=-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: 1-6=-50, 6-7=-20, 7-8=-20, 8-13=-20, 24-28=-20

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: 1-6=-20, 6-7=-50, 7-8=-50, 8-13=-50, 24-28=-20

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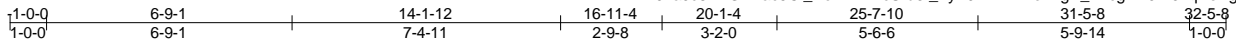


818 Soundside Road
Edenton, NC 27932

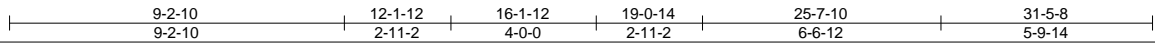
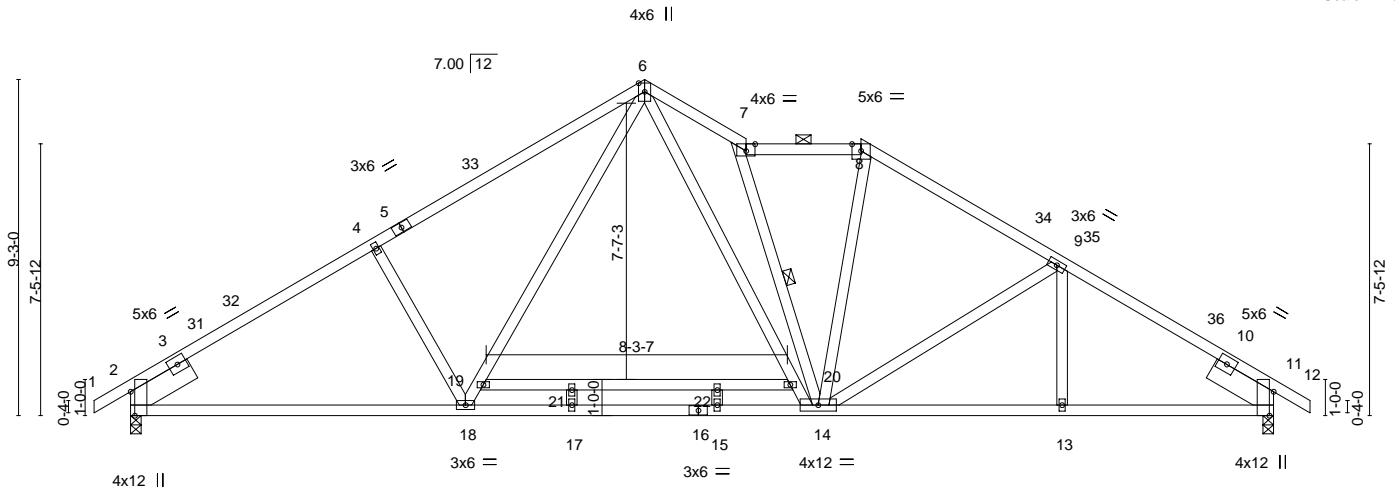
Job	Truss	Truss Type	Qty	Ply	MATTAMY HOMES/TETON	153977306
PERMIT	A07	SPECIAL	1	1	Job Reference (optional)	

Builders FirstSource, Apex, NC 27523

8.530 s May 26 2022 MiTek Industries, Inc. Wed Aug 31 16:02:33 2022 Page 1
 ID:k9haJc8HLGnwac5Ci_Kow4znDcS-d3L_ZyF9EYAmike47gV_YxcgHKJFrJ7qVeYgV1yiHKK



Scale = 1:61.7



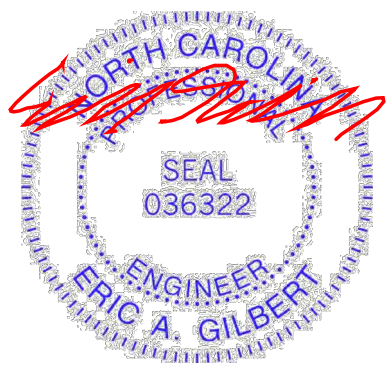
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.89	Vert(LL)	-0.15	15-17	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.97	Vert(CT)	-0.37	15-17	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.97	Horz(CT)	0.09	11	n/a		
BCDL 10.0	Code	IRC2015/TPI2014	Matrix-MS	Wind(LL)	0.07	13-14	>999		
								Weight: 206 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1 *Except* 6-7,7-8: 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (4-11-3 max.); 7-8.
BOT CHORD 2x4 SP No.1 *Except* 2-16: 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except: 2-2-0 oc bracing: 2-18.
WEBS 2x4 SP No.3 *Except* 6-14,19-20: 2x4 SP No.2	WEBS 1 Row at midpt 7-14
SLIDER Left 2x8 SP DSS 1-11-12, Right 2x8 SP DSS 1-11-12	
REACTIONS. (size) 2=0-3-8, 11=0-3-8 Max Horz 2=-174(LC 10) Max Grav 2=1318(LC 1), 11=1318(LC 1)	

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-404/0, 3-31=-1797/66, 31-32=-1772/96, 4-32=-1635/98, 4-5=-1642/106, 5-33=-1551/119, 6-33=-1530/146, 6-7=-1882/211, 7-8=-1318/123, 8-34=-1446/120, 34-35=-1506/91, 9-35=-1522/87, 9-36=-1760/83, 10-36=-1784/61
BOT CHORD 2-18=-0/1466, 17-18=0/948, 16-17=0/948, 15-16=0/948, 14-15=0/948, 13-14=-0/1453, 11-13=-0/1453
WEBS 4-18=-327/151, 18-19=-37/531, 6-19=-34/507, 6-20=-101/1079, 14-20=-121/1128, 7-14=-1068/135, 8-14=0/410, 9-14=-281/105

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) 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) -0-11-15 to 2-1-13, Interior(1) 2-1-13 to 14-1-12, Exterior(2) 14-1-12 to 16-11-4, Interior(1) 16-11-4 to 20-1-4, Exterior(2) 20-1-4 to 24-6-10, Interior(1) 24-6-10 to 32-5-7 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) Provide adequate drainage to prevent water ponding.
 - 4) All plates are 2x4 MT20 unless otherwise indicated.
 - 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) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 8) N/A
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S)



September 1, 2022

Continued on page 2

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ENGINEERING BY
TRENCO
 A MITEK COMPANY
 818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMY HOMES/TETON	153977306
PERMIT	A07	SPECIAL	1	1	Job Reference (optional)	

Builders FirstSource, Apex, NC 27523

8.530 s May 26 2022 MiTek Industries, Inc. Wed Aug 31 16:02:33 2022 Page 2
ID:k9haJc8HLGnwac5Ci_Kow4znDcS-d3l_ZyF9EYAmike47gV_YxcgHKJFrJ7qVeYgV1yiHKK

LOAD CASE(S)

- 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-6=-60, 6-7=-60, 7-8=-60, 8-12=-60, 23-27=-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: 1-6=-50, 6-7=-50, 7-8=-50, 8-12=-50, 23-27=-20
- 3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=-20, 6-7=-20, 7-8=-20, 8-12=-20, 23-27=-40
- 4) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=32, 2-31=17, 6-31=12, 6-7=17, 7-8=15, 8-34=17, 11-34=12, 11-12=8, 23-27=-12
Horz: 1-2=-44, 2-31=-29, 6-31=-24, 6-7=29, 8-34=29, 11-34=24, 11-12=20
- 5) Dead + 0.6 C-C Wind (Pos. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=8, 2-33=12, 6-33=17, 6-7=12, 7-8=20, 8-36=12, 11-36=17, 11-12=32, 23-27=-12
Horz: 1-2=-20, 2-33=-24, 6-33=-29, 6-7=24, 8-36=29, 11-36=29, 11-12=44
- 6) Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-0, 2-6=-44, 6-7=-44, 7-8=-29, 8-11=-44, 11-12=-40, 23-27=-20
Horz: 1-2=-20, 2-6=24, 6-7=-24, 8-11=-24, 11-12=-20
- 7) Dead + 0.6 C-C Wind (Neg. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-40, 2-6=-44, 6-7=-44, 7-8=-29, 8-11=-44, 11-12=-0, 23-27=-20
Horz: 1-2=20, 2-6=24, 6-7=-24, 8-11=-24, 11-12=20
- 8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-4, 2-6=14, 6-7=5, 7-8=5, 8-11=5, 11-12=1, 23-27=-12
Horz: 1-2=-8, 2-6=2, 6-7=17, 8-11=17, 11-12=13
- 9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=1, 2-6=5, 6-7=-14, 7-8=19, 8-11=-14, 11-12=-4, 23-27=-12
Horz: 1-2=-13, 2-6=-17, 6-7=-2, 8-11=-2, 11-12=8
- 10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-27, 2-6=-31, 6-7=-11, 7-8=-11, 8-11=-11, 11-12=-7, 23-27=-20
Horz: 1-2=7, 2-6=11, 6-7=9, 8-11=9, 11-12=13
- 11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-7, 2-6=-11, 6-7=-31, 7-8=2, 8-11=-31, 11-12=-27, 23-27=-20
Horz: 1-2=-13, 2-6=-9, 6-7=-11, 8-11=-11, 11-12=-7
- 12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=14, 2-32=19, 6-32=9, 6-7=2, 7-8=2, 8-11=2, 11-12=-3, 23-27=-12
Horz: 1-2=-26, 2-32=-31, 6-32=-21, 6-7=14, 8-11=14, 11-12=9
- 13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-3, 2-6=2, 6-7=9, 7-8=9, 8-35=9, 11-35=19, 11-12=14, 23-27=-12
Horz: 1-2=-9, 2-6=-14, 6-7=21, 8-35=21, 11-35=31, 11-12=26
- 14) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=5, 2-6=9, 6-7=2, 7-8=2, 8-11=2, 11-12=-3, 23-27=-12
Horz: 1-2=-17, 2-6=-21, 6-7=14, 8-11=14, 11-12=9
- 15) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-3, 2-6=2, 6-7=9, 7-8=9, 8-11=9, 11-12=5, 23-27=-12
Horz: 1-2=-9, 2-6=-14, 6-7=21, 8-11=21, 11-12=17
- 16) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=6, 2-32=2, 6-32=-7, 6-7=-15, 7-8=-15, 8-11=-15, 11-12=-11, 23-27=-20
Horz: 1-2=-26, 2-32=-22, 6-32=-13, 6-7=5, 8-11=5, 11-12=9
- 17) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-11, 2-6=-15, 6-7=-7, 7-8=-7, 8-35=-7, 11-35=2, 11-12=6, 23-27=-20
Horz: 1-2=-9, 2-6=-5, 6-7=13, 8-35=13, 11-35=22, 11-12=26
- 18) Dead + Uninhabitable Attic Storage: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
Uniform Loads (plf)
Vert: 1-6=-20, 6-7=-20, 7-8=-20, 8-12=-20, 23-27=-20
- 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=-55, 2-6=-58, 6-7=-44, 7-8=-44, 8-11=-44, 11-12=-40, 23-27=-20
Horz: 1-2=5, 2-6=8, 6-7=6, 8-11=6, 11-12=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

Continued on page 3

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 PERMIT	Truss A07	Truss Type SPECIAL	Qty 1	Ply 1	MATTAMY HOMES/TETON Job Reference (optional)	153977306
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Builders FirstSource, Apex, NC 27523

8.530 s May 26 2022 MiTek Industries, Inc. Wed Aug 31 16:02:33 2022 Page 3
ID:k9haJc8HLGnwac5Ci_Kow4znDcS-d3l_ZyF9EYAmike47gV_YxcgHKJFrJ7qVeYgV1yiHKK

LOAD CASE(S)

Uniform Loads (plf)

Vert: 1-2=-40, 2-6=-44, 6-7=-58, 7-8=-34, 8-11=-58, 11-12=-55, 23-27=-20

Horz: 1-2=-10, 2-6=-6, 6-7=-8, 8-11=-8, 11-12=-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: 1-2=-30, 2-32=-34, 6-32=-41, 6-7=-46, 7-8=-46, 8-11=-46, 11-12=-43, 23-27=-20

Horz: 1-2=-20, 2-32=-16, 6-32=-9, 6-7=4, 8-11=4, 11-12=7

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=-43, 2-6=-46, 6-7=-41, 7-8=-41, 8-35=-41, 11-35=-34, 11-12=-30, 23-27=-20

Horz: 1-2=-7, 2-6=-4, 6-7=9, 8-35=9, 11-35=16, 11-12=20

23) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-6=-60, 6-7=-20, 7-8=-20, 8-12=-20, 23-27=-20

24) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-6=-20, 6-7=-60, 7-8=-60, 8-12=-60, 23-27=-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: 1-6=-50, 6-7=-20, 7-8=-20, 8-12=-20, 23-27=-20

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: 1-6=-20, 6-7=-50, 7-8=-50, 8-12=-50, 23-27=-20

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



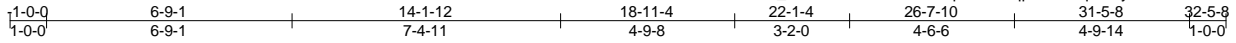
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMY HOMES/TETON	153977307
PERMIT	A08	SPECIAL	1	1	Job Reference (optional)	

Builders FirstSource, Apex, NC 27523

8.530 s May 26 2022 MiTek Industries, Inc. Wed Aug 31 16:02:42 2022 Page 1

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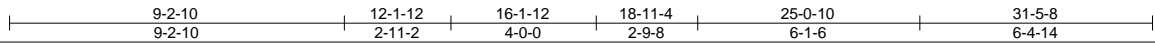
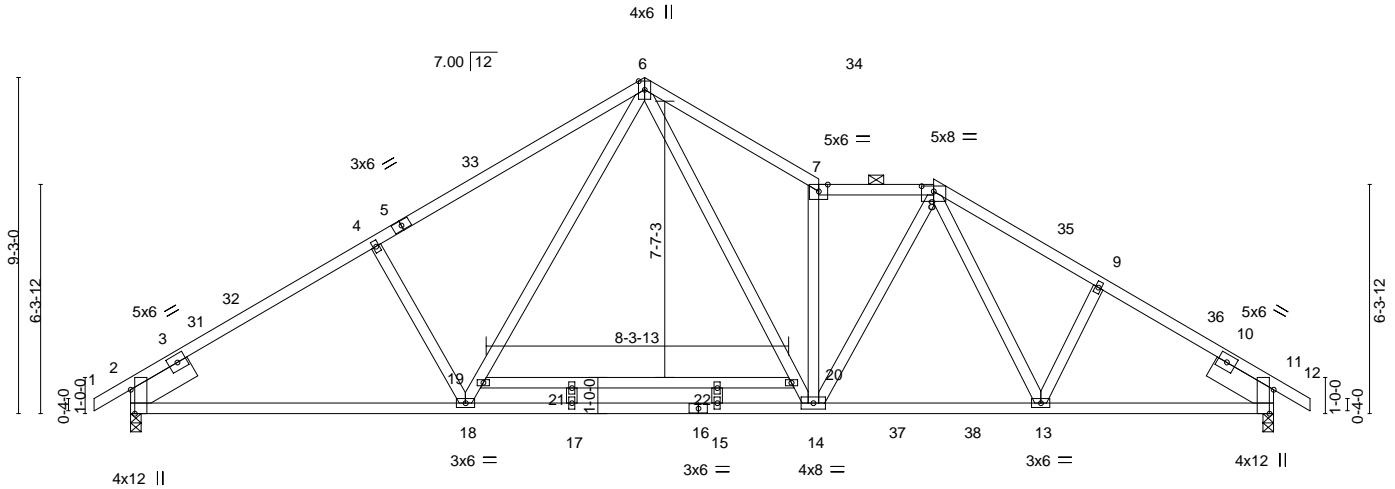


Plate Offsets (X,Y)-- [2:0-7-15,Edge], [8:0-4-0,0-1-11], [11:0-7-15,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.88	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.97	Vert(LL) -0.15 15-17 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.85	Vert(CT) -0.36 15-17 >999 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.09 11 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.06 17 >999 240	Weight: 201 lb	FT = 20%

LUMBER-

- TOP CHORD 2x4 SP No.1 *Except*
6-7,7-8: 2x4 SP No.2
- BOT CHORD 2x4 SP No.2
- WEBS 2x4 SP No.3 *Except*
19-20: 2x4 SP No.2
- SLIDER Left 2x8 SP DSS 1-11-12, Right 2x8 SP DSS 1-11-12

BRACING-

- TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-6-12 max.); 7-8.
- BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except: 2-2-0 oc bracing: 2-18.

REACTIONS.

- (size) 2=0-3-8, 11=0-3-8
- Max Horz 2=174(LC 11)
- Max Grav 2=1318(LC 1), 11=1318(LC 1)

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

- TOP CHORD 2-3=-410/0, 3-31=-1797/70, 31-32=-1773/100, 4-32=-1636/102, 4-5=-1642/109, 5-33=-1551/123, 6-33=-1529/150, 6-34=-1864/193, 7-34=-1879/163, 7-8=-1588/119, 8-35=-1626/126, 9-35=-1667/108, 9-36=-1755/92, 10-36=-1779/71
- BOT CHORD 2-18=0/1467, 17-18=0/1063, 16-17=0/1063, 15-16=0/1063, 14-15=0/1362, 14-37=0/1362, 37-38=0/1362, 13-38=0/1362, 11-13=-19/1440
- WEBS 4-18=-332/151, 18-19=-42/494, 6-19=-33/513, 6-20=-79/1012, 14-20=-93/1006, 7-14=-1127/150, 8-14=0/472

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) -0-11-15 to 2-1-13, Interior(1) 2-1-13 to 14-1-12, Exterior(2) 14-1-12 to 18-7-2, Interior(1) 18-7-2 to 22-1-4, Exterior(2) 22-1-4 to 26-8-6, Interior(1) 26-8-6 to 32-5-7 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 2x4 MT20 unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 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)

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



September 1, 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 HOMES/TETON	153977307
PERMIT	A08	SPECIAL	1	1	Job Reference (optional)	

Builders FirstSource, Apex, NC 27523

8.530 s May 26 2022 MiTek Industries, Inc. Wed Aug 31 16:02:42 2022 Page 2
ID:k9haJc8HLGnwc5Ci_Kow4znDcS-soLOS0Mp7JUJ7qp93A5PqUC3yOFSQ98ZYDeK0yiHKB

LOAD CASE(S)

- Uniform Loads (plf)
Vert: 1-6=-60, 6-7=-60, 7-8=-60, 8-12=-60, 23-27=-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: 1-6=-50, 6-7=-50, 7-8=-50, 8-12=-50, 23-37=-20, 37-38=-50, 27-38=-20
- 3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=-20, 6-7=-20, 7-8=-20, 8-12=-20, 23-27=-40
- 4) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=32, 2-31=17, 6-31=12, 6-34=17, 7-34=12, 7-8=15, 8-9=17, 9-11=12, 11-12=8, 23-27=-12
Horz: 1-2=-44, 2-31=-29, 6-31=-24, 6-34=29, 7-34=24, 8-9=29, 9-11=24, 11-12=20
- 5) Dead + 0.6 C-C Wind (Pos. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=8, 2-33=12, 6-33=17, 6-7=12, 7-8=20, 8-36=12, 11-36=17, 11-12=32, 23-27=-12
Horz: 1-2=-20, 2-33=-24, 6-33=-29, 6-7=24, 8-36=24, 11-36=29, 11-12=44
- 6) Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-0, 2-6=-44, 6-7=-44, 7-8=-29, 8-11=-44, 11-12=-40, 23-27=-20
Horz: 1-2=-20, 2-6=24, 6-7=-24, 8-11=-24, 11-12=-20
- 7) Dead + 0.6 C-C Wind (Neg. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-40, 2-6=-44, 6-7=-44, 7-8=-29, 8-11=-44, 11-12=-0, 23-27=-20
Horz: 1-2=20, 2-6=24, 6-7=-24, 8-11=-24, 11-12=20
- 8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-4, 2-6=-14, 6-7=5, 7-8=5, 8-11=5, 11-12=1, 23-27=-12
Horz: 1-2=-8, 2-6=2, 6-7=17, 8-11=17, 11-12=13
- 9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=1, 2-6=5, 6-7=-14, 7-8=19, 8-11=-14, 11-12=-4, 23-27=-12
Horz: 1-2=-13, 2-6=-17, 6-7=-2, 8-11=-2, 11-12=8
- 10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-27, 2-6=-31, 6-7=-11, 7-8=-11, 8-11=-11, 11-12=-7, 23-27=-20
Horz: 1-2=7, 2-6=11, 6-7=9, 8-11=9, 11-12=13
- 11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-7, 2-6=-11, 6-7=-31, 7-8=2, 8-11=-31, 11-12=-27, 23-27=-20
Horz: 1-2=-13, 2-6=-9, 6-7=-11, 8-11=-11, 11-12=-7
- 12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=14, 2-32=19, 6-32=9, 6-7=2, 7-8=2, 8-11=2, 11-12=-3, 23-27=-12
Horz: 1-2=-26, 2-32=-31, 6-32=-21, 6-7=14, 8-11=14, 11-12=9
- 13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-3, 2-6=2, 6-7=9, 7-8=9, 8-35=9, 11-35=19, 11-12=14, 23-27=-12
Horz: 1-2=9, 2-6=-14, 6-7=21, 8-35=21, 11-35=31, 11-12=26
- 14) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=5, 2-6=9, 6-7=2, 7-8=2, 8-11=2, 11-12=-3, 23-27=-12
Horz: 1-2=-17, 2-6=-21, 6-7=14, 8-11=14, 11-12=9
- 15) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-3, 2-6=2, 6-7=9, 7-8=9, 8-11=9, 11-12=5, 23-27=-12
Horz: 1-2=-9, 2-6=-14, 6-7=21, 8-11=21, 11-12=17
- 16) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=6, 2-32=2, 6-32=-7, 6-7=-15, 7-8=-15, 8-11=-15, 11-12=-11, 23-27=-20
Horz: 1-2=-26, 2-32=-22, 6-32=-13, 6-7=5, 8-11=5, 11-12=9
- 17) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-11, 2-6=-15, 6-7=-7, 7-8=-7, 8-35=-7, 11-35=2, 11-12=6, 23-27=-20
Horz: 1-2=-9, 2-6=-5, 6-7=13, 8-35=13, 11-35=22, 11-12=26
- 18) Dead + Uninhabitable Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=-20, 6-7=-20, 7-8=-20, 8-12=-20, 23-37=-20, 37-38=-60, 27-38=-20
- 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=-55, 2-6=-58, 6-7=-44, 7-8=-44, 8-11=-44, 11-12=-40, 23-37=-20, 37-38=-50, 27-38=-20
Horz: 1-2=5, 2-6=8, 6-7=6, 8-11=6, 11-12=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

Continued on page 3

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818 Soundside Road
Edenton, NC 27932

Job PERMIT	Truss A08	Truss Type SPECIAL	Qty 1	Ply 1	MATTAMY HOMES/TETON Job Reference (optional)	153977307
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Builders FirstSource, Apex, NC 27523

8.530 s May 26 2022 MiTek Industries, Inc. Wed Aug 31 16:02:42 2022 Page 3
ID:k9haJc8HLGnwac5Ci_Kow4znDcS-soLOS0Mp7JJUI7qp93A5PqUC3yOFSQ98ZYDeK0yiHKB

LOAD CASE(S)

Uniform Loads (plf)

Vert: 1-2=-40, 2-6=-44, 6-7=-58, 7-8=-34, 8-11=-58, 11-12=-55, 23-37=-20, 37-38=-50, 27-38=-20

Horz: 1-2=-10, 2-6=-6, 6-7=-8, 8-11=-8, 11-12=-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: 1-2=-30, 2-32=-34, 6-32=-41, 6-7=-46, 7-8=-46, 8-11=-46, 11-12=-43, 23-37=-20, 37-38=-50, 27-38=-20

Horz: 1-2=-20, 2-32=-16, 6-32=-9, 6-7=4, 8-11=4, 11-12=7

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=-43, 2-6=-46, 6-7=-41, 7-8=-41, 8-35=-41, 11-35=-34, 11-12=-30, 23-37=-20, 37-38=-50, 27-38=-20

Horz: 1-2=-7, 2-6=-4, 6-7=9, 8-35=9, 11-35=16, 11-12=20

23) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-6=-60, 6-7=-20, 7-8=-20, 8-12=-20, 23-27=-20

24) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-6=-20, 6-7=-60, 7-8=-60, 8-12=-60, 23-27=-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: 1-6=-50, 6-7=-20, 7-8=-20, 8-12=-20, 23-37=-20, 37-38=-50, 27-38=-20

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: 1-6=-20, 6-7=-50, 7-8=-50, 8-12=-50, 23-37=-20, 37-38=-50, 27-38=-20

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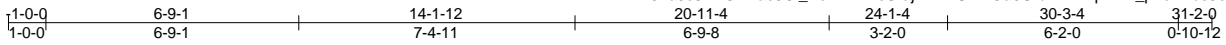
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMY HOMES/TETON	153977308
PERMIT	A09	SPECIAL	1	1		

Builders FirstSource, Apex, NC 27523

8.530 s May 26 2022 MiTek Industries, Inc. Wed Aug 31 16:02:52 2022 Page 1

ID:k9haJc8HLGnwac5Ci_Kow4znDcS-ajxAYRU4mOa3UfbkkALRpxvwL_p1ozwds5eAgRyiHK1



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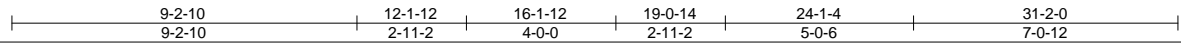
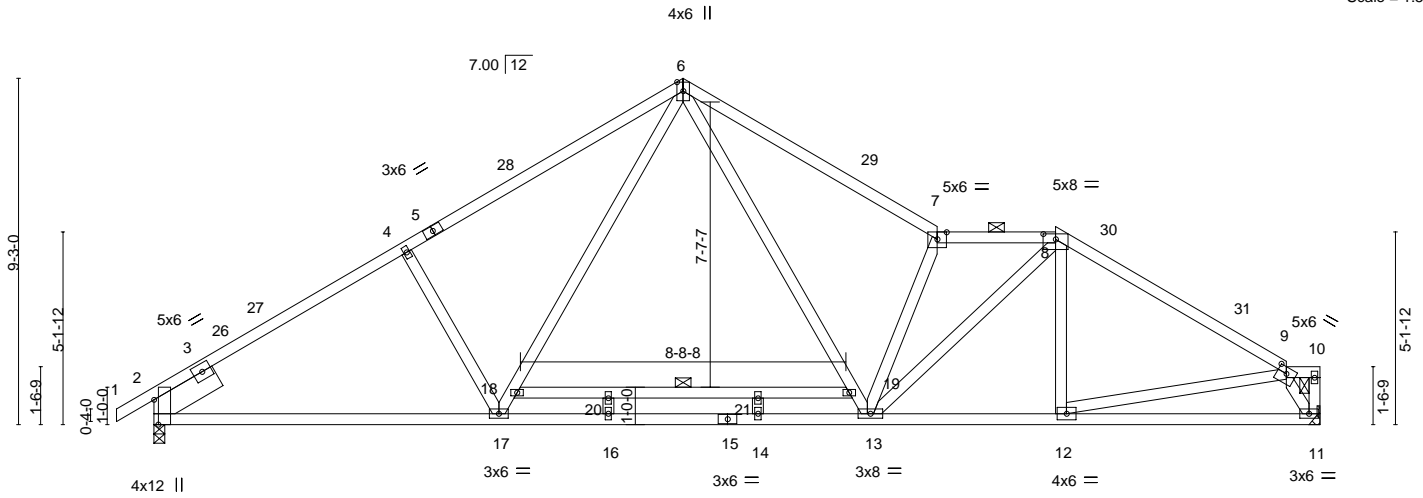


Plate Offsets (X,Y)-- [2:0-7-15,Edge], [8:0-4-0,0-1-11], [9:0-3-0,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.87	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.95	Vert(LL) -0.17 14-16 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.71	Vert(CT) -0.41 14-16 >913 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.06 11 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.06 14-16 >999 240	Weight: 196 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1 *Except* 7-8,8-9,9-10: 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (4-0-9 max.): 7-8, 9-10.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 SP No.3 *Except* 18-19: 2x4 SP No.2	WEBS 1 Row at midpt 18-19
SLIDER Left 2x8 SP DSS 1-11-12	

REACTIONS. (size) 11=Mechanical, 2=0-3-8
Max Horz 2=189(LC 11)
Max Grav 11=1240(LC 1), 2=1302(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-393/0, 3-26=-1769/63, 26-27=-1746/93, 4-27=-1608/95, 4-5=-1615/103,
5-28=-1522/117, 6-28=-1504/143, 6-29=-1761/162, 7-29=-1857/135, 7-8=-1938/123,
8-30=-1541/81, 30-31=-1608/64, 9-31=-1702/55
BOT CHORD 2-17=-55/1443, 16-17=0/1069, 15-16=0/1069, 14-15=0/1069, 13-14=0/1069,
12-13=-26/1389, 11-12=-61/781
WEBS 4-17=-331/150, 17-18=-39/495, 6-18=-27/524, 6-19=-43/908, 13-19=-58/884,
7-13=-1254/151, 8-13=-37/774, 9-12=0/622, 9-11=-1468/165

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) 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) -0-11-15 to 2-1-7, Interior(1) 2-1-7 to 14-1-12, Exterior(2) 14-1-12 to 18-6-10, Interior(1) 18-6-10 to 24-1-4, Exterior(2) 24-1-4 to 28-6-2, Interior(1) 28-6-2 to 31-0-4 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
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) All plates are 2x4 MT20 unless otherwise indicated.
 - 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) Refer to girder(s) for truss to truss connections.
 - 8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 9) N/A
 - 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S)



September 1, 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.

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 HOMES/TETON	153977308
PERMIT	A09	SPECIAL	1	1	Job Reference (optional)	

Builders FirstSource, Apex, NC 27523

8.530 s May 26 2022 MiTek Industries, Inc. Wed Aug 31 16:02:52 2022 Page 2
ID:k9haJc8HLGnwac5Ci_Kow4znDcS-ajxAYRU4mOa3UfbkkALRpxvwl_p1ozwds5eAgRyHk1

LOAD CASE(S)

- 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-6=-60, 6-7=-60, 7-8=-60, 8-9=-60, 9-10=-60, 11-22=-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: 1-6=-50, 6-7=-50, 7-8=-50, 8-9=-50, 9-10=-50, 11-22=-20
- 3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=-20, 6-7=-20, 7-8=-20, 8-9=-20, 9-10=-20, 11-22=-40
- 4) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=32, 2-26=17, 6-26=12, 6-29=17, 7-29=12, 7-8=15, 8-31=17, 9-31=12, 9-10=15, 11-22=-12
Horz: 1-2=-44, 2-26=-29, 6-26=-24, 6-29=29, 7-29=24, 8-31=29, 9-31=24, 9-10=27, 10-11=25
- 5) Dead + 0.6 C-C Wind (Pos. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=8, 2-28=12, 6-28=17, 6-7=12, 7-8=20, 8-9=12, 9-10=20, 11-22=-12
Horz: 1-2=-20, 2-28=-24, 6-28=-29, 6-7=24, 8-9=24, 9-10=32, 10-11=-14
- 6) Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-0, 2-6=-44, 6-7=-44, 7-8=-29, 8-9=-44, 9-10=-29, 11-22=-20
Horz: 1-2=-20, 2-6=24, 6-7=-24, 8-9=-24, 9-10=-9, 10-11=23
- 7) Dead + 0.6 C-C Wind (Neg. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-40, 2-6=-44, 6-7=-44, 7-8=-29, 8-9=-44, 9-10=-29, 11-22=-20
Horz: 1-2=20, 2-6=24, 6-7=-24, 8-9=-24, 9-10=-9, 10-11=16
- 8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-4, 2-6=14, 6-7=5, 7-8=5, 8-9=5, 9-10=5, 11-22=-12
Horz: 1-2=-8, 2-6=2, 6-7=17, 8-9=17, 9-10=17, 10-11=16
- 9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=1, 2-6=5, 6-7=-14, 7-8=19, 8-9=-14, 9-10=19, 11-22=-12
Horz: 1-2=-13, 2-6=-17, 6-7=-2, 8-9=-2, 9-10=31, 10-11=-13
- 10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-27, 2-6=-31, 6-7=-11, 7-8=-11, 8-9=-11, 9-10=-11, 11-22=-20
Horz: 1-2=7, 2-6=11, 6-7=9, 8-9=9, 9-10=9, 10-11=7
- 11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-7, 2-6=-11, 6-7=-31, 7-8=2, 8-9=-31, 9-10=2, 11-22=-20
Horz: 1-2=-13, 2-6=-9, 6-7=-11, 8-9=-11, 9-10=22, 10-11=-21
- 12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=14, 2-27=19, 6-27=9, 6-7=2, 7-8=2, 8-9=2, 9-10=2, 11-22=-12
Horz: 1-2=-26, 2-27=-31, 6-27=-21, 6-7=14, 8-9=14, 9-10=14, 10-11=12
- 13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-3, 2-6=2, 6-7=9, 7-8=9, 8-30=9, 9-30=19, 9-10=19, 11-22=-12
Horz: 1-2=-9, 2-6=-14, 6-7=21, 8-30=21, 9-30=31, 9-10=31, 10-11=-11
- 14) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=5, 2-6=9, 6-7=2, 7-8=2, 8-9=2, 9-10=2, 11-22=-12
Horz: 1-2=-17, 2-6=-21, 6-7=14, 8-9=14, 9-10=14, 10-11=12
- 15) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-3, 2-6=2, 6-7=9, 7-8=9, 8-9=9, 9-10=9, 11-22=-12
Horz: 1-2=-9, 2-6=-14, 6-7=21, 8-9=21, 9-10=21, 10-11=-5
- 16) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=6, 2-27=2, 6-27=-7, 6-7=-15, 7-8=-15, 8-9=-15, 9-10=-15, 11-22=-20
Horz: 1-2=-26, 2-27=-22, 6-27=-13, 6-7=5, 8-9=5, 9-10=5, 10-11=3
- 17) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-11, 2-6=-15, 6-7=-7, 7-8=-7, 8-30=-7, 9-30=2, 9-10=2, 11-22=-20
Horz: 1-2=-9, 2-6=-5, 6-7=13, 8-30=13, 9-30=22, 9-10=22, 10-11=-19
- 18) Dead + Uninhabitable Attic Storage: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
Uniform Loads (plf)
Vert: 1-6=-20, 6-7=-20, 7-8=-20, 8-9=-20, 9-10=-20, 11-22=-20
- 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=-55, 2-6=-58, 6-7=-44, 7-8=-44, 8-9=-44, 9-10=-44, 11-22=-20
Horz: 1-2=5, 2-6=8, 6-7=6, 8-9=6, 9-10=6, 10-11=6
- 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

Continued on page 3

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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 HOMES/TETON	153977308
PERMIT	A09	SPECIAL	1	1	Job Reference (optional)	

Builders FirstSource, Apex, NC 27523

8.530 s May 26 2022 MiTek Industries, Inc. Wed Aug 31 16:02:52 2022 Page 3
 ID:k9haJc8HLGnwac5Ci_Kow4znDcS-ajxAYRU4mOa3UfbkkALRpxvwl_p1ozwds5eAgRyihK1

LOAD CASE(S)

Uniform Loads (plf)

Vert: 1-2=-40, 2-6=-44, 6-7=-58, 7-8=-34, 8-9=-58, 9-10=-34, 11-22=-20

Horz: 1-2=-10, 2-6=-6, 6-7=-8, 8-9=-8, 9-10=16, 10-11=16

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=-30, 2-27=-34, 6-27=-41, 6-7=-46, 7-8=-46, 8-9=-46, 9-10=-46, 11-22=-20

Horz: 1-2=-20, 2-27=-16, 6-27=-9, 6-7=4, 8-9=4, 9-10=4, 10-11=2

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=-43, 2-6=-46, 6-7=-41, 7-8=-41, 8-30=-41, 9-30=-34, 9-10=-34, 11-22=-20

Horz: 1-2=-7, 2-6=-4, 6-7=9, 8-30=9, 9-30=16, 9-10=16, 10-11=-15

23) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-6=-60, 6-7=-20, 7-8=-20, 8-9=-20, 9-10=-20, 11-22=-20

24) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-6=-20, 6-7=-60, 7-8=-60, 8-9=-60, 9-10=-60, 11-22=-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: 1-6=-50, 6-7=-20, 7-8=-20, 8-9=-20, 9-10=-20, 11-22=-20

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: 1-6=-20, 6-7=-50, 7-8=-50, 8-9=-50, 9-10=-50, 11-22=-20

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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**

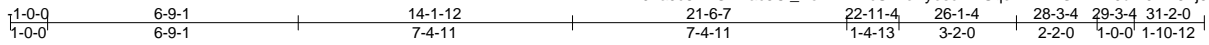


818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMY HOMES/TETON	153977309
PERMIT	A10	SPECIAL	1	1	Job Reference (optional)	

Builders FirstSource, Apex, NC 27523

8.530 s May 26 2022 MiTek Industries, Inc. Wed Aug 31 16:03:02 2022 Page 1
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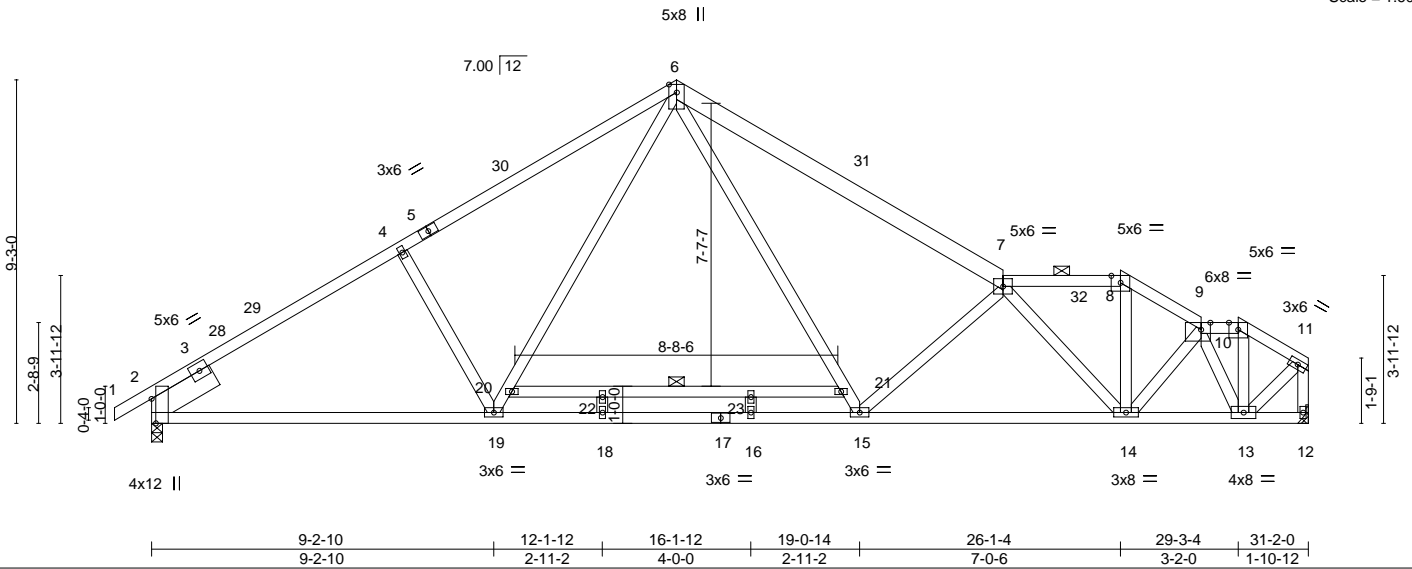


Plate Offsets (X,Y)--	[2:0-7-15,Edge], [9:0-3-0,Edge]
-----------------------	---------------------------------

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.86	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.94	Vert(LL) -0.15 16-18 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.49	Vert(CT) -0.37 16-18 >999 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.07 12 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.05 16-18 >999 240	Weight: 204 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 5-6,1-5: 2x4 SP No.1, 6-7: 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (4-9-13 max.); 7-8, 9-10.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 SP No.3 *Except* 20-21: 2x4 SP No.2	2-2-0 oc bracing: 2-19.
SLIDER Left 2x8 SP DSS 1-11-12	WEBS 1 Row at midpt 20-21

REACTIONS. (size) 12=Mechanical, 2=0-3-8
Max Horz 2=195(LC 11)
Max Grav 12=1240(LC 1), 2=1302(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-405/0, 3-28=-1766/59, 28-29=-1743/88, 4-29=-1605/91, 4-5=-1612/98,
5-30=-1519/112, 6-30=-1504/139, 6-31=-1707/125, 7-31=-1842/97, 7-32=-1361/76,
8-32=-1359/76, 8-9=-1621/77, 9-10=-770/56, 10-11=-918/54, 11-12=-1203/57
BOT CHORD 2-19=-59/1440, 18-19=0/1114, 17-18=0/1114, 16-17=0/1114, 15-16=0/1114,
14-15=-86/2028, 13-14=-57/1243
WEBS 4-19=-325/149, 19-20=-43/474, 6-20=-29/512, 6-21=0/822, 15-21=-4/785, 7-15=-771/144,
7-14=-1002/71, 8-14=-13/683, 9-13=-1125/40, 10-13=-4/300, 11-13=-37/1061

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) 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) -0-11-15 to 2-1-7, Interior(1) 2-1-7 to 14-1-12, Exterior(2) 14-1-12 to 18-6-10, Interior(1) 18-6-10 to 26-1-4, Exterior(2) 26-1-4 to 28-3-4, Interior(1) 28-3-4 to 29-3-4, Exterior(2) 29-3-4 to 31-0-4 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
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) All plates are 2x4 MT20 unless otherwise indicated.
 - 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) Refer to girder(s) for truss to truss connections.
 - 8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 9) N/A
 - 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



LOAD CASE(S)

Continued on page 2

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TRENCO
ENGINEERING BY
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMY HOMES/TETON	153977309
PERMIT	A10	SPECIAL	1	1	Job Reference (optional)	

Builders FirstSource, Apex, NC 27523

8.530 s May 26 2022 MiTek Industries, Inc. Wed Aug 31 16:03:02 2022 Page 2
ID:k9haJc8HLGnwac5Ci_Kow4znDcS-HeYyescMPSqehBMfKGXnD2JdMOER8Zj5Af3i0syiHJt

LOAD CASE(S)

- 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-6=-60, 6-7=-60, 7-8=-60, 8-9=-60, 9-10=-60, 10-11=-60, 12-24=-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: 1-6=-50, 6-7=-50, 7-8=-50, 8-9=-50, 9-10=-50, 10-11=-50, 12-24=-20
- 3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=-20, 6-7=-20, 7-8=-20, 8-9=-20, 9-10=-20, 10-11=-20, 12-24=-40
- 4) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=32, 2-28=17, 6-28=12, 6-31=17, 7-31=12, 7-8=15, 8-9=17, 9-10=15, 10-11=17, 12-24=-12
Horz: 1-2=-44, 2-28=-29, 6-28=-24, 6-31=29, 7-31=24, 8-9=29, 10-11=29, 11-12=25
Drag: 7-8=0
- 5) Dead + 0.6 C-C Wind (Pos. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=8, 2-30=12, 6-30=17, 6-7=12, 7-8=20, 8-9=12, 9-10=20, 10-11=17, 12-24=-12
Horz: 1-2=-20, 2-30=-24, 6-30=-29, 6-7=24, 8-9=24, 10-11=29, 11-12=-14
Drag: 7-8=0
- 6) Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-0, 2-6=-44, 6-7=-44, 7-8=-29, 8-9=-44, 9-10=-29, 10-11=-44, 12-24=-20
Horz: 1-2=-20, 2-6=24, 6-7=-24, 8-9=-24, 10-11=-24, 11-12=-23
Drag: 7-8=0
- 7) Dead + 0.6 C-C Wind (Neg. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-40, 2-6=-44, 6-7=-44, 7-8=-29, 8-9=-44, 9-10=-29, 10-11=-44, 12-24=-20
Horz: 1-2=-20, 2-6=24, 6-7=-24, 8-9=-24, 10-11=-24, 11-12=16
Drag: 7-8=0
- 8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-4, 2-6=-14, 6-7=5, 7-8=5, 8-9=5, 9-10=5, 10-11=5, 12-24=-12
Horz: 1-2=-8, 2-6=2, 6-7=17, 8-9=17, 10-11=17, 11-12=16
Drag: 7-8=0
- 9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=1, 2-6=5, 6-7=-14, 7-8=19, 8-9=-14, 9-10=19, 10-11=-14, 12-24=-12
Horz: 1-2=-13, 2-6=-17, 6-7=-2, 8-9=-2, 10-11=-2, 11-12=-13
Drag: 7-8=0
- 10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-27, 2-6=-31, 6-7=-11, 7-8=-11, 8-9=-11, 9-10=-11, 10-11=-11, 12-24=-20
Horz: 1-2=7, 2-6=11, 6-7=9, 8-9=9, 10-11=9, 11-12=7
Drag: 7-8=0
- 11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-7, 2-6=-11, 6-7=-31, 7-8=2, 8-9=-31, 9-10=2, 10-11=-31, 12-24=-20
Horz: 1-2=-13, 2-6=-9, 6-7=-11, 8-9=-11, 10-11=-11, 11-12=-21
Drag: 7-8=0
- 12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=14, 2-29=19, 6-29=9, 6-7=2, 7-8=2, 8-9=2, 9-10=2, 10-11=2, 12-24=-12
Horz: 1-2=-26, 2-29=-31, 6-29=-21, 6-7=14, 8-9=14, 10-11=14, 11-12=12
Drag: 7-8=0
- 13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-3, 2-6=2, 6-7=9, 7-32=9, 8-32=19, 8-9=19, 9-10=19, 10-11=19, 12-24=-12
Horz: 1-2=-9, 2-6=-14, 6-7=21, 8-9=31, 10-11=31, 11-12=-11
Drag: 7-32=0, 8-32=0
- 14) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=5, 2-6=9, 6-7=2, 7-8=2, 8-9=2, 9-10=2, 10-11=2, 12-24=-12
Horz: 1-2=-17, 2-6=-21, 6-7=14, 8-9=14, 10-11=14, 11-12=12
Drag: 7-8=0
- 15) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-3, 2-6=2, 6-7=9, 7-8=9, 8-9=9, 9-10=9, 10-11=9, 12-24=-12
Horz: 1-2=-9, 2-6=-14, 6-7=21, 8-9=21, 10-11=21, 11-12=-5
Drag: 7-8=0
- 16) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=6, 2-29=2, 6-29=-7, 6-7=-15, 7-8=-15, 8-9=-15, 9-10=-15, 10-11=-15, 12-24=-20
Horz: 1-2=-26, 2-29=-22, 6-29=-13, 6-7=5, 8-9=5, 10-11=5, 11-12=3
Drag: 7-8=0
- 17) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60

Continued on page 3

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 HOMES/TETON	153977309
PERMIT	A10	SPECIAL	1	1	Job Reference (optional)	

Builders FirstSource, Apex, NC 27523

8.530 s May 26 2022 MiTek Industries, Inc. Wed Aug 31 16:03:02 2022 Page 3
 ID:k9haJc8HLGnwac5Ci_Kow4znDcS-HeYyescMPSqehBMfKGXnD2JdMOER8Zj5Af3i0syihJt

LOAD CASE(S)

- Uniform Loads (plf)
 - Vert: 1-2=-11, 2-6=-15, 6-7=-7, 7-32=-7, 8-32=2, 8-9=2, 9-10=2, 10-11=2, 12-24=-20
 - Horz: 1-2=-9, 2-6=-5, 6-7=13, 8-9=22, 10-11=22, 11-12=-19
 - Drag: 7-32=0, 8-32=0
- 18) Dead + Uninhabitable Attic Storage: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
 - Uniform Loads (plf)
 - Vert: 1-6=-20, 6-7=-20, 7-8=-20, 8-9=-20, 9-10=-20, 10-11=-20, 12-24=-20
- 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=-55, 2-6=-58, 6-7=-44, 7-8=-44, 8-9=-44, 9-10=-44, 10-11=-44, 12-24=-20
 - Horz: 1-2=5, 2-6=8, 6-7=6, 8-9=6, 10-11=6, 11-12=6
 - Drag: 7-8=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=-40, 2-6=-44, 6-7=-58, 7-8=-34, 8-9=-58, 9-10=-34, 10-11=-58, 12-24=-20
 - Horz: 1-2=-10, 2-6=-6, 6-7=-8, 8-9=-8, 10-11=-8, 11-12=-16
 - Drag: 7-8=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=-30, 2-29=-34, 6-29=-41, 6-7=-46, 7-8=-46, 8-9=-46, 9-10=-46, 10-11=-46, 12-24=-20
 - Horz: 1-2=-20, 2-29=-16, 6-29=-9, 6-7=4, 8-9=4, 10-11=4, 11-12=2
 - Drag: 7-8=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=-43, 2-6=-46, 6-7=-41, 7-32=-41, 8-32=-34, 8-9=-34, 9-10=-34, 10-11=-34, 12-24=-20
 - Horz: 1-2=-7, 2-6=-4, 6-7=9, 8-9=16, 10-11=16, 11-12=-15
 - Drag: 7-32=0, 8-32=0
- 23) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15
 - Uniform Loads (plf)
 - Vert: 1-6=-60, 6-7=-20, 7-8=-20, 8-9=-20, 9-10=-20, 10-11=-20, 12-24=-20
- 24) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15
 - Uniform Loads (plf)
 - Vert: 1-6=-20, 6-7=-60, 7-8=-60, 8-9=-60, 9-10=-60, 10-11=-60, 12-24=-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: 1-6=-50, 6-7=-20, 7-8=-20, 8-9=-20, 9-10=-20, 10-11=-20, 12-24=-20
- 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: 1-6=-20, 6-7=-50, 7-8=-50, 8-9=-50, 9-10=-50, 10-11=-50, 12-24=-20

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

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

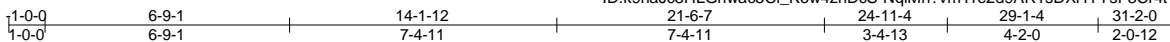


818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMY HOMES/TETON	153977310
PERMIT	A11	SPECIAL	1	1	Job Reference (optional)	

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

8.530 s Aug 11 2022 MiTek Industries, Inc. Wed Aug 31 15:48:14 2022 Page 1
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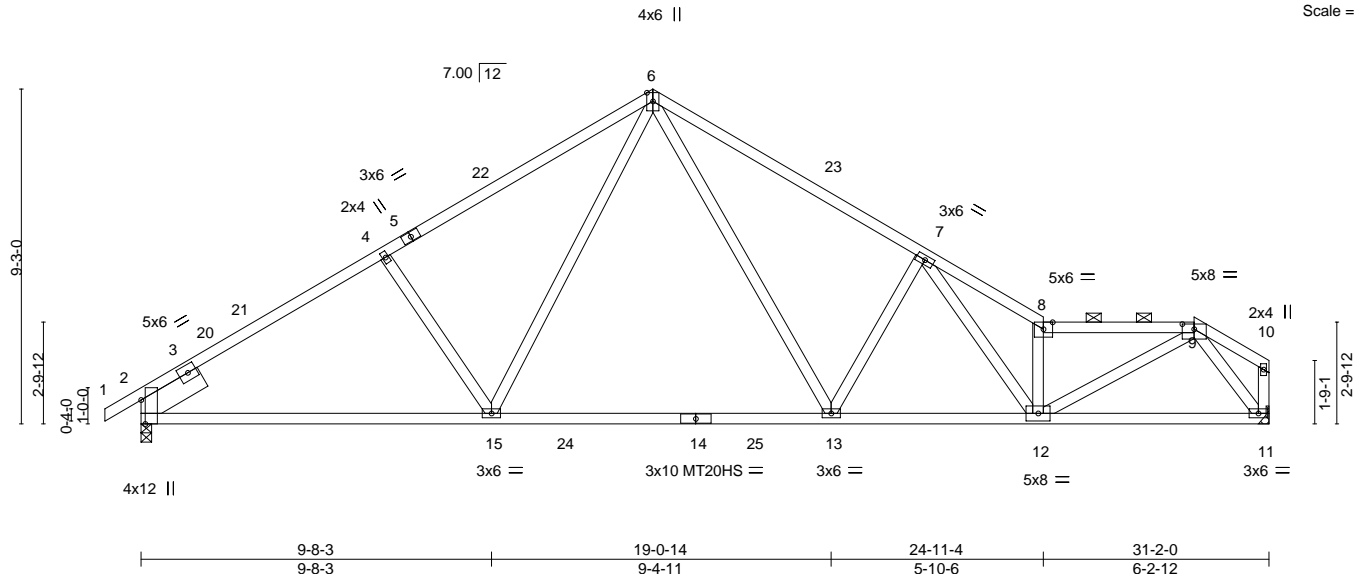


Plate Offsets (X,Y)--	[2:0-7-15,Edge], [9:0-4-0,0-1-11]
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LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.94	Vert(LL) -0.37	13-15	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.74	Vert(CT) -0.61	13-15	>610	240	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr YES	WB 0.74	Horz(CT) 0.06	11	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS	Wind(LL) 0.07	13-15	>999	240		
							Weight: 177 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 5-6,1-5: 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-4-2 max.): 8-9.
BOT CHORD 2x4 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	
SLIDER Left 2x8 SP DSS 1-11-12	

REACTIONS. (size) 11=Mechanical, 2=0-3-8
Max Horz 2=194(LC 11)
Max Grav 11=1240(LC 1), 2=1302(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1769/89, 4-6=-1592/128, 6-7=-1852/147, 7-8=-2712/119, 8-9=-2407/84
BOT CHORD 2-15=-59/1537, 13-15=0/1112, 12-13=-56/1826, 11-12=-60/872
WEBS 4-15=-336/149, 6-15=-19/570, 6-13=-27/952, 7-13=-677/133, 7-12=-23/865,
8-12=-1536/97, 9-12=-17/1786, 9-11=-1379/102

- 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) -0-11-15 to 2-1-7, Interior(1) 2-1-7 to 14-1-12, Exterior(2) 14-1-12 to 18-6-10, Interior(1) 18-6-10 to 29-1-4, Exterior(2) 29-1-4 to 31-0-4 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
 - 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.
 - Refer to girder(s) for truss to truss connections.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



September 1, 2022

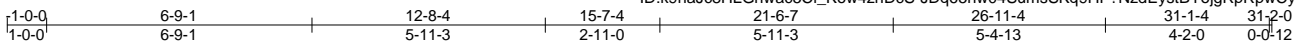
<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before 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</p>	<p>ENGINEERING BY TRENCO A MITEK COMPANY</p> <p>818 Soundside Road Edenton, NC 27932</p>
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Job	Truss	Truss Type	Qty	Ply	MATTAMY HOMES/TETON	153977311
PERMIT	A12	SPECIAL	1	1	Job Reference (optional)	

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

8.530 s Aug 11 2022 MiTek Industries, Inc. Wed Aug 31 15:48:16 2022 Page 1

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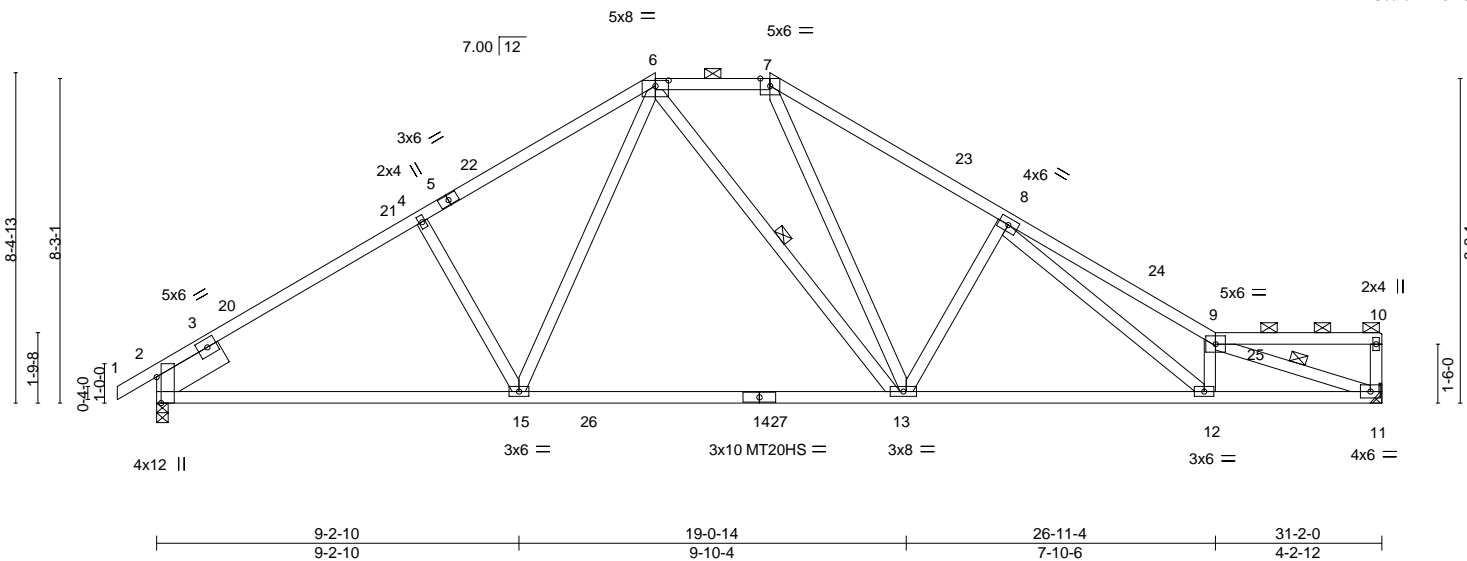


Plate Offsets (X,Y)--	[2:0-7-15,Edge], [6:0-4-0,0-1-11]
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LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.80	Vert(LL) -0.38	13-15	>992	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.81	Vert(CT) -0.63	13-15	>591	240	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr NO	WB 0.66	Horz(CT) 0.07	11	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS	Wind(LL) 0.09	12-13	>999	240		
							Weight: 181 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
1-5: 2x4 SP SS
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
SLIDER Left 2x8 SP DSS 1-11-12

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-6-12 oc purlins, except end verticals, and 2-0-0 oc purlins (5-1-3 max.): 6-7, 9-10.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 9-11, 6-13

REACTIONS. (size) 11=Mechanical, 2=0-3-8
Max Horz 2=175(LC 11)
Max Grav 11=1240(LC 1), 2=1302(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1762/99, 4-6=-1606/137, 6-7=-1248/159, 7-8=-1831/140, 8-9=-3318/127
BOT CHORD 2-15=-70/1474, 13-15=-12/1158, 12-13=-65/1820, 11-12=-84/2914
WEBS 4-15=-265/142, 6-15=-23/515, 7-13=-2/701, 8-13=-612/130, 8-12=-20/1356,
9-12=-828/91, 9-11=-3015/70, 6-13=-92/296

- 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) -0-11-15 to 2-1-7, Interior(1) 2-1-7 to 12-8-4, Exterior(2) 12-8-4 to 20-0-2, Interior(1) 20-0-2 to 31-0-4 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
 - 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.
 - Refer to girder(s) for truss to truss connections.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



September 1, 2022

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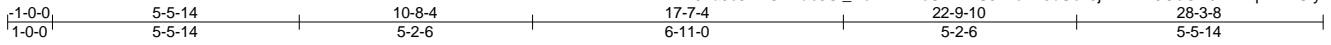
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMY HOMES/TETON	153977312
PERMIT	B01	HIP	1	1	Job Reference (optional)	

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

8.530 s Aug 11 2022 MiTek Industries, Inc. Wed Aug 31 15:48:17 2022 Page 1

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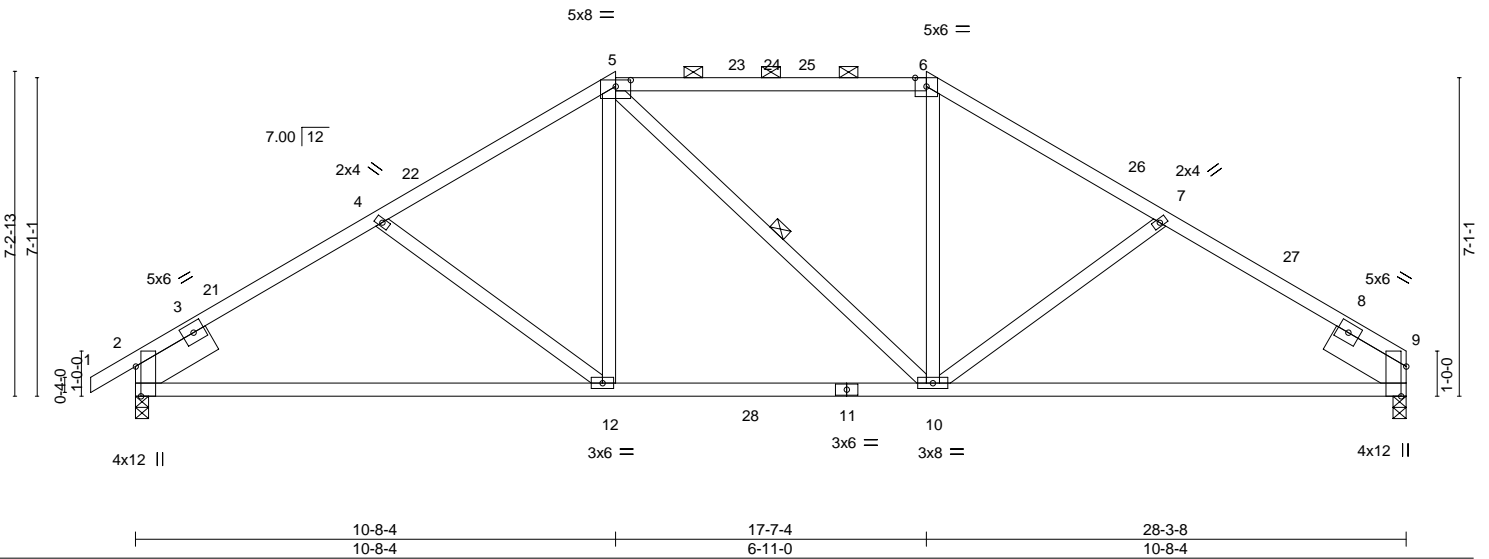


Plate Offsets (X,Y)-- [2:0-7-15,Edge], [5:0-4-0,0-1-11], [9:0-7-15,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.87	Vert(LL)	-0.19	12-19	>999	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.96	Vert(CT)	-0.37	12-19	>921		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.17	Horz(CT)	0.08	9	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Wind(LL)	0.06	10-12	>999		
	Code IRC2015/TPI2014						Weight: 156 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x8 SP DSS 1-11-12, Right 2x8 SP DSS 1-11-12

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-3-11 oc purlins, except 2-0-0 oc purlins (3-0-7 max.); 5-6.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 5-10

REACTIONS. (size) 9=0-3-8, 2=0-3-8
Max Horz 2=129(LC 9)
Max Uplift 9=38(LC 13), 2=53(LC 12)
Max Grav 9=1131(LC 1), 2=1192(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1564/119, 4-5=-1358/115, 5-6=-1130/131, 6-7=-1360/118, 7-9=-1569/119
BOT CHORD 2-12=-101/1273, 10-12=0/1128, 9-10=-40/1278
WEBS 5-12=0/367, 6-10=0/368

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) -0-11-15 to 2-0-1, Interior(1) 2-0-1 to 10-8-4, Exterior(2) 10-8-4 to 14-11-3, Interior(1) 14-11-3 to 17-7-4, Exterior(2) 17-7-4 to 21-10-3, Interior(1) 21-10-3 to 28-3-8 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 2.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



September 1, 2022

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

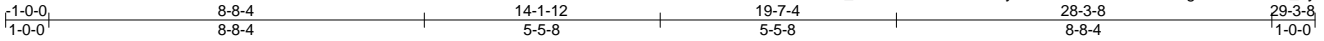
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMY HOMES/TETON	153977313
PERMIT	B02	HIP	1	1	Job Reference (optional)	

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Aug 11 2022 MiTek Industries, Inc. Wed Aug 31 15:48:18 2022 Page 1
 ID:k9haJc8HLGnwac5Ci_Kow4znDcS-FcxtWNyGc38U6mUDGiITSOiaogY50IWzu7xw_5yiHXh



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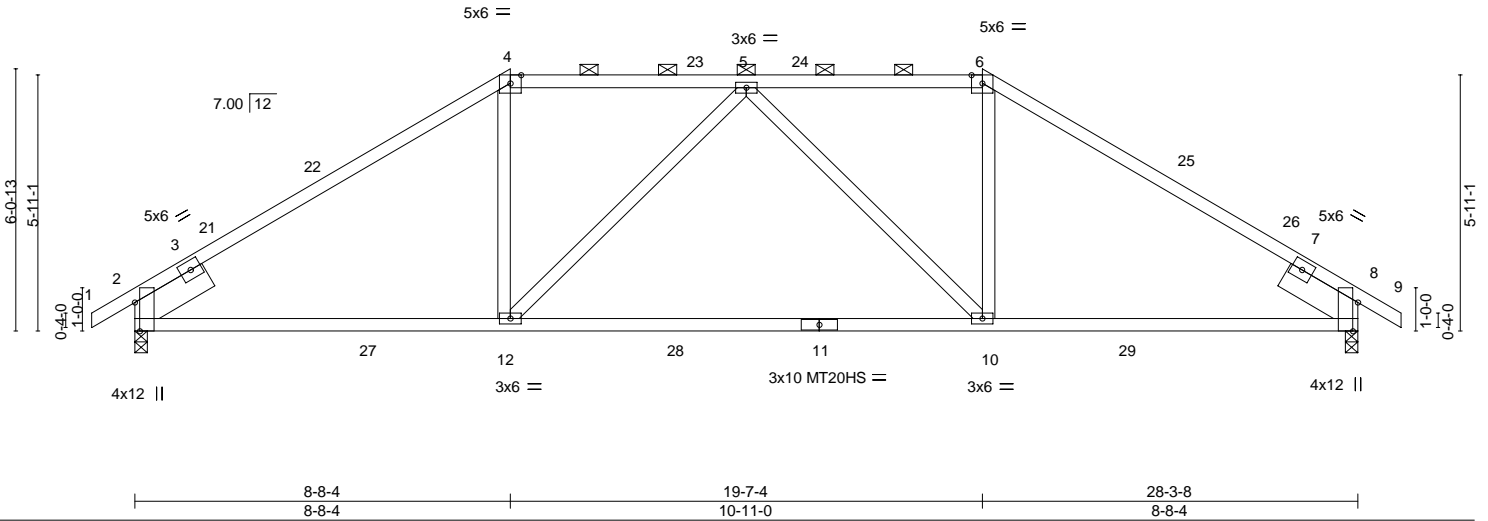


Plate Offsets (X,Y)-- [2:0-7-15,Edge], [8:0-7-15,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.77	Vert(LL)	-0.36	10-12	>950	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.85	Vert(CT)	-0.72	10-12	>472	MT20HS	187/143
BCLL 0.0 *	Lumber DOL 1.15	WB 0.45	Horz(CT)	0.10	8	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Wind(LL)	0.10	10-12	>999		
	Code IRC2015/TPI2014						Weight: 143 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SP SS *Except*
 4-6: 2x4 SP No.2
 BOT CHORD 2x4 SP No.1
 WEBS 2x4 SP No.3
 SLIDER Left 2x8 SP DSS 1-11-12, Right 2x8 SP DSS 1-11-12

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (4-10-12 max.): 4-6.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-3-8, 8=0-3-8
 Max Horz 2=-110(LC 10)
 Max Uplift 2=-56(LC 12), 8=-56(LC 13)
 Max Grav 2=1191(LC 1), 8=1191(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-1614/163, 4-5=-1292/122, 5-6=-1292/122, 6-8=-1614/163
 BOT CHORD 2-12=-10/1303, 10-12=-20/1453, 8-10=0/1303
 WEBS 4-12=0/530, 5-12=-370/155, 5-10=-370/154, 6-10=0/530

- 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 8-8-4, Exterior(2) 8-8-4 to 12-11-3, Interior(1) 12-11-3 to 19-7-4, Exterior(2) 19-7-4 to 23-10-3, Interior(1) 23-10-3 to 29-3-7 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, 8.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



September 1, 2022

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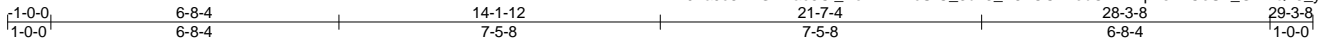
818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMY HOMES/TETON	153977314
PERMIT	B03	HIP	1	1	Job Reference (optional)	

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

8.530 s Aug 11 2022 MiTek Industries, Inc. Wed Aug 31 15:48:20 2022 Page 1

ID:k9haJc8HLGnwac5Ci_Kow4znDcS-C_3dx3_X8hOCL4ebO7KxXpns4TCeUh_GLRQ13_yiHXf



Scale = 1:52.0

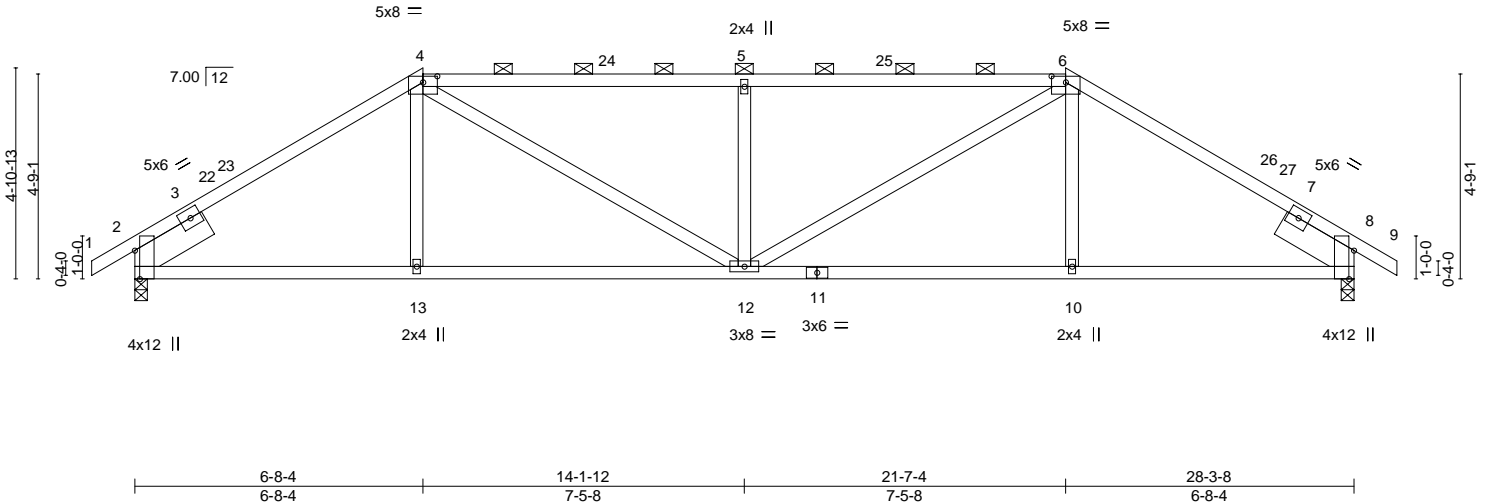


Plate Offsets (X,Y)--	[2:0-7-15,Edge], [4:0-4-0,0-1-11], [6:0-4-0,0-1-12], [8:0-7-15,Edge]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.98	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.91	Vert(LL) -0.13 12-13 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.33	Vert(CT) -0.31 12-13 >999 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.10 8 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.10 10-12 >999 240	Weight: 147 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1 *Except* 4-6: 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (2-2-0 max.): 4-6.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	
SLIDER Left 2x8 SP DSS 1-11-12, Right 2x8 SP DSS 1-11-12	

REACTIONS. (size) 2=0-3-8, 8=0-3-8
 Max Horz 2=-87(LC 10)
 Max Uplift 2=-59(LC 12), 8=-59(LC 13)
 Max Grav 2=1191(LC 1), 8=1191(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-1590/102, 4-5=-1899/141, 5-6=-1899/141, 6-8=-1590/102
 BOT CHORD 2-13=-49/1293, 12-13=-51/1290, 10-12=-4/1290, 8-10=-2/1293
 WEBS 4-12=-124/786, 5-12=-558/169, 6-12=-124/786

- 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 6-8-4, Exterior(2) 6-8-4 to 10-11-3, Interior(1) 10-11-3 to 21-7-4, Exterior(2) 21-7-4 to 25-10-3, Interior(1) 25-10-3 to 29-3-7 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

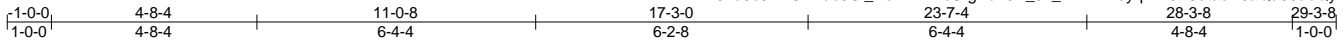


September 1, 2022

<p>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</p>	 818 Soundside Road Edenton, NC 27932
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Job	Truss	Truss Type	Qty	Ply	MATTAMY HOMES/TETON	153977315
PERMIT	B04-2PL	HIP	1	2	Job Reference (optional)	

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Aug 11 2022 MiTek Industries, Inc. Wed Aug 31 15:48:21 2022 Page 1
 ID:k9haJc8HLGnwac5Ci_Kow4znDcS-gBd?9P_9v_W2zDDoyqrA40K3otacD6aQa59abQyiHXe



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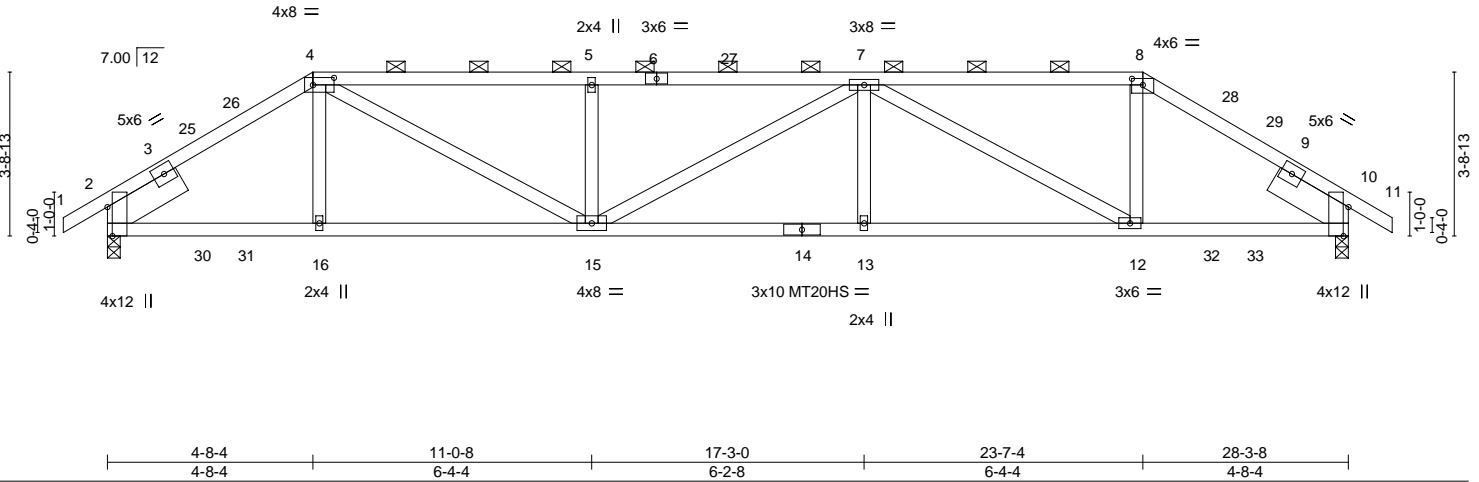


Plate Offsets (X,Y)-- [2:0-7-15,Edge], [4:0-5-12,0-2-0], [8:0-3-0,0-1-12], [10:0-7-15,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.85	Vert(LL) -0.15	13-15	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.79	Vert(CT) -0.32	12-13	>999	240	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr NO	WB 0.50	Horz(CT) 0.10	10	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS	Wind(LL) 0.12	12-13	>999	240		
							Weight: 302 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SP No.1
 BOT CHORD 2x4 SP No.1
 WEBS 2x4 SP No.2
 SLIDER Left 2x8 SP DSS 1-11-12, Right 2x8 SP DSS 1-11-12

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-6-8 oc purlins, except 2-0-0 oc purlins (4-5-13 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=66(LC 6)
 Max Uplift 2=182(LC 8), 10=182(LC 9)
 Max Grav 2=2613(LC 1), 10=2613(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-3680/248, 4-5=-5292/401, 5-7=-5292/401, 7-8=-3039/242, 8-10=-3679/248
 BOT CHORD 2-16=-226/2981, 15-16=-223/2987, 13-15=-385/5292, 12-13=-385/5292, 10-12=-168/2980
 WEBS 4-16=0/265, 4-15=-264/2662, 5-15=-832/164, 7-13=0/472, 7-12=-2617/260, 8-12=-55/1410

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.
 Bottom chords connected as follows: 2x4 - 1 row 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; TC DL=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.
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=182, 10=182.
- Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments.
- 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) 167 lb down and 14 lb up at 2-1-12, and 167 lb down and 14 lb up at 26-1-12 on top chord, and 111 lb down and 9 lb up at 2-1-12, and 111 lb down and 9 lb up at 26-1-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

Continued on page 2



September 1, 2022

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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 HOMES/TETON	153977315
PERMIT	B04-2PL	HIP	1	2	Job Reference (optional)	

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

8.530 s Aug 11 2022 MiTek Industries, Inc. Wed Aug 31 15:48:21 2022 Page 2
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LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-26=-60, 4-26=-122(F=-62), 4-8=-122(F=-62), 8-28=-122(F=-62), 11-28=-60, 17-31=-20, 31-32=-62(F=-42), 21-32=-20

Concentrated Loads (lb)

Vert: 25=-167(F) 29=-167(F) 30=-111(F) 33=-111(F)

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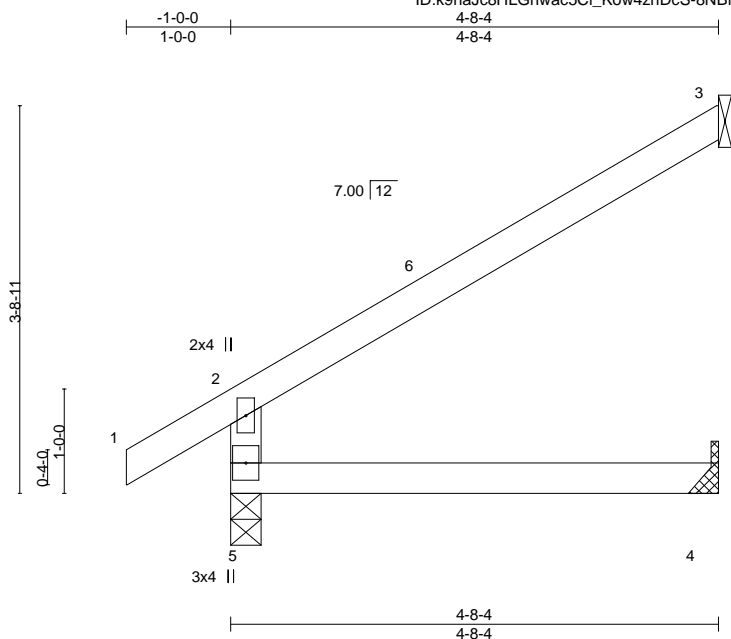
Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601 **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**



818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMY HOMES/TETON	153977316
PERMIT	C01	JACK	21	1	Job Reference (optional)	

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Aug 11 2022 MiTek Industries, Inc. Wed Aug 31 15:48:22 2022 Page 1
 ID:k9haJc8HLGnwac5Ci_Kow4znDcS-8NBNMk?nglevaNn_VYMPcEtN6H3xygYZpkv77syiHXD



Scale = 1:21.5

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.31	Vert(LL)	-0.02	4-5	>999	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.21	Vert(CT)	-0.04	4-5	>999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Horz(CT)	0.03	3	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-MR	Wind(LL)	0.02	4-5	>999		
	Code IRC2015/TPI2014						Weight: 18 lb	FT = 20%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-8-4 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-3-8, 3=Mechanical, 4=Mechanical
 Max Horz 5=90(LC 12)
 Max Uplift 3=62(LC 12)
 Max Grav 5=255(LC 1), 3=124(LC 19), 4=83(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) -0-11-15 to 2-0-1, Interior(1) 2-0-1 to 4-7-8 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
 - 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.



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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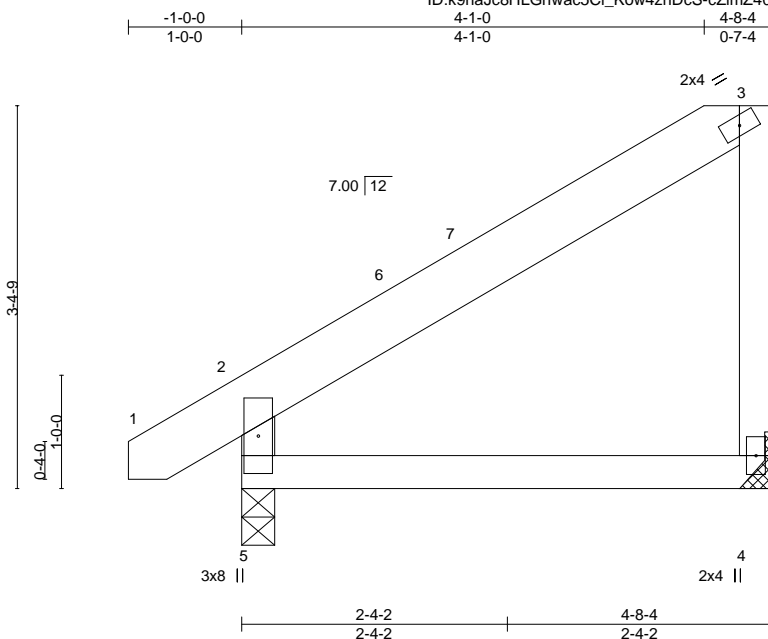
ENGINEERING BY
TRENCO
 818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMY HOMES/TETON	153977317
PERMIT	C02	MONO HIP	2	1	Job Reference (optional)	

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

8.530 s Aug 11 2022 MiTek Industries, Inc. Wed Aug 31 15:48:23 2022 Page 1

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Scale = 1:19.8

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.14	Vert(LL) -0.02	4-5	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.20	Vert(CT) -0.04	4-5	>999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.03	Horz(CT) 0.00		n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS	Wind(LL) 0.01	4-5	>999	240	Weight: 27 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.2 *Except*
 3-4: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-8-4 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 5=0-3-8, 4=Mechanical
 Max Horz 5=87(LC 12)
 Max Uplift 4=49(LC 12)
 Max Grav 5=241(LC 1), 4=177(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; 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 4-6-7 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
- 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) 4.



September 1, 2022

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

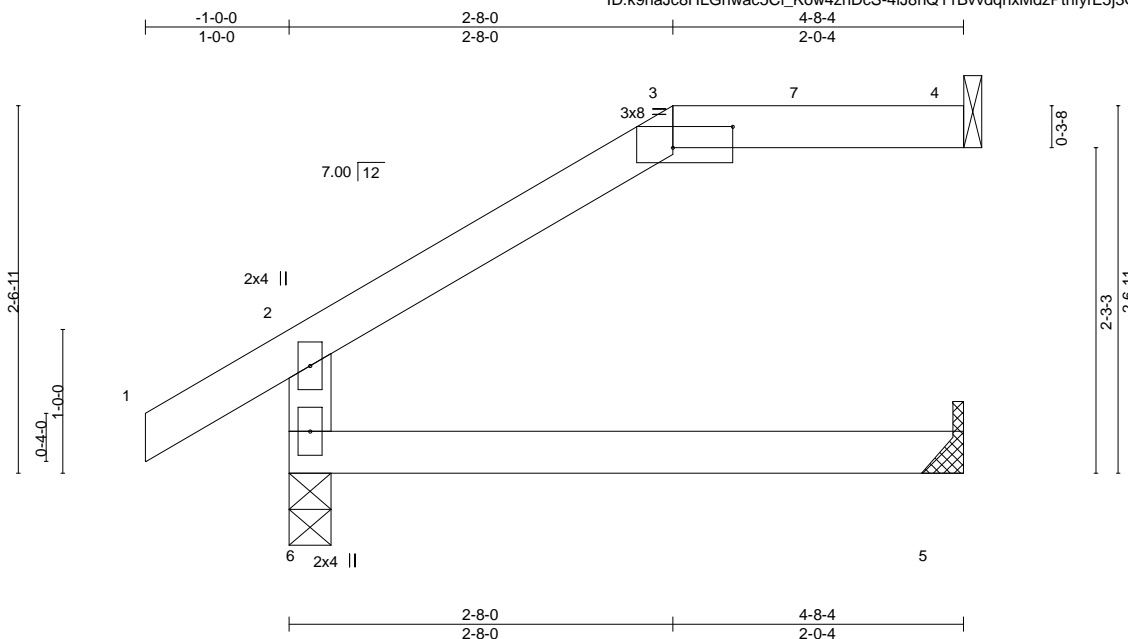
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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 HOMES/TETON	153977318
PERMIT	C03	MONO HIP	2	1	Job Reference (optional)	

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Aug 11 2022 MiTek Industries, Inc. Wed Aug 31 15:48:24 2022 Page 1
 ID:k9haJc8HLGnwac5Ci_Kow4znDcS-4lJ8nQ11BvvdqhxMdzPthfyfE5j3Qa2sG2OEClyiHXb



Scale = 1:15.6

Plate Offsets (X,Y)--	[3:0-5-0,0-1-12]
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LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.52	Vert(LL)	-0.02	5-6	>999	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.36	Vert(CT)	-0.06	5-6	>870		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Horz(CT)	0.10	4	n/a		
BCDL 10.0	Rep Stress Incr NO	Matrix-MR	Wind(LL)	0.03	5-6	>999		
	Code IRC2015/TPI2014						Weight: 17 lb	FT = 20%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-8-4 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, 4=Mechanical, 5=Mechanical
 Max Horz 6=55(LC 8)
 Max Uplift 6=26(LC 8), 4=40(LC 5)
 Max Grav 6=375(LC 1), 4=188(LC 1), 5=122(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-6=-293/61

- 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.
 - 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.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
 1) Dead + Roof Live (balanced); Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-2=-60, 2-3=-92(F=-32), 3-4=-92(F=-32), 5-6=-42(F=-22)



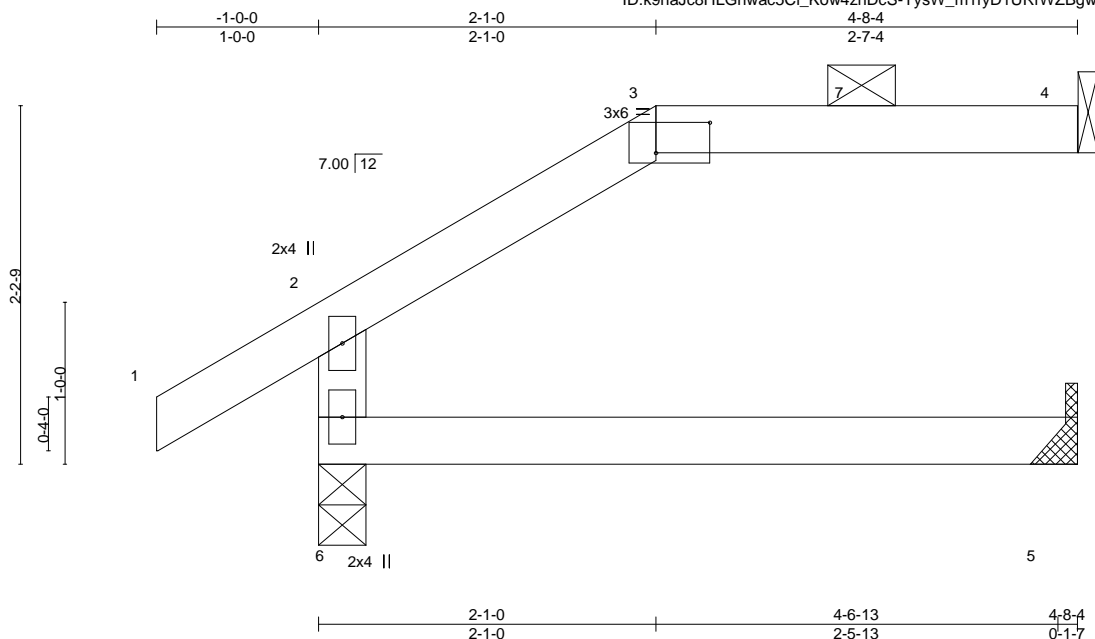
September 1, 2022

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

ENGINEERING BY
TRENCO
 818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMY HOMES/TETON	153977319
PERMIT	C04	MONO HIP	2	1	Job Reference (optional)	

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Aug 11 2022 MiTek Industries, Inc. Wed Aug 31 15:48:25 2022 Page 1
 ID:k9haJc8HLGnwac5Ci_Kow4znDcS-YysW_m1fyD1URrWZBgw6EsVr0U3?91I?Vi7okByiHXa



Scale = 1:13.8

Plate Offsets (X,Y)--	[3:0-4:0,0-2-4]
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LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.46	Vert(LL) -0.02	5-6	>999	360	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.32	Vert(CT) -0.05	5-6	>973	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Horz(CT) 0.08	4	n/a	n/a		
BCDL 10.0	Rep Stress Incr NO	Matrix-MR	Wind(LL) 0.02	5-6	>999	240		
	Code IRC2015/TPI2014						Weight: 17 lb	FT = 20%

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

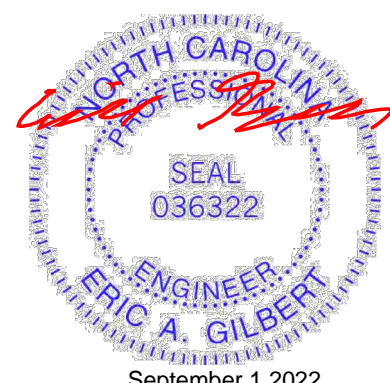
BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-8-4 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-4.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 6=0-3-8, 4=Mechanical, 5=Mechanical
 Max Horz 6=42(LC 8)
 Max Uplift 6=-27(LC 8), 4=-39(LC 5)
 Max Grav 6=340(LC 1), 4=167(LC 1), 5=111(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-6=-269/61

- 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.
 - 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.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
 1) Dead + Roof Live (balanced); Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-2=-60, 2-3=-82(F=-22), 3-4=-82(F=-22), 5-6=-36(F=-16)



September 1, 2022

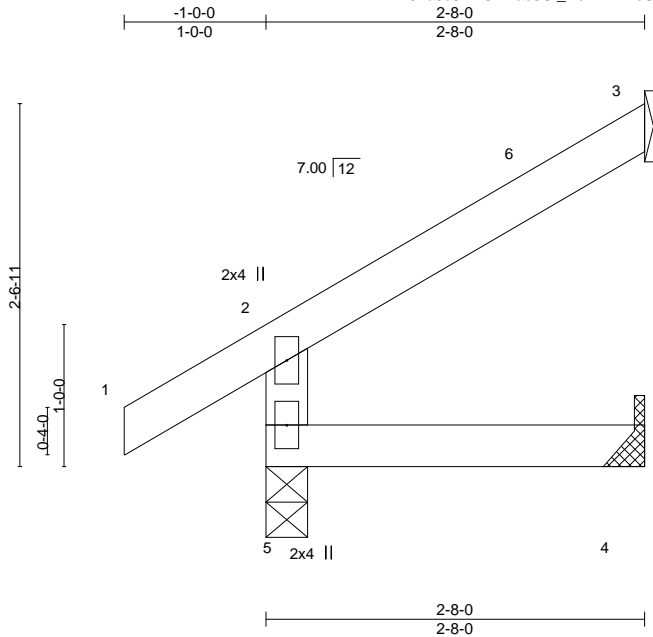
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
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ENGINEERING BY
TRENCO
 818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMY HOMES/TETON	153977320
PERMIT	C05	JACK	2	1	Job Reference (optional)	

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

8.530 s Aug 11 2022 MiTek Industries, Inc. Wed Aug 31 15:48:25 2022 Page 1
 ID:k9haJc8HLGnwac5Ci_Kow4znDcS-YysW_m1fyD1URrWZBgw6EsVxlU6w91I?Vi7okByiHXa



Scale = 1:15.8

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	4-5	>999	360	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.07	Vert(CT) -0.00	4-5	>999	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Horz(CT) 0.00	3	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-MR	Wind(LL) 0.00	4-5	>999	240		
	Code IRC2015/TPI2014						Weight: 11 lb	FT = 20%

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

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

REACTIONS. (size) 5=0-3-8, 3=Mechanical, 4=Mechanical
 Max Horz 5=54(LC 12)
 Max Uplift 3=36(LC 12)
 Max Grav 5=182(LC 1), 3=64(LC 19), 4=44(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) -0-11-15 to 2-0-1, Interior(1) 2-0-1 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.



September 1, 2022

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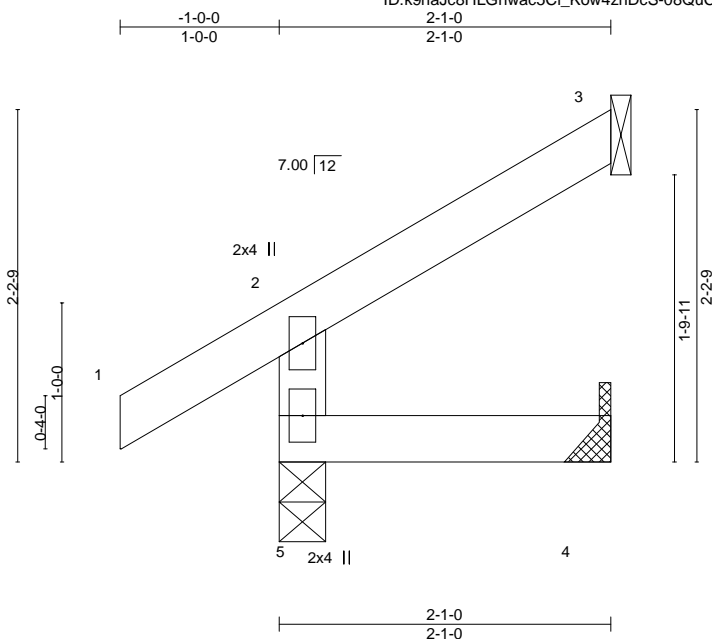
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818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMY HOMES/TETON	153977321
PERMIT	C06	JACK	4	1	Job Reference (optional)	

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Aug 11 2022 MiTek Industries, Inc. Wed Aug 31 15:48:26 2022 Page 1
 ID:k9haJc8HLGnwac5Ci_Kow4znDcS-08QuC62ljX9L3?5IkORLm416VuTSuUY9kMtLGdyiHXZ



Scale = 1:14.1

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 0.09	Vert(LL)	-0.00	5	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.05	Vert(CT)	-0.00	5	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00	3	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MR	Wind(LL)	0.00	5	>999	Weight: 9 lb	FT = 20%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 2-1-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-3-8, 3=Mechanical, 4=Mechanical
 Max Horz 5=43(LC 12)
 Max Uplift 5=-2(LC 12), 3=-28(LC 12)
 Max Grav 5=164(LC 1), 3=44(LC 19), 4=32(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) 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) 5, 3.



September 1, 2022

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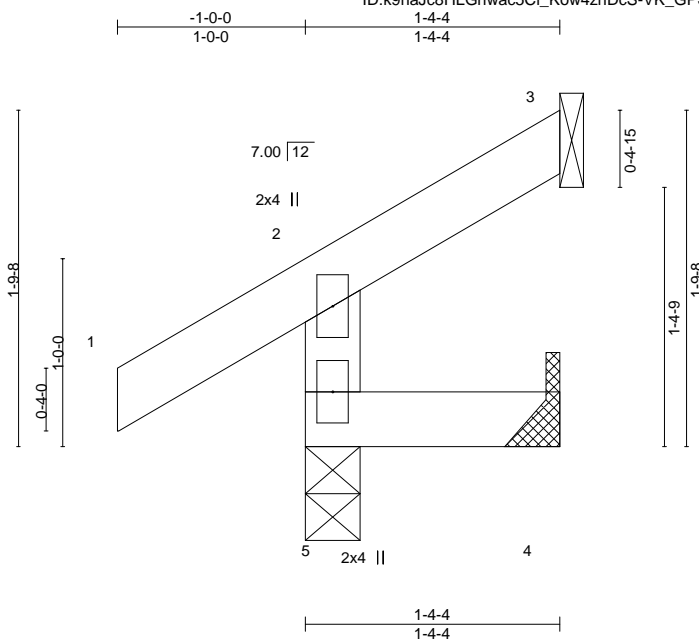
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818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMY HOMES/TETON	153977322
PERMIT	C07	JACK	1	1	Job Reference (optional)	

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Aug 11 2022 MiTek Industries, Inc. Wed Aug 31 15:48:27 2022 Page 1
 ID:k9haJc8HLGnwac5Ci_Kow4znDcS-VK_GPS3wUqHCh8gxI5yaJHaHF1pxdxoly0cup4yiHXy



Scale: 1"=1'

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	5	>999	240	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.03	Vert(CT) -0.00	5	>999	180		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Horz(CT) -0.00	3	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-MR					Weight: 7 lb	FT = 20%
	Code IRC2015/TPI2014							

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 1-4-4 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-3-8, 3=Mechanical, 4=Mechanical
 Max Horz 5=33(LC 9)
 Max Uplift 5=-4(LC 12), 3=-18(LC 12), 4=-3(LC 12)
 Max Grav 5=149(LC 1), 3=17(LC 19), 4=20(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) 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) 5, 3, 4.



September 1, 2022

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818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMY HOMES/TETON	153977323
PERMIT	E01-2PL	HIP	1	2	Job Reference (optional)	

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Aug 11 2022 MiTek Industries, Inc. Wed Aug 31 15:48:28 2022 Page 1
 ID:k9haJc8HLGnwac5Ci_Kow4znDcS-zXYfdo4YF8P3IIF8spTpsV7MiiOAMHfRbgMSLWyiHXX



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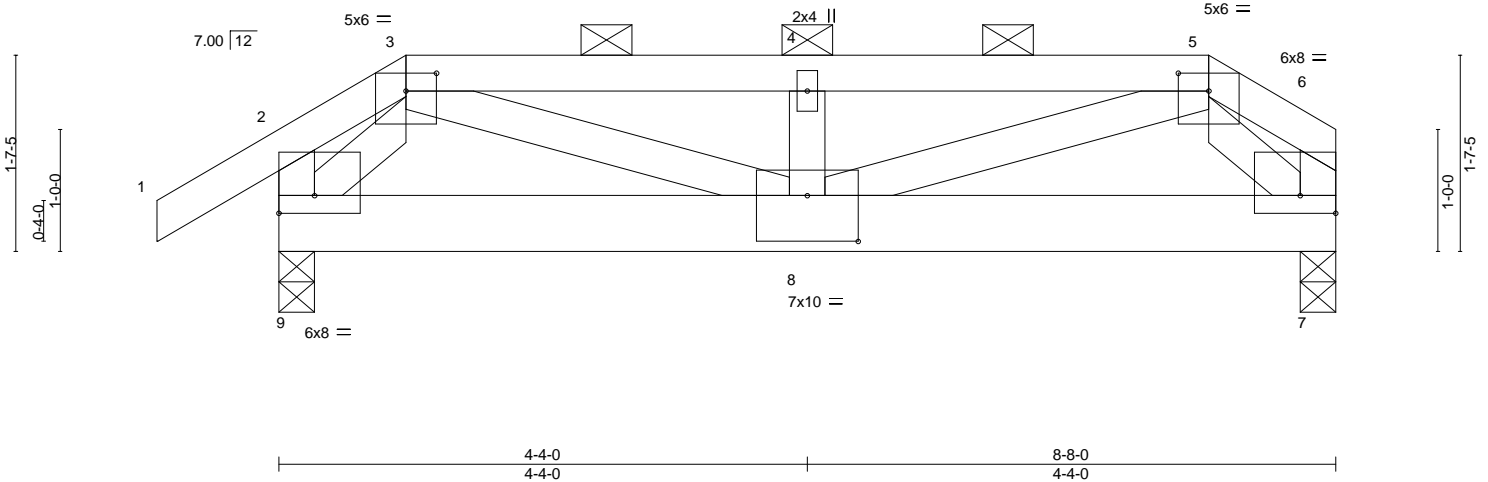


Plate Offsets (X,Y)--	[3:0-3-0,0-1-12], [5:0-3-0,0-1-12], [6:Edge,0-1-12], [8:0-5-0,0-4-8], [9:Edge,0-1-12]
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LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.49	Vert(LL) -0.04	7-8	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.61	Vert(CT) -0.09	7-8	>999	240		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.47	Horz(CT) 0.01	7	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS	Wind(LL) 0.03	8-9	>999	240	Weight: 102 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, and 2-0-0 oc purlins (5-3-8 max.): 3-5.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2	

REACTIONS. (size) 9=0-3-8, 7=0-3-8
 Max Horz 9=39(LC 5)
 Max Uplift 9=238(LC 8), 7=221(LC 9)
 Max Grav 9=2924(LC 15), 7=2845(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-9=-557/61, 2-3=-871/77, 3-4=-5257/425, 4-5=-5257/425, 5-6=-834/67, 6-7=-437/36
 BOT CHORD 8-9=-155/1519, 7-8=-138/1531
 WEBS 3-9=-1371/138, 3-8=-314/3999, 5-8=-317/3986, 5-7=-1411/145

- 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.
 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.
 - 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) 9=238, 7=221.
 - 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: 1-2=-60, 2-3=-60, 3-5=-60, 5-6=-60, 7-9=-600(B=-580)



September 1, 2022

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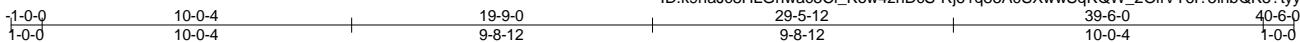


818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMY HOMES/TETON	153977324
PERMIT	G01	COMMON	13	1	Job Reference (optional)	

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Aug 11 2022 MiTek Industries, Inc. Wed Aug 31 15:48:29 2022 Page 1

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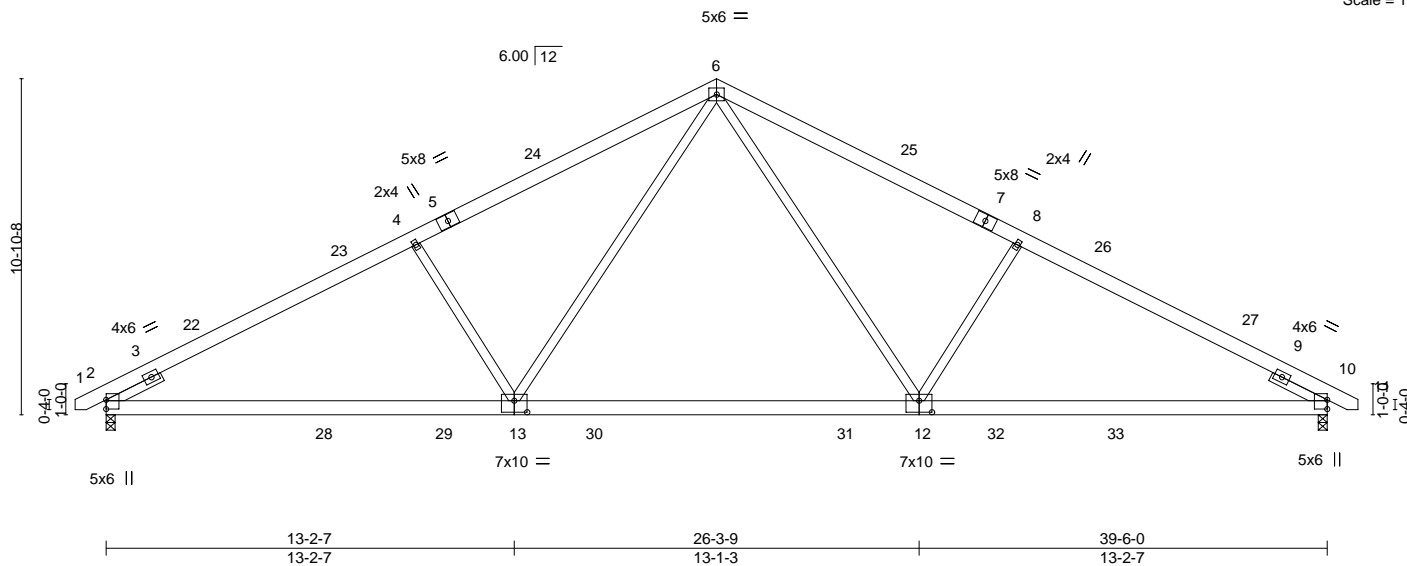


Plate Offsets (X,Y)--	[12:0-5-0,0-4-8], [13:0-5-0,0-4-8]
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LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.62	Vert(LL) -0.36	12-13	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.89	Vert(CT) -0.57	12-13	>834	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.42	Horz(CT) 0.09	10	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS	Wind(LL) 0.06	12-13	>999	240	Weight: 260 lb	FT = 20%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-8-15 oc purlins.
 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=-122(LC 17)
 Max Grav 2=1662(LC 2), 10=1662(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-2703/144, 4-6=-2481/183, 6-8=-2481/183, 8-10=-2703/144
 BOT CHORD 2-13=-26/2332, 12-13=0/1602, 10-12=-28/2332
 WEBS 6-12=-7/998, 8-12=-544/186, 6-13=-7/998, 4-13=-544/186

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) 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) -0-9-14 to 3-1-9, Interior(1) 3-1-9 to 19-9-0, Exterior(2) 19-9-0 to 25-4-1, Interior(1) 25-4-1 to 40-3-14 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) This truss has been designed for a 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, with BCDL = 10.0psf.



September 1, 2022

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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 HOMES/TETON	153977325
PERMIT	G01G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Aug 11 2022 MiTek Industries, Inc. Wed Aug 31 15:48:32 2022 Page 1
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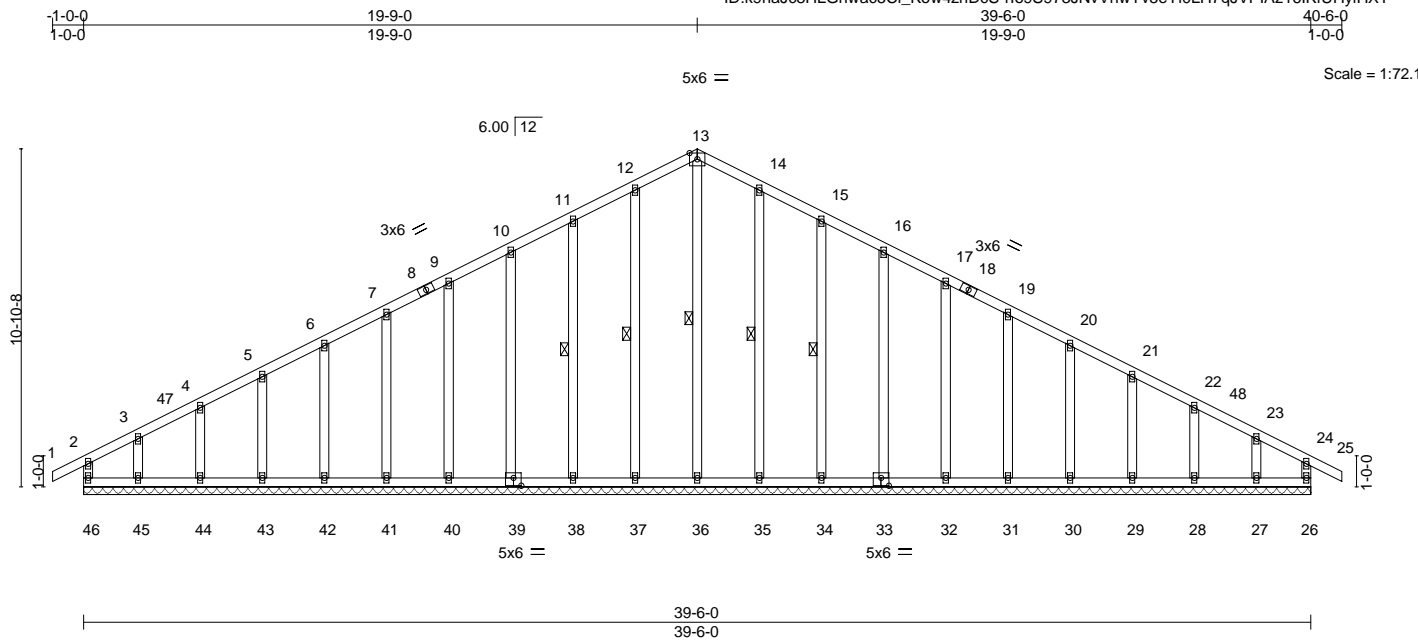


Plate Offsets (X,Y)-- [33:0-3-0,0-3-0], [39:0-3-0,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.16	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.08	Vert(LL) -0.00 25 n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.13	Vert(CT) -0.01 25 n/r 120		
BCDL 10.0	Rep Stress Incr NO	Matrix-R	Horz(CT) 0.01 26 n/a n/a		
	Code IRC2015/TPI2014			Weight: 288 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 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 13-36, 12-37, 11-38, 14-35, 15-34
OTHERS 2x4 SP No.3	

REACTIONS. All bearings 39-6-0.
 (lb) - Max Horz 46=123(LC 11)
 Max Uplift All uplift 100 lb or less at joint(s) 46, 26, 37, 38, 39, 40, 41, 42, 43, 44, 35, 34, 33, 32, 31, 30, 29, 28, 27 except 45=105(LC 12)
 Max Grav All reactions 250 lb or less at joint(s) 46, 26, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 35, 34, 33, 32, 31, 30, 29, 28, 27

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 10-11=-87/258, 11-12=-101/298, 12-13=-113/330, 13-14=-113/326, 14-15=-101/293, 15-16=-87/253

- 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 Corner(3) -1-0-0 to 2-11-6, Exterior(2) 2-11-6 to 19-9-0, Corner(3) 19-9-0 to 23-9-0, Exterior(2) 23-9-0 to 40-6-0 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) 46, 26, 37, 38, 39, 40, 41, 42, 43, 44, 35, 34, 33, 32, 31, 30, 29, 28, 27 except (jt=lb) 45=105.



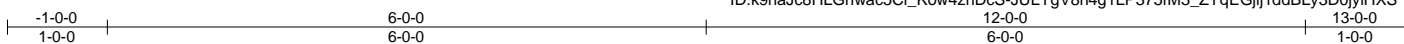
September 1, 2022

<p>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</p>	<p>818 Soundside Road Edenton, NC 27932</p>
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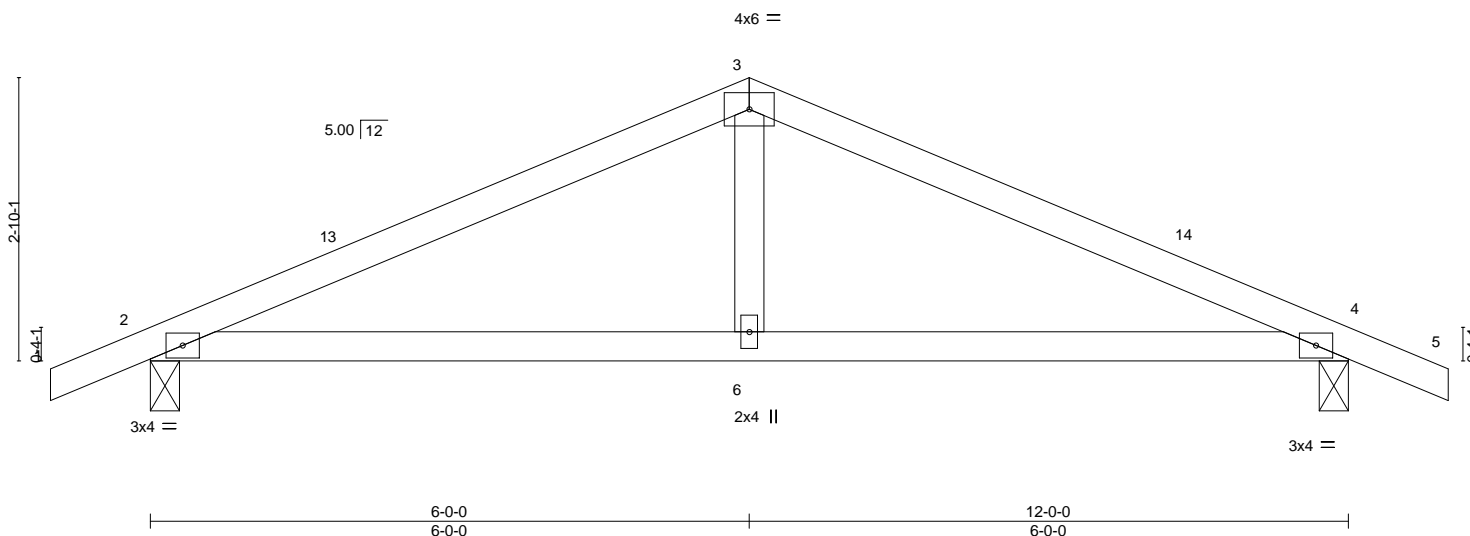
Job	Truss	Truss Type	Qty	Ply	MATTAMY HOMES/TETON	153977326
PERMIT	SP01	COMMON	4	1	Job Reference (optional)	

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

8.530 s Aug 11 2022 MiTek Industries, Inc. Wed Aug 31 15:48:33 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 0.46	Vert(LL) -0.05 6-12 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.11	Vert(CT) -0.09 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) 0.04 6-9 >999 240	Weight: 44 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-3-8, 4=0-3-8
Max Horz 2=-50(LC 13)
Max Uplift 2=-26(LC 12), 4=-26(LC 13)
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=-763/88, 3-4=-763/84
BOT CHORD 2-6=-4/652, 4-6=-4/652
WEBS 3-6=0/280

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; 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.



September 1, 2022

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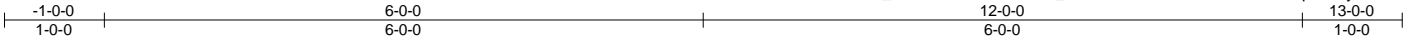
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMY HOMES/TETON	153977327
PERMIT	SP01G	GABLE	1	1	Job Reference (optional)	

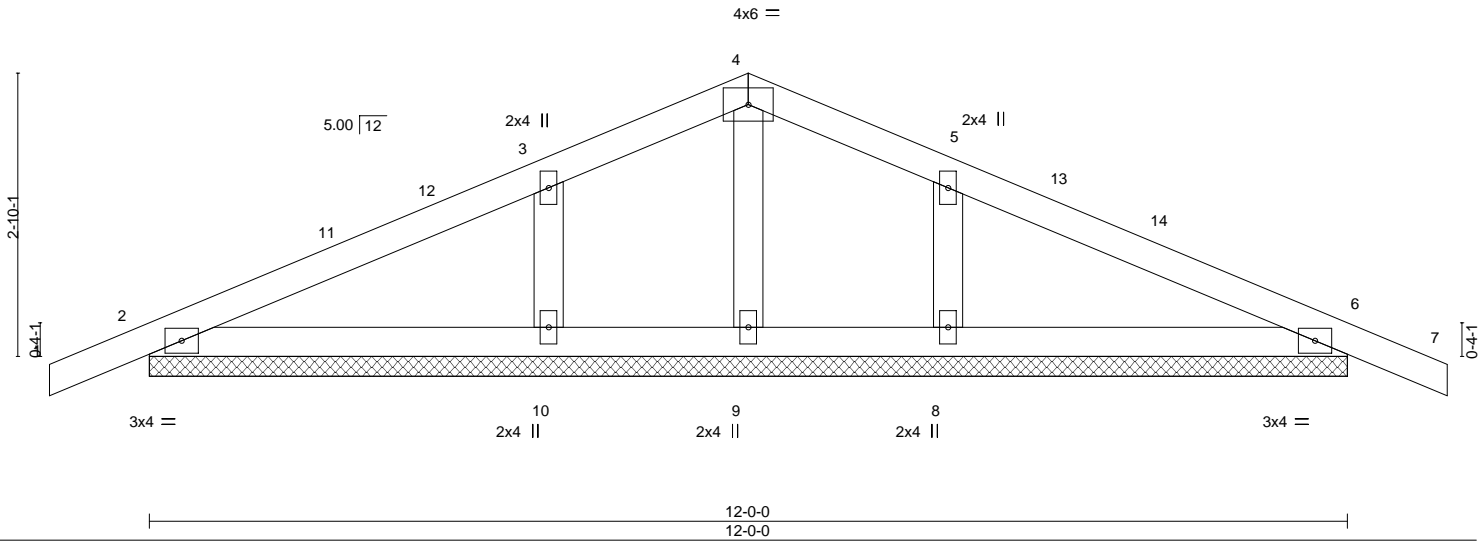
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8.530 s Aug 11 2022 MiTek Industries, Inc. Wed Aug 31 15:48:34 2022 Page 1

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Scale = 1:22.4



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.20	Vert(LL) 0.00	7	n/r	120	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.13	Vert(CT) 0.01	7	n/r	120		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.05	Horz(CT) 0.00	6	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S					Weight: 48 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=-39(LC 13)
 Max Uplift All uplift 100 lb or less at joint(s) 2, 6, 10, 8
 Max Grav All reactions 250 lb or less at joint(s) 2, 6, 9 except 10=321(LC 1), 8=321(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 Corner(3) -1-0-0 to 2-0-0, Exterior(2) 2-0-0 to 6-0-0, Corner(3) 6-0-0 to 9-0-0, Exterior(2) 9-0-0 to 13-0-0 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.
- 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, 6, 10, 8.



September 1, 2022

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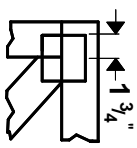
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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



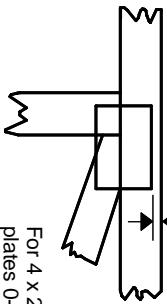
818 Soundside Road
 Edenton, NC 27932

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 2020 software or upon request.**

PLATE SIZE

4 X 4

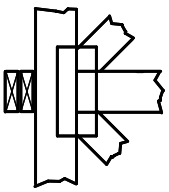
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING



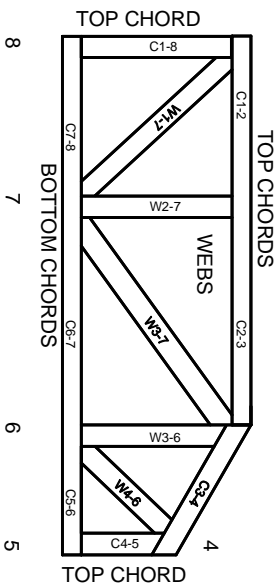
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

- ANSI/TPI1: 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/TPI 1 section 6.3. These truss designs rely on lumber values established by others.

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