

Trenco

818 Soundside Rd
Edenton, NC 27932

Re: FNC9-R
Chesapeake-6260B:Lot9 NeilsCreek

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

Pages or sheets covered by this seal: I76722542 thru I76722574

My license renewal date for the state of North Carolina is December 31, 2025.

North Carolina COA: C-0844



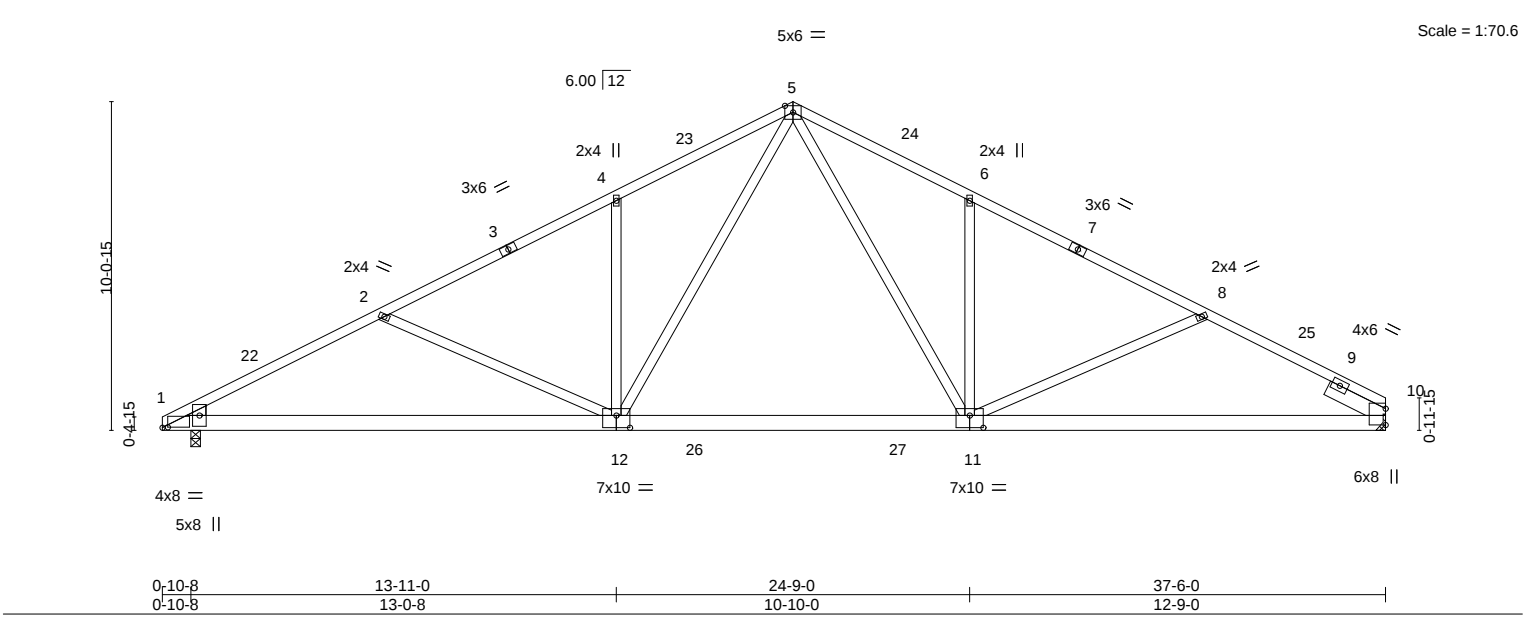
October 1,2025

Gilbert, Eric

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

Job	Truss	Truss Type	Qty	Ply	Chesapeake-6260B:Lot9 NeilsCreek
FNC9-R	A02	ROOF TRUSS	12	1	176722542

Builders FirstSource (Apex, NC),	Apex, NC - 27523,	8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Sep 30 10:03:00 2025 Page 1
		ID:hazSNSvRlGjAW5liYcPhTxyvdPZ-Pi5Kr6uS1ZCHTJlejtRXo1QK83M6j6MBHnPdnhyYTnP



LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.98	Vert(LL) -0.30	11-12	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.99	Vert(CT) -0.47	11-12	>963	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.50	Horz(CT) 0.09	10	n/a	n/a		
BCDL 10.0	Code IRC2021/TPI2014	Matrix-MS	Wind(LL) 0.14	11-12	>999	240	Weight: 230 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied.
BOT CHORD 2x6 SP No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
1-12: 2x6 SP 2400F 2.0E or 2x6 SP DSS	
WEBS 2x4 SP No.3	
WEDGE	
Left: 2x4 SP No.3	
SLIDER Right 2x6 SP No.2 1-11-12	
REACTIONS. (size) 10=Mechanical, 1=0-3-8	
Max Horz 1=151(LC 12)	
Max Uplift 10=-89(LC 13), 1=-99(LC 12)	
Max Grav 10=1603(LC 2), 1=1678(LC 2)	

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2684/226, 2-4=-2359/152, 4-5=-2355/259, 5-6=-2333/258, 6-8=-2331/154, 8-10=-2573/212
BOT CHORD 1-12=-273/2341, 11-12=0/1522, 10-11=-124/2241
WEBS 5-11=-174/1035, 6-11=-443/217, 8-11=-338/191, 5-12=-173/1074, 4-12=-430/215, 2-12=-412/209

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 19-4-0, Exterior(2R) 19-4-0 to 22-4-0, Interior(1) 22-4-0 to 37-6-0 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
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 1.



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Job	Truss	Truss Type	Qty	Ply	Chesapeake-6260B:Lot9 NeilsCreek
FNC9-R	A02H	ROOF TRUSS	1	1	176722543
Job Reference (optional)					

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Sep 30 10:03:00 2025 Page 1
ID:hazSNSvRlgjAW5liYCphTxyvdPZ-Pi5Kr6uS1ZCHTJlejtRXo1QMf3MMj3MBHnPdnhyYTnP
6-9-10 13-11-0 19-4-0 24-9-0 31-10-6 37-6-0
6-9-10 7-1-6 5-5-0 5-5-0 7-1-6 5-7-10

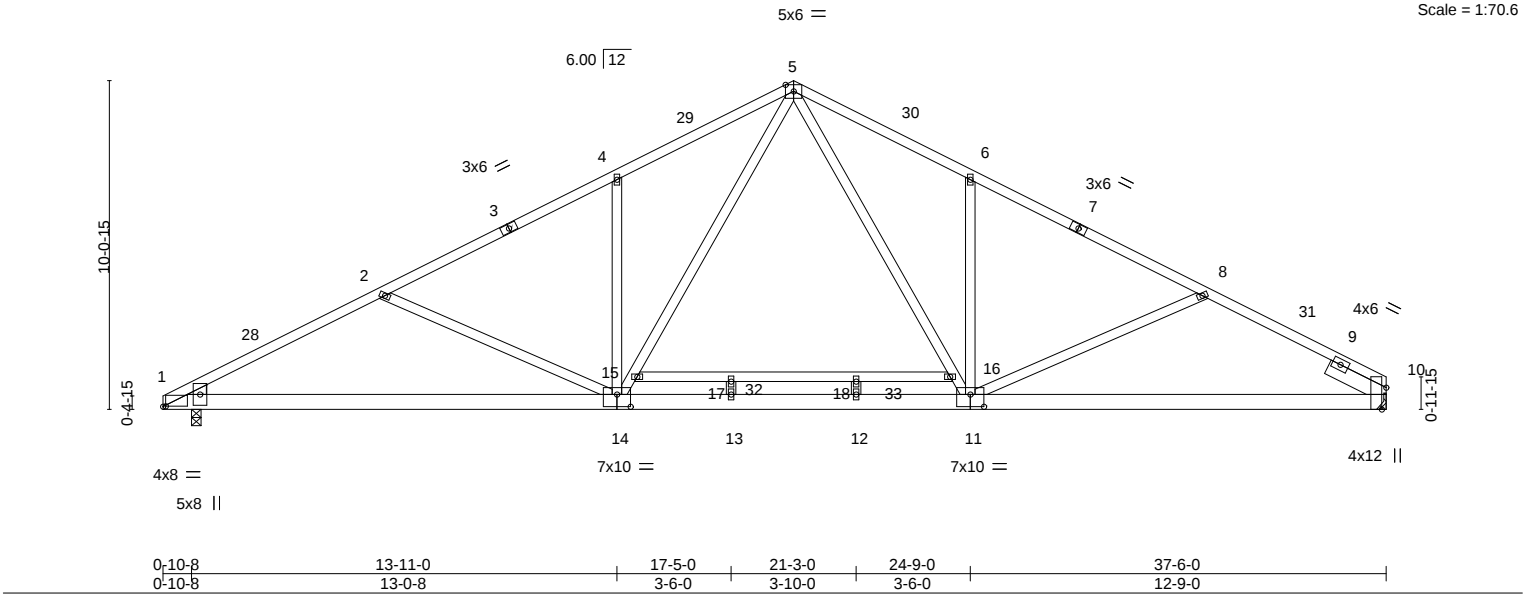


Plate Offsets (X,Y)-- [1:0-1-0,0-0-2], [10:0-8-0,Edge], [11:0-5-0,0-4-8], [14:0-5-0,0-4-8]					
LOADING (psf)		SPACING-	2-0-0	CSI.	DEFL.
TCLL	20.0	Plate Grip DOL	1.15	TC 0.88	in (loc) l/defl L/d
TCDL	10.0	Lumber DOL	1.15	BC 0.97	Vert(LL) -0.31 12-13 >999 360
BCLL	0.0 *	Rep Stress Incr	NO	WB 0.69	Vert(CT) -0.47 12-13 >961 240
BCDL	10.0	Code IRC2021/TP12014		Matrix-MS	Horz(CT) 0.09 10 n/a n/a
					Wind(LL) 0.14 12-13 >999 240
					PLATES MT20 GRIP 244/190
					Weight: 246 lb FT = 20%

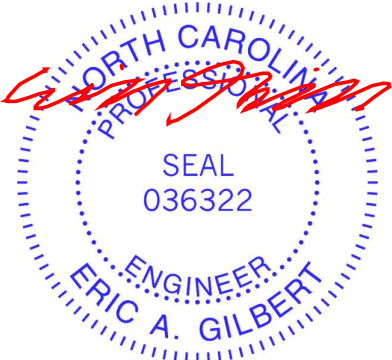
LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2 *Except* 7-10: 2x4 SP No.1	TOP CHORD	Structural wood sheathing directly applied or 2-7-6 oc purlins.
BOT CHORD	2x6 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3		
WEDGE			
Left: 2x4 SP No.3			
SLIDER	Right 2x6 SP No.2 1-11-12		

REACTIONS. (size) 10=Mechanical, 1=0-3-8
Max Horz 1=151(LC 12)
Max Uplift 10=-89(LC 13), 1=-99(LC 12)
Max Grav 10=1464(LC 1), 1=1536(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2502/222, 2-4=-2117/151, 4-5=-2115/258, 5-6=-2097/258, 6-8=-2095/154,
8-10=-2393/212
BOT CHORD 1-14=-269/2164, 13-14=0/1341, 12-13=0/1341, 11-12=0/1341, 10-11=-123/2072
WEBS 5-16=-174/889, 11-16=-173/893, 6-11=-441/216, 8-11=-337/190, 14-15=-170/925,
5-15=-172/920, 4-14=-432/216, 2-14=-405/206

- NOTES-
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed;
MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 19-4-0, Exterior(2R) 19-4-0 to 22-4-0,
Interior(1) 22-4-0 to 37-6-0 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
 - 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.
 - 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) 10, 1.
 - Load case(s) 2, 3, 18, 19, 20, 21, 22, 27, 28 has/have been modified. Building designer must review loads to verify that they are
correct for the intended use of this truss.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-5=-60, 5-10=-60, 19-23=-20



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Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Chesapeake-6260B:Lot9 NeilsCreek
FNC9-R	A02H	ROOF TRUSS	1	1	176722543
Job Reference (optional)					

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Sep 30 10:03:00 2025 Page 2
ID:hazSNSvRIgjAW5liYCphTxyvdPZ-Pi5Kr6uS1ZCHTJlejtRXo1QMf3MMj3MBHnPdnhyYTnP

- LOAD CASE(S)** Standard
- 2) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-5=-50, 5-10=-50, 19-23=-20, 32-33=-30
- 3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-20, 5-10=-20, 19-23=-40, 32-33=-40
- 18) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
Uniform Loads (plf)
Vert: 1-5=-20, 5-10=-20, 19-23=-20, 32-33=-40
- 19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-5=-50, 5-10=-42, 19-23=-20, 32-33=-30
Horz: 1-5=0, 5-10=8
- 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: 1-5=-42, 5-10=-50, 19-23=-20, 32-33=-30
Horz: 1-5=-8, 5-10=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: 1-5=-32, 5-10=-43, 19-23=-20, 32-33=-30
Horz: 1-5=-18, 5-10=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: 1-5=-43, 5-10=-32, 19-23=-20, 32-33=-30
Horz: 1-5=-7, 5-10=18
- 27) 3rd Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-5=-50, 5-10=-20, 19-23=-20, 32-33=-30
- 28) 4th Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-5=-20, 5-10=-50, 19-23=-20, 32-33=-30

 **WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 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 and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacompnents.com)



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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Chesapeake-6260B:Lot9 NeilsCreek
FNC9-R	A02HT	ROOF TRUSS	2	1	176722544

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Sep 30 10:03:01 2025 Page 1
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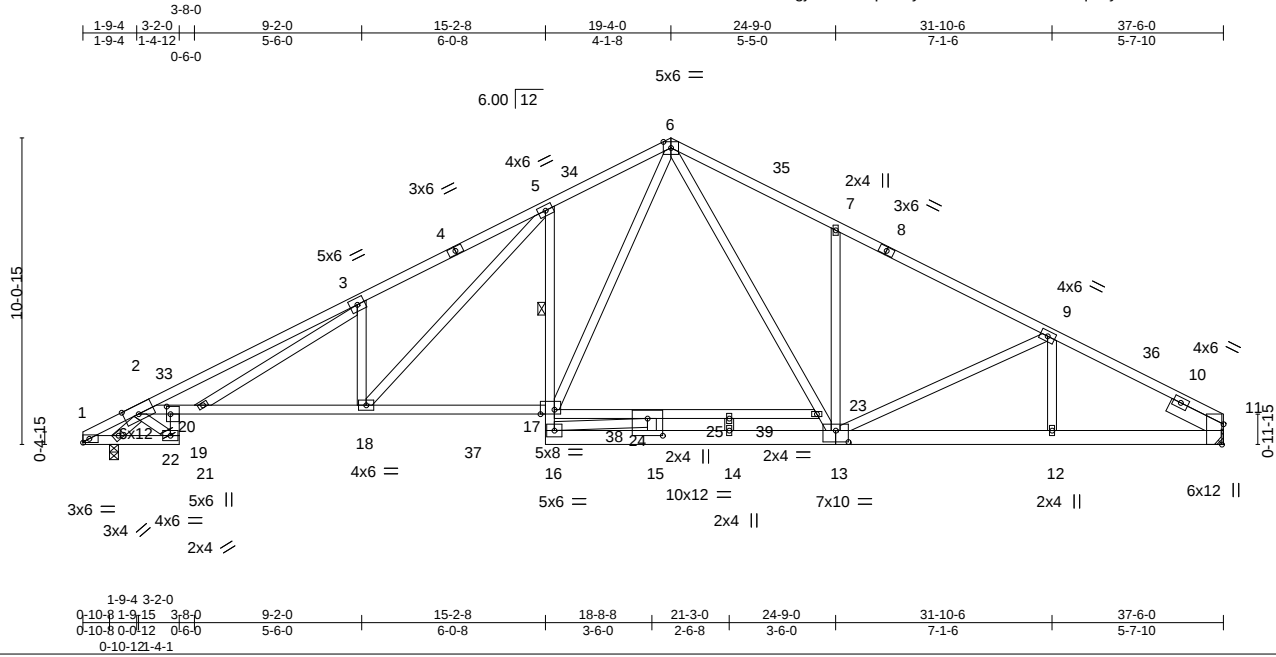


Plate Offsets (X,Y)-- [2:0-5-12,Edge], [11:0-8-0,Edge], [13:0-5-0-0-4-8], [17:0-5-8,Edge], [20:0-3-0-0-1-8], [24:0-6-0-0-6-12]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	
TCLL	20.0	Plate Grip DOL	1.15	TC	0.87	in (loc)	l/defl	MT20	GRIP
TCDL	10.0	Lumber DOL	1.15	BC	1.00	Vert(LL)	>999		244/190
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.57	Vert(CT)	>926		
BCDL	10.0	Code IRC2021/TPI2014		Matrix-MS		Horz(CT)	0.24 11 n/a		
						Wind(LL)	0.15 17-18 >999	Weight: 261 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2 *Except* 1-4: 2x4 SP 2400F 2.0E or 2x4 SP DSS or 2x4 SP SS	TOP CHORD	Structural wood sheathing directly applied or 2-4-4 oc purlins.
BOT CHORD	2x4 SP No.2 *Except* 2-17: 2x4 SP 2400F 2.0E or 2x4 SP DSS or 2x4 SP SS 5-16: 2x4 SP No.3, 13-16: 2x6 SP No.2 11-13: 2x6 SP 2400F 2.0E or 2x6 SP DSS	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing. Except: 1 Row at midpt 5-17
WEBS	2x4 SP No.3 *Except* 17-23: 2x4 SP No.2		
SLIDER	Right 2x6 SP No.2 1-11-12		

REACTIONS. (size) 11=Mechanical, 22=0-3-8
Max Horz 22=151(LC 12)
Max Uplift 11=-89(LC 13), 22=-99(LC 12)
Max Grav 11=1641(LC 2), 22=1748(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4613/405, 3-5=-3397/332, 5-6=-2447/255, 6-7=-2377/268, 7-9=-2376/165, 9-11=-2613/159
BOT CHORD 21-22=-247/1470, 20-21=-211/1412, 2-20=-349/3870, 19-20=-405/4096, 18-19=-234/2990, 17-18=-78/2167, 16-17=0/256, 5-17=-734/246, 15-16=0/1565, 14-15=0/1565, 13-14=0/1565, 12-13=-82/2285, 11-12=-82/2285
WEBS 3-18=-601/238, 5-18=-219/1199, 6-17=-173/1248, 6-23=-193/917, 13-23=-196/940, 7-13=-427/208, 9-13=-335/135, 17-24=0/1442, 16-24=-1379/0, 2-21=-1814/287, 2-22=-2052/170, 3-19=-207/1357

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 19-4-0, Exterior(2R) 19-4-0 to 22-4-0, Interior(1) 22-4-0 to 37-6-0 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
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11, 22.
 - Load case(s) 2, 3, 18, 19, 20, 21, 22, 27, 28 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

LOAD CASE(S) Standard
Continued on page 2

October 1,2025

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



Job	Truss	Truss Type	Qty	Ply	Chesapeake-6260B:Lot9 NeilsCreek
FNC9-R	A02HT	ROOF TRUSS	2	1	176722544

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Sep 30 10:03:01 2025 Page 2
ID:hazSNSvRIgjAW5liYCphTxyvdPZ-tufi3Sv4otK85ttqHbymKEzXdTi8SYXKWR9AK7yYTnO

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-6=-60, 6-11=-60, 21-26=-20, 17-20=-20, 16-29=-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, 6-11=-50, 21-26=-35, 2-20=-15, 20-37=-35, 17-37=-50, 16-29=-35, 38-39=-30
- 3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=-20, 6-11=-20, 21-26=-40, 17-20=-40, 16-29=-40, 38-39=-40
- 18) Dead + Uninhabitable Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=-20, 6-11=-20, 21-26=-40, 2-20=-20, 20-37=-40, 17-37=-60, 16-29=-40, 38-39=-40
- 19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-6=-50, 6-11=-42, 22-26=-23, 21-22=-35, 2-20=-15, 20-37=-35, 17-37=-50, 16-29=-35, 38-39=-30
Horz: 1-6=-0, 6-11=8
- 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: 1-6=-42, 6-11=-50, 21-26=-35, 2-20=-15, 20-37=-35, 17-37=-50, 16-29=-35, 38-39=-30
Horz: 1-6=-8, 6-11=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: 1-6=-32, 6-11=-43, 21-26=-35, 2-20=-15, 20-37=-35, 17-37=-50, 16-29=-35, 38-39=-30
Horz: 1-6=-18, 6-11=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: 1-6=-43, 6-11=-32, 21-26=-35, 2-20=-15, 20-37=-35, 17-37=-50, 16-29=-35, 38-39=-30
Horz: 1-6=-7, 6-11=18
- 27) 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, 6-11=-20, 21-26=-35, 2-20=-15, 20-37=-35, 17-37=-50, 16-29=-35, 38-39=-30
- 28) 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, 6-11=-50, 21-26=-35, 2-20=-15, 20-37=-35, 17-37=-50, 16-29=-35, 38-39=-30

 **WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.**

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Job	Truss	Truss Type	Qty	Ply	Chesapeake-6260B:Lot9 NeilsCreek
FNC9-R	A03HT	ROOF TRUSS	1	1	176722545

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Sep 30 10:03:02 2025 Page 1
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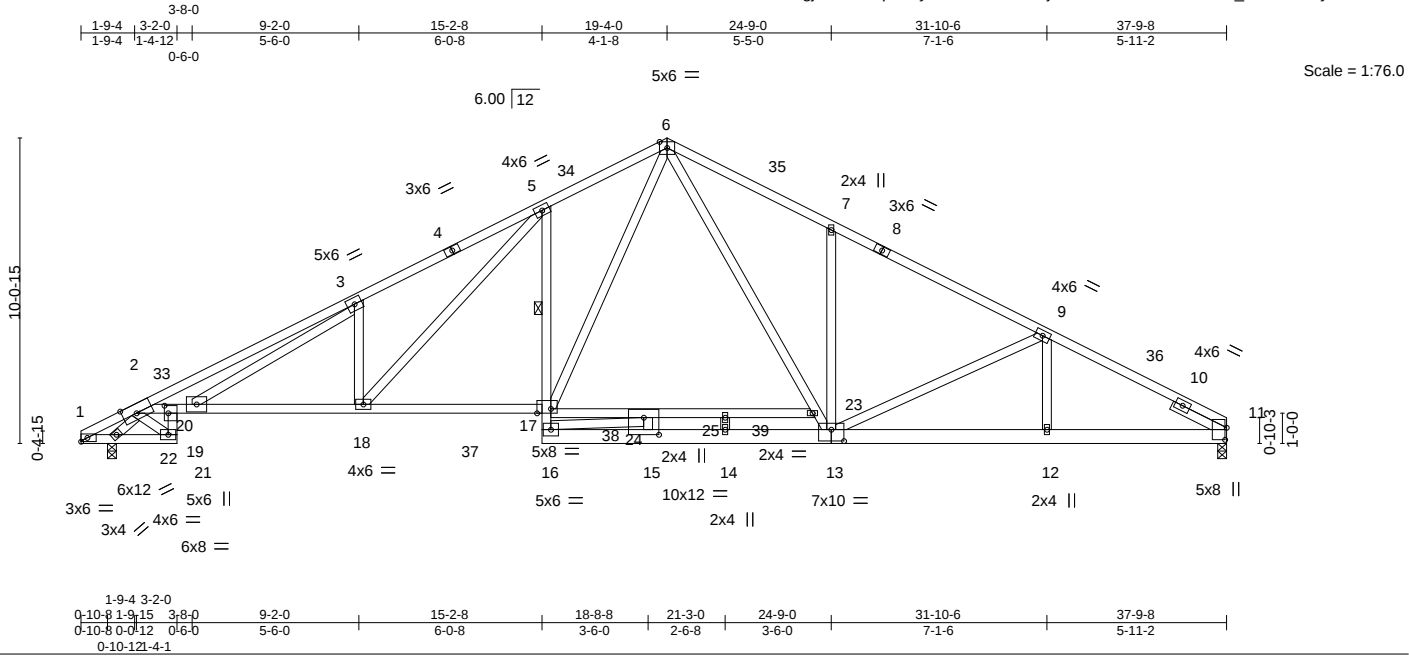


Plate Offsets (X,Y)--		[2:0-5-8,Edge], [11:0-4-12,0-0-10], [13:0-5-0,0-4-8], [17:0-5-8,Edge], [20:0-3-0,0-1-8], [24:0-6-0,0-6-12]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.15	TC 0.83
TCDL 10.0	Lumber DOL	1.15	BC 0.99
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.58
BCDL 10.0	Code	IRC2021/TPI2014	Matrix-MS
			DEFL.
			in (loc) l/defl L/d
			Vert(LL) -0.26 17-18 >999 360
			Vert(CT) -0.48 17-18 >926 240
			Horz(CT) 0.24 11 n/a n/a
			Wind(LL) 0.15 17-18 >999 240
			PLATES GRIP
			MT20 244/190
			Weight: 261 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except*	TOP CHORD Structural wood sheathing directly applied or 2-4-11 oc purlins.
1-4: 2x4 SP 2400F 2.0E or 2x4 SP DSS or 2x4 SP SS	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
BOT CHORD 2x4 SP No.2 *Except*	1 Row at midpt 5-17
2-17: 2x4 SP 2400F 2.0E or 2x4 SP DSS or 2x4 SP SS	
5-16: 2x4 SP No.3, 13-16: 2x6 SP No.2	
11-13: 2x6 SP 2400F 2.0E or 2x6 SP DSS	
WEBS 2x4 SP No.3 *Except*	
17-23: 2x4 SP No.2	
SLIDER Right 2x4 SP No.3 1-11-12	
REACTIONS. (size) 11=0-3-8, 22=0-3-8	
Max Horz 22=148(LC 12)	
Max Uplift 11=-91(LC 13), 22=-99(LC 12)	
Max Grav 11=1653(LC 2), 22=1761(LC 3)	

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD 2-3=-4673/406, 3-5=-3431/331, 5-6=-2476/255, 6-7=-2423/271, 7-9=-2424/167, 9-11=-2767/167	
BOT CHORD 21-22=-244/1480, 20-21=-209/1425, 2-20=-348/3925, 19-20=-404/4151, 18-19=-231/3020, 17-18=-75/2194, 16-17=0/257, 5-17=-735/246, 15-16=0/1589, 14-15=0/1589, 13-14=0/1589, 12-13=-86/2427, 11-12=-86/2427	
WEBS 3-18=600/237, 5-18=-219/1204, 6-17=-173/1252, 6-23=-195/947, 13-23=-198/970, 7-13=-423/207, 9-13=-423/142, 17-24=0/1463, 16-24=-1399/0, 2-21=-1832/284, 2-22=-2066/170, 3-19=-209/1383	

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 19-4-0, Exterior(2R) 19-4-0 to 22-4-0, Interior(1) 22-4-0 to 37-9-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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) 11, 22.
 - Load case(s) 2, 3, 18, 19, 20, 21, 22, 27, 28 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

LOAD CASE(S) Standard October 1,2025

Job	Truss	Truss Type	Qty	Ply	Chesapeake-6260B:Lot9 NeilsCreek
FNC9-R	A03HT	ROOF TRUSS	1	1	176722545
Job Reference (optional)					

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-6=-60, 6-11=-60, 21-26=-20, 17-20=-20, 16-29=-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, 6-11=-50, 21-26=-35, 2-20=-15, 20-37=-35, 17-37=-50, 16-29=-35, 38-39=-30
- 3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=-20, 6-11=-20, 21-26=-40, 17-20=-40, 16-29=-40, 38-39=-40
- 18) Dead + Uninhabitable Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=-20, 6-11=-20, 21-26=-40, 2-20=-20, 20-37=-40, 17-37=-60, 16-29=-40, 38-39=-40
- 19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-6=-50, 6-11=-42, 22-26=-23, 21-22=-35, 2-20=-15, 20-37=-35, 17-37=-50, 16-29=-35, 38-39=-30
Horz: 1-6=-0, 6-11=8
- 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: 1-6=-42, 6-11=-50, 21-26=-35, 2-20=-15, 20-37=-35, 17-37=-50, 16-29=-35, 38-39=-30
Horz: 1-6=-8, 6-11=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: 1-6=-32, 6-11=-43, 21-26=-35, 2-20=-15, 20-37=-35, 17-37=-50, 16-29=-35, 38-39=-30
Horz: 1-6=-18, 6-11=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: 1-6=-43, 6-11=-32, 21-26=-35, 2-20=-15, 20-37=-35, 17-37=-50, 16-29=-35, 38-39=-30
Horz: 1-6=-7, 6-11=18
- 27) 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, 6-11=-20, 21-26=-35, 2-20=-15, 20-37=-35, 17-37=-50, 16-29=-35, 38-39=-30
- 28) 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, 6-11=-50, 21-26=-35, 2-20=-15, 20-37=-35, 17-37=-50, 16-29=-35, 38-39=-30

 **WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 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 and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacompnents.com)



818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Chesapeake-6260B:Lot9 NeilsCreek
FNC9-R	A04	ROOF TRUSS	1	1	176722546

Builders FirstSource (Apex, NC),	Apex, NC - 27523,	8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Sep 30 10:03:02 2025 Page 1
6-9-10	13-11-0	ID:hazSNSvRlgjAW5liYCphTxyvdPZ-L5C4GowjZBS?i1S0rIT?tSVI_t7gB0tUk5uksayYTnN
6-9-10	7-1-6	24-9-0
		31-10-6
		7-1-6
		38-8-0
		6-9-10

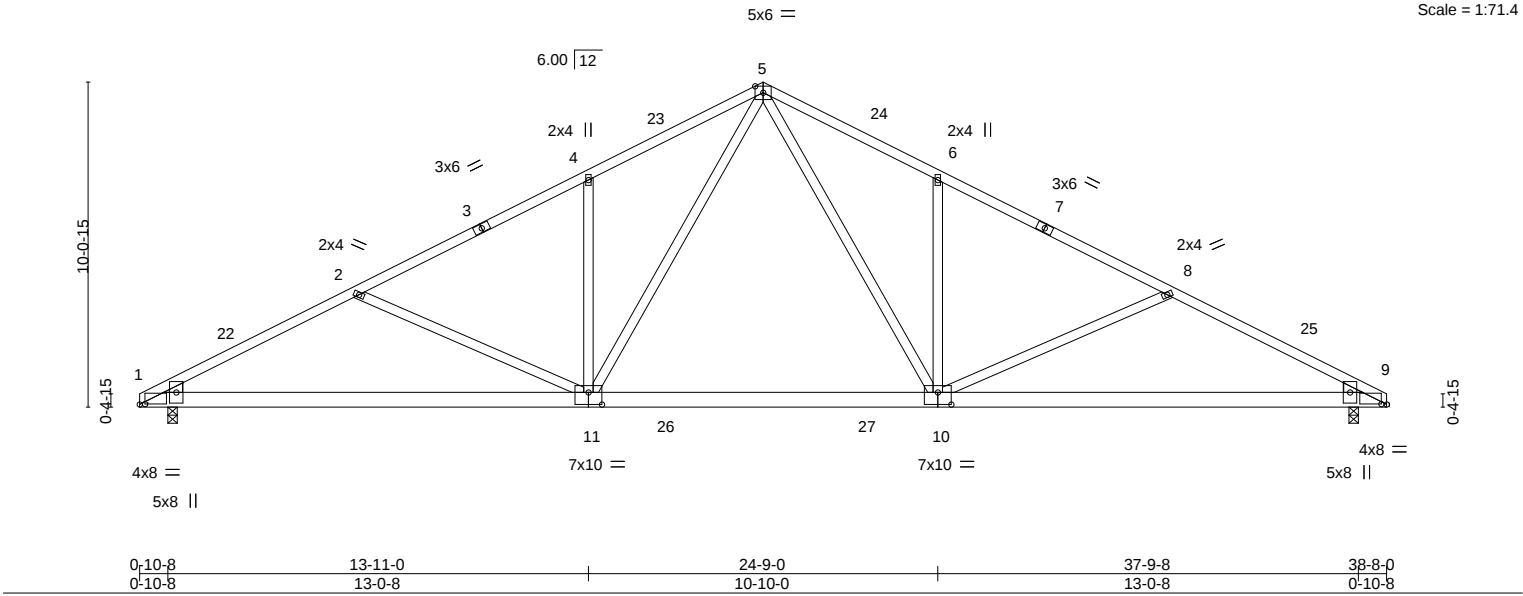


Plate Offsets (X,Y)--		[1:0-2-0,0-0-2], [9:0-2-0,0-0-2], [10:0-5-0,0-4-8], [11:0-5-0,0-4-8]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plate Grip DOL 1.15		TC 0.70		Vert(LL)	-0.29 10-11	>999	360	MT20	244/190
TCDL 10.0		Lumber DOL 1.15		BC 0.66		Vert(CT)	-0.46 10-11	>999	240		
BCLL 0.0 *		Rep Stress Incr YES		WB 0.50		Horz(CT)	0.06 9	n/a	n/a		
BCDL 10.0		Code IRC2021/TPI2014		Matrix-MS		Wind(LL)	0.14 10-11	>999	240	Weight: 231 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-8-1 oc purlins.
BOT CHORD 2x6 SP 2400F 2.0E or 2x6 SP DSS *Except*	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
10-11: 2x6 SP No.2	
WEBS 2x4 SP No.3	
WEDGE	
Left: 2x4 SP No.3 , Right: 2x4 SP No.3	

REACTIONS. (size) 1=0-3-8, 9=0-3-8
Max Horz 1=140(LC 12)
Max Uplift 1=-99(LC 12), 9=-99(LC 13)
Max Grav 1=1690(LC 2), 9=1690(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2707/226, 2-4=-2382/153, 4-5=-2378/259, 5-6=-2378/259, 6-8=-2382/153, 8-9=-2707/226
BOT CHORD 1-11=-262/2361, 10-11=0/1545, 9-10=-122/2361
WEBS 5-10=-174/1069, 6-10=-430/215, 8-10=-412/209, 5-11=-174/1069, 4-11=-430/215, 2-11=-412/209

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TC DL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 19-4-0, Exterior(2R) 19-4-0 to 22-4-0, Interior(1) 22-4-0 to 38-8-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 9.



October 1,2025

Job	Truss	Truss Type	Qty	Ply	Chesapeake-6260B:Lot9 NeilsCreek
FNC9-R	A04HT	ROOF TRUSS	2	1	176722547

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Sep 30 10:03:03 2025 Page 2
ID:hazSNSvRlgjAW5liYCphTxyvdPZ-pHmTU8xLKUaskB0DO0_EPf2tbHObwRodzleHO0yYTnM

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-6=-60, 6-10=-60, 21-26=-20, 20-21=-20, 16-19=-20, 15-29=-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, 6-10=-50, 21-26=-35, 20-21=-35, 2-19=-15, 19-38=-35, 16-38=-50, 15-29=-35, 39-40=-30
- 3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=-20, 6-10=-20, 21-26=-40, 20-21=-40, 16-19=-40, 15-29=-40, 39-40=-40
- 18) Dead + Uninhabitable Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=-20, 6-10=-20, 21-26=-40, 20-21=-40, 2-19=-20, 19-38=-40, 16-38=-60, 15-29=-40, 39-40=-40
- 19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-6=-50, 6-10=-42, 22-26=-23, 21-22=-35, 20-21=-35, 2-19=-15, 19-38=-35, 16-38=-50, 15-29=-35, 39-40=-30
Horz: 1-6=-0, 6-10=8
- 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: 1-6=-42, 6-10=-50, 21-26=-35, 20-21=-35, 2-19=-15, 19-38=-35, 16-38=-50, 15-29=-35, 39-40=-30
Horz: 1-6=-8, 6-10=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: 1-6=-32, 6-10=-43, 21-26=-35, 20-21=-35, 2-19=-15, 19-38=-35, 16-38=-50, 15-29=-35, 39-40=-30
Horz: 1-6=-18, 6-10=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: 1-6=-43, 6-10=-32, 21-26=-35, 20-21=-35, 2-19=-15, 19-38=-35, 16-38=-50, 15-29=-35, 39-40=-30
Horz: 1-6=-7, 6-10=18
- 27) 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, 6-10=-20, 21-26=-35, 20-21=-35, 2-19=-15, 19-38=-35, 16-38=-50, 15-29=-35, 39-40=-30
- 28) 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, 6-10=-50, 21-26=-35, 20-21=-35, 2-19=-15, 19-38=-35, 16-38=-50, 15-29=-35, 39-40=-30

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 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 and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacompnents.com)



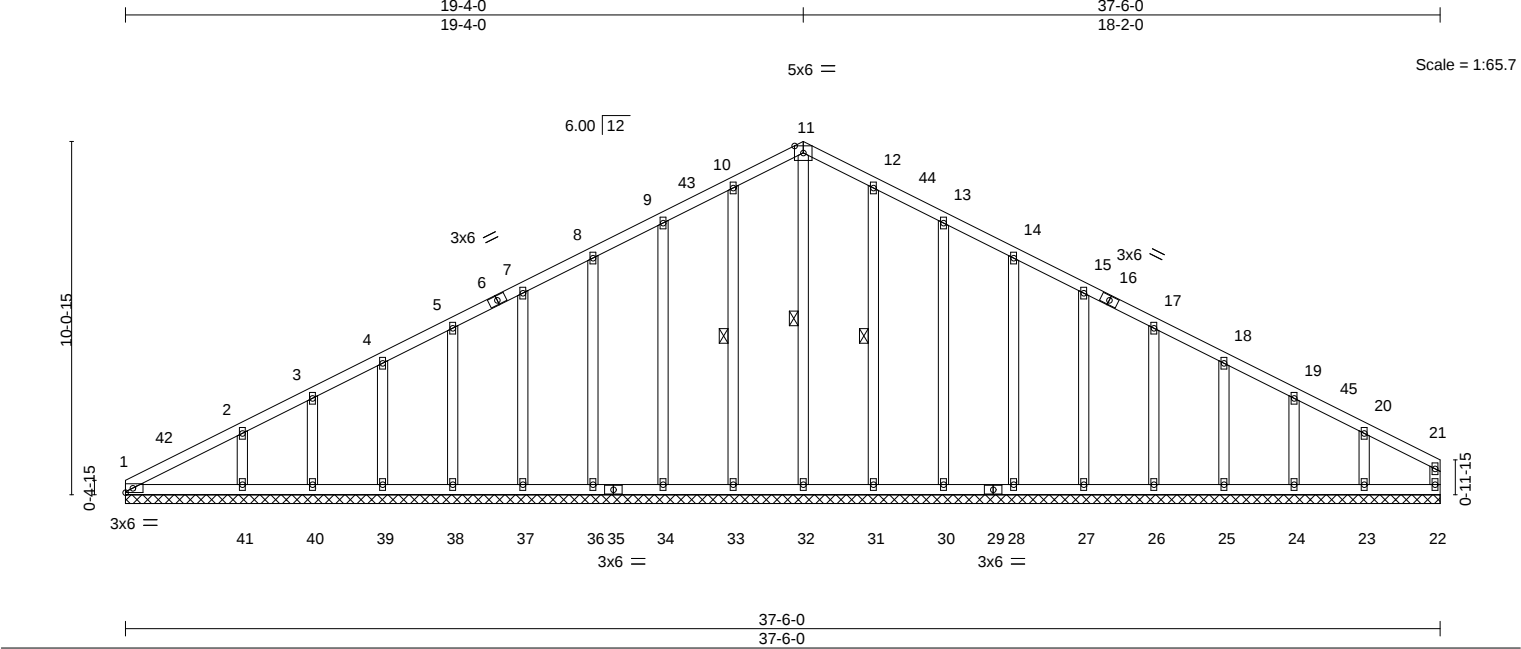
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Chesapeake-6260B:Lot9 NeilsCreek
FNC9-R	A07G	GABLE	2	1	176722548

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Sep 30 10:03:04 2025 Page 1

ID:hazSNSvRlgjAW5liYCphTxyvdPZ-HTKrHTyz5oiyLbPyjVTyrbDMgyAf?znCPNrxSyYTnL



LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	2-0-0	TC 0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.08	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.14	Horz(CT)	0.00	22	n/a	n/a		
BCDL 10.0	Code IRC2021/TPI2014		Matrix-S						Weight: 253 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 10-0-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 11-32, 10-33, 12-31
OTHERS 2x4 SP No.3	

REACTIONS. All bearings 37-6-0.
(lb) - Max Horz 1=144(LC 16)
Max Uplift All uplift 100 lb or less at joint(s) 1, 33, 34, 36, 37, 38, 39, 40, 41, 31, 30, 28, 27, 26, 25, 24, 23
Max Grav All reactions 250 lb or less at joint(s) 1, 22, 32, 33, 34, 36, 37, 38, 39, 40, 31, 30, 28, 27, 26, 25, 24, 23 except 41=272(LC 25)

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 19-4-0, Exterior(2R) 19-4-0 to 22-4-0, Interior(1) 22-4-0 to 37-4-4 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
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 33, 34, 36, 37, 38, 39, 40, 41, 31, 30, 28, 27, 26, 25, 24, 23.



October 1,2025

Job	Truss	Truss Type	Qty	Ply	Chesapeake-6260B:Lot9 NeilsCreek
FNC9-R	B02	COMMON	1	1	176722549

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Sep 30 10:03:05 2025 Page 1
ID:hazSNSvRIgJAW5liYCphTxyvdPZ-lguDvpybs6qaZVAbWR1iV47Jg4A4OSewQ37OTvyYTnK

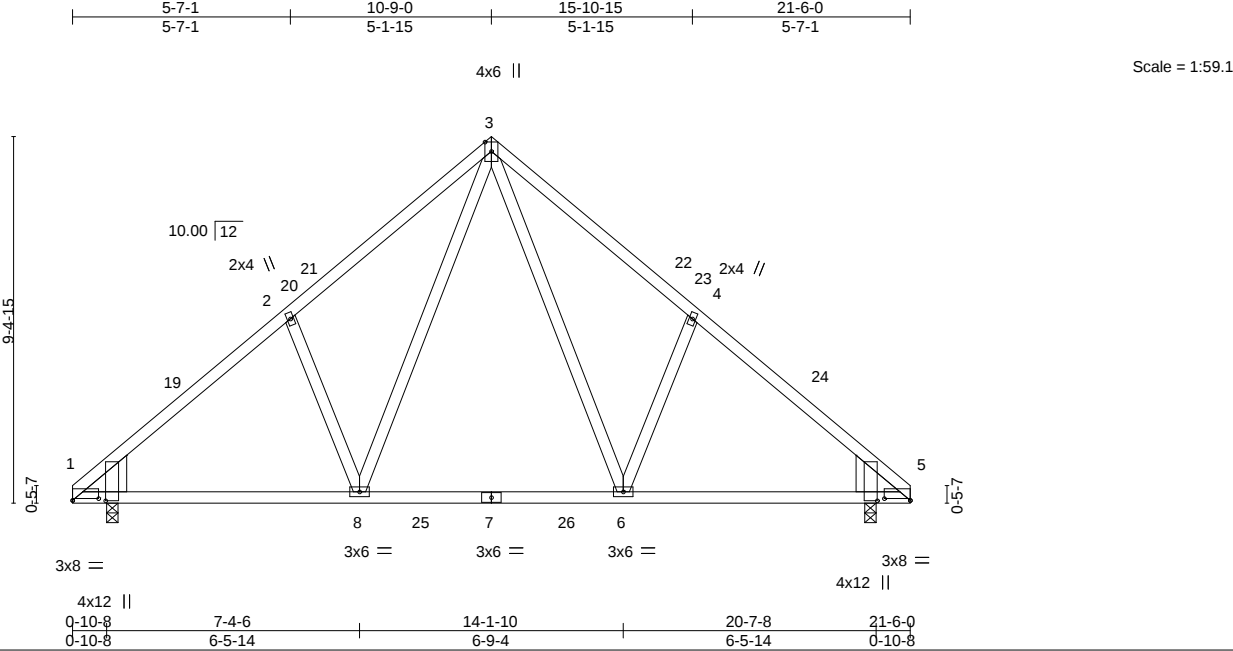


Plate Offsets (X,Y)--		[1:0-8-0,0-0-9], [1:0-0-2,0-10-3], [5:0-8-0,0-0-9], [5:0-0-2,0-10-3]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.15	TC 0.48
TCDL 10.0	Lumber DOL	1.15	BC 0.62
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.18
BCDL 10.0	Code	IRC2021/TPI2014	Matrix-MS
			DEFL.
			in (loc) l/defl L/d
			Vert(LL) -0.14 6-8 >999 360
			Vert(CT) -0.23 6-8 >999 240
			Horz(CT) 0.02 5 n/a n/a
			Wind(LL) 0.02 6-8 >999 240
			PLATES GRIP
			MT20 244/190
			Weight: 127 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-3-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	
WEDGE	
Left: 2x12 SP DSS or 2400F 2.0E , Right: 2x12 SP DSS or 2400F 2.0E	

REACTIONS. (size) 1=0-3-8, 5=0-3-8
Max Horz 1=-192(LC 8)
Max Uplift 1=-2(LC 12), 5=-2(LC 13)
Max Grav 1=966(LC 19), 5=966(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-977/61, 2-3=-903/148, 3-4=-903/160, 4-5=-977/81
BOT CHORD 1-8=-44/792, 6-8=0/547, 5-6=0/692
WEBS 3-6=-98/475, 3-8=-98/475

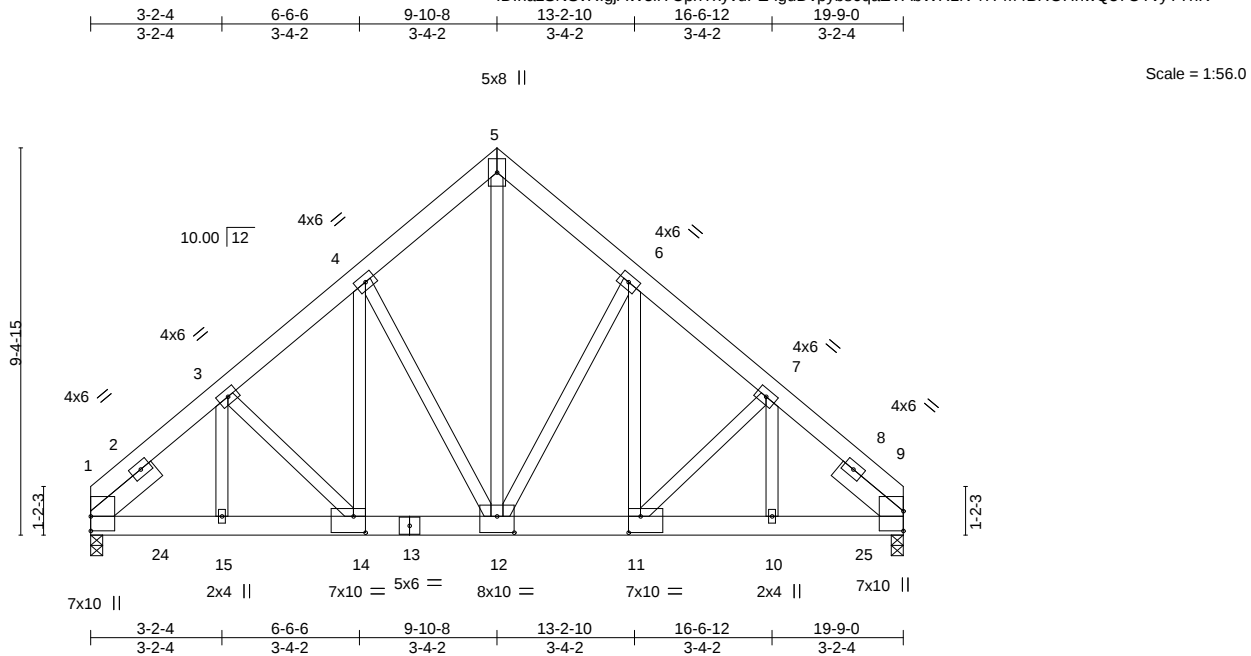
- NOTES-
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 10-9-0, Exterior(2E) 10-9-0 to 14-11-15, Interior(1) 14-11-15 to 21-6-0 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
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5.



October 1,2025

Job	Truss	Truss Type	Qty	Ply	Chesapeake-6260B:Lot9 NeilsCreek
FNC9-R	B03GR	DBL. HOWE	1	2	176722550

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Sep 30 10:03:05 2025 Page 1
ID:hazSNSvRlgjAW5liYcPhTxyvdPZ-lguDvpybs6qaZVAbWR1v47FM4BROHhwQ37OTvyYTnK



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.15	TC	0.76	Vert(LL)	-0.08 12-14 >999 360	MT20		244/190	
TCDL	10.0	Lumber DOL	1.15	BC	0.53	Vert(CT)	-0.17 12-14 >999 240				
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.88	Horz(CT)	0.05 9 n/a n/a				
BCDL	10.0	Code IRC2021/TPI2014		Matrix-MS		Wind(LL)	0.07 12-14 >999 240				
								Weight: 374 lb		FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x6 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 3-11-11 oc purlins.
BOT CHORD	2x6 SP 2400F 2.0E or 2x6 SP DSS	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3 *Except*		
	5-12: 2x4 SP No.2		
SLIDER	Left 2x6 SP No.2 1-11-12, Right 2x6 SP No.2 1-11-12		

REACTIONS.	
(size)	1=0-3-8 (req. 0-4-5), 9=0-3-8 (req. 0-4-5)
Max Horz	1=-177(LC 6)
Max Uplift	1=-803(LC 8), 9=-803(LC 9)
Max Grav	1=7278(LC 1), 9=7278(LC 1)

FORCES.	
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	1-3=-8528/965, 3-4=-7455/890, 4-5=-5900/773, 5-6=-5900/773, 6-7=-7455/890, 7-9=-8528/966
BOT CHORD	1-15=-763/6111, 14-15=-763/6111, 12-14=-658/5762, 11-12=-606/5762, 10-11=-661/6111, 9-10=-661/6111
WEBS	3-15=-151/1505, 4-14=-363/3006, 5-12=-899/7151, 6-11=-363/3006, 7-10=-152/1505, 3-14=-521/148, 4-12=-2568/410, 6-12=-2568/411, 7-11=-522/149

- NOTES-**
- 1) N/A
 - 2) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-6-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - 3) 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.
 - 4) Unbalanced roof live loads have been considered for this design.
 - 5) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; 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
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 8) WARNING: Required bearing size at joint(s) 1, 9 greater than input bearing size.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=803, 9=803.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	Chesapeake-6260B:Lot9 NeilsCreek
FNC9-R	B03GR	DBL. HOWE	1	2	176722550

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

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ID:hazSNSvRIgjAW5liYCphTxyvdPZ-lguDvpybs6qaZVAbWR1iV47FM4BROHhwQ37OTvyYTnK

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 16-24=-20, 24-25=-751(F=-731), 20-25=-20, 1-5=-60, 5-9=-60

 **WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 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 and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)



818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Chesapeake-6260B:Lot9 NeilsCreek
FNC9-R	B04G	GABLE	1	1	176722551

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Sep 30 10:03:06 2025 Page 1
ID:hazSNSvRlgljAW5liYCphTxyvdPZ-DsSb69zDdPyRBelo48Yx1lgaZUe27wo3fjsx?LyYTnJ

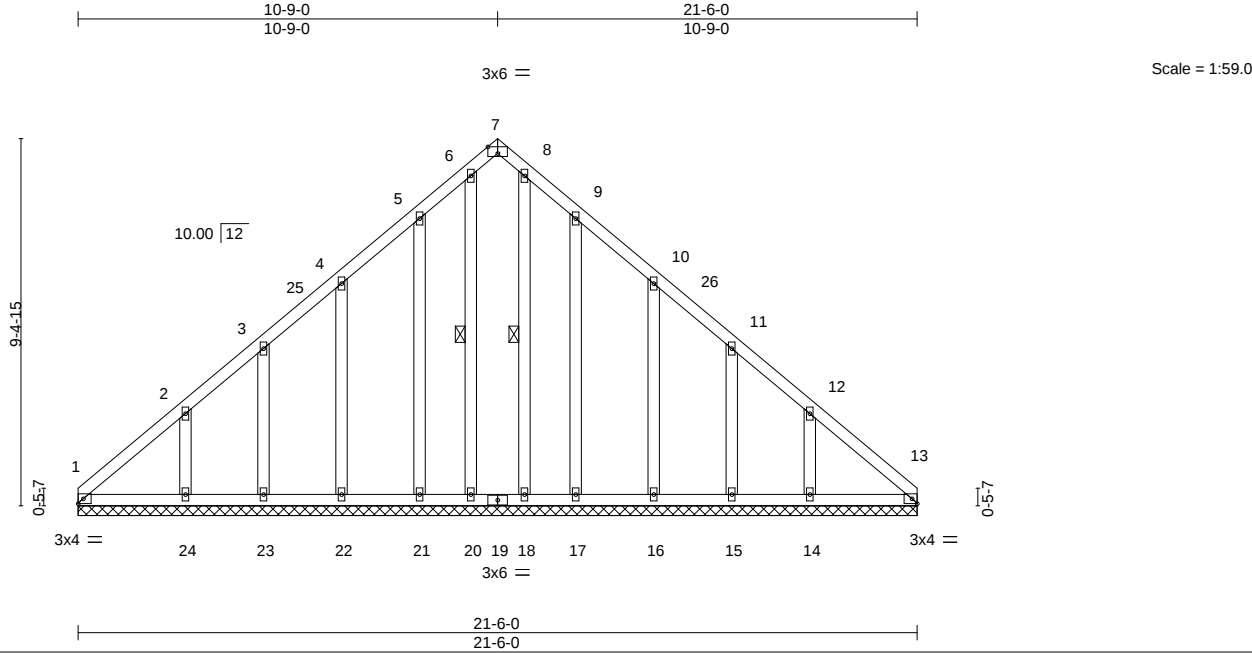


Plate Offsets (X,Y)--		[7:0-3-0,Edge]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.15	TC 0.09
TCDL 10.0	Lumber DOL	1.15	BC 0.06
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.12
BCDL 10.0	Code	IRC2021/TPI2014	Matrix-S
			DEFL.
			in (loc) l/defl L/d
			Vert(LL) n/a - n/a 999
			Vert(CT) n/a - n/a 999
			Horz(CT) 0.01 13 n/a n/a
			PLATES GRIP
			MT20 244/190
			Weight: 155 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SP No.3	WEBS 1 Row at midpt 6-20, 8-18

REACTIONS. All bearings 21-6-0.
(lb) - Max Horz 1=-195(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 1, 13, 21, 22, 23, 17, 16, 15 except 24=-103(LC 12), 14=-102(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 13, 20, 18, 21, 22, 23, 24, 17, 16, 15, 14

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 2-9-0, Interior(1) 2-9-0 to 10-9-0, Exterior(2E) 10-9-0 to 14-9-0, Interior(1) 14-9-0 to 21-6-0 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.
 - 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) 1, 13, 21, 22, 23, 17, 16, 15 except (j=lb) 24=103, 14=102.



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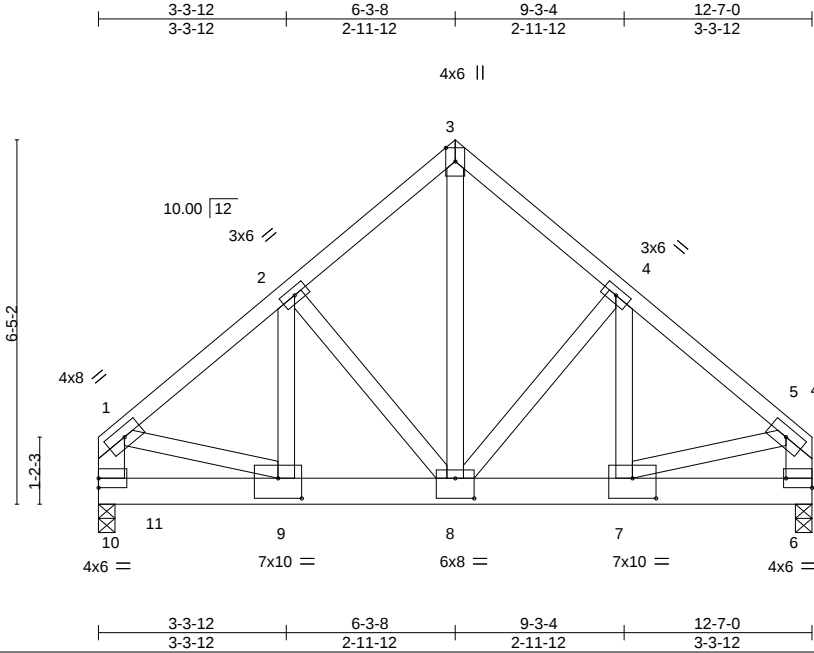
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacompnents.com)

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

Job	Truss	Truss Type	Qty	Ply	Chesapeake-6260B:Lot9 NeilsCreek
FNC9-R	C02GR	COMMON	1	2	176722552

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Sep 30 10:03:07 2025 Page 1
ID:hazSNSvRlgjAW5liYCphTxyvdPZ-i20zJV_rOj5lpoK_ds3AaVDjlusAsBqDuNcVXnyYTnl



Scale = 1:40.6

Plate Offsets (X,Y)--		[6:Edge,0-2-0], [7:0-5-0,0-4-4], [8:0-4-0,0-4-4], [9:0-5-0,0-4-4]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.15	TC 0.22
TCDL 10.0	Lumber DOL	1.15	BC 0.58
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.84
BCDL 10.0	Code	IRC2021/TP12014	Matrix-MS
DEFL.	in (loc)	l/defl	L/d
Vert(LL)	-0.03	8-9	>999 360
Vert(CT)	-0.06	8-9	>999 240
Horz(CT)	0.01	6	n/a n/a
Wind(LL)	0.03	8-9	>999 240
PLATES	GRIP		
MT20	244/190		
Weight: 193 lb		FT = 20%	

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-10-1 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3 *Except* 1-10,5-6: 2x6 SP No.2	

REACTIONS. (size) 10=0-3-8, 6=0-3-8
Max Horz 10=-131(LC 6)
Max Uplift 10=-466(LC 8), 6=-529(LC 9)
Max Grav 10=4682(LC 15), 6=5258(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-3954/408, 1-2=-4615/490, 2-3=-3592/437, 3-4=-3615/436, 4-5=-4702/498
BOT CHORD 9-10=-147/580, 8-9=-410/3563, 7-8=-356/3585
WEBS 3-8=-497/4377, 4-8=-1245/228, 4-7=-139/1531, 5-7=-372/3753, 2-8=-1197/213, 2-9=-130/1416, 1-9=-305/3123, 5-6=-4167/428

- NOTES-
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-6-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered 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 7-16; Vult=120mph (3-second gust) Vasd=95mph; 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
 - 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 (it=lb) 10=466, 6=529.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-60, 3-5=-60, 10-11=-20, 6-11=-751(F=-731)



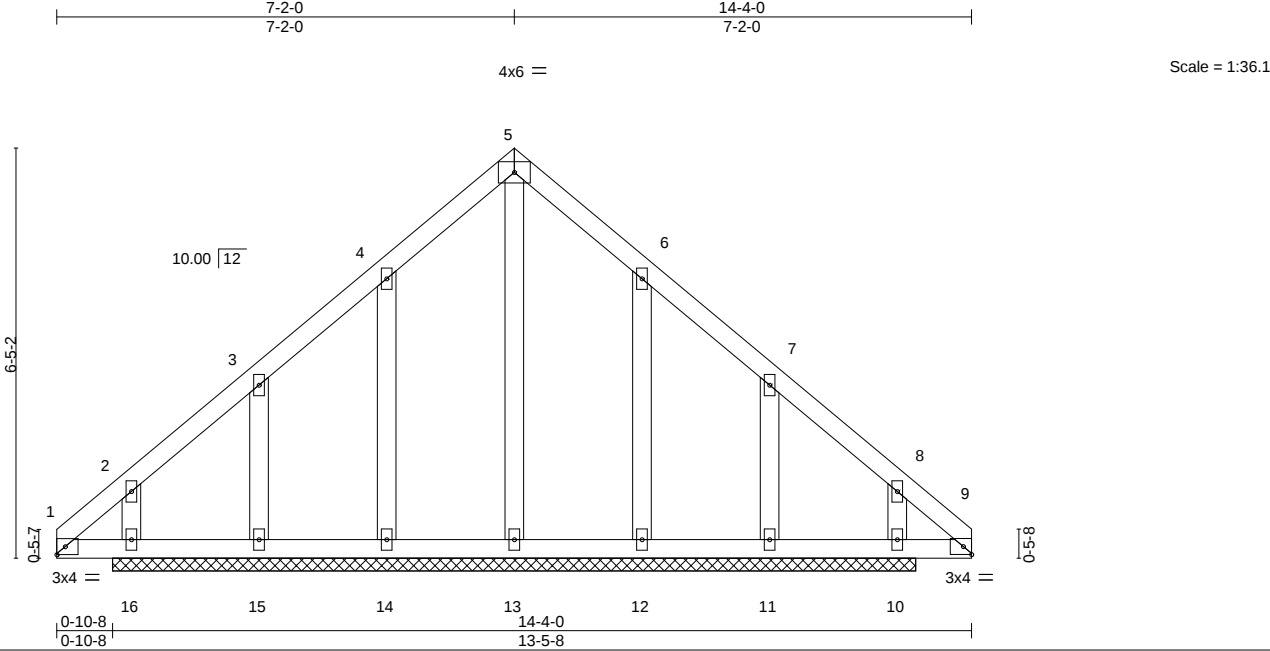
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ENGINEERING BY
TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Chesapeake-6260B:Lot9 NeilsCreek
FNC9-R	C03G	GABLE	1	1	176722553

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Sep 30 10:03:07 2025 Page 1
ID:hazSNSvRlgjAW5liYCphTxyvdPZ-i20zJV_rOj5lpoK_ds3AaVDIbuzgsMWDuNcVXnyYTnl



LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.07	Vert(LL) n/a	-	n/a	999		MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.10	Vert(CT) n/a	-	n/a	999			
BCLL 0.0 *	Rep Stress Incr NO	WB 0.15	Horz(CT) 0.00	10	n/a	n/a			
BCDL 10.0	Code IRC2021/TPI2014	Matrix-S						Weight: 81 lb	FT = 20%

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

REACTIONS. All bearings 12-7-0.
(lb) - Max Horz 16=-131(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 14, 16, 12, 10 except 15=-118(LC 12), 11=-114(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 13, 14, 15, 16, 12, 11, 10

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) 0-0-0 to 3-2-0, Exterior(2N) 3-2-0 to 7-2-0, Corner(3R) 7-2-0 to 10-2-0, Exterior(2N) 10-2-0 to 14-4-0 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 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) 14, 16, 12, 10 except (jt=lb) 15=118, 11=114.



October 1,2025

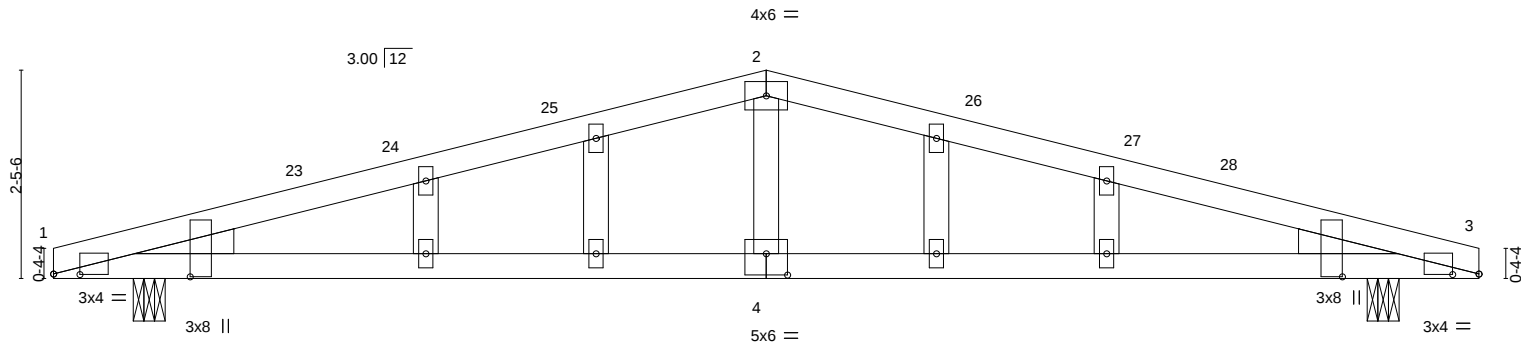
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ENGINEERING BY
TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Chesapeake-6260B:Lot9 NeilsCreek
FNC9-R	CP07G	GABLE	1	1	I76722554

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Sep 30 10:03:08 2025 Page 1
ID:hazSNSvRlgjAW5liY CphTxyvdPZ-AFaMxR?T91D9QyvABZaP6jIodlCkbqPM71L24DyYTnH
16-9-0
8-4-8

Scale = 1:27.1



0-11-4	8-4-8	15-9-12	16-9-0
0-11-4	7-5-4	7-5-4	0-11-4

Plate Offsets (X,Y)-- [1:0-3-11,0-0-1], [1:0-0-6,1-7-4], [3:0-0-6,1-7-4], [3:0-3-11,0-0-1], [4:0-3-0,0-3-0]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	
TCLL	20.0	Plate Grip DOL	1.15	TC	0.63	Vert(LL)	-0.10 4-17 >999 360	MT20	GRIP 244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.55	Vert(CT)	-0.16 4-17 >999 240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.02 3 n/a n/a		
BCDL	10.0	Code IRC2021/TPI2014		Matrix-MS		Wind(LL)	0.07 4-17 >999 240	Weight: 64 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 4-3-6 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3		
OTHERS	2x4 SP No.3		
WEDGE			
Left: 2x4 SP No.3 , Right: 2x4 SP No.3			

REACTIONS. (size) 1=0-4-8, 3=0-4-8
Max Horz 1=-33(LC 17)
Max Uplift 1=-56(LC 8), 3=-56(LC 9)
Max Grav 1=670(LC 1), 3=670(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1217/244, 2-3=-1217/244
BOT CHORD 1-4=-174/1137, 3-4=-174/1137
WEBS 2-4=0/292

- NOTES-
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 8-4-8, Exterior(2E) 8-4-8 to 12-7-7, Interior(1) 12-7-7 to 16-9-0 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 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) 1, 3.

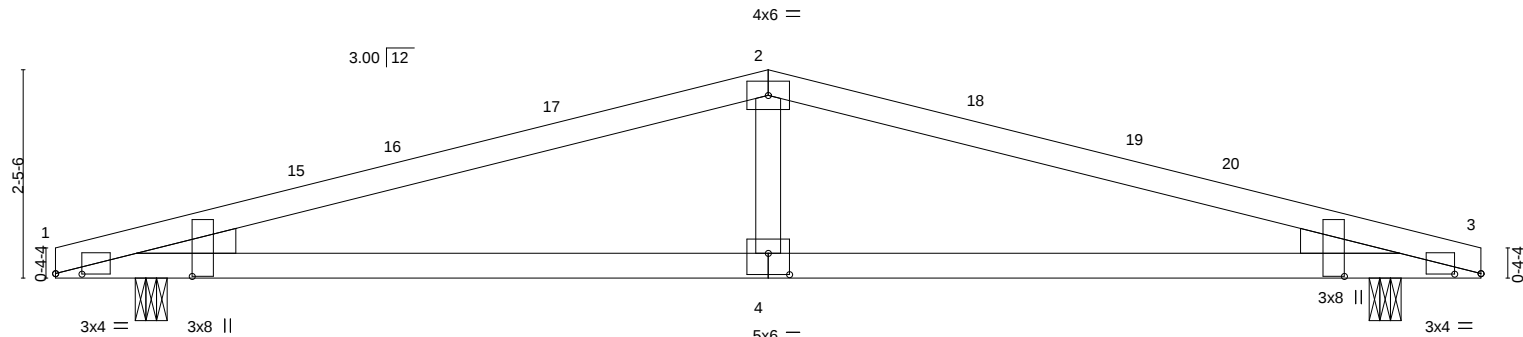


October 1,2025

Job	Truss	Truss Type	Qty	Ply	Chesapeake-6260B:Lot9 NeilsCreek
FNC9-R	CP08	COMMON	2	1	176722555

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Sep 30 10:03:08 2025 Page 1
ID:hazSNSvRlgjAW5liYCphTxvydPZ-AFaMXr?T91D9QyvABZaP6jIodlCkbqPM71L24DyYTnH
8-4-8 8-4-8 16-9-0 8-4-8

Scale = 1:27.1



0-11-4	8-4-8	15-9-12	16-9-0
0-11-4	7-5-4	7-5-4	0-11-4

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.63	Vert(LL) -0.10	4-9	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.55	Vert(CT) -0.16	4-9	>999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.11	Horz(CT) 0.02	3	n/a	n/a		
BCDL 10.0	Code IRC2021/TPI2014	Matrix-MS	Wind(LL) 0.07	4-9	>999	240	Weight: 57 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-3-6 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	
WEDGE	
Left: 2x4 SP No.3 , Right: 2x4 SP No.3	

REACTIONS.	(size)
Max Horz	1=-33(LC 17)
Max Uplift	1=-56(LC 8), 3=-56(LC 9)
Max Grav	1=670(LC 1), 3=670(LC 1)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	1-2=-1217/244, 2-3=-1217/244
BOT CHORD	1-4=-174/1137, 3-4=-174/1137
WEBS	2-4=0/292

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TC DL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 8-4-8, Exterior(2E) 8-4-8 to 12-7-7, Interior(1) 12-7-7 to 16-9-0 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) 1, 3.



October 1,2025

Job	Truss	Truss Type	Qty	Ply	Chesapeake-6260B:Lot9 NeilsCreek
FNC9-R	CP09	COMMON	2	1	176722556

Builders FirstSource (Apex, NC),	Apex, NC - 27523,	8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Sep 30 10:03:09 2025 Page 1
		ID:hazSNSvRlgiAW5liYCphTxyvdPZ-eR8kkB?6wKL026UNIG5efwlyzhYjKHmWLh5ccgyYTnG
	8-4-8 8-4-8	15-2-8 6-10-0

Scale = 1:25.0

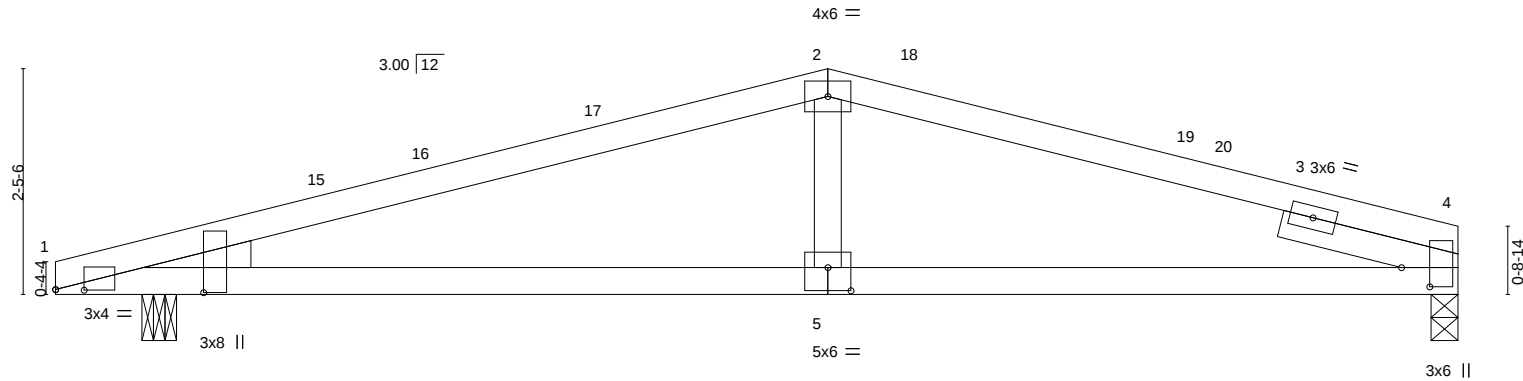


Plate Offsets (X,Y)--	[1:0-0-6,1-7-4], [1:0-3-11,0-0-1], [4:0-2-8,0-3-11], [5:0-3-0,0-3-0]
-----------------------	--

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 0.65	Vert(LL)	-0.10 5-14	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.57	Vert(CT)	-0.18 5-14	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.10	Horz(CT)	0.03 4	n/a	n/a		
BCDL 10.0	Code IRC2021/TPI2014		Matrix-MS	Wind(LL)	0.07 5-14	>999	240	Weight: 54 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-3-8 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	
WEDGE	
Left: 2x4 SP No.3	
SLIDER Right 2x4 SP No.3 1-11-12	

REACTIONS.	(size) 4=0-3-8, 1=0-4-8
	Max Horz 1=39(LC 12)
	Max Uplift 4=-43(LC 9), 1=-56(LC 8)
	Max Grav 4=568(LC 1), 1=648(LC 1)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	1-2=-1119/261, 2-4=-1109/271
BOT CHORD	1-5=-211/1042, 4-5=-211/1042
WEBS	2-5=0/275

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCdL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 8-4-8, Exterior(2E) 8-4-8 to 12-7-7, Interior(1) 12-7-7 to 15-2-8 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
 - 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) 4, 1.



October 1,2025

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Sep 30 10:03:09 2025 Page 1
 ID:hazSNSvRlgjAW5liYCphTxvdpZ-eR8kkB?6wKL026UNG5efwJ3vheZKHgWLh5ccgyYTnG
 4-10-8
 4-10-8



LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 4-10-8 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS	2x4 SP No.3		

NOTES-

- 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) 0-0-0 to 3-0-0, Exterior(2N) 3-0-0 to 4-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 3) Gable studs spaced at 2'-0" oc.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-6" tall by 2'-0" wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4, 5.



Job	Truss	Truss Type	Qty	Ply	Chesapeake-6260B:Lot9 NeilsCreek
FNC9-R	M02	JACK	5	1	176722558

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Sep 30 10:03:09 2025 Page 1
ID:hazSNSvRlgjAW5liY CphTxyvdPZ-eR8kkB?6wKL026UNIG5efwl4wheDKIxWLh5ccgyYTnG

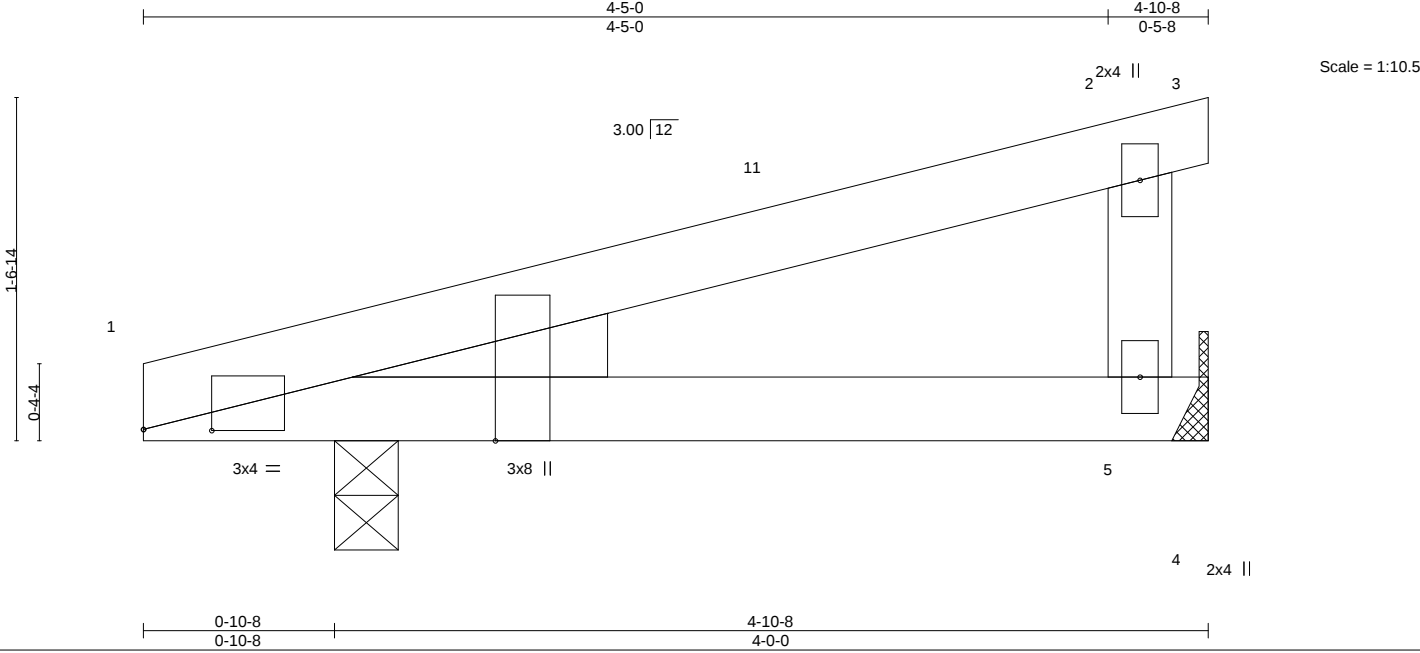


Plate Offsets (X,Y)--		[1:0-3-12,0-0-1], [1:0-0-10,Edge]	
LOADING (psf)		SPACING-	
TCLL	20.0	Plate Grip DOL	1.15
TCDL	10.0	Lumber DOL	1.15
BCLL	0.0 *	Rep Stress Incr	YES
BCDL	10.0	Code	IRC2021/TPI2014
CSI.		DEFL.	
TC	0.15	in (loc)	l/defl
BC	0.15	Vert(LL)	-0.01 5-10 >999 360
WB	0.03	Vert(CT)	-0.02 5-10 >999 240
Matrix-MP		Horz(CT)	0.00 1 n/a n/a
		Wind(LL)	0.01 5-10 >999 240
PLATES		GRIP	
MT20		244/190	
Weight: 18 lb		FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 4-10-8 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3		
WEDGE			
Left: 2x4 SP No.3			

REACTIONS. (size) 1=0-3-8, 5=Mechanical
Max Horz 1=41(LC 8)
Max Uplift 1=-20(LC 8), 5=-25(LC 8)
Max Grav 1=225(LC 1), 5=165(LC 1)

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

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 4-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 4) Refer to girder(s) for truss to truss connections.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5.



October 1,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 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 and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacompnents.com)

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

Job	Truss	Truss Type	Qty	Ply	Chesapeake-6260B:Lot9 NeilsCreek
FNC9-R	M03	JACK	1	1	176722559

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Sep 30 10:03:10 2025 Page 1
ID:hazSNSvRlgjAW5liYCphTxyvdPZ-6dh6yX0kgeTsgG3ZJ_ctC8rFQ5_33lAfaLq986yYTnF

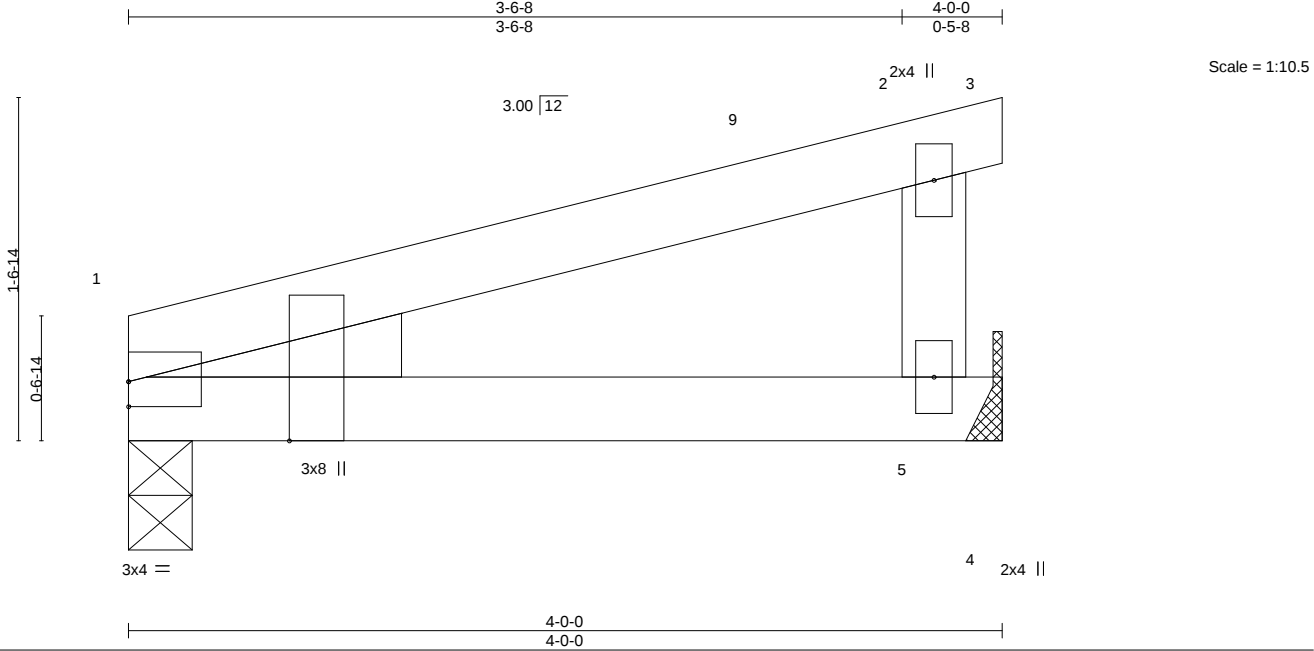


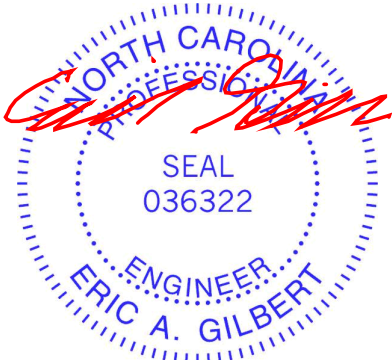
Plate Offsets (X,Y)--		[1:0-0-0,0-1-6], [1:0-3-4,Edge]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.15	TC 0.16
TCDL 10.0	Lumber DOL	1.15	BC 0.18
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.03
BCDL 10.0	Code	IRC2021/TPI2014	Matrix-MP
			DEFL.
			in (loc) l/defl L/d
			Vert(LL) -0.01 5-8 >999 360
			Vert(CT) -0.02 5-8 >999 240
			Horz(CT) 0.00 1 n/a n/a
			Wind(LL) 0.01 5-8 >999 240
			PLATES GRIP
			MT20 244/190
			Weight: 15 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-10-8 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	
WEDGE	
Left: 2x4 SP No.3	

REACTIONS.	(size) 1=0-3-8, 5=Mechanical
	Max Horz 1=33(LC 8)
	Max Uplift 1=-11(LC 8), 5=-26(LC 8)
	Max Grav 1=146(LC 1), 5=174(LC 1)

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

- NOTES-
- 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-10-8 to 3-10-8, Interior(1) 3-10-8 to 4-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 4) Refer to girder(s) for truss to truss connections.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5.



October 1,2025

Job	Truss	Truss Type	Qty	Ply	Chesapeake-6260B:Lot9 NeilsCreek
FNC9-R	P13G	GABLE	1	1	176722560

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Sep 30 10:03:10 2025 Page 1
ID:hazSNSvRlgjAW5liYCphTxyvdPZ-6dh6yX0kgeTsgG3ZJ_ctC8rFP5_b3lsfaLq986yYTnF

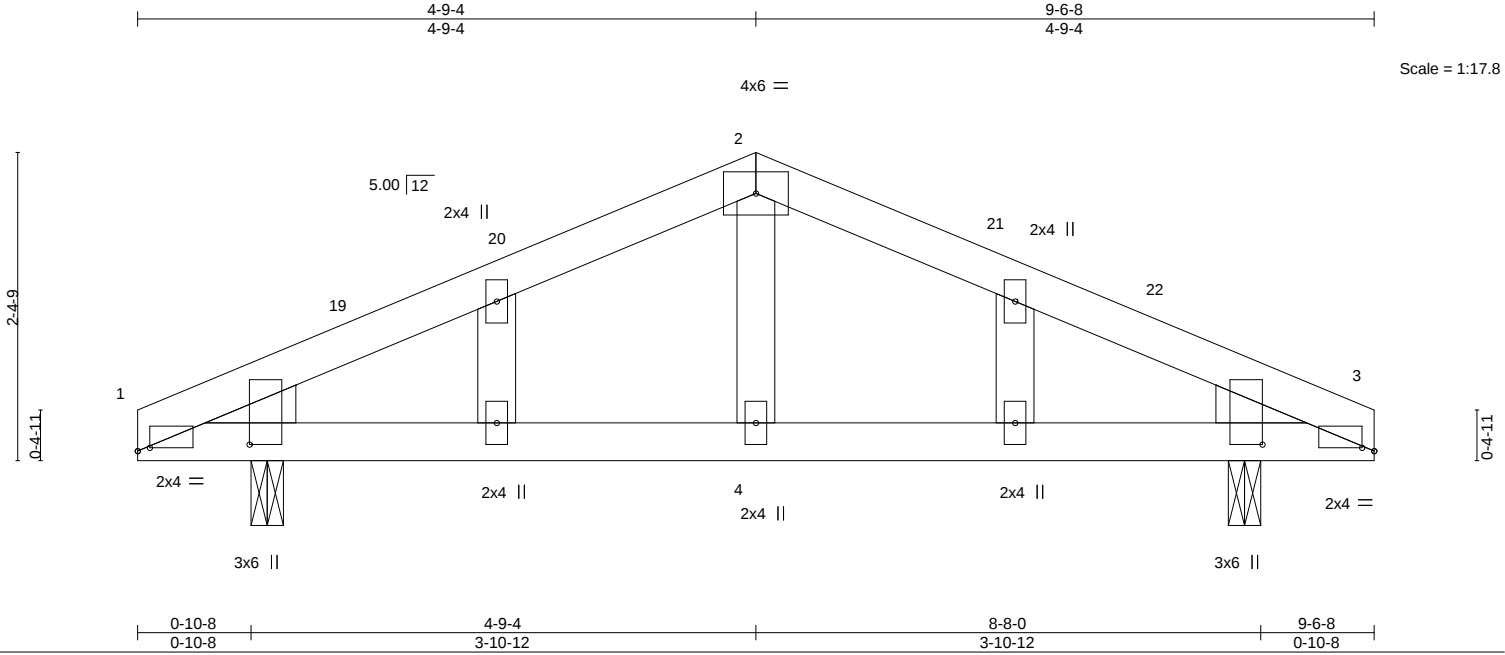


Plate Offsets (X,Y)--		[1:0-1-2,0-0-5], [1:0-0-10,0-10-6], [3:0-1-2,0-0-5], [3:0-0-10,0-10-6]								
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plate Grip DOL 1.15		TC 0.16		Vert(LL) -0.01 4-18	>999	360	MT20	244/190
TCDL 10.0		Lumber DOL 1.15		BC 0.15		Vert(CT) -0.01 4-18	>999	240		
BCLL 0.0 *		Rep Stress Incr YES		WB 0.05		Horz(CT) 0.00 3	n/a	n/a		
BCDL 10.0		Code IRC2021/TPI2014		Matrix-MS		Wind(LL) 0.00 4-13	>999	240	Weight: 38 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3		
OTHERS	2x4 SP No.3		
WEDGE			
Left: 2x4 SP No.3 , Right: 2x4 SP No.3			

REACTIONS. (size) 1=0-3-0, 3=0-3-0
Max Horz 1=-29(LC 13)
Max Uplift 1=-28(LC 12), 3=-28(LC 13)
Max Grav 1=382(LC 1), 3=382(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-367/146, 2-3=-367/146
BOT CHORD 1-4=-66/296, 3-4=-66/296

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 4-9-4, Exterior(2R) 4-9-4 to 7-9-4, Interior(1) 7-9-4 to 9-6-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 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) 1, 3.



October 1,2025

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

Job	Truss	Truss Type	Qty	Ply	Chesapeake-6260B:Lot9 NeilsCreek
FNC9-R	P14	KINGPOST	1	1	I76722561

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Sep 30 10:03:11 2025 Page 1
ID:hazSNSvRIgJAW5liYCphTxyvdPZ-aqFU9t1MRybjHQelsh76kLNQ9VKqoC5pp_aigYyYTnE
9-6-8
4-9-4

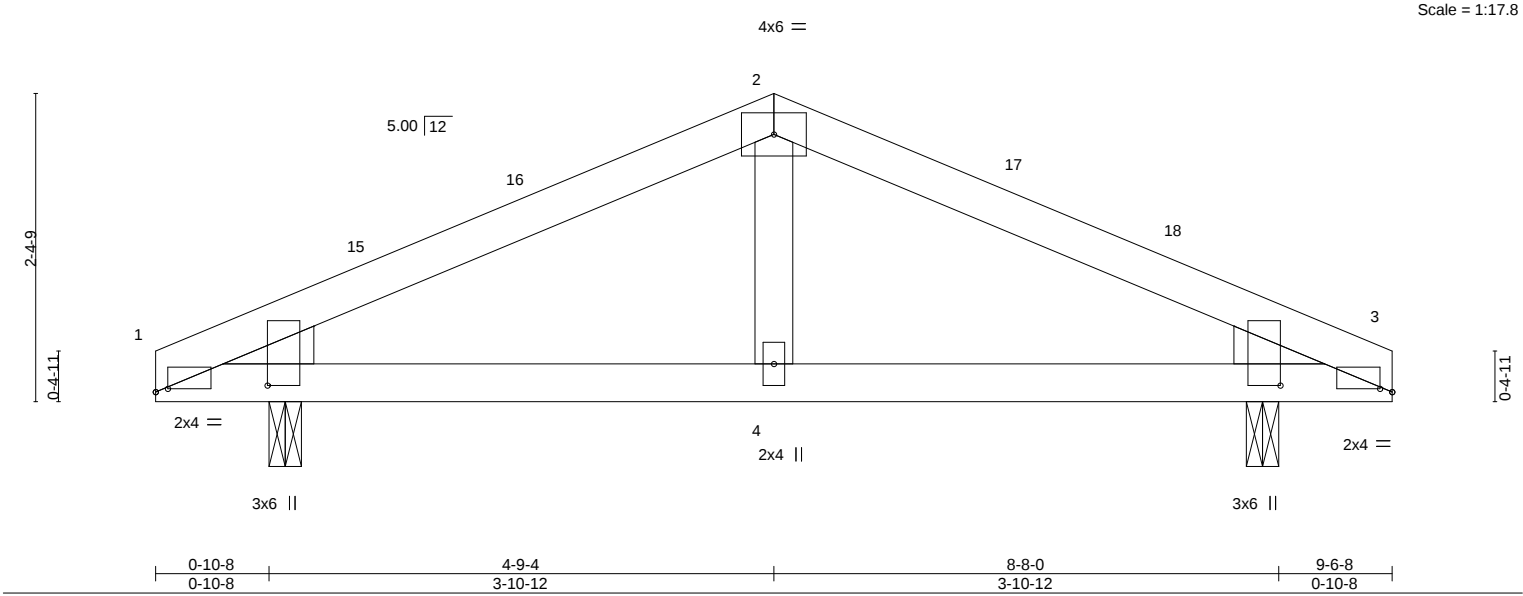


Plate Offsets (X,Y)-- [1:0-1-2,0-0-5], [1:0-0-10,0-10-6], [3:0-1-2,0-0-5], [3:0-0-10,0-10-6]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	
TCLL	20.0	Plate Grip DOL	1.15	TC	0.16	Vert(LL)	-0.01 4-14 >999 360	MT20	GRIP 244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	-0.01 4-14 >999 240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00 3 n/a n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS		Wind(LL)	0.00 4-9 >999 240	Weight: 35 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3 , Right: 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) 1=0-3-0, 3=0-3-0
Max Horz 1=-29(LC 13)
Max Uplift 1=-28(LC 12), 3=-28(LC 13)
Max Grav 1=382(LC 1), 3=382(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-367/146, 2-3=-367/146
BOT CHORD 1-4=-66/296, 3-4=-66/296

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 4-9-4, Exterior(2R) 4-9-4 to 7-9-4, Interior(1) 7-9-4 to 9-6-8 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
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



October 1,2025

Job	Truss	Truss Type	Qty	Ply	Chesapeake-6260B:Lot9 NeilsCreek
FNC9-R	P15	KINGPOST	1	1	176722562

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Sep 30 10:03:11 2025 Page 1
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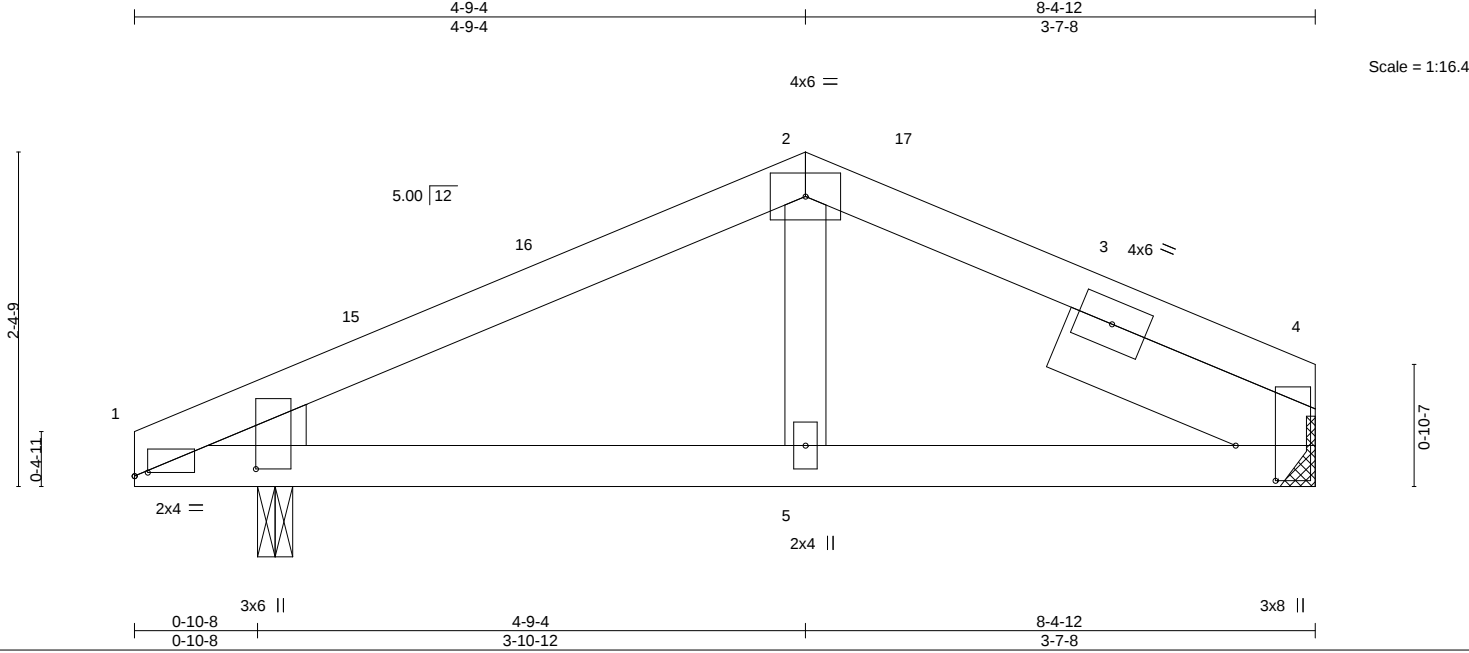


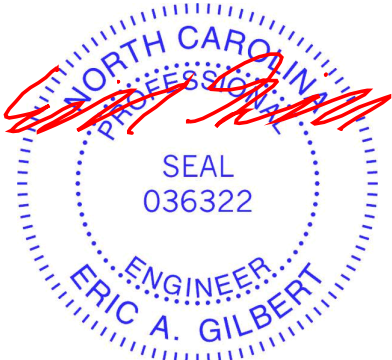
Plate Offsets (X,Y)-- [1:0-0-10,0-10-6], [1:0-1-2,0-0-5], [4:0-3-0,0-3-6]									
LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	L/defl	L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.16	Vert(LL)	-0.01	5-8	>999	360	MT20 244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.14	Vert(CT)	-0.01	5-8	>999	240	
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.05	Horz(CT)	0.00	4	n/a	n/a	
BCDL 10.0	Code IRC2021/TPI2014		Matrix-MS	Wind(LL)	0.00	5-8	>999	240	Weight: 35 lb FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3		
WEDGE			
Left: 2x4 SP No.3			
SLIDER	Right 2x6 SP No.2 1-11-12		

REACTIONS.	
(size)	4=Mechanical, 1=0-3-0
Max Horz	1=38(LC 12)
Max Uplift	4=-18(LC 13), 1=-28(LC 12)
Max Grav	4=297(LC 1), 1=375(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	1-2=-356/151, 2-4=-309/161
BOT CHORD	1-5=-96/285, 4-5=-96/285

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 4-9-4, Exterior(2R) 4-9-4 to 7-9-15, Interior(1) 7-9-15 to 8-4-12 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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, 1.

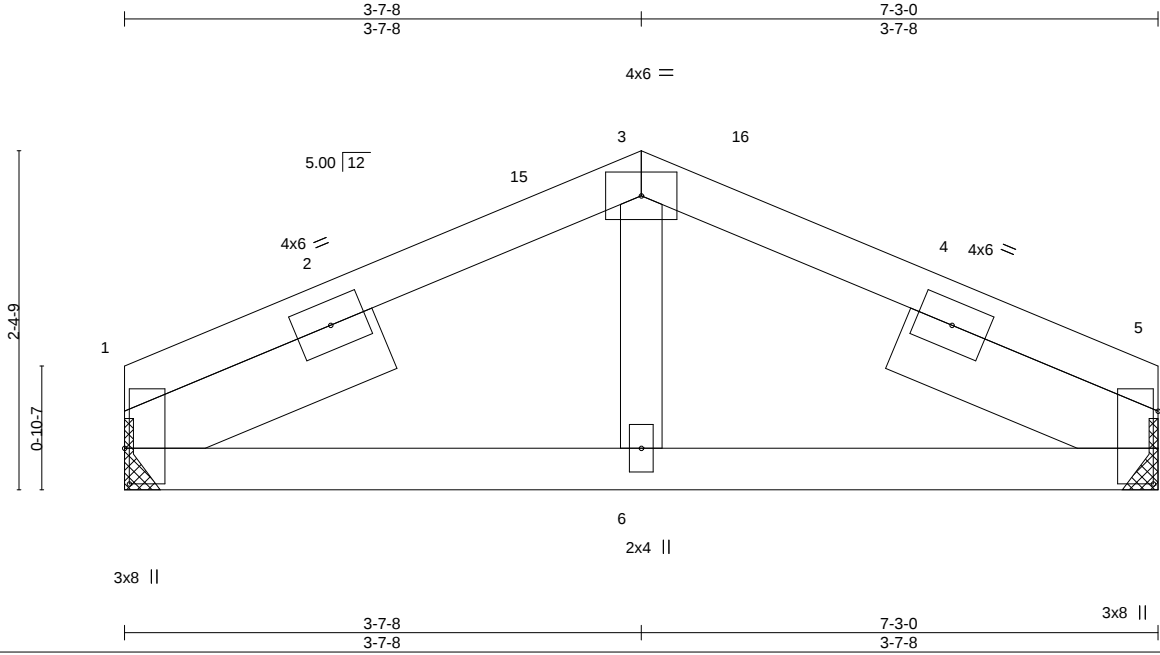


October 1,2025

Job	Truss	Truss Type	Qty	Ply	Chesapeake-6260B:Lot9 NeilsCreek
FNC9-R	P16	KINGPOST	1	1	176722563

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Sep 30 10:03:12 2025 Page 1
ID:hazSNSvRlgjAW5liYCphTxyvdPZ-20psND2_CFjavZCxCQPfLHZwcwvhaXfNy1eJGD?yYTnD



Scale = 1:16.2

Plate Offsets (X,Y)-- [1:0-3-0-0-0-6], [5:0-6-2-0-0-6]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	
TCLL	20.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	-0.01 6-13 >999 360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	-0.01 6-13 >999 240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00 1 n/a n/a		
BCDL	10.0	Code IRC2021/TPI2014		Matrix-MS		Wind(LL)	0.00 6-9 >999 240	Weight: 35 lb	FT = 20%

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

REACTIONS. (size) 1=Mechanical, 5=Mechanical
Max Horz 1=-22(LC 17)
Max Uplift 1=-17(LC 12), 5=-17(LC 13)
Max Grav 1=290(LC 1), 5=290(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-298/168, 3-5=-298/168
BOT CHORD 1-6=-100/275, 5-6=-100/275

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 1-1-12 to 4-1-12, Interior(1) 4-1-12 to 4-9-4, Exterior(2R) 4-9-4 to 7-9-15, Interior(1) 7-9-15 to 8-4-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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) 1, 5.



October 1,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 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 and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)

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

Job	Truss	Truss Type	Qty	Ply	Chesapeake-6260B:Lot9 NeilsCreek
FNC9-R	V01	GABLE	1	1	176722564

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Sep 30 10:03:12 2025 Page 1
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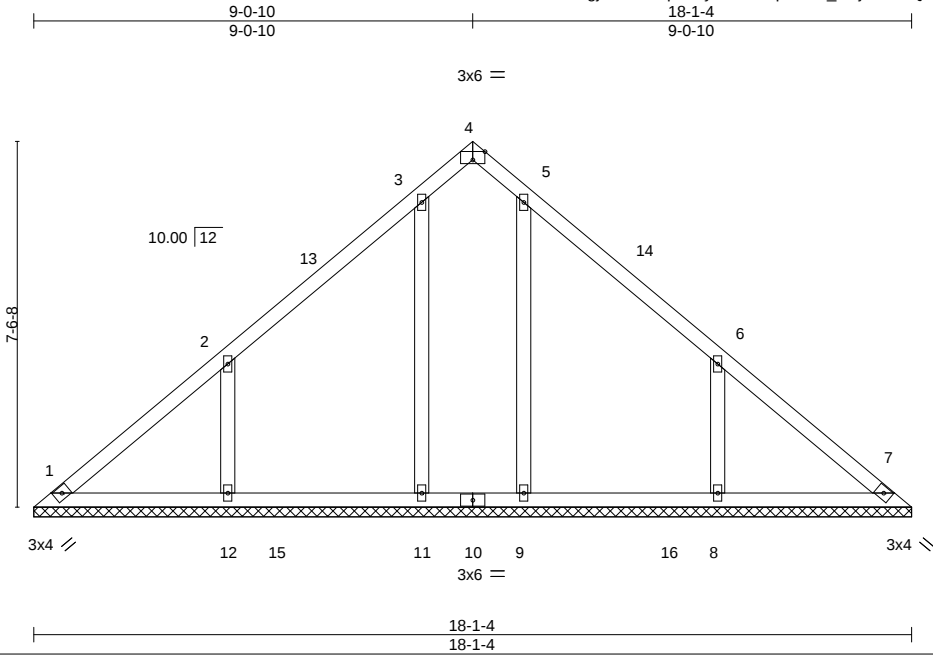


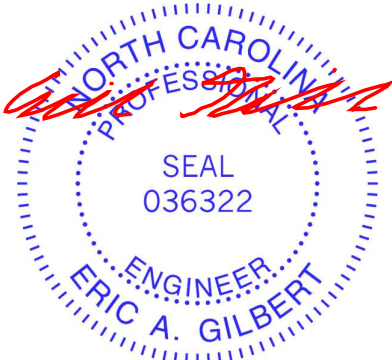
Plate Offsets (X,Y)-- [4:0-3-0,Edge]									
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d
TCLL 20.0		Plate Grip DOL	1.15	TC 0.36		Vert(LL)	n/a -	n/a	999
TCDL 10.0		Lumber DOL	1.15	BC 0.26		Vert(CT)	n/a -	n/a	999
BCLL 0.0 *		Rep Stress Incr	YES	WB 0.16		Horz(CT)	0.01 7	n/a	n/a
BCDL 10.0		Code	IRC2021/TPI2014	Matrix-S					
								Weight: 87 lb	FT = 20%

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

REACTIONS. All bearings 18-1-4.
(lb) - Max Horz 1=-155(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 1, 9, 11 except 8=-149(LC 13), 12=-148(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 8=463(LC 20), 9=328(LC 20), 12=462(LC 19), 11=339(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 6-8=-283/196, 2-12=-282/194

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-4-13 to 3-4-13, Interior(1) 3-4-13 to 9-0-10, Exterior(2R) 9-0-10 to 12-0-10, Interior(1) 12-0-10 to 17-8-7 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
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 9, 11 except (jt=lb) 8=149, 12=148.



October 1,2025

Job	Truss	Truss Type	Qty	Ply	Chesapeake-6260B:Lot9 NeilsCreek
FNC9-R	V02	GABLE	1	1	176722565
Job Reference (optional)					

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Sep 30 10:03:13 2025 Page 1
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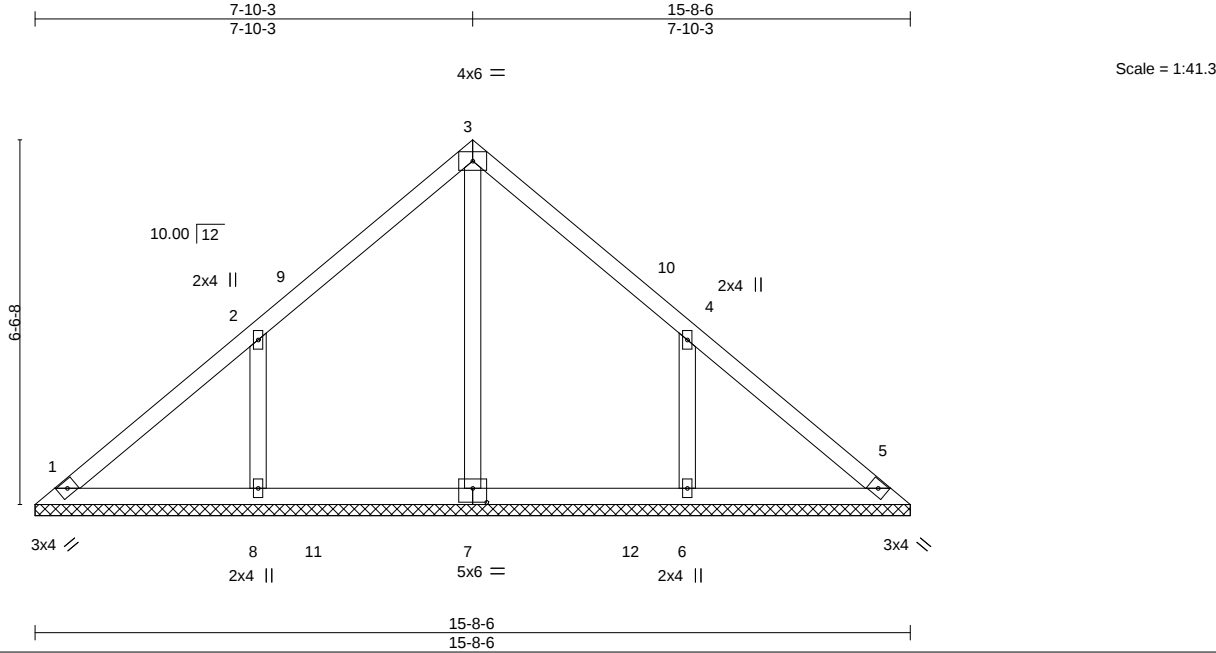


Plate Offsets (X,Y)--		[7:0-3-0,0-3-0]									
LOADING	(psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC 0.33	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC 0.25	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB 0.11	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2021/TPI2014		Matrix-S						Weight: 69 lb	FT = 20%

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

REACTIONS. All bearings 15-8-6.
(lb) - Max Horz 1=133(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 1 except 6=-150(LC 13), 8=-150(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=335(LC 22), 6=452(LC 20), 8=452(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-6=-286/193, 2-8=-287/193

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-4-13 to 3-4-13, Interior(1) 3-4-13 to 7-10-3, Exterior(2R) 7-10-3 to 10-10-3, Interior(1) 10-10-3 to 15-3-9 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Gable requires continuous bottom chord bearing.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 6=150, 8=150.



October 1,2025

Job	Truss	Truss Type	Qty	Ply	Chesapeake-6260B:Lot9 NeilsCreek
FNC9-R	V03	GABLE	1	1	176722566

Builders FirstSource (Apex, NC),

Apex, NC - 27523,

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Sep 30 10:03:13 2025 Page 1

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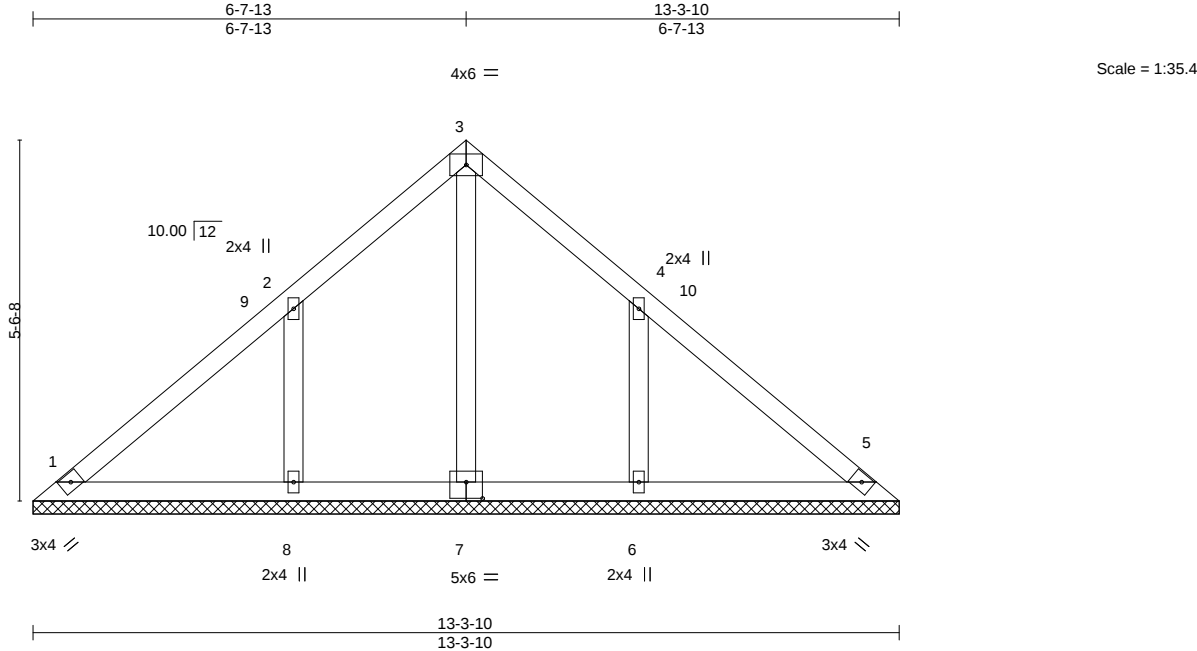


Plate Offsets (X,Y)--		[7:0-3-0,0-3-0]			
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.28	Vert(LL) n/a - n/a 999	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.17	Vert(CT) n/a - n/a 999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.06	Horz(CT) 0.00 5 n/a n/a		
BCDL 10.0	Code IRC2021/TPI2014	Matrix-S		Weight: 60 lb	FT = 20%

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

REACTIONS. All bearings 13-3-10.
(lb) - Max Horz 1=-112(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) except 6=-129(LC 13), 8=-129(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 6=333(LC 20), 8=333(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 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-4-13 to 3-4-13, Interior(1) 3-4-13 to 6-7-13, Exterior(2R) 6-7-13 to 9-7-13, Interior(1) 9-7-13 to 12-10-13 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 129 lb uplift at joint 6 and 129 lb uplift at joint 8.



October 1,2025

Job	Truss	Truss Type	Qty	Ply	Chesapeake-6260B:Lot9 NeilsCreek
FNC9-R	V04	GABLE	1	1	176722567

Builders FirstSource (Apex, NC),

Apex, NC - 27523,

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Sep 30 10:03:14 2025 Page 1

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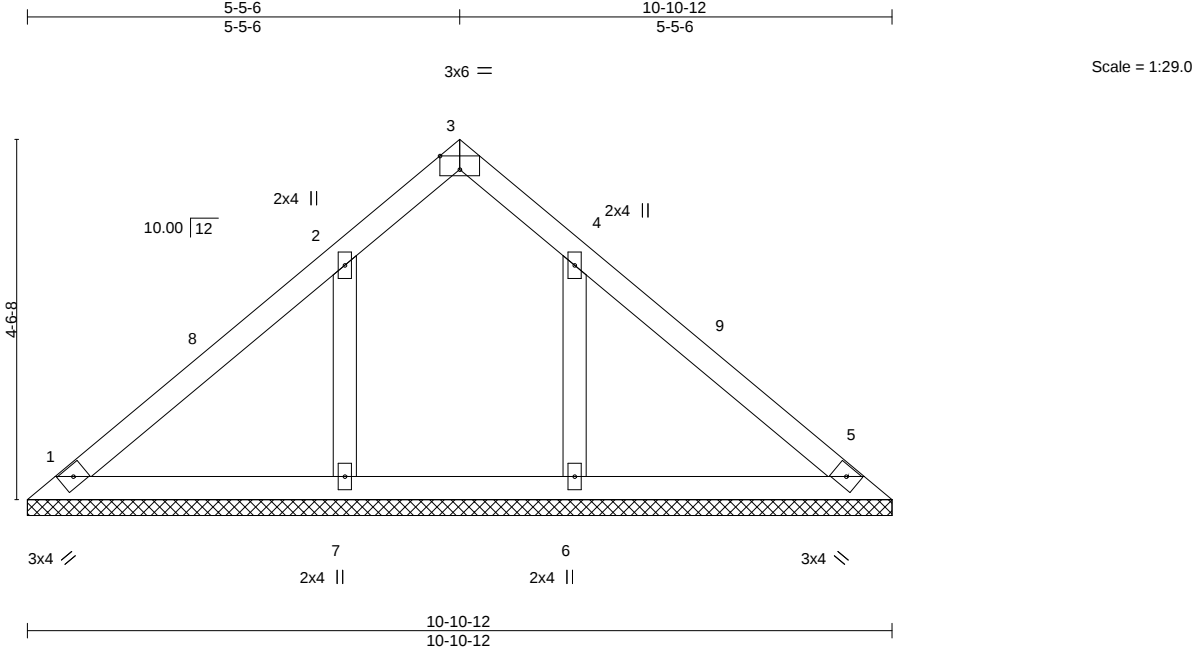


Plate Offsets (X,Y)-- [3:0-3-0,Edge]									
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d
TCLL 20.0		Plate Grip DOL	1.15	TC 0.28		Vert(LL)	n/a	-	n/a 999
TCDL 10.0		Lumber DOL	1.15	BC 0.17		Vert(CT)	n/a	-	n/a 999
BCLL 0.0 *		Rep Stress Incr	YES	WB 0.06		Horz(CT)	0.00	5	n/a
BCDL 10.0		Code	IRC2021/TPI2014	Matrix-S					
						PLATES		GRIP	
						MT20		244/190	
						Weight: 44 lb		FT = 20%	

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

REACTIONS. All bearings 10-10-12.
(lb) - Max Horz 1=90(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) except 6=-111(LC 13), 7=-113(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 6=311(LC 20), 7=313(LC 19)

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

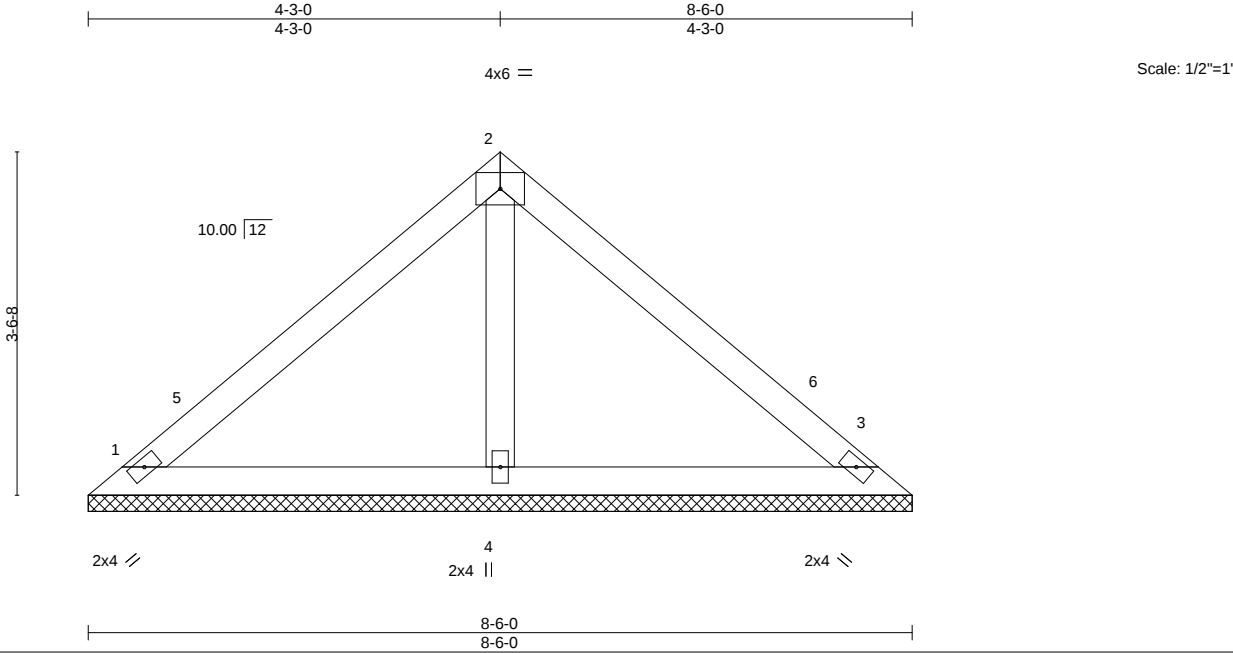
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCCL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-4-13 to 3-4-13, Interior(1) 3-4-13 to 5-5-6, Exterior(2R) 5-5-6 to 8-5-6, Interior(1) 8-5-6 to 10-5-15 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 111 lb uplift at joint 6 and 113 lb uplift at joint 7.



October 1,2025

Job	Truss	Truss Type	Qty	Ply	Chesapeake-6260B:Lot9 NeilsCreek
FNC9-R	V05	GABLE	1	1	176722568

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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 0.35	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.25	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.05	Horz(CT)	0.00	3	n/a	n/a		
BCDL 10.0	Code IRC2021/TPI2014		Matrix-S						Weight: 32 lb	FT = 20%

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

REACTIONS. (size) 1=8-6-0, 3=8-6-0, 4=8-6-0
Max Horz 1=-69(LC 8)
Max Uplift 1=-17(LC 13), 3=-26(LC 13)
Max Grav 1=161(LC 1), 3=161(LC 1), 4=293(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 7-16; Vult=120mph (3-second gust) Vasd=95mph; TC DL=6.0psf; BC DL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-4-13 to 3-4-13, Interior(1) 3-4-13 to 4-3-0, Exterior(2R) 4-3-0 to 7-3-0, Interior(1) 7-3-0 to 8-1-3 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 17 lb uplift at joint 1 and 26 lb uplift at joint 3.



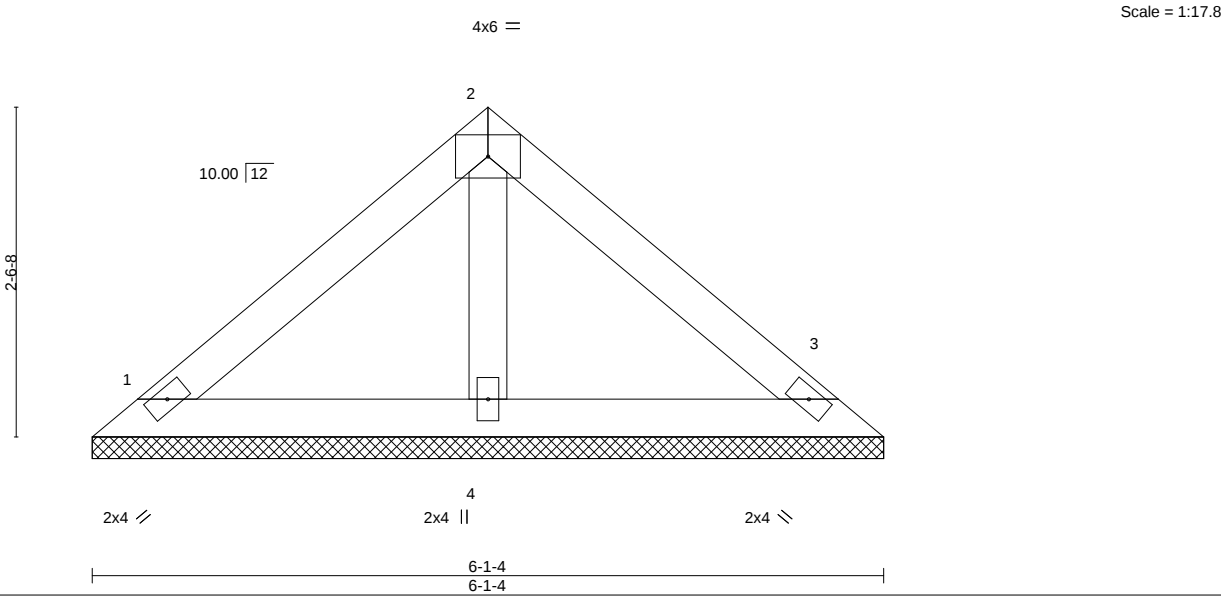
October 1,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
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ENGINEERING BY
TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Chesapeake-6260B:Lot9 NeilsCreek
FNC9-R	V06	GABLE	1	1	176722569

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Sep 30 10:03:15 2025 Page 1
ID:hazSNSvRlgjAW5liY CphTxyvdPZ-TbV??E4sVA59m1xW5XC2vBY4D6i8k0UOkcYwpJyYTnA
3-0-10 3-0-10 6-1-4 3-0-10



LOADING (psf)	SPACING-		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	2-0-0	TC 0.22		Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.12		Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.03		Horz(CT)	0.00	3	n/a	n/a		
BCDL 10.0	Code IRC2021/TPI2014		Matrix-P							Weight: 22 lb	FT = 20%

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

REACTIONS. (size) 1=6-1-4, 3=6-1-4, 4=6-1-4
Max Horz 1=-47(LC 8)
Max Uplift 1=-18(LC 13), 3=-24(LC 13)
Max Grav 1=120(LC 1), 3=120(LC 1), 4=183(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 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 18 lb uplift at joint 1 and 24 lb uplift at joint 3.



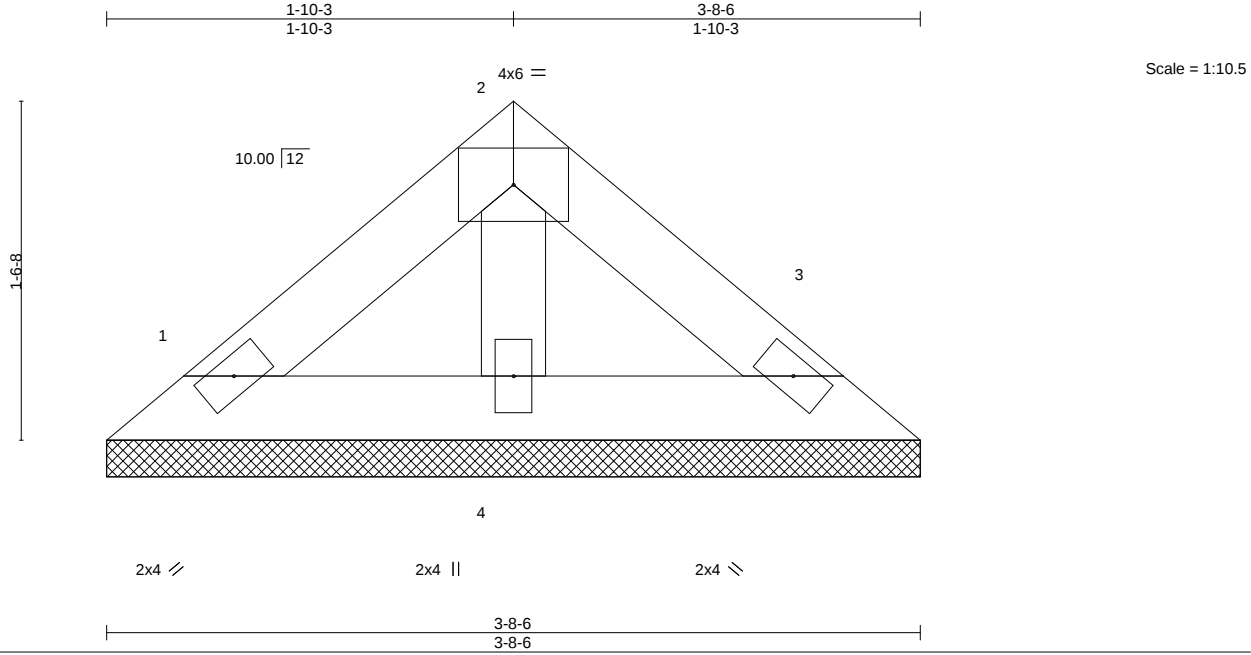
October 1,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 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 and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacompnents.com)

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

Job	Truss	Truss Type	Qty	Ply	Chesapeake-6260B:Lot9 NeilsCreek
FNC9-R	V07	GABLE	1	1	176722570

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Sep 30 10:03:15 2025 Page 1
ID:hazSNSvRlgjAW5liYCphTxyvdPZ-TbV??E4sVA59m1xW5XC2vBY6b6jTk0hOkcYwpJyYTnA



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.07	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.04	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.01	Horz(CT)	0.00	3	n/a	n/a		
BCDL 10.0	Code IRC2021/TPI2014		Matrix-P						Weight: 13 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.3	TOP CHORD Structural wood sheathing directly applied or 3-8-6 oc purlins.
BOT CHORD 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SP No.3	

REACTIONS. (size) 1=3-8-6, 3=3-8-6, 4=3-8-6
Max Horz 1=-26(LC 8)
Max Uplift 1=-10(LC 13), 3=-13(LC 13)
Max Grav 1=66(LC 1), 3=66(LC 1), 4=100(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 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 10 lb uplift at joint 1 and 13 lb uplift at joint 3.



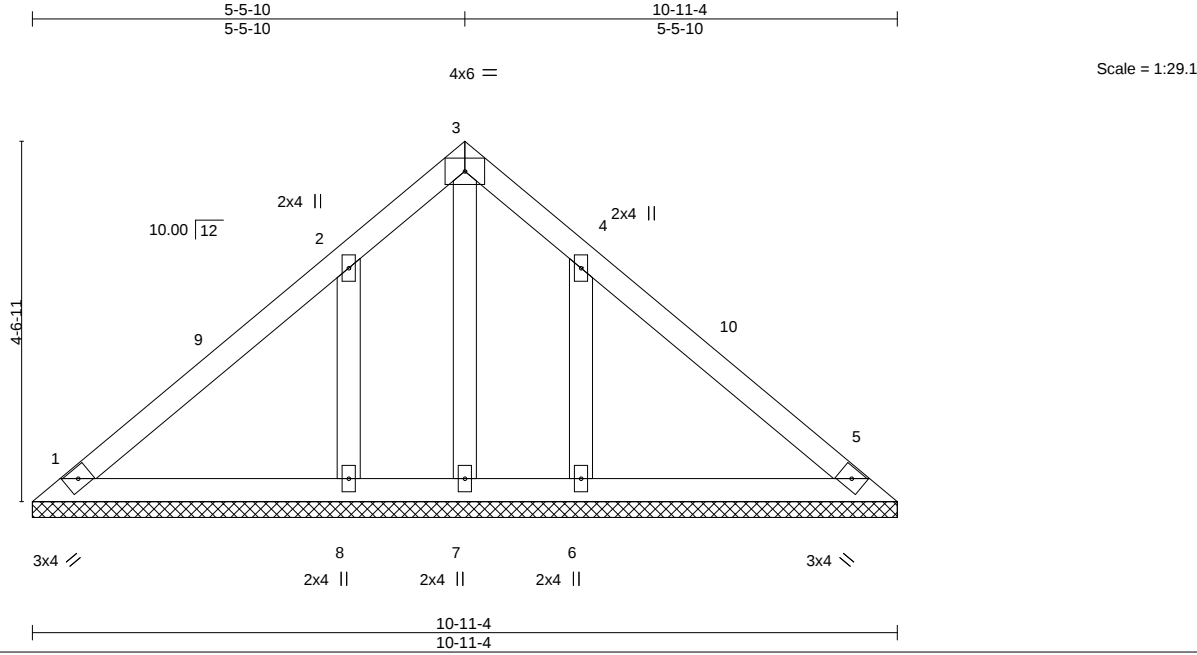
October 1, 2025

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

Job	Truss	Truss Type	Qty	Ply	Chesapeake-6260B:Lot9 NeilsCreek
FNC9-R	V09	GABLE	1	1	176722571

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ID:hazSNSvRlgjAW5liY CphTxyvdPZ-TbV??E4sVA59m1xW5XC2vBY3l6hMk0_OkcYwpJyYTnA



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 0.28	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.17	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.06	Horz(CT)	0.00	5	n/a	n/a		
BCDL 10.0	Code IRC2021/TPI2014		Matrix-S						Weight: 50 lb	FT = 20%

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

REACTIONS. All bearings 10-11-4.
(lb) - Max Horz 1=91(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 7 except 6=-119(LC 13), 8=-119(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 6=327(LC 20), 8=328(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 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-4-13 to 3-4-13, Interior(1) 3-4-13 to 5-5-10, Exterior(2R) 5-5-10 to 8-5-10, Interior(1) 8-5-10 to 10-6-7 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
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 6=119, 8=119.



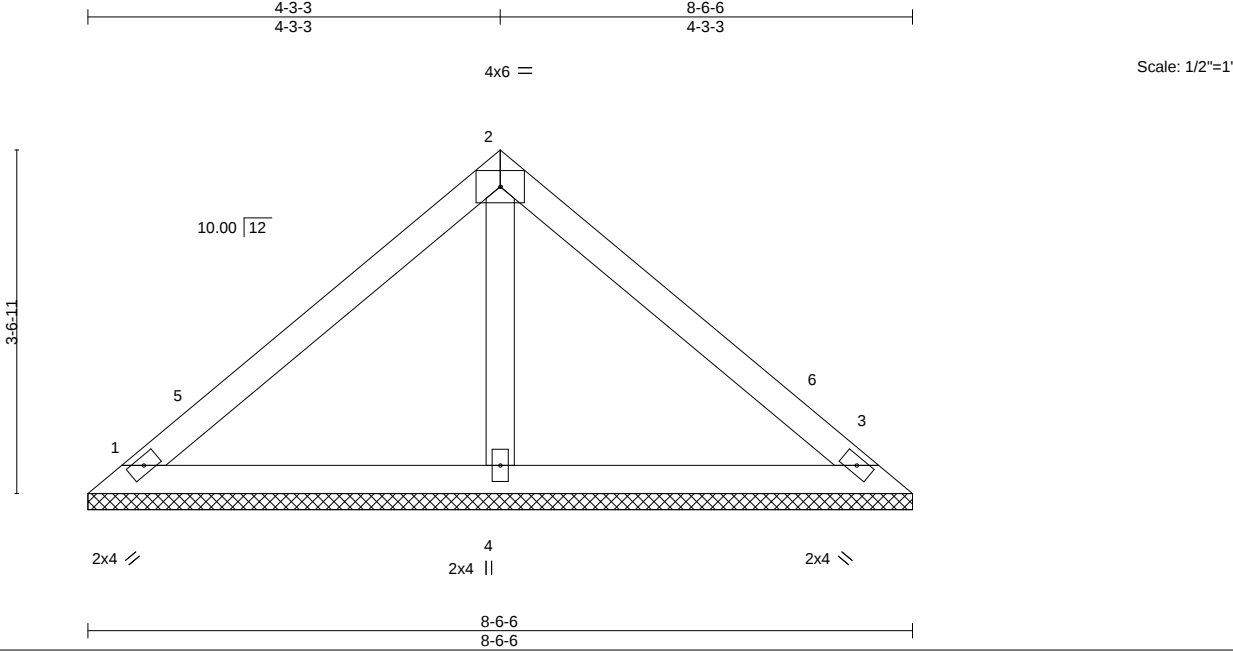
October 1, 2025

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

Job	Truss	Truss Type	Qty	Ply	Chesapeake-6260B:Lot9 NeilsCreek
FNC9-R	V10	GABLE	1	1	176722572

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Sep 30 10:03:16 2025 Page 1
ID:hazSNSvRlgiAW5liYCphTxyvdPZ-xn3NCa5VGUD0OBWjffjHRP5DzW0HTTOYyGHTMmyYTn9



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 0.35	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.26	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.05	Horz(CT)	0.00	3	n/a	n/a		
BCDL 10.0	Code IRC2021/TPI2014		Matrix-S						Weight: 32 lb	FT = 20%

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

REACTIONS. (size) 1=8-6-6, 3=8-6-6, 4=8-6-6
Max Horz 1=-69(LC 10)
Max Uplift 1=-17(LC 13), 3=-26(LC 13)
Max Grav 1=162(LC 1), 3=162(LC 1), 4=294(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 7-16; Vult=120mph (3-second gust) Vasd=95mph; TC DL=6.0psf; BC DL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-4-13 to 3-4-13, Interior(1) 3-4-13 to 4-3-3, Exterior(2R) 4-3-3 to 7-3-3, Interior(1) 7-3-3 to 8-1-9 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



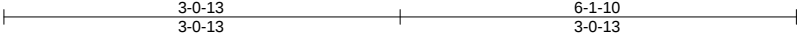
October 1,2025

Job	Truss	Truss Type	Qty	Ply	Chesapeake-6260B:Lot9 NeilsCreek
FNC9-R	V11	GABLE	1	1	176722573

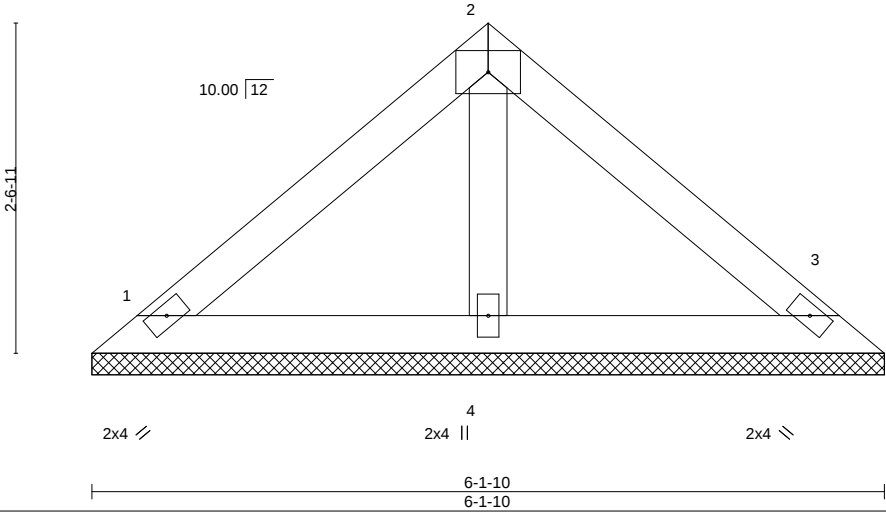
Builders FirstSource (Apex, NC), Apex, NC - 27523,

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Sep 30 10:03:16 2025 Page 1

ID:hazSNSvRIgjAW5liYCphTxyvdPZ-xn3NCa5VGUD0OBWjtfjHRP5FwW2MTTkYyGHTMmyYTn9



Scale = 1:17.8



LOADING (psf)	SPACING-		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	2-0-0	TC 0.22		Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.12		Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.03		Horz(CT)	0.00	3	n/a	n/a		
BCDL 10.0	Code IRC2021/TPI2014		Matrix-P							Weight: 22 lb	FT = 20%

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

REACTIONS. (size) 1=6-1-10, 3=6-1-10, 4=6-1-10
Max Horz 1=-48(LC 10)
Max Uplift 1=-18(LC 13), 3=-24(LC 13)
Max Grav 1=121(LC 1), 3=121(LC 1), 4=184(LC 1)

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

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Gable requires continuous bottom chord bearing.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



October 1,2025

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ENGINEERING BY
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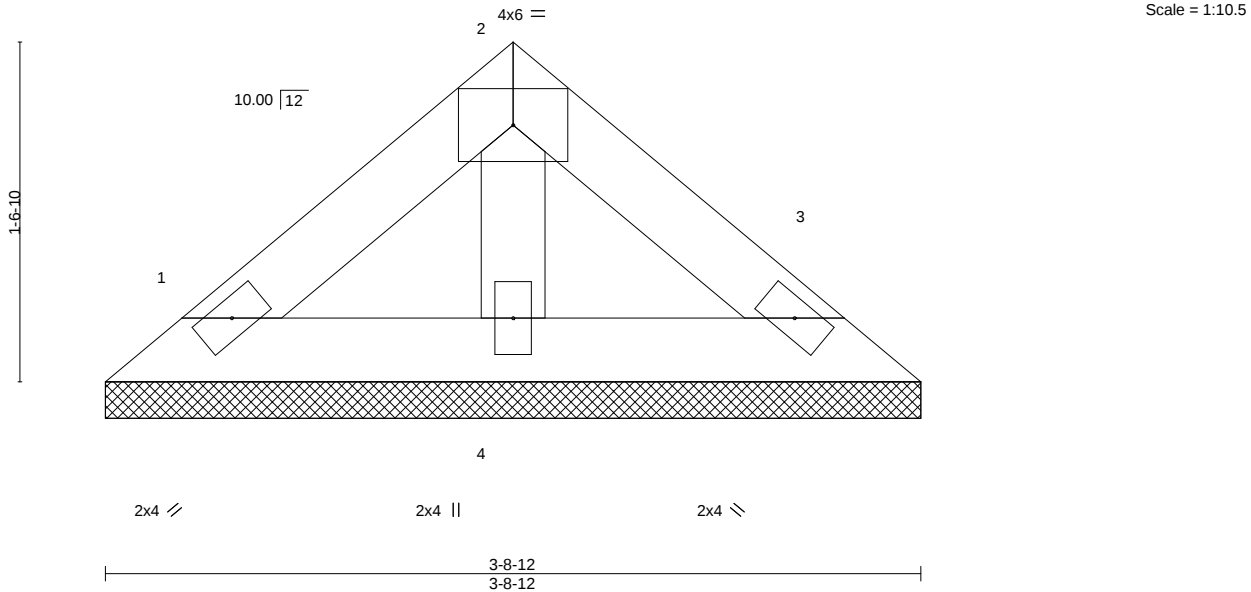
Job	Truss	Truss Type	Qty	Ply	Chesapeake-6260B:Lot9 NeilsCreek
FNC9-R	V12	GABLE	1	1	176722574

Builders FirstSource (Apex, NC),
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ID:hazSNSvRlgjAW5liYCphTxyvdPZ-PzclQw671oLt0L5vDyEW_cdS2wPwCvAhBw11uCyYTn8

1-10-6
1-10-6

3-8-12
3-8-12



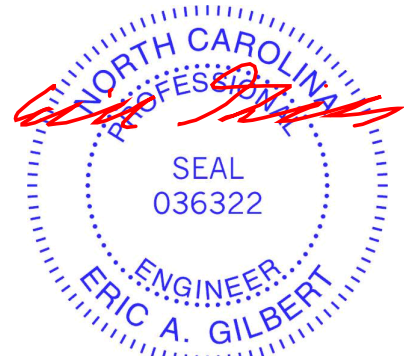
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.07	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.04	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.01	Horz(CT)	0.00	3	n/a	n/a		
BCDL 10.0	Code IRC2021/TPI2014		Matrix-P						Weight: 13 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.3	TOP CHORD Structural wood sheathing directly applied or 3-8-12 oc purlins.
BOT CHORD 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SP No.3	

REACTIONS. (size) 1=3-8-12, 3=3-8-12, 4=3-8-12
Max Horz 1=-26(LC 8)
Max Uplift 1=-10(LC 13), 3=-13(LC 13)
Max Grav 1=66(LC 1), 3=66(LC 1), 4=101(LC 1)

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

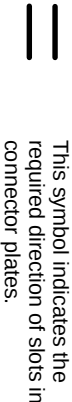
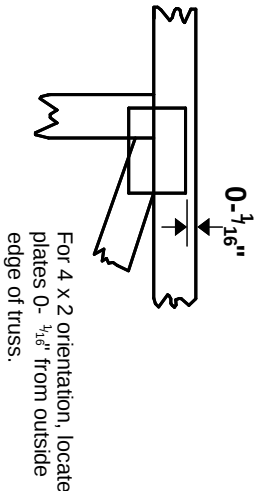
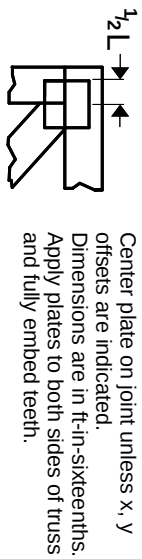
- NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



October 1,2025

Symbols

PLATE LOCATION AND ORIENTATION



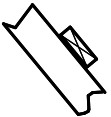
* Plate location details available in MITek software or upon request.

PLATE SIZE

4 X 4

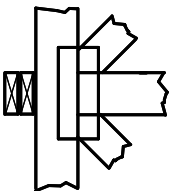
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

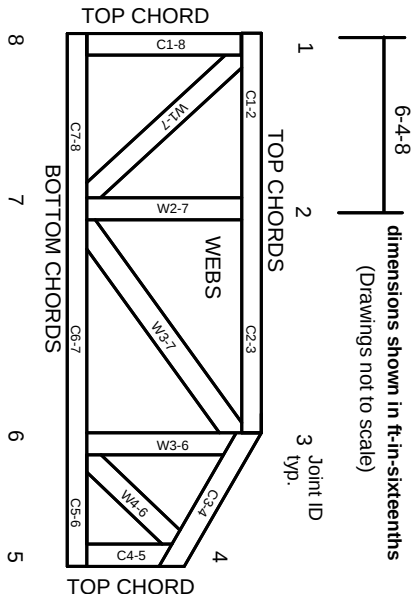
BEARING



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

Industry Standards:
ANSI/TPI 1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-22: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



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-1988, ESR-2362, ESR-2685, ESR-3282
ESR-4722, ESL-1388

Design General Notes

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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General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

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