

Trenco 818 Soundside Rd Edenton, NC 27932

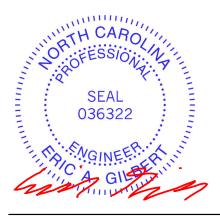
Re: J0325-1578 Lot 75 Ducks Landing

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Comtech, Inc - Fayetteville.

Pages or sheets covered by this seal: I73658334 thru I73658359

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

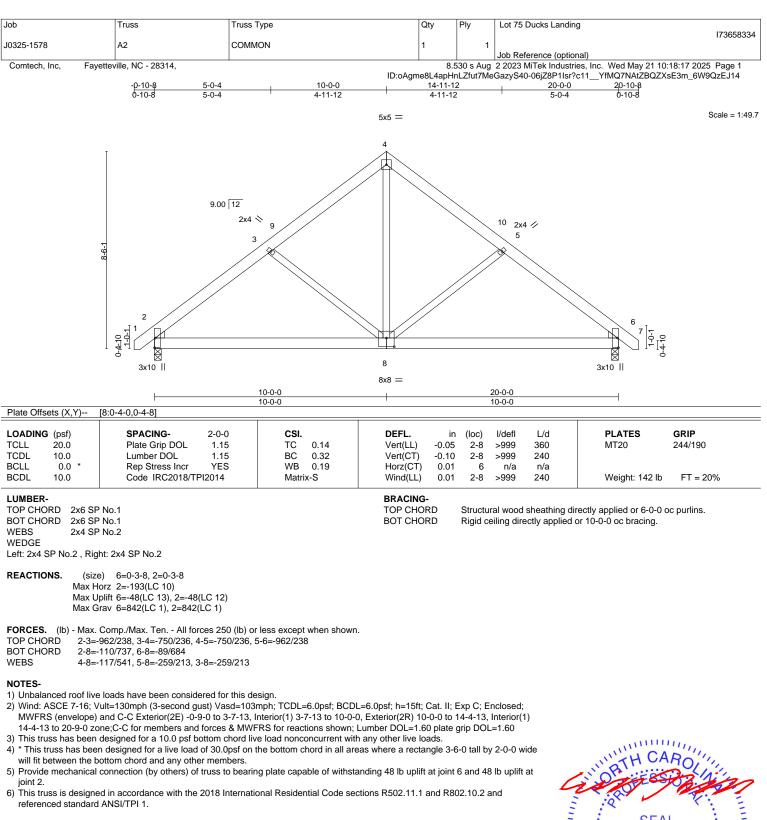
North Carolina COA: C-0844



May 22,2025

# Gilbert, Eric

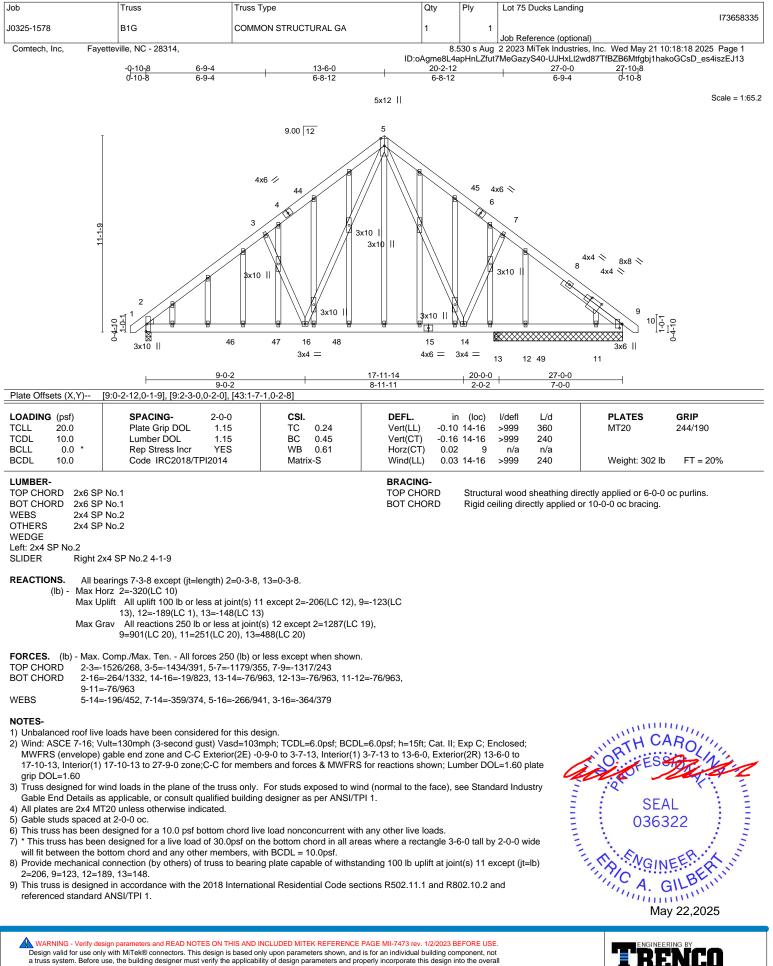
**IMPORTANT NOTE:** The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), 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.



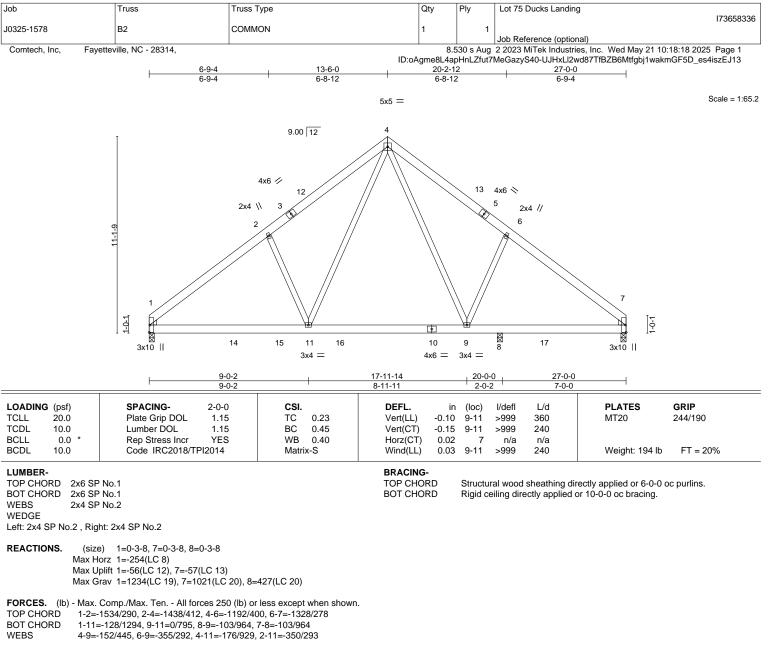


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<sup>818</sup> Soundside Road Edenton, NC 27932



Design value for design with with with exercise closes. This design is based only upon parameters shown, and is for an individual duiling component, not a truss system. Before use, the building designer must verify the applicability of design parameters and property 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)



### NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-1-12 to 4-6-9, Interior(1) 4-6-9 to 13-6-0, Exterior(2R) 13-6-0 to 17-10-13, Interior(1) 17-10-13 to 26-10-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

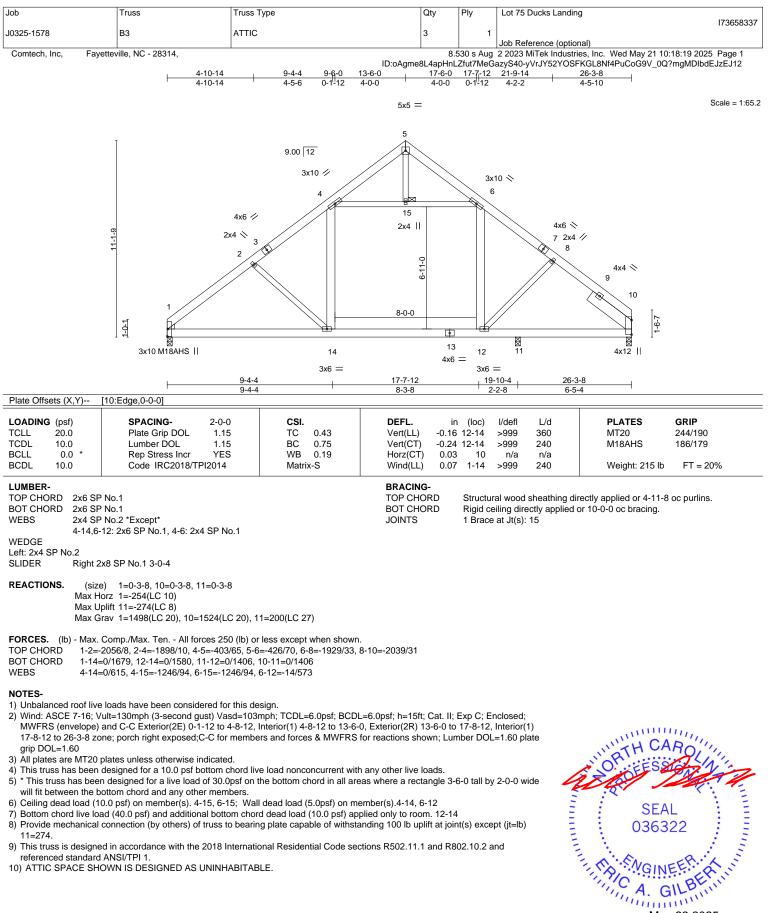
4) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7.

6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

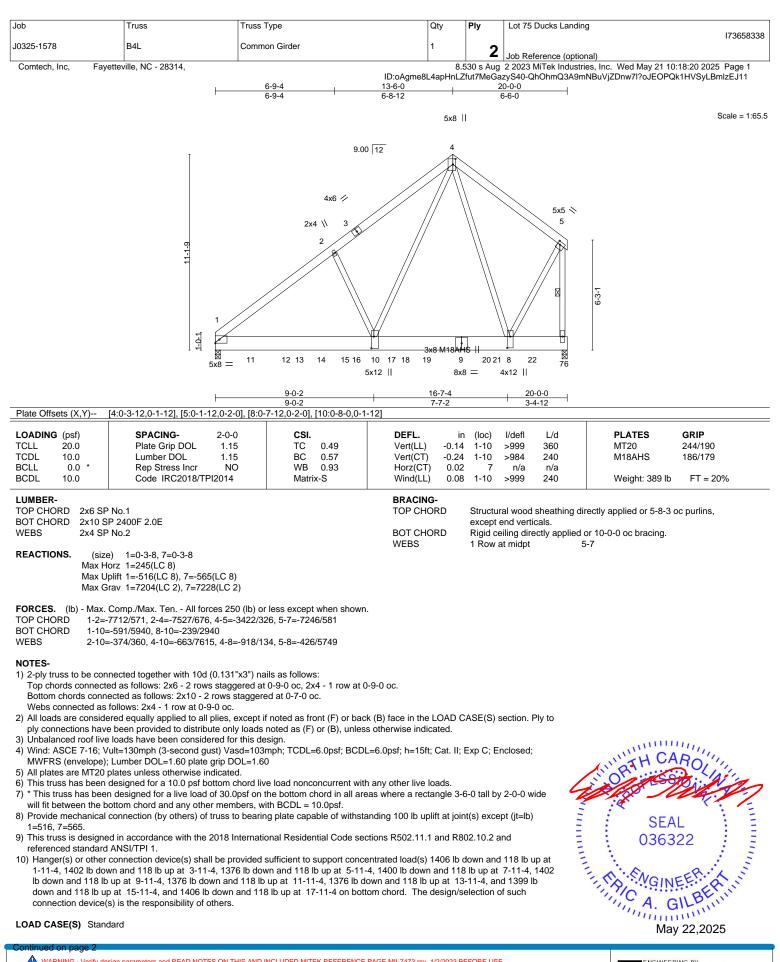


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Job	Truss	Truss Type	Qty	Ply	Lot 75 Ducks Landing
					173658338
J0325-1578	B4L	Common Girder	1	2	
				<b>_</b>	Job Reference (optional)
Comtech, Inc,	Fayetteville, NC - 28314,		8.	530 s Aug	2 2023 MiTek Industries, Inc. Wed May 21 10:18:20 2025 Page 2

ID:o

ID:oAgme8L4apHnLZfut7MeGazyS40-QhOhmQ3A9mNBuVjZDnw7I?oJEOPQk1HVSyLBmlzEJ11

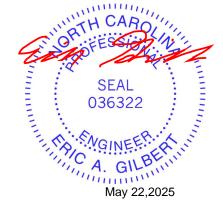
# LOAD CASE(S) Standard

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

Uniform Loads (plf) Vert: 1-4=-60, 4-5=-60, 1-6=-20

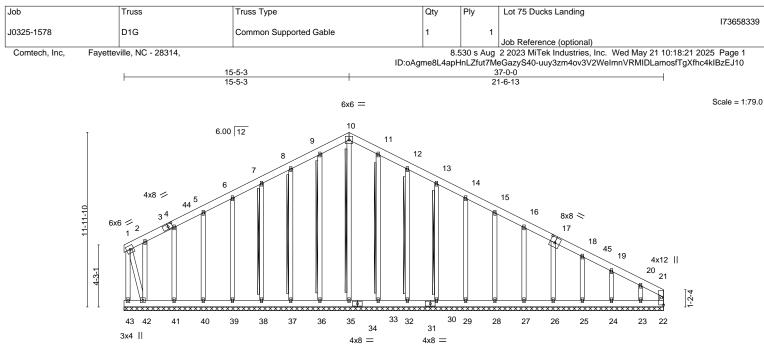
Concentrated Loads (lb)

Vert: 9=-1284(B) 11=-1284(B) 12=-1284(B) 14=-1284(B) 16=-1284(B) 17=-1284(B) 19=-1284(B) 21=-1284(B) 22=-1284(B) 22=-128(B) 22=-128(B) 22=-128(B) 22=-1284(B) 22=-1284(B) 22=-1284(B) 22=-



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 $4x4 \equiv$ 

			37-0-0 37-0-0				
Plate Offsets (X,Y)	[3:0-3-8,0-2-0], [17:0-4-0,0-4-8]		37-0-0				
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 *	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES	CSI. TC 0.12 BC 0.06 WB 0.17	DEFL. i Vert(LL) n/ Vert(CT) n/ Horz(CT) 0.0	a - n/a	999 999	PLATES MT20	<b>GRIP</b> 244/190
BCDL 10.0	Code IRC2018/TPI2014	Matrix-S				Weight: 368 lb	FT = 20%
LUMBER- TOP CHORD 2x6 SP BOT CHORD 2x6 SP			BRACING- TOP CHORD	Structural woo except end ve	•	rectly applied or 6-0-0	oc purlins,
WEBS 2x4 SP OTHERS 2x4 SP	No.2		BOT CHORD WEBS		irectly applied of 2	or 10-0-0 oc bracing. x4 SPF No.2 - 10-35, 1-33, 12-32, 13-30	9-36, 8-37, 7-38,

REACTIONS. All bearings 37-0-0.

Max Horz 43=-193(LC 13) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 22, 36, 37, 38, 39, 40, 41, 33, 32, 30, 29, 28, 27, 26, 25, 24 except 43=-137(LC 8), 42=-140(LC 12), 23=-144(LC 13) Max Grav All reactions 250 lb or less at joint(s) 43, 22, 35, 36, 37, 38, 39, 40,

41, 42, 33, 32, 30, 29, 28, 27, 26, 25, 24, 23

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

TOP CHORD 6-7=-93/270, 7-8=-113/329, 8-9=-136/393, 9-10=-146/426, 10-11=-146/426,

11-12=-136/393, 12-13=-113/329, 13-14=-93/270

# NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Corner(3E) 0-3-4 to 4-8-1, Exterior(2N) 4-8-1 to 15-5-3, Corner(3R) 15-5-3 to 19-10-0, Exterior(2N) 19-10-0 to 36-10-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) All plates are 2x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing. 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 7) Gable studs spaced at 2-0-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

9) \* This truss has been designed for a live load of 30.0psf 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.

10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 22, 36, 37, 38, 39, 40, 41, 33, 32, 30, 29, 28, 27, 26, 25, 24 except (jt=lb) 43=137, 42=140, 23=144.

- 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 12) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

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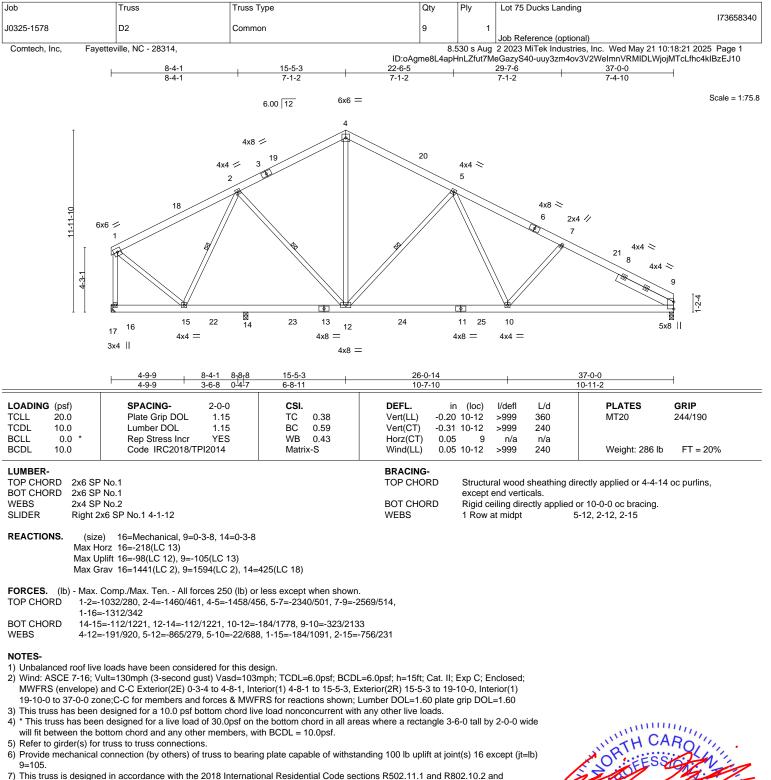


Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c., with 3in minimum end distance.

Brace must cover 90% of web length.



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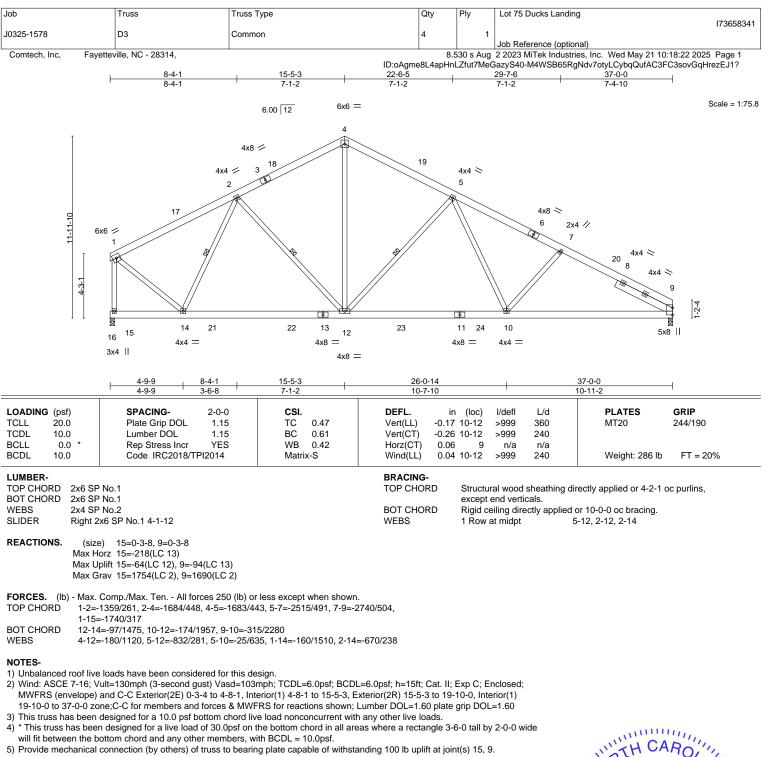


7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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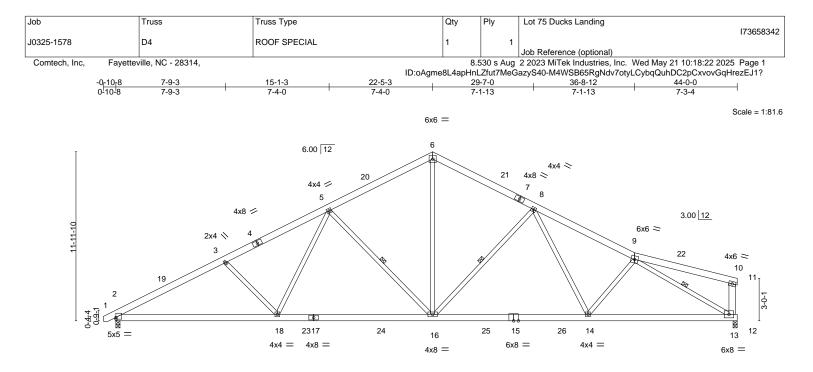


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F	<u>11-5-3</u> 11-5-3	<u>22-5-3</u> 11-0-0		<u>33-5-3</u> 11-0-0	+ 36-8-12 + 44-0- 3-3-9 7-3-4	
Plate Offsets (X,Y)	[2:0-0-0,0-1-7]	1				
LOADING         (psf)           TCLL         20.0           TCDL         10.0           BCLL         0.0           BCDL         10.0	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrYESCode IRC2018/TPI2014	CSI. TC 0.33 BC 0.70 WB 0.93 Matrix-S	Vert(LL) -0.2 Vert(CT) -0.4 Horz(CT) 0.1	n (loc) l/defl L/d 6 14-16 >999 360 2 14-16 >999 240 1 13 n/a n/a 0 14-16 >999 240	PLATES MT20 Weight: 323 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER- TOP CHORD 2x6 S BOT CHORD 2x6 S			BRACING- TOP CHORD	Structural wood sheathin except end verticals.	g directly applied or 3-9-5 c	oc purlins,
	P No.2 *Except* 2x6 SP No.1		BOT CHORD WEBS	Rigid ceiling directly appl 1 Row at midpt	ied or 8-9-0 oc bracing. 5-16, 8-16, 9-13	
Max I Max I	te) 2=0-3-8, 13=0-3-8 Horz 2=193(LC 12) Jplift 2=-117(LC 12), 13=-103(LC 13) Grav 2=2048(LC 2), 13=2043(LC 2)					

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

- TOP CHORD 2-3=-3594/897, 3-5=-3365/860, 5-6=-2351/736, 6-8=-2350/740, 8-9=-3114/796, 9-10=-256/96, 10-13=-302/173
- BOT CHORD 2-18=-799/3156, 16-18=-577/2632, 14-16=-533/2496, 13-14=-649/2734
- WEBS 3-18=-356/288, 5-18=-77/788, 5-16=-885/380, 8-16=-727/343, 8-14=-9/554, 6-16=-390/1686, 9-13=-2993/727

### NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 22-5-3, Exterior(2R) 22-5-3 to 26-10-0, Interior(1) 26-10-0 to 44-0-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

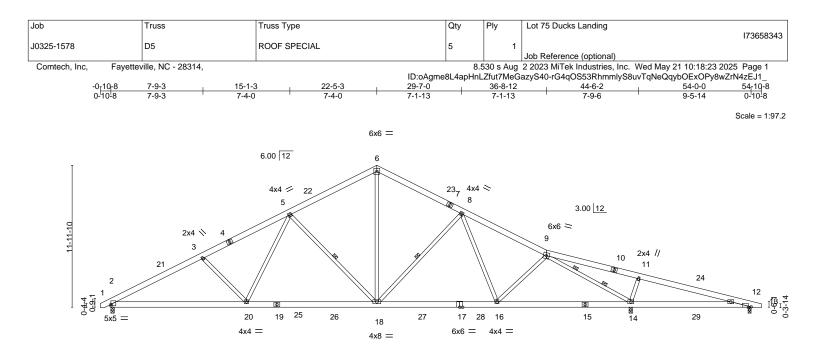
4) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=117, 13=103.

6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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<u> </u>	11-5-3	22-5-3	32-6-13	43-10-4	54-0-0	
	11-5-3	11-0-0	10-1-10	11-3-7	10-1-12	
Plate Offsets (X,Y)	[2:0-0-0,0-1-7], [12:0-2-12,Edge]					
LOADING         (psf)           TCLL         20.0           TCDL         10.0           BCLL         0.0           BCDL         10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2018/TPI2014	CSI. TC 0.46 BC 0.69 WB 0.91 Matrix-S	Vert(LL) -0.25 1 Vert(CT) -0.40 1	8-20 >999 240 14 n/a n/a	PLATES         GRIP           MT20         244/190           Weight: 371 lb         FT = 20%	
		Matrix O		211 2000 210		
LUMBER- TOP CHORD 2x6 SF BOT CHORD 2x6 SF WEBS 2x4 SF	' No.1		BOT CHORD F WEBS 1	Structural wood sheathin Rigid ceiling directly appl I Row at midpt 2 Rows at 1/3 pts	ng directly applied or 3-10-3 oc purlins. lied or 6-0-0 oc bracing. 5-18, 8-18 9-14	
Max H Max U Max G FORCES. (Ib) - Max. TOP CHORD 2-3=- 9-11= BOT CHORD 2-20=	e) 2=0-3-8, 14=0-3-8, 12=0-3-0 orz 2=-149(LC 10) plift 2=-118(LC 12), 14=-161(LC 13), 1: rav 2=1993(LC 2), 14=2766(LC 2), 12= Comp./Max. Ten All forces 250 (lb) o 3481/870, 3-5=-3251/831, 5-6=-2225/7 =-127/777, 11-12=-133/657 =-656(3083, 18-20=-437/2551, 16-18=-5 262/023, 5 20, 75 (201, 5 1, 18, 201, 201, 201, 201, 201, 201, 201, 201	=252(LC 26) r less except when shown 10, 6-8=-2224/711, 8-9=-2 338/2302, 14-16=-383/226	2759/656, 62, 12-14=-567/164			
	=-358/293, 5-20=-75/801, 5-18=-894/38 =-3496/775, 11-14=-617/394, 6-18=-363		/353, 9-16=0/281,			
<ol> <li>Wind: ASCE 7-16; W MWFRS (envelope) 27-10-0 to 54-6-15 z grip DOL=1.60</li> <li>All plates are 4x6 M</li> <li>This truss has been</li> <li>* This truss has been</li> </ol>	e loads have been considered for this de (ult=130mph (3-second gust) Vasd=103 and C-C Exterior(2E) -0-8-10 to 4-8-3, cone; porch right exposed;C-C for memi T20 unless otherwise indicated. designed for a 10.0 psf bottom chord lin n designed for a live load of 30.0psf on ottom chord and any other members, w	mph; TCDL=6.0psf; BCD Interior(1) 4-8-3 to 22-5-3, bers and forces & MWFRS re load nonconcurrent with the bottom chord in all are	Exterior(2R) 22-5-3 to 27- S for reactions shown; Lum h any other live loads.	10-0, Interior(1)	HCARO	

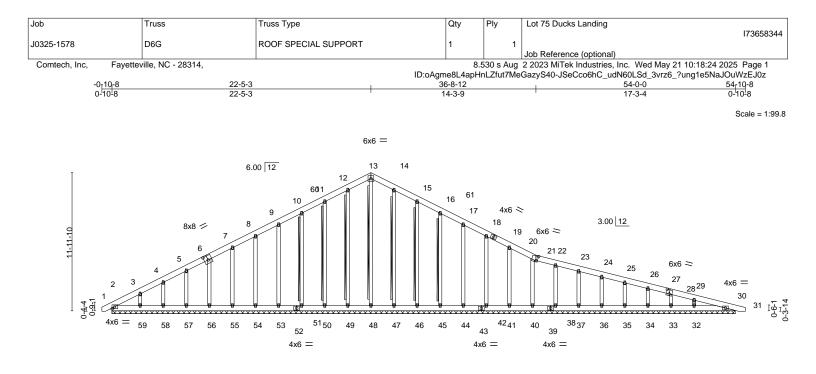
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=118, 14=161, 12=169.

7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

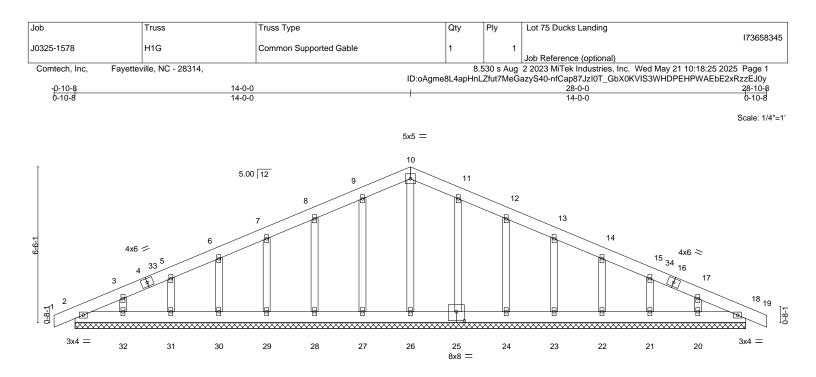


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		0.0.0.4.4	54-0-0 54-0-0		
Plate Offsets (X,Y)           LOADING         (psf)           TCLL         20.0           TCDL         10.0           BCLL         0.0 *           BCDL         10.0	[6:0-4-0,0-4-8], [21:0-1-9,0-4-12], [27:0- <b>SPACING-</b> 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2018/TPI2014	CSI. TC 0.06 BC 0.03 WB 0.14 Matrix-S	DEFL.         ir           Vert(LL)         0.00           Vert(CT)         0.00           Horz(CT)         0.01	31 n/r 120	PLATES         GRIP           MT20         244/190           Weight: 463 lb         FT = 20%
	No.1		BRACING- TOP CHORD BOT CHORD WEBS	Rigid ceiling directly applied of T-Brace: 2:	x4 SPF No.2 - 13-48, 12-49, 11-50, 10-51 14-47, 15-46, 16-45 o narrow edge of web with 10d i 3in minimum end distance.
Max U Max G FORCES. (Ib) - Max. TOP CHORD 2-3=-1	<ul> <li>All uplift 100 b or less at joint(s) 2. 58, 47, 46, 45, 44, 42, 41, 40, 38, 3 59=-117(LC 12)</li> <li>rav All reactions 250 lb or less at joint(57, 58, 59, 47, 46, 45, 44, 42, 41, 4 32=283(LC 26)</li> <li>Comp./Max. Ten All forces 250 (lb) or 319/119, 9-10=-99/275, 10-11=-119/326</li> </ul>	7, 36, 35, 34, 33, 32, 30 e (s) 2, 48, 49, 50, 51, 53, 5- (0, 38, 37, 36, 35, 34, 33, 3 less except when shown. 5, 11-12=-142/380, 12-13=	xcept 4, 55, 56, 30 except		
NOTES- 1) Unbalanced roof live 2) Wind: ASCE 7-16; V MWFRS (envelope) , Exterior(2N) 27-10- DOL=1.60 3) Truss designed for w Gable End Details as 4) All plates are 2x4 MT 5) Gable requires contii 6) Gable studs spaced 7) This truss has been will fit between the b 9) Provide mechanical 54, 55, 56, 57, 58, 4: 10) Beveled plate or sh 11) This truss is design referenced standar	designed for a 10.0 psf bottom chord liv a designed for a live load of 30.0psf on t ottom chord and any other members. connection (by others) of truss to bearin 7, 46, 45, 44, 42, 41, 40, 38, 37, 36, 35, im required to provide full bearing surfa ed in accordance with the 2018 Internal	sign. mph; TCDL=6.0psf; BCDL 8-10 to 4-5-3, Exterior(2N d forces & MWFRS for rea For studs exposed to win g designer as per ANSI/TF e load nonconcurrent with he bottom chord in all are g plate capable of withsta 34, 33, 32, 30 except (jt=1 ce with truss chord at joint tional Residential Code se	<ul> <li>any other live loads.</li> <li>any other live loads.</li> <li>as where a rectangle 3-</li> <li>nding 100 lb uplift at joir (b) 30.</li> <li>actions R502.11.1 and R</li> </ul>	rr(3R) 22-5-3 to 27-10-0 DOL=1.60 plate grip see Standard Industry 6-0 tall by 2-0-0 wide nt(s) 2, 49, 50, 51, 53, 802.10.2 and	SEAL 036322 MGINEER May 22,2025
Design valid for use onl a truss system. Before u building design. Bracin is always required for st fabrication, storage, del	sign parameters and READ NOTES ON THIS AND I y with MiTek® connectors. This design is based or use, the building designer must verify the applicabi g indicated is to prevent buckling of individual truss ability and to prevent collapse with possible person very, erection and bracing of trusses and truss sys mponent Safety Information available from the	nly upon parameters shown, and lity of design parameters and pro s web and/or chord members only al injury and property damage. I stems, see ANSI/TP11 Quality C	is for an individual building cor perly incorporate this design ir y. Additional temporary and pe For general guidance regardin Criteria and DSB-22 available	nponent, not tto the overall armanent bracing g the from Truss Plate Institute (www.tpinst.c	org) B18 Soundside Road Edenton, NC 27932



ate Offsets (X,Y)	[25:0-4-0,0-4-8]		28-0-0 28-0-0					
DADING (psf)	<b>SPACING-</b> 2-0-0	CSI.		n (loc)	l/defl	L/d	PLATES	GRIP
CLL 20.0 CDL 10.0	Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.03 BC 0.01	Vert(LL) -0.0 Vert(CT) -0.0		n/r n/r	120 120	MT20	244/190
CLL 0.0 *	Rep Stress Incr YES	WB 0.06	Horz(CT) 0.0		n/a	n/a		
DL 10.0	Code IRC2018/TPI2014	Matrix-S					Weight: 198 lb	FT = 20%

Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 28-0-0.

2x4 SP No 2

(lb) -Max Horz 2=74(LC 12)

Max Uplift All uplift 100 lb or less at joint(s) 2, 27, 28, 29, 30, 31, 32, 25, 24, 23, 22, 21, 20, 18 Max Grav All reactions 250 lb or less at joint(s) 2, 26, 27, 28, 29, 30, 31, 32, 25, 24, 23, 22, 21, 20, 18

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

# NOTES-

OTHERS

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Corner(3E) -0-10-8 to 3-6-5, Exterior(2N) 3-6-5 to 14-0-0, Corner(3R) 14-0-0 to 18-4-13, Exterior(2N) 18-4-13 to 28-10-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry

- Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) All plates are 2x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 2-0-0 oc.

7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- 8) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide
- will fit between the bottom chord and any other members.

9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 27, 28, 29, 30, 31, 32, 25, 24, 23, 22, 21, 20, 18.

10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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 bucking 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

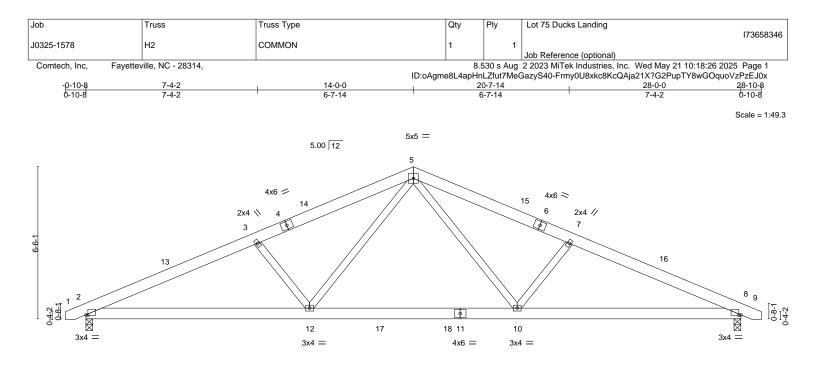


Plate Offsets (X,Y)	9-6-12 [2:0-1-0,0-0-5], [8:0-1-0,0-0-5]		8-10-9			9-6-12	1
LOADING (psf)	<b>SPACING-</b> 2-0-0	CSI.	DEFL. in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.23	Vert(LL) -0.12 10-12	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.46	Vert(CT) -0.18 10-12	>999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.20	Horz(CT) 0.05 8	n/a	n/a		
3CDL 10.0	Code IRC2018/TPI2014	Matrix-S	Wind(LL) 0.04 10-12	>999	240	Weight: 173 lb	FT = 20%

BOT CHORD

Rigid ceiling directly applied or 10-0-0 oc bracing.

TOP CHORD2x6 SP No.1BOT CHORD2x6 SP No.1WEBS2x4 SP No.2

REACTIONS. (size) 2=0-3-8, 8=0-3-8 Max Horz 2=-73(LC 17) Max Uplift 2=-81(LC 12), 8=-81(LC 13) Max Grav 2=1263(LC 2), 8=1263(LC 2)

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

- TOP CHORD 2-3=-2329/502, 3-5=-2130/479, 5-7=-2130/479, 7-8=-2329/502
- BOT CHORD 2-12=-394/2081, 10-12=-180/1430, 8-10=-383/2081
- WEBS 5-10=-109/808, 7-10=-403/250, 5-12=-109/808, 3-12=-403/250

#### NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -0-8-5 to 3-8-8, Interior(1) 3-8-8 to 14-0-0, Exterior(2R) 14-0-0 to 18-4-13, Interior(1) 18-4-13 to 28-8-5 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

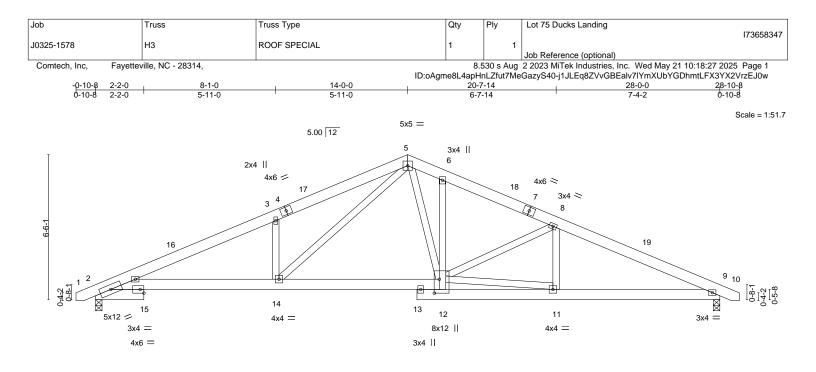
4) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8.

6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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<u>2-2-0</u> 2-2-0		14-5-0 6-4-0	20-7-14 6-2-14	+ <u>28-0-0</u> 7-4-2
Plate Offsets (X,Y)	[12:0-7-8,0-2-12]			
LOADING (psf)	<b>SPACING-</b> 2-0-0	CSI.	DEFL. in (loc) I/defl	L/d PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.38	Vert(LL) -0.11 2-14 >999	360 MT20 244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.91	Vert(CT) -0.24 2-14 >999	240
BCLL 0.0 *	Rep Stress Incr YES	WB 0.34	Horz(CT) 0.09 9 n/a	n/a
BCDL 10.0	Code IRC2018/TPI2014	Matrix-S	Wind(LL) 0.09 2-14 >999	240 Weight: 197 lb FT = 20%
LUMBER-			BRACING-	

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x6 SP No 1 2x6 SP No.1 \*Except\* BOT CHORD 6-12: 2x4 SP No.2 WFBS 2x4 SP No.2

REACTIONS. (size) 2=0-3-8, 9=0-3-8 Max Horz 2=73(LC 16) Max Uplift 2=-81(LC 12), 9=-81(LC 13) Max Grav 2=1159(LC 1), 9=1159(LC 1)

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

- TOP CHORD 2-3=-2460/529, 3-5=-2448/662, 5-6=-1620/486, 6-8=-1702/439, 8-9=-2151/473
- BOT CHORD 2-14=-414/2187, 12-14=-191/1365, 11-12=-352/1893, 9-11=-350/1887
- WEBS 3-14=-423/266, 8-12=-488/164, 5-14=-307/1128, 5-12=-149/574

### NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -0-8-5 to 3-8-8, Interior(1) 3-8-8 to 14-0-0, Exterior(2R) 14-0-0 to 18-4-13, Interior(1) 18-4-13 to 28-8-5 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

4) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 9.

6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

# Vanantanan MALITICA I SEAL 036322 G mmm May 22,2025

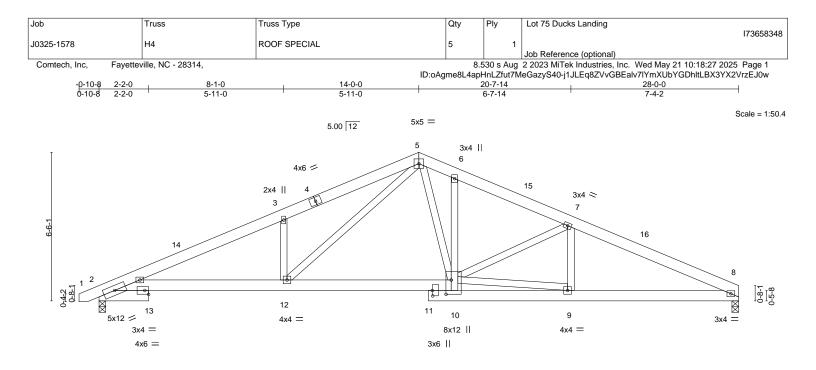
Structural wood sheathing directly applied or 4-4-13 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

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 that the operating of the second se and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)



818 Soundside Road



2-2		14-5-0		20-7-14		28-0-0	
2-2 Ploto Offecto (X V)		6-4-0	1	6-2-14	I	7-4-2	1
Plate Offsets (X,Y)	[10:0-7-8,0-2-12], [11:0-2-13,0-0-4]					1	
LOADING (psf)	<b>SPACING-</b> 2-0-0	CSI.	DEFL. in	(loc) l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.38	Vert(LL) -0.11	2-12 >999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.91	Vert(CT) -0.24		240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.35	Horz(CT) 0.09	8 n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014	Matrix-S	Wind(LL) 0.09	2-12 >999	240	Weight: 195 lb	FT = 20%
WEBS 6-10: 2 WEBS 2x4 SF REACTIONS. (size Max H Max U	P No.1 *Except* x4 SP No.2 P No.2		BRACING- TOP CHORD BOT CHORD			rectly applied or 4-4-13 or 10-0-0 oc bracing.	oc purlins.
TOP CHORD 2-3=- BOT CHORD 2-12=	Comp./Max. Ten All forces 250 (lb) of 2462/538, 3-5=-2450/671, 5-6=-1622/4 -427/2189, 10-12=-202/1367, 9-10=-36 -423/267, 7-10=-494/169, 5-12=-310/1	36, 6-7=-1705/445, 7-8=-2 3/1900, 8-9=-361/1894					
NOTES-							

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -0-8-5 to 3-8-8, Interior(1) 3-8-8 to 14-0-0, Exterior(2R) 14-0-0 to 18-4-13, Interior(1) 18-4-13 to 27-10-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

4) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 2.

6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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)

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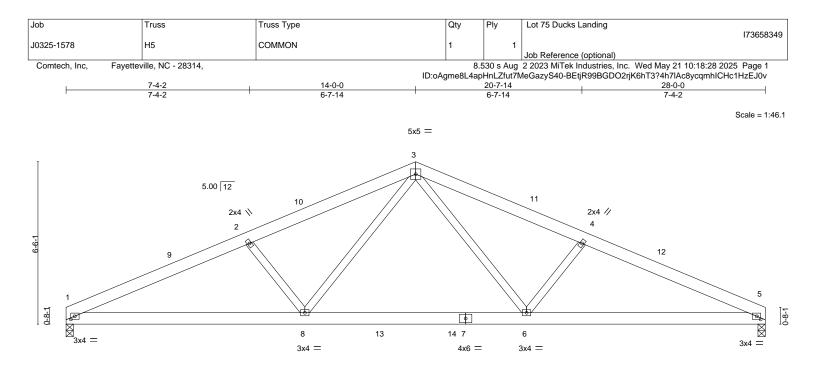


Plate Offsets (X,Y)	9-6-12 9-6-12 [1:0-1-14,0-1-8], [5:0-1-14,0-1-8]		<u>18-5-4</u> 8-10-9			28-0-0 9-6-12	
	[1.0-1-14,0-1-6], [5.0-1-14,0-1-6]						
OADING (psf)	<b>SPACING-</b> 2-0-0	CSI.	DEFL. in (lo	c) I/defl	L/d	PLATES	GRIP
CLL 20.0	Plate Grip DOL 1.15	TC 0.24	Vert(LL) -0.12 6	-8 >999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.46	Vert(CT) -0.18 6-	-8 >999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.20	Horz(CT) 0.05	5 n/a	n/a		
3CDL 10.0	Code IRC2018/TPI2014	Matrix-S	Wind(LL) 0.05 6	-8 >999	240	Weight: 169 lb	FT = 20%

BOT CHORD

Rigid ceiling directly applied or 10-0-0 oc bracing.

TOP CHORD2x6 SP No.1BOT CHORD2x6 SP No.1WEBS2x4 SP No.2

REACTIONS. (size) 1=0-3-8, 5=0-3-8 Max Horz 1=72(LC 12) Max Uplift 1=-70(LC 12), 5=-70(LC 13) Max Grav 1=1221(LC 2), 5=1221(LC 2)

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

TOP CHORD 1-2=-2335/511, 2-3=-2135/490, 3-4=-2135/490, 4-5=-2335/511

BOT CHORD 1-8=-406/2087, 6-8=-188/1433, 5-6=-393/2087

WEBS 3-6=-111/810, 4-6=-406/254, 3-8=-111/810, 2-8=-406/254

### NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-1-12 to 4-6-9, Interior(1) 4-6-9 to 14-0-0, Exterior(2R) 14-0-0 to 18-4-13, Interior(1) 18-4-13 to 27-10-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

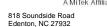
4) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

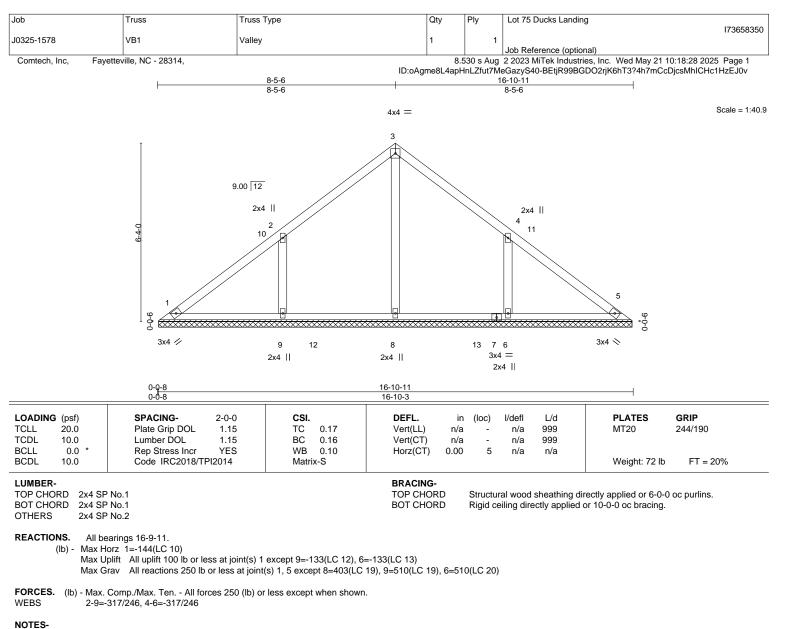
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5.

6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

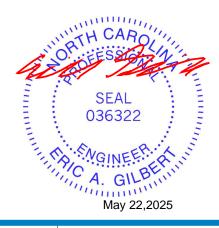


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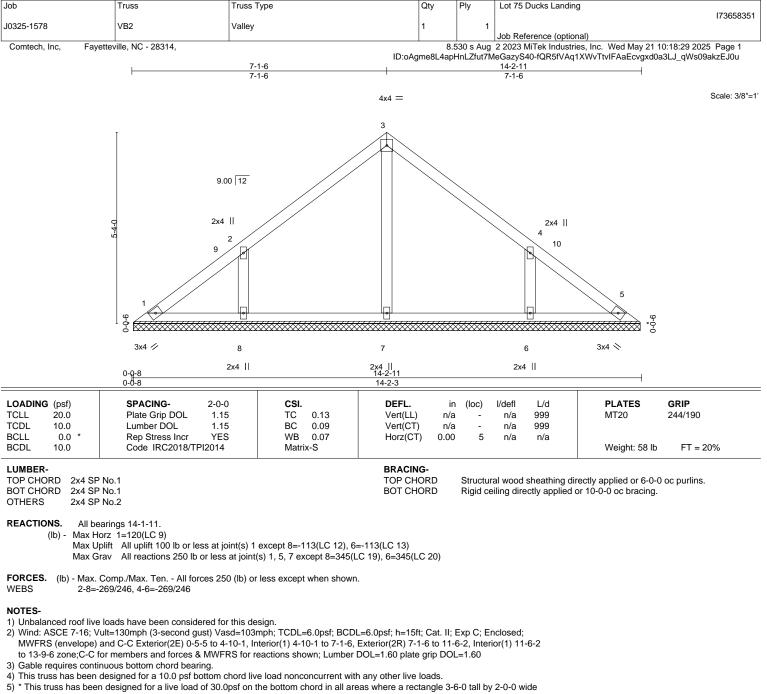
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-5-5 to 4-10-1, Interior(1) 4-10-1 to 8-5-6, Exterior(2R) 8-5-6 to 12-10-2, Interior(1) 12-10-2 to 16-5-6 zone; 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 30.0psf 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) 9=133, 6=133.
- 7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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.sbcaccomponents.com)



818 Soundside Road



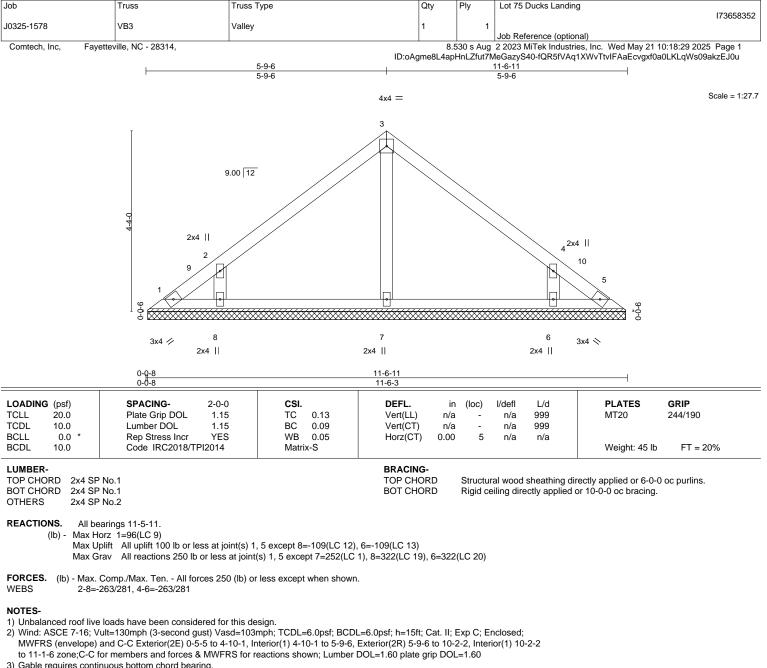
will fit between the bottom chord and any other members.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 8=113. 6=113.

7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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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 30.0psf 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, 5 except (it=lb) 8=109, 6=109,

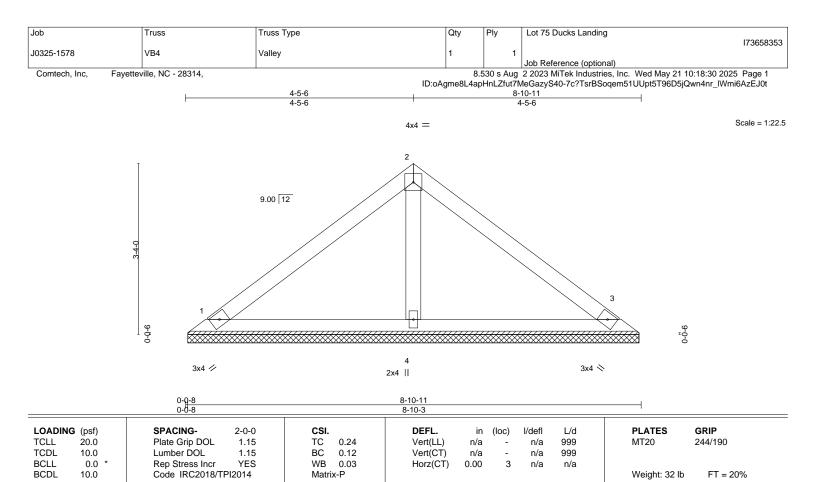
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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818 Soundside Road



BRACING-

TOP CHORD

BOT CHORD

LUMBER-
TOP CHORD

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

2x4 SP No.1

REACTIONS. (size) 1=8-9-11, 3=8-9-11, 4=8-9-11

Max Horz 1=72(LC 9)

Max Uplift 1=-28(LC 12), 3=-35(LC 13)

Max Grav 1=180(LC 1), 3=180(LC 1), 4=281(LC 1)

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

### NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) 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 30.0psf 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.

7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

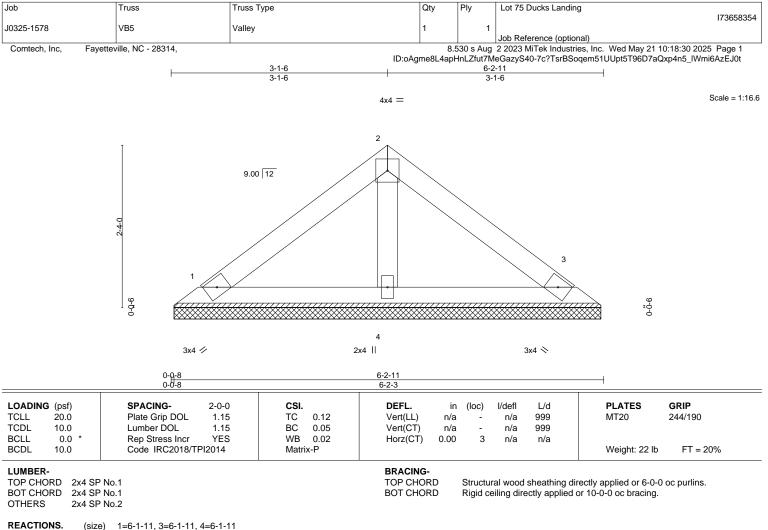


Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

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TIONS. (size) 1=6-1-11, 3=6-1-11, 4=6-1-11 Max Horz 1=-48(LC 8)

Max Uplift 1=-19(LC 12), 3=-23(LC 13)

Max Grav 1=120(LC 1), 3=120(LC 1), 4=188(LC 1)

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

# NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Gable requires continuous bottom chord bearing.

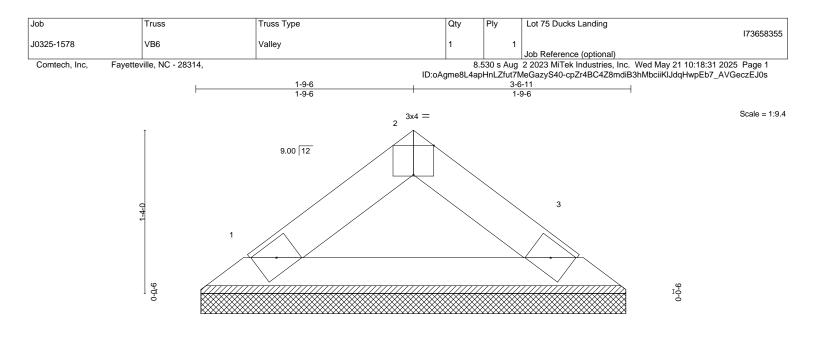
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.

7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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3x4 🥢

3x4 📎

Rigid ceiling directly applied or 10-0-0 oc bracing.

late Offsets (X,Y) [	2:0-2-0,Edge]		1		Γ
OADING (psf)	<b>SPACING-</b> 2-0-0	CSI.	DEFL. in (loc)	l/defl L/d	PLATES GRIP
ICLL 20.0	Plate Grip DOL 1.15	TC 0.04	Vert(LL) n/a -	n/a 999	MT20 244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.06	Vert(CT) n/a -	n/a 999	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) 0.00 3	n/a n/a	
3CDL 10.0	Code IRC2018/TPI2014	Matrix-P			Weight: 10 lb FT = 20%

BOT CHORD

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

REACTIONS. (size) 1=3-5-1

(size) 1=3-5-11, 3=3-5-11 Max Horz 1=24(LC 11) Max Uplift 1=-5(LC 12), 3=-5(LC 13)

Max Grav 1=107(LC 1), 3=107(LC 1)

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

# NOTES-

2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) 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 30.0psf 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.

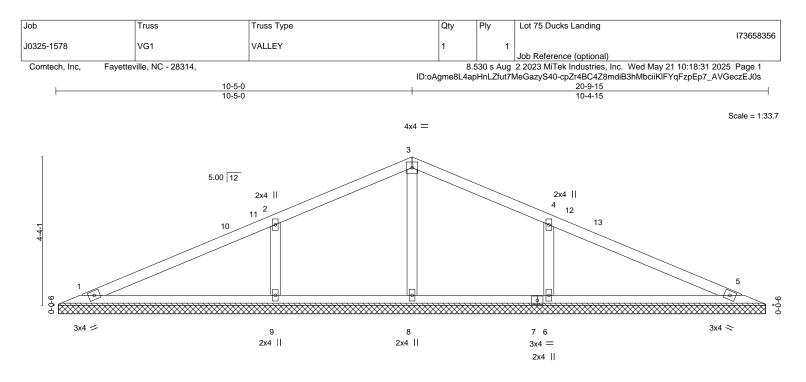
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.

7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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<sup>1)</sup> Unbalanced roof live loads have been considered for this design.



			20-9-1 20-9-1				20 0-
Plate Offsets (X,Y)	[4:0-0-0,0-0-0]					1	
LOADING         (psf)           TCLL         20.0           TCDL         10.0           BCLL         0.0           BCDL         10.0	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrYESCode IRC2018/TPI2014	CSI. TC 0.30 BC 0.19 WB 0.05 Matrix-S	DEFL.inVert(LL)n/aVert(CT)n/aHorz(CT)0.00	(loc) l/defl - n/a - n/a 5 n/a	L/d 999 999 n/a	PLATES MT20 Weight: 74 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER- TOP CHORD 2x4 SP	P No.1		BRACING- TOP CHORD	Structural wood	sheathing di	rectly applied or 6-0-0	) oc purlins.

TOP CHORD	2x4 SP No.1	TOP CHORD	Structural wood sheathing directly applied or 6-0-0
BOT CHORD	2x4 SP No.1	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS	2x4 SP No.2		

REACTIONS. All bearings 20-8-2.

(lb) -Max Horz 1=-48(LC 13)

Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 9, 6

Max Grav All reactions 250 lb or less at joint(s) 1, 5, 8 except 9=486(LC 25), 6=486(LC 26)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. WEBS 2-9=-356/254, 4-6=-355/254

NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-9-6 to 5-2-3, Interior(1) 5-2-3 to 10-5-0, Exterior(2R) 10-5-0 to 14-9-12, Interior(1) 14-9-12 to 20-0-9 zone;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 30.0psf 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, 5, 9, 6.

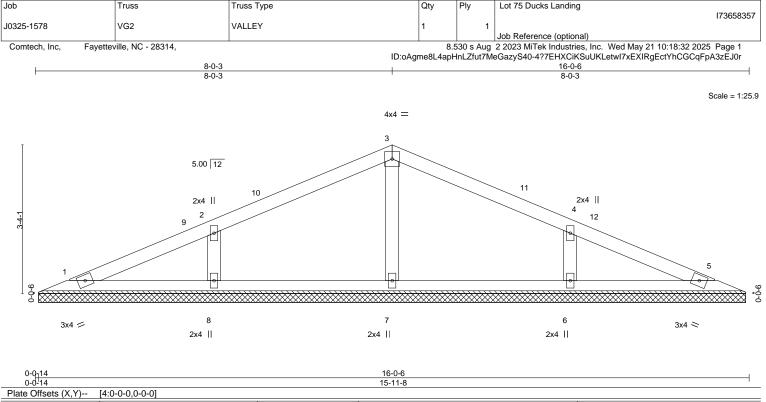
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and

referenced standard ANSI/TPI 1.



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LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 *	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES	CSI. TC 0.14 BC 0.08 WB 0.04	Vert(CT) r	in (loc) /a - /a - 00 5	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20	<b>GRIP</b> 244/190
BCDL     10.0       LUMBER-       TOP CHORD     2x4 SF       BOT CHORD     2x4 SF       DTHERS     2x4 SF	° No.1	Matrix-S	BRACING- TOP CHORD BOT CHORD				Weight: 54 lb rectly applied or 6-0-0 or 10-0-0 oc bracing.	FT = 20%

REACTIONS. All bearings 15-10-9.

(lb) - Max Horz 1=36(LC 16)

Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 8, 6

Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=281(LC 1), 8=342(LC 25), 6=342(LC 26)

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

WEBS 2-8=-259/234, 4-6=-259/234

### NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-9-6 to 5-2-3, Interior(1) 5-2-3 to 8-0-3, Exterior(2R) 8-0-3 to 12-5-0, Interior(1) 12-5-0 to 15-3-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

4) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

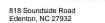
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 8, 6.

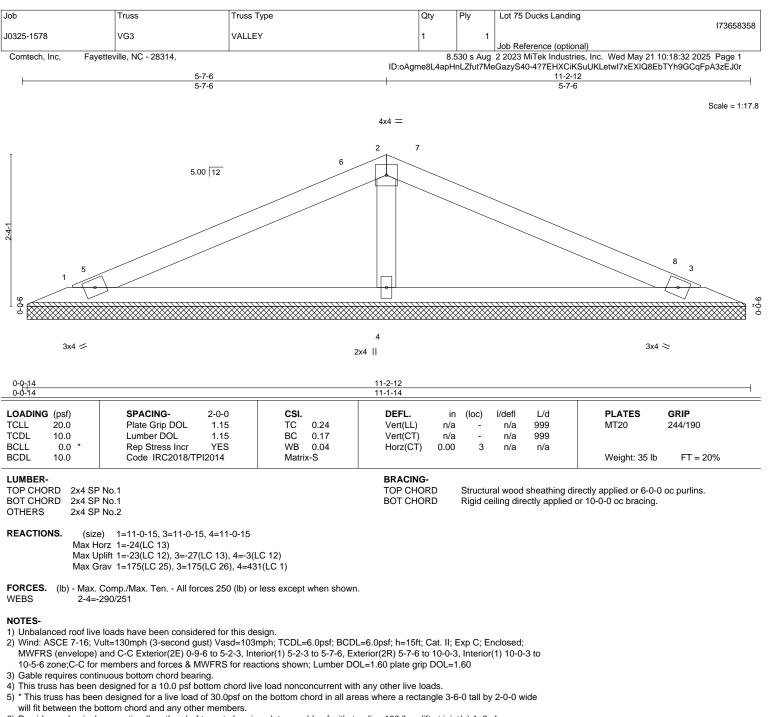
6) Non Standard bearing condition. Review required.

7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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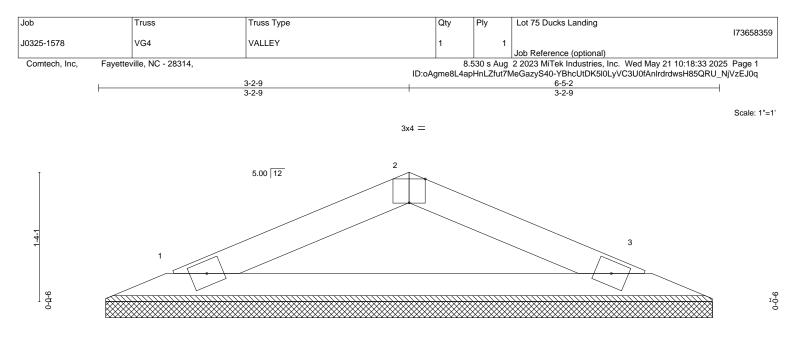




6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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3x4 ⋍

3x4 ≈

Plate Offsets (X,Y)	[2:0-2-0,Edge]		6-4-4 6-4-4	<u>6151</u> 2 0-0-14
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2018/TPI2014	CSI. TC 0.12 BC 0.22 WB 0.00 Matrix-P	DEFL.         in         (loc)         l/defl         L/d           Vert(LL)         n/a         -         n/a         999           Vert(CT)         n/a         -         n/a         999           Horz(CT)         0.00         3         n/a         n/a	PLATES         GRIP           MT20         244/190           Weight: 17 lb         FT = 20%
LUMBER- TOP CHORD 2x4 SP BOT CHORD 2x4 SP			BRACING- TOP CHORD Structural wood sheathing BOT CHORD Rigid ceiling directly applie	directly applied or 6-0-0 oc purlins. d or 10-0-0 oc bracing.

REACTIONS. (size) 1=6-3-6, 3=6-3-6 Max Horz 1=-12(LC 17) Max Ublift 1=-12(LC 12), 3=-12

Max Uplift 1=-12(LC 12), 3=-12(LC 13) Max Grav 1=195(LC 1), 3=195(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=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) 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 30.0psf 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.
- 7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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