

Trenco 818 Soundside Rd Edenton, NC 27932

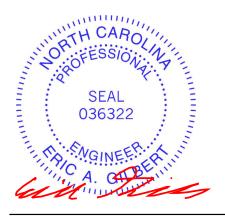
Re: 20010112 MIKE SHEAN / FRANK RESIDENCE

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

Pages or sheets covered by this seal: E14115596 thru E14115648

My license renewal date for the state of North Carolina is December 31, 2020.

North Carolina COA: C-0844

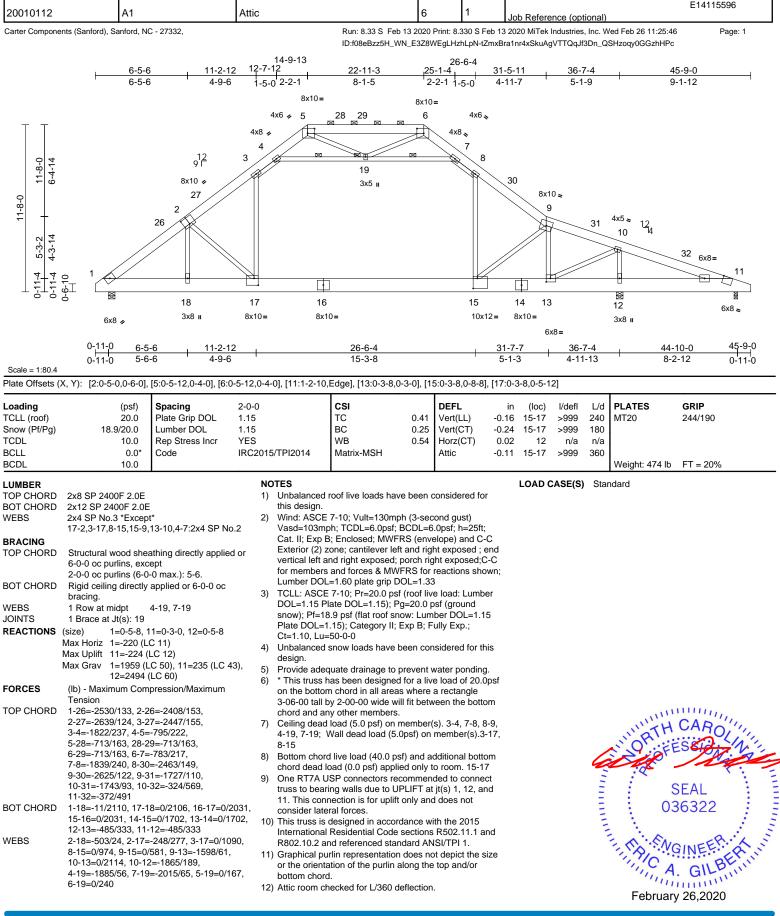


February 26,2020

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	MIKE SHEAN / FRANK RESIDENCE	
20010112	A1	Attic	6	1	Job Reference (optional)	E14115596



🙏 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 besign valid for use only with with every connectors. This design is based only upon 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 and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	A2	Attic	4	1	Job Reference (optional)	E14115597

Run: 8.33 S Feb 13 2020 Print: 8.330 S Feb 13 2020 MiTek Industries, Inc. Wed Feb 26 11:25:49 ID:kWjtk_OUkxGnWDV3Ubr6bzzhLnY-ij7CSvfoNhr4AfLK1matg5ZfMepCq8CsBmPKUvzhHPW

Page: 1

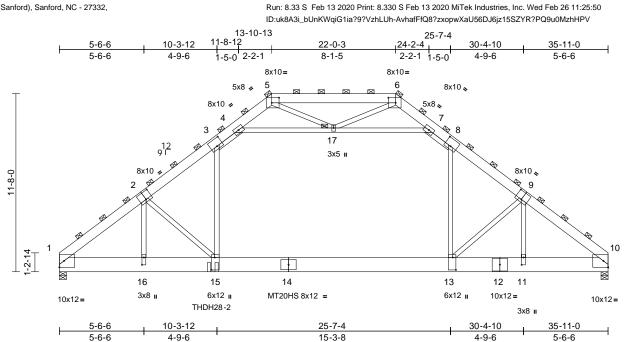
NGINEERING

818 Soundside Road Edenton, NC 27932

	6-5-6	11-2-12	14-9-13 12-7-12	22-11-3	26-6-4 _25-1-4		36-7-4	45-9-0
	6-5-6	4-9-6	1-5-0 2-2-1	8-1-5	2-2-1 1-5-0		5-1-9	9-1-12
11-8-0 -4 5-3-2 11-8-0 -4 4-3-14 6-4-14	∘ 1	9 ¹² 8x10 * 25 24	8x10= 4x6 \$ 5 4x8 \$ 4 3	26 ≥ 27 ∞ ™⊞ 19 3x5 ⊪	8x10= 6 4x8 × 7 8		8x10 z 9 29 4x5 10	L <u>Z</u> .
 1-1-0 1-1-4 -11-0	₽ 1 <u>× </u>							
	6x10 ≠	18 3x8 ш	17 10 8x10= 8x	6 (10=	1	5 14 12x16= 8x10=	13 12	6x8 =
		388 1	8×10= 8×	(10=		12X10= 8X10=	3x8 6x8=	1
	<u>6-5-6</u> 6-5-6			<u>26-6-4</u> 15-3-8		31-7-7 5-1-3	<u>36-7-4</u> 4-11-13	<u>44-10-0</u> <u>45-9-0</u> 8-2-12 0-11-0
Scale = 1:80.4 Plate Offsets ()	X, Y): [1:0-5-5,Edge],	[2:0-5-0.0-6-0]. [5:0-5-	12.0-4-0]. [6:0-5-12.0	-4-0]. [11:1-2-10.	Edael. [13:0-3-8.0-3-	0]. [15:0-3-8.0-8	-12]. [17:0-3-8.0-5-12]	
				1				
L oading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 18.9/20.0 10.0 0.0* 10.0	Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 YES IRC2015/TPI2014	CSI TC BC WB Matrix-MSH	0.48 Vert(LL) 0.26 Vert(CT) 0.56 Horz(CT) Attic	in (lc -0.17 15- -0.26 15- 0.03 -0.11 15-	17 >999 240 MT 17 >999 180 12 n/a n/a 17 >999 360	ATES GRIP 20 244/190 sight: 474 lb FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS	2x8 SP 2400F 2.0E 2x12 SP 2400F 2.0E 2x4 SP No.3 *Except 17-2,3-17,8-15,15-9,*			8-15=0/1045, 9- 10-13=0/2088, 4	10-12=-1846/188,	7/64, 12) (nternational Residentia R802.10.2 and referen Graphical purlin repres	in accordance with the 2015 al Code sections R502.11.1 and ced standard ANSI/TPI 1. entation does not depict the size e purlin along the top and/or
BRACING TOP CHORD BOT CHORD WEBS JOINTS REACTIONS	6-0-0 oc purlins, exce 2-0-0 oc purlins (6-0- Rigid ceiling directly bracing. 1 Row at midpt 1 Brace at Jt(s): 19 (size) 1= Mechan	0 max.): 5-6. applied or 6-0-0 oc 4-19, 7-19 nical, 11=0-3-0, 12=0-!	this design. 2) Wind: ASCI Vasd=103m Cat. II; Exp Exterior (2) vertical left for member	E 7-10; Vult=130r hph; TCDL=6.0ps B; Enclosed; MW zone; cantilever l and right exposed	ave been considered nph (3-second gust) f; BCDL=6.0psf; h=2 /FRS (envelope) and eft and right expose d; porch right expose WFRS for reactions s DOI =1 33	for 13) / LOA 5ft; C-C I ; end d;C-C	Attic room checked for D CASE(S) Standard	
	Max Horiz 1=-224 (LC Max Uplift 11=-215 (L Max Grav 1=1977 (L 12=2476 (_C 12) C 50), 11=283 (LC 43)	3) TCLL: ASC DOL=1.15 I snow); Pf=1	E 7-10; Pr=20.0 p Plate DOL=1.15); I8.9 psf (flat roof s	osf (roof live load: Lui Pg=20.0 psf (ground snow: Lumber DOL=			
ORCES	(lb) - Maximum Com	pression/Maximum	Ct=1.10, Lu	I=50-0-0	I; Exp B; Fully Exp.;			
TOP CHORD	Tension 1-24=-3098/164, 2-2 2-25=-2862/135, 3-2 3-4=-1935/243, 4-5=: 5-26=-704/163, 26-2' 6-27=-704/163, 6-7=: 7-8=-1966/246, 8-28: 9-28=-2814/131, 9-2 10-29=-1908/100, 10 11-30=-509/364	5=-2670/166, -790/221, 7=-704/163, -767/215, =-2654/159, 9=-1893/118,	 design. 5) Provide add 6) * This truss on the botto 3-06-00 tall chord and a 7) Ceiling dea 4-19, 7-19; 	equate drainage to has been design om chord in all are by 2-00-00 wide any other member d load (5.0 psf) of	e been considered fo o prevent water ponc ed for a live load of 2 bas where a rectangle will fit between the bors. n member(s). 3-4, 7-6 5.0psf) on member(s)	ling. 0.0psf e ottom 3, 8-9,	L'Anna	ORTH CARO
BOT CHORD	1-18=-15/2627, 17-18	=0/2186, 14-15=0/186	9) Refer to gir 10) One RT7A truss to bea	load (0.0 psf) ap der(s) for truss to USP connectors in aring walls due to ction is for uplift o	psf) and additional b blied only to room. 15 truss connections. recommended to con UPLIFT at jt(s) 12 ar nly and does not con	5-17 nect id 11.	A CONTRACTOR OF A CONTRACT	036322 A. GILBERT

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 **ANS/TPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	A3	Attic Girder	2	3	Job Reference (optional)	E14115598



Scale = 1:75.4

[2:0-5-0,0-6-0], [3:0-5-0,0-5-12], [5:0-5-12,0-4-0], [6:0-5-12,0-4-0], [8:0-5-0,0-5-12], [9:0-5-0,0-6-0], [11:0-5-12,0-1-8], [13:0-9-12,0-2-8], [15 Plate Offsets (X, Y): [16:0-5-12,0-1-8]

Plate Offsets (X, Y): [16:0-5-12,0-1-	8]												
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 18.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	9-0-0 1.15 1.15 NO IRC2015	5/TPI2014	CSI TC BC WB Matrix-MSH	0.94 0.45 0.70	DEFL Vert(LL) Vert(CT) Horz(CT) Attic	-0.43 0.05	(loc) 13-15 13-15 10 13-15	l/defl >999 >999 n/a >999	L/d 240 180 n/a 360	PLATES MT20 MT20HS Weight: 1185	GRIP 244/190 187/143 Ib FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD JOINTS REACTIONS	2x8 SP 2400F 2.0E 2x12 SP 2400F 2.0E 2x4 SP No.3 *Excep 4-7,15-2,3-15,8-13,1 2-0-0 oc purlins (6-0 (Switched from shee Rigid ceiling directly bracing. 1 Brace at Jt(s): 5, 6, 17	nt* 3-9:2x4 SP No.2 -0 max.) eted: Spacing > 2-8-(applied or 10-0-0 oc 10=0-5-8		(0.131"x3") r Top chords of staggered at Bottom chorre staggered at Web connecc All loads are except if note CASE(S) see provided to of unless other Unbalanced this design.	ted as follows: 2x4 considered equally ed as front (F) or ba tion. Ply to ply con distribute only loads wise indicated. roof live loads have	rs: 2x8 - bow at 0- lows: 2 - 1 row applie ack (B) nection noted been o	2 rows 9-0 oc. x12 - 5 rows at 0-9-0 oc. d to all plies, face in the LC s have been as (F) or (B), considered for		trus: This late 12) This Inte R80 13) Loa 13) Loa 13) Loa 14, 30, 45, revia inter 14) Gra	s to bea connectral force truss is rnationa 2.10.2 a d case(s 16, 17, 1 31, 32, 3 46 has/h ew loads nded us phical price	ring wa stion is s. desig l Resid and refe s) 1, 2, 18, 19, 33, 34, nave be s to ve e of thi urlin re	onnectors recoin alls due to UPL for uplift only a dential Code se erenced standa 3, 4, 5, 6, 7, 8, 20, 21, 22, 23, 35, 36, 37, 38, een modified. E rifly that they ar is truss.	IFT at jt(s) 1 and IFT at jt(s) 1 and ind does not com not with the 201 ctions R502.11. ard ANSI/TPI 1. 9, 10, 11, 12, 11 24, 25, 26, 27, 1 39, 40, 41, 42, 1 suilding designer e correct for the poes not depict th	I 10. sider 5 1 and 3, 14, 28, 29, 43, 44, ⁻ must e size
	Max Grav 1=-030 (E Max Grav 1=10785 (E (b) - Maximum Com Tension 1-2=-14703/0, 2-3=- 4-5=-2438/885, 5-6= 6-7=-2579/765, 7-8= 9-10=-17602/0	(LC [´] 3), 10=14183 (L ⁱ npression/Maximum 15827/0, 3-4=-10921 2000/444,	1/0, 5)	Vasd=103mp Cat. II; Exp E left and right exposed; Lut TCLL: ASCE DOL=1.15 P	7-10; Vult=130mph bh; TCDL=6.0psf; E 3; Enclosed; MWFR exposed ; end vert mber DOL=1.60 pla ; 7-10; Pr=20.0 psf late DOL=1.15); Pg	CDL=6 S (env ical left ate grip (roof liv j=20.0 p	i.0psf; h=25ft; elope); cantile and right DOL=1.33 e load: Lumbo osf (ground	ever	botte 15) Use 4-16 left o choi	om chor USP TH od nails end to c rd.	d. HDH28 into Tr onnect	3-2 (With 36-16 uss) or equival t truss(es) to ba	ng the top and/o d nails into Girde ent at 10-0-8 from ack face of bottom in contact with I	er & n the n
BOT CHORD	1-16=-415/11828, 15 14-15=0/12040, 13-1 12-13=0/13788, 11-1 10-11=0/13781	14=0/12040, 12=0/13788,	6) 7)	Plate DOL=1 Ct=1.10, Lu= Provide adeo All plates are	quate drainage to p MT20 plates unles	Exp B; F revent ss other	ully Exp.; water ponding wise indicated). d.			4	A CRIMENT	ESSIO	
WEBS NOTES	2-16=-3862/0, 4-17= 7-17=-11491/0, 2-15 3-15=0/7105, 8-13=(5-17=0/1626, 6-17=-	5=-992/2344, 0/7572, 9-13=-4228/		on the bottor 3-06-00 tall t chord and ar Ceiling dead	has been designed in chord in all areas by 2-00-00 wide will by other members. load (5.0 psf) on m ead load (5.0psf) o	where fit betw	a rectangle veen the botto (s). 3-4, 7-8, 4	om I-17,			THE DAY STREET		SEAL 36322	

10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 13-15

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Continued on page 2 Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE. WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE MIT-1473 rev. 10/03/2015 BEFORE USE. Design valid for use only with MITER® 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 **ANS/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



A. GIL A. GILDIN

В

Page: 1

Jo	b	Truss	Truss Ty	De	Qty	Ply	MIKE	SHEAN / FRANK RESIDENCE
20	010112	A3	Attic Gir	der	2	3	Joh Re	E14115598 eference (optional)
Car	ter Components (Sanford),	Sanford, NC - 27332,		Run: 8.33 S Feb 13	2020 Print: 8			iTek Industries, Inc. Wed Feb 26 11:25:50 Page: 2
							•	XaU56DJ6jz15SZYR?PQ9u0MzhHPV
	Attic room checked for			Vert: 1-3=-55, 3-4=-100, 4-5=- 7-8=-189, 8-10=-144, 13-18=-				Vert: 15=-1515 (B) Dead: Lumber Increase=1.00, Plate Increase=1.00
1)	AD CASE(S) Standard Dead + Snow (baland	u ed): Lumber Increase=1.15, Pla	ate	(F=-335), 4-17=-45, 7-17=-45	00, 10 21-	120	10)	Uniform Loads (Ib/ft)
	Increase=1.15			Horz: 1-5=-35, 6-10=-54 Drag: 3-15=-45, 8-13=-45				Vert: 1-3=-90, 3-4=-135, 4-5=-90, 5-6=-90, 6-7=-90, 7-8=-135, 8-10=-90, 15-18=-90, 13-15=-450,
	Uniform Loads (lb/ft) Vert: 1-3=-215, 3-4	=-260, 4-5=-215, 5-6=-260,		Concentrated Loads (lb)				13-21=-579 (F=-489), 4-17=-45, 7-17=-45
	6-7=-215, 7-8=-260	0, 8-10=-215, 13-18=-90,		Vert: 15=548 (B)				Drag: 3-15=-45, 8-13=-45
	13-21=-425 (F=-33 Drag: 3-15=-45, 8-1	5), 4-17=-45, 7-17=-45 13=-45	9)	Dead + 0.6 MWFRS Wind (Pos. Lumber Increase=1.60, Plate Inc				Concentrated Loads (lb) Vert: 15=-1515 (B)
	Concentrated Loads (Uniform Loads (lb/ft)			17)	Dead + 0.75 Snow (bal.) + 0.75 Attic Floor + 0.75(0.6
2)	Vert: 15=-1680 (B)	lanced): Lumber Increase=1.15		Vert: 1-3=67, 3-4=40, 4-5=67, 7-8=-4, 8-10=23, 13-18=-54, 1				MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.33
2)	Plate Increase=1.15	lanced). Lumber increase=1.15	,	4-17=-27, 7-17=-27	021 000	(. 000),		Uniform Loads (Ib/ft)
	Uniform Loads (lb/ft)			Horz: 1-5=-121, 6-10=77 Drag: 3-15=-45, 8-13=-45				Vert: 1-3=-224, 3-4=-269, 4-5=-224, 5-6=-164, 6-7=-157, 7-8=-202, 8-10=-157, 15-18=-90,
		=-315, 4-5=-270, 5-6=-270, 5, 8-10=-270, 13-18=-90,		Concentrated Loads (lb)				13-15=-360, 13-21=-541 (F=-451), 4-17=-45,
	,	2), 4-17=-45, 7-17=-45	10)	Vert: 15=513 (B)		d Densilet		7-17=-45 Horz: 1-5=41, 6-10=26
	Drag: 3-15=-45, 8- Concentrated Loads (10)	Dead + 0.6 MWFRS Wind (Pos. Lumber Increase=1.60, Plate Inc				Drag: 3-15=-45, 8-13=-45
	Vert: 15=-1853 (B)			Uniform Loads (lb/ft)		7 07		Concentrated Loads (lb)
3)		e (balanced) + 0.75 Attic Floor: 5, Plate Increase=1.15		Vert: 1-3=23, 3-4=-4, 4-5=23, 7-8=40, 8-10=67, 13-18=-54,			18)	Vert: 15=289 (B) Dead + 0.75 Snow (bal.) + 0.75 Attic Floor + 0.75(0.6
	Uniform Loads (lb/ft)	,		4-17=-27, 7-17=-27		(,	MWFRS Wind (Neg. Int) Right): Lumber
	,	=-270, 4-5=-225, 5-6=-225, 0, 8-10=-225, 15-18=-90,		Horz: 1-5=-77, 6-10=121 Drag: 3-15=-45, 8-13=-45				Increase=1.60, Plate Increase=1.33 Uniform Loads (lb/ft)
		=-673 (F=-583), 4-17=-45,		Concentrated Loads (lb)				Vert: 1-3=-157, 3-4=-202, 4-5=-157, 5-6=-164,
	7-17=-45 Drag: 3-15=-45, 8-1	1315	11)	Vert: 15=513 (B) Dead + 0.6 MWFRS Wind (Pos.	Intornal) 2r	d Parallal:		6-7=-224, 7-8=-269, 8-10=-224, 15-18=-90, 13-15=-360, 13-21=-541 (F=-451), 4-17=-45,
	Concentrated Loads (11)	Lumber Increase=1.60, Plate Inc				7-17=-45
4)	Vert: 15=-2090 (B)			Uniform Loads (lb/ft)	E C 22 C	7 00		Horz: 1-5=-26, 6-10=-41 Drag: 3-15=-45, 8-13=-45
4)		alanced) + 0.75 Attic Floor: 5, Plate Increase=1.15		Vert: 1-3=67, 3-4=40, 4-5=67, 7-8=-4, 8-10=23, 13-18=-54, 1				Concentrated Loads (lb)
	Uniform Loads (lb/ft)			4-17=-27, 7-17=-27			10)	Vert: 15=289 (B)
		=-229, 4-5=-184, 5-6=-217, 9, 8-10=-184, 15-18=-90,		Horz: 1-5=-121, 6-10=77 Drag: 3-15=-45, 8-13=-45			19)	Dead + 0.75 Snow (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber
	13-15=-360, 13-21	=-541 (F=-451), 4-17=-45,		Concentrated Loads (lb)				Increase=1.60, Plate Increase=1.33
	7-17=-45 Drag: 3-15=-45, 8-1	13=-45	12)	Vert: 15=513 (B) Dead + 0.6 MWFRS Wind (Pos.	Internal) 4t	h Parallel·		Uniform Loads (lb/ft) Vert: 1-3=-130, 3-4=-175, 4-5=-130, 5-6=-197,
	Concentrated Loads ((lb)	12)	Lumber Increase=1.60, Plate Inc				6-7=-164, 7-8=-209, 8-10=-164, 15-18=-90,
5)	Vert: 15=-1960 (B)	Wind (Pos. Internal) Left: Lumbe	ar.	Uniform Loads (lb/ft) Vert: 1-3=23, 3-4=-4, 4-5=23,	F 6 - 22 6 -	7 67		13-15=-360, 13-21=-541 (F=-451), 4-17=-45, 7-17=-45
3)	Increase=1.60, Plate		21	7-8=40, 8-10=67, 13-18=-54,				Horz: 1-5=-53, 6-10=20
	Uniform Loads (lb/ft)	95 4 5- 59 5 6-67 6 7-21		4-17=-27, 7-17=-27				Drag: 3-15=-45, 8-13=-45 Concentrated Loads (lb)
		-85, 4-5=-58, 5-6=67, 6-7=31, 3-18=-54, 13-21=-389 (F=-335),		Horz: 1-5=-77, 6-10=121 Drag: 3-15=-45, 8-13=-45				Vert: 15=289 (B)
	4-17=-27, 7-17=-27			Concentrated Loads (lb)			20)	Dead + 0.75 Snow (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber
	Horz: 1-5=4, 6-10= Drag: 3-15=-45, 8-		13)	Vert: 15=513 (B) Dead + 0.6 MWFRS Wind (Neg.	Internal) 1	st Parallel		Increase=1.60, Plate Increase=1.33
	Concentrated Loads ((lb)	,	Lumber Increase=1.60, Plate Inc				Uniform Loads (lb/ft) Vert: 1-3=-164, 3-4=-209, 4-5=-164, 5-6=-197,
6)	Vert: 15=513 (B) Dead + 0.6 MWFRS \	Wind (Pos. Internal) Right:		Uniform Loads (lb/ft) Vert: 1-3=-19, 3-4=-64, 4-5=-1	9 5-6=-64	6-7=-64		6-7=-130, 7-8=-175, 8-10=-130, 15-18=-90,
-,	Lumber Increase=1.6	0, Plate Increase=1.33		7-8=-109, 8-10=-64, 13-18=-9		,		13-15=-360, 13-21=-541 (F=-451), 4-17=-45, 7-17=-45
	Uniform Loads (lb/ft)	4, 4-5=31, 5-6=67, 6-7=-58,		(F=-335), 4-17=-45, 7-17=-45 Horz: 1-5=-71, 6-10=26				Horz: 1-5=-20, 6-10=53
	7-8=-85, 8-10=-58,	13-18=-54, 13-21=-389 (F=-33	5),	Drag: 3-15=-45, 8-13=-45				Drag: 3-15=-45, 8-13=-45
	4-17=-27, 7-17=-27 Horz: 1-5=-85, 6-10			Concentrated Loads (lb)				Concentrated Loads (lb) Vert: 15=289 (B)
	Drag: 3-15=-45, 8-1		14)	Vert: 15=548 (B) Dead + 0.6 MWFRS Wind (Neg.	Internal) 2r	nd Parallel:	21)	Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75
	Concentrated Loads ((lb)	,	Lumber Increase=1.60, Plate Inc	rease=1.33	3		(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.33
7)	Vert: 15=513 (B) Dead + 0.6 MWFRS \	Wind (Neg. Internal) Left: Lumbe	er	Uniform Loads (lb/ft) Vert: 1-3=-64, 3-4=-109, 4-5=-	64. 5-6=-64	4. 6-7=-19.		Uniform Loads (lb/ft)
,	Increase=1.60, Plate	Increase=1.33		7-8=-64, 8-10=-19, 13-18=-90				Vert: 1-3=-266, 3-4=-311, 4-5=-266, 5-6=-172, 6-7=-199, 7-8=-244, 8-10=-199, 15-18=-90,
	Uniform Loads (lb/ft) Vert: 1-3=-144, 3-4	=-189, 4-5=-144, 5-6=-19,		4-17=-45, 7-17=-45 Horz: 1-5=-26, 6-10=71				13-15=-360, 13-21=-673 (F=-583), 4-17=-45,
	6-7=-55, 7-8=-100,	8-10=-55, 13-18=-90, 13-21=-4	25	Drag: 3-15=-45, 8-13=-45				7-17=-45 Horz: 1-5=41, 6-10=26
	(F=-335), 4-17=-45 Horz: 1-5=54, 6-10			Concentrated Loads (lb)				Drag: 3-15=-45, 8-13=-45
	Drag: 3-15=-45, 8-1		15)	Vert: 15=548 (B) Dead + Attic Floor: Lumber Incre	ase=1.00,	Plate		Concentrated Loads (lb)
	Concentrated Loads ((lb)	- /	Increase=1.00	,		22)	Vert: 15=289 (B) Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75
8)	Vert: 15=548 (B) Dead + 0.6 MWFRS \	Wind (Neg. Internal) Right:		Uniform Loads (lb/ft) Vert: 1-3=-90, 3-4=-135, 4-5=-	90, 5-6=-90	0, 6-7=-90	,	(0.6 MWFRS Wind (Neg. Int) Right): Lumber
,	Lumber Increase=1.6	0, Plate Increase=1.33		7-8=-135, 8-10=-90, 15-18=-9	0, 13-15=-4	150,		Increase=1.60, Plate Increase=1.33 Uniform Loads (lb/ft)
	Uniform Loads (lb/ft)			13-21=-579 (F=-489), 4-17=-4 Drag: 3-15=-45, 8-13=-45	5, 7-17=-4	þ		
				Concentrated Loads (lb)				

Continued on page 3 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 **ANSUTPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

Concentrated Loads (lb)



Job		Truss	Truss Typ	be	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE
200	010112	A3	Attic Gir	der	2	3	E14115598 Job Reference (optional)
Carte	er Components (Sanford), S	anford, NC - 27332,				.330 S Feb 1	13 2020 MiTek Industries, Inc. Wed Feb 26 11:25:50 Page: 3
							Q8?zxopwXaU56DJ6jz15SZYR?PQ9u0MzhHPV
	6-7=-266, 7-8=-311, 13-15=-360, 13-21= 7-17=-45 Horz: 1-5=-26, 6-10= Drag: 3-15=-45, 8-13 Concentrated Loads (It Vert: 15=289 (B)	3=-45 o)	30)	Vert: 1-3=-58, 3-4=-85, 4-5=-5 7-8=4, 8-10=31, 13-18=-54, 1 4-17=-27, 7-17=-27 Horz: 1-5=4, 6-10=85 Drag: 3-15=-45, 8-13=-45 Concentrated Loads (lb) Vert: 15=-1161 (B) Reversal: Dead + 0.6 MWFRS V	3-21=-389 (Vind (Pos. I	(F=-335), nternal)	Concentrated Loads (lb) Vert: 15=-1161 (B) 37) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 1s Parallel: Lumber Increase=1.60, Plate Increase=1.33 Uniform Loads (lb/ft) Vert: 1-3=-19, 3-4=-64, 4-5=-19, 5-6=-64, 6-7=-64, 7-8=-109, 8-10=-64, 13-18=-90, 13-21=-425 (F=-335), 4-17=-45, 7-17=-45
23)	(0.6 MWFRS Wind (Ne Increase=1.60, Plate Ir Uniform Loads (lb/ft) Vert: 1-3=-172, 3-4= 6-7=-205, 7-8=-250, 13-15=-360, 13-21= 7-17=-45 Horz: 1-5=-53, 6-10= Drag: 3-15=-45, 8-13 Concentrated Loads (lt	-217, 4-5=-172, 5-6=-205, 8-10=-205, 15-18=-90, -673 (F=-583), 4-17=-45, =20 3=-45		Right: Lumber Increase=1.60, P Uniform Loads (lb/ft) Vert: 1-3=31, 3-4=4, 4-5=31, 1 7-8=-85, 8-10=-58, 13-18=-54 4-17=-27, 7-17=-27 Horz: 1-5=-85, 6-10=-4 Drag: 3-15=-45, 8-13=-45 Concentrated Loads (lb) Vert: 15=-1161 (B) Reversal: Dead + 0.6 MWFRS V Left: Lumber Increase=1.60, Pla	5-6=67, 6-7 , 13-21=-38 √ind (Neg. I	=-58, 99 (F=-335) nternal)	Horz: 1-5=-71, 6-10=26 Drag: 3-15=-45, 8-13=-45 Concentrated Loads (lb) Vert: 15=-1126 (B) 38) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.33 Uniform Loads (lb/ft) Vert: 1-3=-64, 3-4=-109, 4-5=-64, 5-6=-64, 6-7=-19, 7-8=-64, 8-10=-19, 13-18=-90, 13-21=-425 (F=-335 4-17=-45, 7-17=-45
24)	(0.6 MWFRS Wind (Ne Increase=1.60, Plate Ir Uniform Loads (lb/ft) Vert: 1-3=-205, 3-4= 6-7=-172, 7-8=-217, 13-15=-360, 13-21= 7-17=-45 Horz: 1-5=-20, 6-10=	250, 4-5=-205, 5-6=-205, 8-10=-172, 15-18=-90, -673 (F=-583), 4-17=-45, =53	32)	Uniform Loads (lb/ft) Vert: 1-3=-144, 3-4=-189, 4-5 6-7=-55, 7-8=-100, 8-10=-55, (F=-335), 4-17=-45, 7-17=-45 Horz: 1-5=54, 6-10=35 Drag: 3-15=-45, 8-13=-45 Concentrated Loads (lb) Vert: 15=-1126 (B) Reversal: Dead + 0.6 MWFRS V Right: Lumber Increase=1.60, P	13-18=-90, /ind (Neg. I	13-21=-42	Horz: 1-5=-26, 6-10=71 Drag: 3-15=-45, 8-13=-45 Concentrated Loads (Ib) Vert: 15=-1126 (B) 39) Reversal: Dead + 0.75 Snow (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.33 Uniform Loads (Ib/ft) Vert: 1-3=-224, 3-4=-269, 4-5=-224, 5-6=-164, 6-7=-157, 7-8=-202, 8-10=-157, 15-18=-90,
25)	6-7=-90, 7-8=-135, 8 (F=-512), 4-17=-45, Drag: 3-15=-45, 8-13	b) unbalanced): Lumber horease=1.15 -315, 4-5=-270, 5-6=-270, 3-10=-90, 13-18=-90, 13-21=-6 7-17=-45 3=-45	502 33)	Uniform Loads (lb/ft) Vert: 1-3=-55, 3-4=-100, 4-5= 7-8=-189, 8-10=-144, 13-18=- (F=-335), 4-17=-45, 7-17=-45 Horz: 1-5=-35, 6-10=-54 Drag: 3-15=-45, 8-13=-45 Concentrated Loads (lb) Vert: 15=-1126 (B) Reversal: Dead + 0.6 MWFRS V Parallel: Lumber Increase=1.60,	90, 13-21=- Vind (Pos. I	425 nternal) 1st	Horz: 1-5=41, 6-10=26 Drag: 3-15=-45, 8-13=-45 Concentrated Loads (Ib) Vert: 15=-1718 (B) 40) Reversal: Dead + 0.75 Snow (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber
26)	6-7=-270, 7-8=-315, 13-21=-602 (F=-512 Drag: 3-15=-45, 8-13 Concentrated Loads (III	(unbalanced): Lumber ncrease=1.15 135, 4-5=-90, 5-6=-270, 8-10=-270, 13-18=-90,), 4-17=-45, 7-17=-45 3=-45	34)	Uniform Loads (lb/ft) Vert: 1-3=67, 3-4=40, 4-5=67 7-8=-4, 8-10=23, 13-18=-54, 4-17=-27, 7-17=-27 Horz: 1-5=-121, 6-10=77 Drag: 3-15=-45, 8-13=-45 Concentrated Loads (lb) Vert: 15=-1161 (B) Reversal: Dead + 0.6 MWFRS V Parallel: Lumber Increase=1.60,	13-21=-389 Vind (Pos. I	(F=-335), nternal) 2nd	0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumbe
27)	Floor: Lumber Increase Uniform Loads (lb/ft) Vert: 1-3=-225, 3-4= 6-7=-90, 7-8=-135, 8		35)	Uniform Loads (lb/ft) Vert: 1-3=23, 3-4=-4, 4-5=23, 7-8=40, 8-10=67, 13-18=-54, 4-17=-27, 7-17=-27 Horz: 1-5=-77, 6-10=121 Drag: 3-15=-45, 8-13=-45 Concentrated Loads (lb) Vert: 15=-1161 (B) Reversal: Dead + 0.6 MWFRS V	13-21=-389 Vind (Pos. I	(F=-335), nternal) 3rd	Increase=1.60, Plate Increase=1.33 Uniform Loads (lb/ft) Vert: 1-3=-130, 3-4=-175, 4-5=-130, 5-6=-197, 6-7=-164, 7-8=-209, 8-10=-164, 15-18=-90, 13-15=-360, 13-21=-541 (F=-451), 4-17=-45, 7-17=-45 Horz: 1-5=-53, 6-10=20 Drag: 3-15=-45, 8-13=-45 Concentrated Loads (lb) Vort: 16= 1218 (P)
28)	Vert: 15=-2090 (B) 4th Dead + 0.75 Roof I Floor: Lumber Increase Uniform Loads (lb/ft) Vert: 1-3=-90, 3-4=- 6-7=-225, 7-8=-270,	Live (unbalanced) + 0.75 Attic =1.15, Plate Increase=1.15 135, 4-5=-90, 5-6=-225, 8-10=-225, 15-18=-90, -673 (F=-583), 4-17=-45,		Parallel: Lumber Increase=1.60, Uniform Loads (lb/tt) Vert: 1-3=67, 3-4=40, 4-5=67 7-8=-4, 8-10=23, 13-18=-54, 4-17=-27, 7-17=-27 Horz: 1-5=-121, 6-10=77 Drag: 3-15=-45, 8-13=-45 Concentrated Loads (lb) Vert: 15=-1161 (B)	5-6=23, 6- 3-21=-389	7=23, (F=-335),	 Vert: 15=-1718 (B) 42) Reversal: Dead + 0.75 Snow (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumbe Increase=1.60, Plate Increase=1.33 Uniform Loads (lb/t) Vert: 1-3=-164, 3-4=-209, 4-5=-164, 5-6=-197, 6-7=-130, 7-8=-175, 8-10=-130, 15-18=-90, 13-15=-360, 13-21=-541 (F=-451), 4-17=-45, 7-17=-45 Horz: 1-5=-20, 6-10=53
29)	Concentrated Loads (Ik Vert: 15=-2090 (B) Reversal: Dead + 0.6 M		36)	Reversal: Dead + 0.6 MWFRS V Parallel: Lumber Increase=1.60, Uniform Loads (lb/ft) Vert: 1-3=23, 3-4=-4, 4-5=23, 7-8=40, 8-10=67, 13-18=-54, 4-17=-27, 7-17=-27 Horz: 1-5=-77, 6-10=121 Drag: 3-15=-45, 8-13=-45	Plate Incre 5-6=23, 6-7	ase=1.33 7=67,	 Drag: 3-15=-45, 8-13=-45 Concentrated Loads (lb) Vert: 15=-1718 (B) 43) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumbe Increase=1.60, Plate Increase=1.33 Uniform Loads (lb/ft)

Continued on page 4 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 **ANSUTPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job		Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
200	10112	A3	Attic Girder	2	3	Job Reference (optional)	E14115598
Carte	r Components (Sanford), Sa	nford, NC - 27332,				3 2020 MiTek Industries, Inc. Wed Feb 26 11:25:50 8?zxopwXaU56DJ6jz15SZYR?PQ9u0MzhHPV	Page: 4
	6-7=-199, 7-8=-244, 8	=-45					
,	Reversal: Dead + 0.75 I Floor + 0.75(0.6 MWFR Lumber Increase=1.60, Uniform Loads (lb/ft) Vert: 1-3=-199, 3-4=- 6-7=-266, 7-8=-311, 4	Roof Live (bal.) + 0.75 Attic S Wind (Neg. Int) Right): Plate Increase=1.33 244, 4-5=-199, 5-6=-172, 3-10=-266, 15-18=-90, 573 (F=-583), 4-17=-45,					
	7-17=-45 Horz: 1-5=-26, 6-10= Drag: 3-15=-45, 8-13 Concentrated Loads (Ib Vert: 15=-1799 (B)	=-45					
	Floor + 0.75(0.6 MWFR Lumber Increase=1.60, Uniform Loads (lb/ft) Vert: 1-3=-172, 3-4=- 6-7=-205, 7-8=-250, i 13-15=-360, 13-21=- 7-17=-45 Horz: 1-5=-53, 6-10= Drag: 3-15=-45, 8-13 Concentrated Loads (lb Vert: 15=-1799 (B)	217, 4-5=-172, 5-6=-205, 3-10=-205, 15-18=-90, 373 (F=-583), 4-17=-45, 20 =-45):				
,	Floor + 0.75(0.6 MWFR Lumber Increase=1.60, Uniform Loads (lb/ft) Vert: 1-3=-205, 3-4=- 6-7=-172, 7-8=-217, 3	250, 4-5=-205, 5-6=-205, 3-10=-172, 15-18=-90, 673 (F=-583), 4-17=-45, 53 =-45	ıl):				

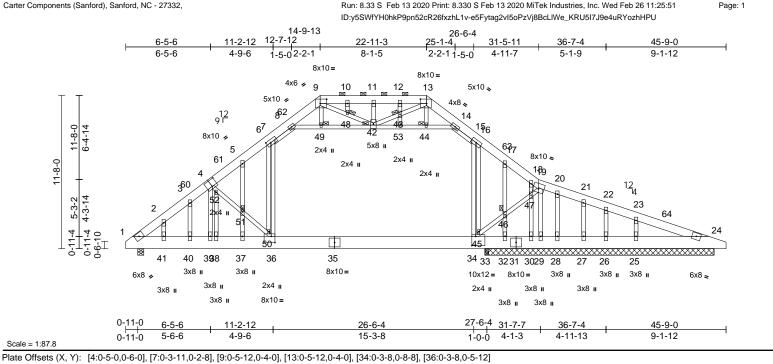
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	A4	Attic Structural Gable	1	1	Job Reference (optional)	E14115599

Run: 8.33 S Feb 13 2020 Print: 8.330 S Feb 13 2020 MiTek Industries, Inc. Wed Feb 26 11:25:51

Carter Components (Sanford), Sanford, NC - 27332,



Loading TCLL (roof) Snow (Pf/Pg)	(psf) 20.0 18.9/20.0	Spacing Plate Grip DOL Lumber DOL	2-0-0 1.15 1.15	CSI TC BC WB	0.52 0.30	DEFL Vert(LL) Vert(CT)	-0.21	34-36 34-36	l/defl >999 >999	L/d 240 180	PLATES MT20	GRIP 244/190	
TCDL BCLL BCDL	10.0 0.0* 10.0	Rep Stress Incr Code	YES IRC2015/TPI2014	Matrix-MSH	0.35	Horz(CT) Attic	0.02 -0.10	24 34-36	n/a >999	n/a 360	Weight: 541 lb	FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD	2x12 SP 2400F 2.0E 2x4 SP No.3 *Excep 8-14,36-4,7-36,15-3 2x4 SP No.3 *Excep No.2	t* 4,34-19:2x4 SP No.2 t* 45-16,50-6:2x4 Sf athing directly applie ept -0 max.): 9-13.	e o d or	1-2=-2461/87, 2-3= 3-60=-2354/163, 4 4-61=-2278/115, 5- 5-6=-2456/163, 6-7 7-8=-1655/245, 8-6 9-62=-781/195, 9-1 10-11=-918/246, 11 12-13=-918/246, 11 12-13=-918/246, 12 14-15=-1711/246, 16-63=-2329/171, 17-18=-2329/115, 19-20=-1363/90, 22 21-22=-1286/43, 22 1-22=-1286/43, 22 1-22=-	-60=-23 -61=-219 7=-2301/ 52=-821/ 10=-918/ 1-12=-9 3-14=-79 15-16=-2 17-63=-2 18-19=-12	48/173, 90/129, 211, 178, 246, 18/246, 92/197, 2119/197, 2479/159, 1878/87, 272/71,		WEBS		8-49=- 42-53: 14-44: 51-52: 36-50: 15-34: 46-47: 11-42: 16-45: 18-47: 20-28:	- -123/115, 19-29= -1490/95, 42-49= =-1689/97, 44-53 =-1671/94, 4-52= =-298/171, 50-51 =-354/284, 7-36= =0/746, 19-47=0/ =-316/81, 12-43= =0/454, 17-46=4 =-898/23, 30-47 =-363/42, 21-27= =-257/124, 10-48	-1495/96, =-1668/94, -330/184, =-340/181, -35/1051, 0/1095, 45-46=(1094, 22-26=-1- 15/255, 13-44= 20/67, 32-46=-4 -446/59, -127/66,	10/60, 0/146, 47/64,
JOINTS REACTIONS	· · ·	24=17-5-8, 25=17-5-	,	21-22=1280/43, 22 23-64=-1281/0, 24 1-41=-15/2015, 40 39-40=0/2016, 38-3 36-37=0/2016, 35-3 33-34=0/1265, 32-3	-64=-130 -41=0/20 39=0/20 36=0/18	09/0 016, 16, 37-38=0/20 65, 34-35=0/18	65,			6-50=- 38-52= 9-48=- 42-43=	-28/242, 5-51=-5 -28/242, 5-51=-5 -302/316, 42-48= =-104/356, 13-43 =-4/245	00/30, 37-51=-4 6/27, 2-41=-21/1 -273/284,	17/16,
	29=17-5-8 33=0-3-8 Max Horiz 1=-220 (L Max Uplift 25=-35 (L 27=-18 (L 33=-308 (Max Grav 1=1881 (L 27=206 (L 27=206 (L 29=617 (L	C 12), 26=-30 (LC 5 C 12), 32=-1544 (LC LC 43)	-5-8, 0), 2 21), 29), 6), 29), 48),	30-31=0/1265, 29- 27-28=0/1238, 26- 24-25=0/1238							ve loads have be	CAROL	line.
FORCES	(Ib) - Maximum Com Tension	pression/Maximum								IIIII.		36322 NEER. GILBE	A State

Continued on page 2 WARNING - Verify design parameters and KEAD NOTES ON THIS AND INCLUDED MITER KETERENCE PAGE MIT-14's rev. 10/04/2013 BETORE USE. Design valid for use only with MITER® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



February 26,2020

Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	A4	Attic Structural Gable	1	1	Job Reference (optional)	E14115599

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
- 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) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=18.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10, Lu=50-0-0
- Unbalanced snow loads have been considered for this design.
- 6) Provide adequate drainage to prevent water ponding.
- All plates are 3x6 MT20 unless otherwise indicated.
- 8) Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 10) Ceiling dead load (5.0 psf) on member(s). 7-8, 14-15, 8-49, 42-49, 42-53, 44-53, 14-44; Wall dead load (5.0psf) on member(s).7-36, 15-34
- 11) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 34-36
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1544 lb uplift at joint 32.
- One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1, 24, 29, 26, 30, 28, 27, 25, and 33. This connection is for uplift only and does not consider lateral forces.
- 14) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 15) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 16) This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.
- 17) Attic room checked for L/360 deflection.
- LOAD CASE(S) Standard

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 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, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



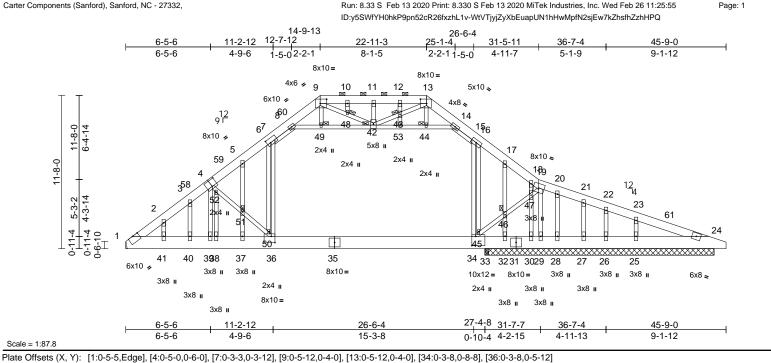
Run: 8.33 S Feb 13 2020 Print: 8.330 S Feb 13 2020 MiTek Industries, Inc. Wed Feb 26 11:25:51 ID:y5SWfYH0hkP9pn52cR26fxzhL1v-e5Fytag2vl5oPzVj8BcLIWe_KRU5I7J9e4uRYozhHPU

Page: 2

Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	A5	Attic Structural Gable	1	1	Job Reference (optional)	E14115600

Run: 8.33 S Feb 13 2020 Print: 8.330 S Feb 13 2020 MiTek Industries, Inc. Wed Feb 26 11:25:55

Carter Components (Sanford), Sanford, NC - 27332,



Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	1,	(psf) 20.0 8.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2015/TPI2014	CSI TC BC WB Matrix-MSH	0.58 0.31 0.37	DEFL Vert(LL) Vert(CT) Horz(CT) Attic	-0.25 0.03	(loc) 34-36 34-36 24 34-36	l/defl >999 >999 n/a >999		PLATES MT20 Weight: 541 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD	2x4 SP No 8-14,36-4 2x4 SP No No.2 Structural 6-0-0 oc p 2-0-0 oc p	2400F 2.0E 0.3 *Excep 7-36,15-34 0.3 *Excep wood shea purlins, exc purlins (6-0	t* 4,34-19:2x4 SP No.: t* 45-16,50-6:2x4 S athing directly applie	P ed or	1-2=-2970/118, 2-3 3-58=-2880/192, 4 4-59=-2531/129, 5 5-6=-2678/175, 6-7 7-8=-1784/252, 8-6 9-60=-781/195, 9-1 10-11=-891/244, 13 10-11=-891/244, 13 14-15=-1849/253, 16 16-17=-2696/183, 18-19=-2048/96, 11 20-21=-1386/77, 2	-58=-28; -59=-24; 7=-2590, 60=-821, 10=-891, 1-12=-8; 3-14=-7; 15-16=-; 17-18=-; 9-20=-1; 1-22=-1;	27/202, 33/143, 226, 178, 244, 91/244, 34/196, 3304/207, 2538/127, 486/96, 401/49,		WEBS		8-49= 42-53 14-44 51-52 36-50 15-34 46-47 11-42 16-45 18-47 20-28	=0/814, 19-47=0, =-338/82, 12-43= =0/507, 17-46=-4 =-972/27, 30-47= =-390/44, 21-27=)=-1661/105, ;;3=-1866/105, ;2=-705/210, =-721/206, -50/1321, =0/1203, 45-46=0/822, /1192, 22-26=-110/60, -0/284, 13-44=0/159, 132/68, 32-46=-457/64, -481/61, -127/66,
JOINTS	bracing.	t Jt(s): 42,		BOT CHORD	22-23=-1418/23, 23 24-61=-1424/0 1-41=-15/2506, 40 39-40=-12/2506, 3	-41=-12/ 8-39=-1:	2505, 3/2508,				6-50= 37-51 2-41=	-123/161, 5-51=- =-327/11, 38-52= -100/76, 9-48=-3	82/21, 3-40=0/91, 52/284,
REACTIONS	(size) Max Horiz Max Uplift	25=17-5-8 28=17-5-8 32=17-5-8 1=-224 (Ll 25=-35 (Ll 27=-18 (Ll 33=-384 (l 1=1908 (L 25=525 (L 27=207 (L 29=680 (L	C 12), 26=-32 (LC 5 C 12), 32=-1585 (LC	-5-8, 0), 2 21), 29), 6), 29), 48),	37-38=-13/2508, 3 35-36=0/2031, 34- 32-33=0/1377, 31- 29-30=0/1377, 28- 26-27=0/1348, 25-	35=0/20 32=0/13 29=0/13	31, 33-34=0/1 77, 30-31=0/1 48, 27-28=0/1	1377, 1348,	2-41=-100/76, 9-48=-352/2 42-48=-318/256, 42-43=-1 13-43=-121/385, 43-53=-6 NOTES 1) Unbalanced roof live loads have been this design.			B=-6/273	
FORCES	(lb) - Max Tension	,	pression/Maximum								the state of the s	03	36322

A. GILDIN February 26,2020

A. GILB

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818 Soundside Road Edenton, NC 27932

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In ted on page 2 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 MIS/TPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	A5	Attic Structural Gable	1	1	Job Reference (optional)	E14115600

- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
- 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) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=18.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10, Lu=50-0-0
- 5) Unbalanced snow loads have been considered for this design.
- 6) Provide adequate drainage to prevent water ponding.
- 7) All plates are 3x6 MT20 unless otherwise indicated.
- 8) Gable studs spaced at 2-0-0 oc.
- 9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 10) Ceiling dead load (5.0 psf) on member(s). 7-8, 14-15, 8-49, 42-49, 42-53, 44-53, 14-44; Wall dead load (5.0psf) on member(s).7-36, 15-34
- 11) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 34-36
- 12) Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1585 lb uplift at joint 32.
- 14) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 24, 29, 26, 30, 28, 27, 25, and 33. This connection is for uplift only and does not consider lateral forces.
- 15) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 16) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 17) This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.
 18) Attic room checked for L/360 deflection.
- LOAD CASE(S) Standard

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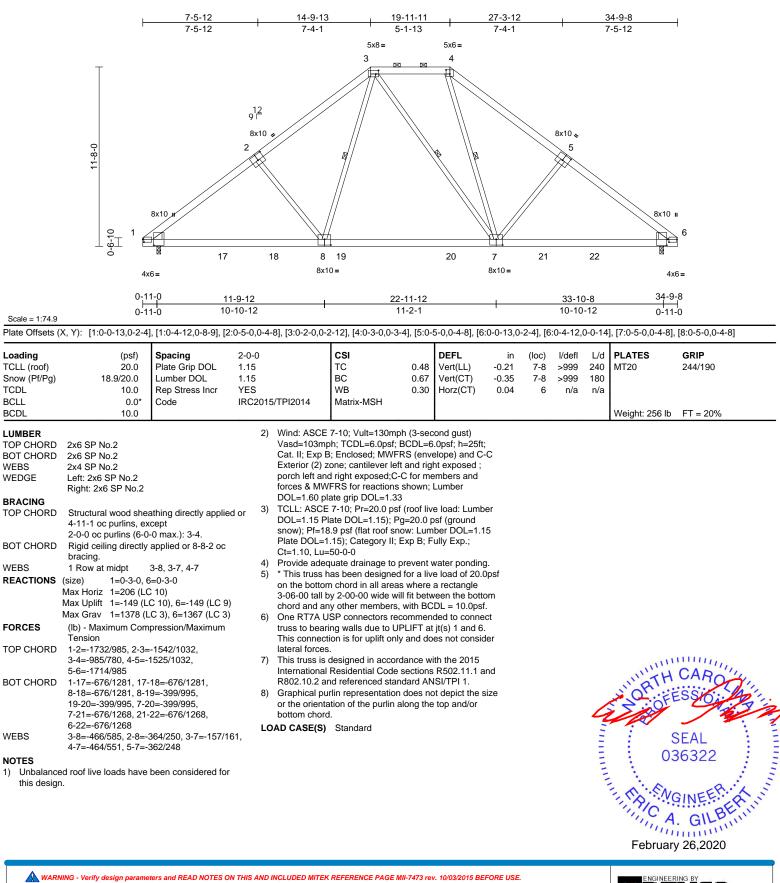
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Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	B1	Piggyback Base	3	1	Job Reference (optional)	E14115601

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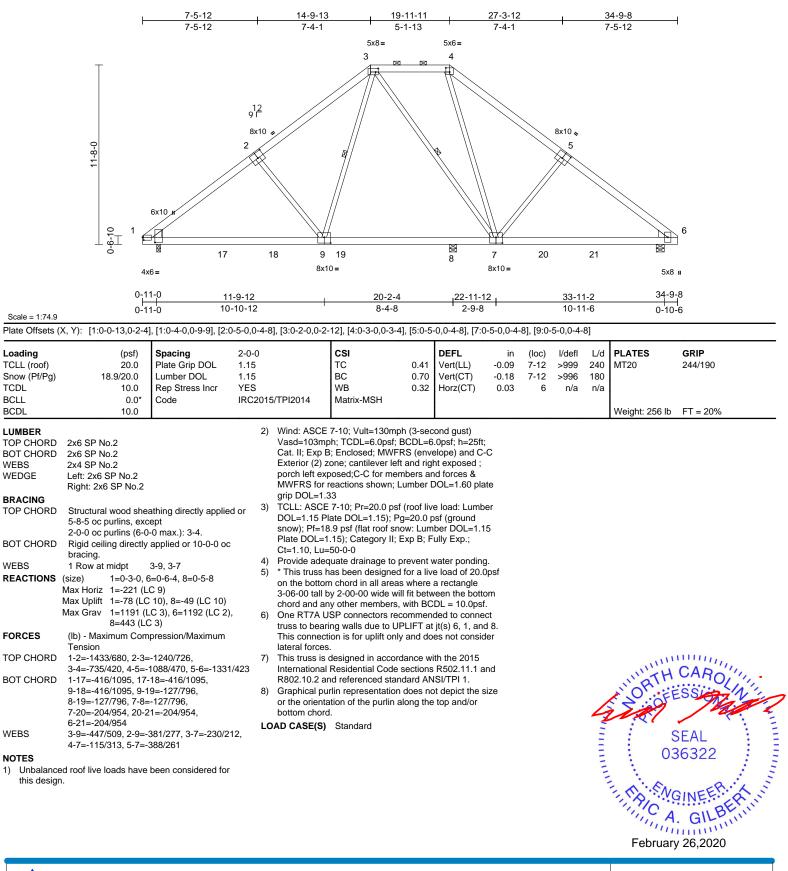
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLODED MITER REFERENCE PAGE MIT-1473 rev. 10/03/2015 BEFORE USE. Design valid for use only with MiTeRky connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before 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 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/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 2214.

Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	B2	Piggyback Base	6	1	Job Reference (optional)	E14115602

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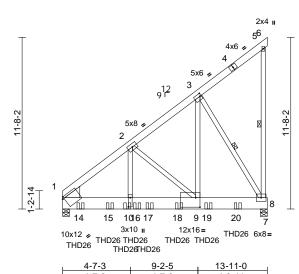
Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	B3	Monopitch Girder	1	2	Job Reference (optional)	E14115603

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Page: 1



4-7-3

4-8-11

4-7-3

Scale = 1:78.4

Plate Offsets (X, Y): [1:0-1-4,0-1-8], [3:0-1-0,0-2-4], [9:0-3-8,0-7-12], [10:0-7-8,0-1-8]

Plate Olisets	(A, f). [1.0-1-4,0-1-6],	[3:0-1-0,0-2-4], [9:0-3-8	,0-7-12], [10.0-7-8,0-	i-oj								
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 13.9/20.0 10.0 0.0* 10.0	Plate Grip DOL1.Lumber DOL1.Rep Stress IncrN	-11-4 .15 .15 O RC2015	5/TPI2014	CSI TC BC WB Matrix-MSH	0.62 0.36 0.94	Vert(CT)	in -0.08 -0.15 0.02	(loc) 9-10 9-10 8	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 302 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS WEDGE BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x10 SP 2400F 2.0E 2x4 SP No.2 Left: 2x10 SP No.2 Structural wood shea 4-8-15 oc purlins, ex Rigid ceiling directly bracing. 1 Row at midpt	athing directly applied or ccept end verticals. applied or 10-0-0 oc 5-8, 3-8 8=0-5-8 2 9)	4)	Vasd=103mp Cat. II; Exp E DOL=1.60 pl TCLL: ASCE DOL=1.15 Pl snow); Pf=13 Plate DOL=1 Ct=1.10 * This truss h on the bottom 3-06-00 tall b chord and ar One RT7A U	7-10; Vult=130mp bh; TCDL=6.0psf; E s; Enclosed; MWFF ate grip DOL=1.33 7-10; Pr=20.0 psf ate DOL=1.15); Pg b.9 psf (flat roof sm .15); Category II; E has been designed in chord in all areas y 2-00-00 wide will y other members. SP connectors rec pa welle due to U	BCDL=6 RS (envi- (roof liv g=20.0 p ow: Lum Exp B; F for a liv s where Il fit betw	.0psf; h=25ft elope); Lumb ssf (ground ber DOL=1.1 ully Exp.; e load of 20.0 a rectangle veen the bott ded to conne	er ber 15 Opsf om ect					
FORCES					ng walls due to UF ion is for uplift only								
TOP CHORD BOT CHORD	1-2=-7968/0, 2-3=-4 4-5=-59/51, 5-6=-8/0 1-14=-137/6186, 14-	, 5-8=-111/68		International R802.10.2 ar	designed in accorc Residential Code : nd referenced stan D26 (With 18-16d	sections dard AN	R502.11.1 a ISI/TPI 1.	and					
WEBS	,	=0/6186, 9-19=0/3315, =0/3315, 7-8=0/0	, 0)	12-10d x 1-1, 2-0-0 oc max	/2 nails into Truss) a. starting at 1-2-9 to nnect truss(es) to	or equi	valent space	d at				IN ORTH	CARO
NOTES	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		9)		les where hanger	is in cor	tact with lum	ber.			/	N' S Site	SSI AND ST
 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: 2x10 - 2 rows staggered at 0-4-0 oc. Web connected as follows: 2x4 - 1 row at 0-9-0 oc. All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated. 			LO 1)	Increase=1. Uniform Loa Vert: 1-5: Concentrate Vert: 10= 16=-1630	w (balanced): Lun 15	1=-19 18 (B), 1), 18=-1	5=-1018 (B)				Comments.	03 	SEAL B6322

February 26,2020

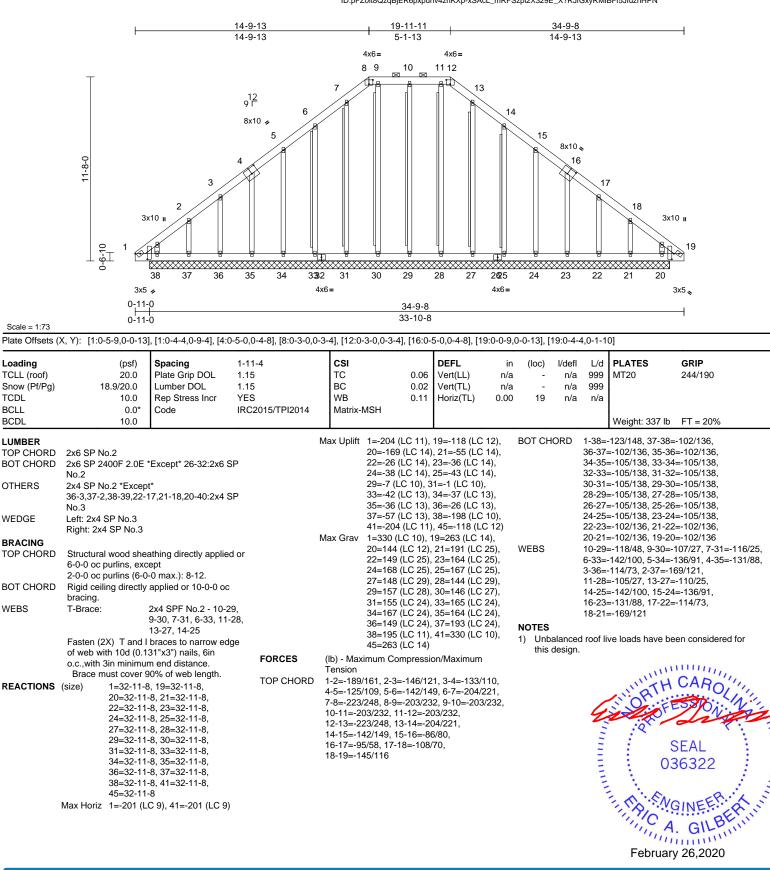
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 safe truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	B4	Piggyback Base Supported Gable	1	1	Job Reference (optional)	E14115604

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ontinued on page 2 • Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE. WAR Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not being real of the set only water the building designer must verify the subject of building designer much 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 **ANS/TP11 Quality Criteria, DSB-89 and BCSI Building Component** fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Qua Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	B4	Piggyback Base Supported Gable	1	1	Job Reference (optional)	E14115604

- Wind: ASCE 7-10: Vult=130mph (3-second gust) 2) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II: Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
- 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.
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber 4) DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=18.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10, Lu=50-0-0
- Provide adequate drainage to prevent water ponding. 5)
- 6) All plates are 2x4 MT20 unless otherwise indicated.
- 7) Gable studs spaced at 2-0-0 oc. 8)
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- One RT7A USP connectors recommended to connect 9) truss to bearing walls due to UPLIFT at jt(s) 1, 19, 29, 30, 31, 33, 34, 35, 36, 37, 38, 28, 27, 25, 24, 23, 22, 21, 20, and 19. This connection is for uplift only and does not consider lateral forces.
- 10) Non Standard bearing condition. Review required.
- 11) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 13) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S) Standard

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Page: 2

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Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	C1	Attic	5	1	Job Reference (optional)	E14115605

Loading

TCDL

BCLL

BCDL

WEBS

WEDGE

WFBS

JOINTS

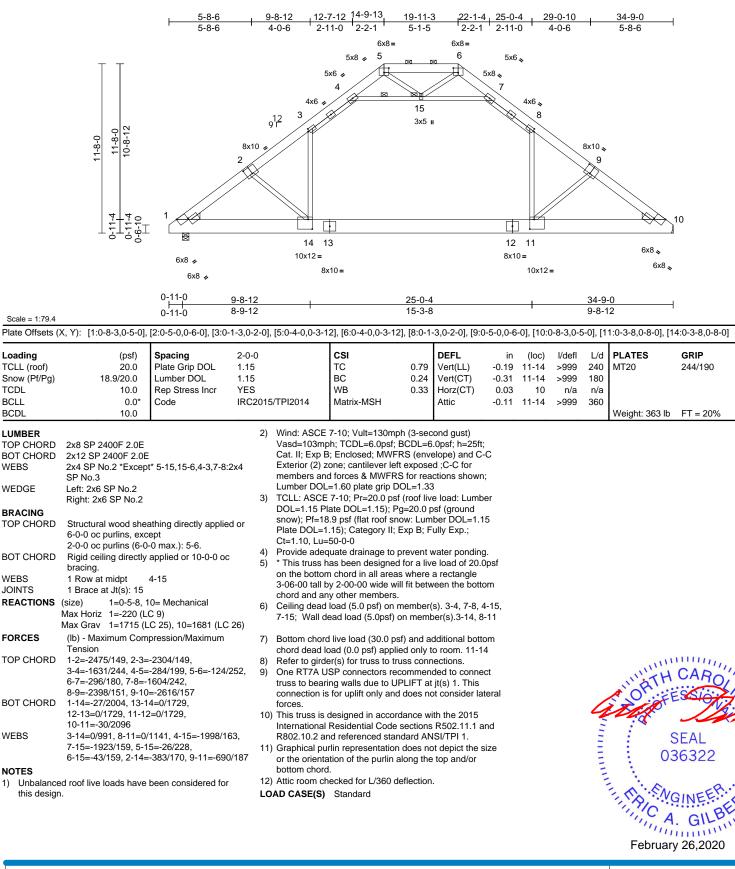
WEBS

NOTES

1)

Run: 8.33 S. Feb 13 2020 Print: 8.330 S Feb 13 2020 MiTek Industries. Inc. Wed Feb 26 11:25:59 ID:zplK?WOXsAyhNdbJd5idmbzhKTd-Pek_YKm40m5gNC6FctlD4C_I6gEnAaNKUJqsqKzhHPM

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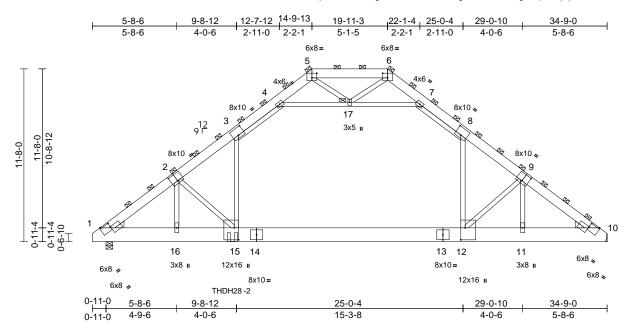
🙏 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not being read to devolve with the evolution of the boots in the design is based only door 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/TP11 Quality Criteria, DSB-89 and BCSI Building Component** fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Qua Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	C2	Attic Girder	12	3	Job Reference (optional)	E14115606

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Scale = 1:77.8 [1:0-7-4,0-1-0], [1:0-7-4,0-4-4], [2:0-5-0,0-6-0], [3:0-5-0,0-5-12], [5:0-4-0,0-3-12], [6:0-4-0,0-3-12], [8:0-5-0,0-5-12], [9:0-5-0,0-6-0], [10:0-7-4,0-1-0], [10:0-7-4,0-4-4], [2:0-5-0,0-6-0], [10:0-7-4,0-6-0] Plate Offsets (X, Y): [12:0-9-12,0-3-8], [15:0-9-12,0-3-8]

Loading(psf) TCLL (roof)Spacing $6-7-0$ CSITCLL (roof)20.0Plate Grip DOL1.15TCSnow (Pf/Pg)18.9/20.0Lumber DOL1.15BCTCDL10.0Rep Stress IncrNOWBBCLL0.0*CodeIRC2015/TPI2014WBBCDL10.0IRC2015/TPI2014Matrix-MSLUMBER10.010.010.010.010.0LUMBER10.010.010.010.010.0LUMBER10.02x12 SP 2400F 2.0E10.010.0BOT CHORD2x4 SP No.3 *Except* 3-15,8-12,4-7:2x4 SP No.210.3-ply truss to be connect follows:10.9-0 oc.WEDGELeft: 2x6 SP No.2 Right: 2x6 SP No.210.0-0 oc.Web connected as followBRACING TOP CHORD2-0-0 oc purlins (6-0-0 max.) (Switched from sheeted: Spacing > 2-8-0).20All loads are considered except if noted as front (CASE(S) section. Ply to provided to distribute on unless otherwise indicatuJOINTS1 Brace at Jt(s): 5, 6, 173.Unbalanced roof live load this design.		Vert(CT) Horz(CT) Attic	-0.42 0.04 -0.11	(loc) 12-15 12-15 10 12-15	l/defl >999 >971 n/a >999	L/d 240 180 n/a 360	PLATES MT20	GRIP 244/190
TCDL10.0 BCLLRep Stress Incr CodeNO IRC2015/TPI2014WB Matrix-MSBCDL10.0CodeIRC2015/TPI2014WB Matrix-MSLUMBER TOP CHORD2x8 SP 2400F 2.0E SOT CHORD1)3-ply truss to be connect follows:1)BOT CHORD2x12 SP 2400F 2.0E No.21)3-ply truss to be connect follows:1)WEDGELeft: 2x6 SP No.3 *Except* 3-15,8-12,4-7:2x4 SP No.21)3-ply truss to be connect follows:Top chords connected at staggered at 0-9-0 oc. Web connected as followBRACING TOP CHORD2-0-0 oc purlins (6-0-0 max.) (Switched from sheeted: Spacing > 2-8-0). BOT CHORD2-0-0 oc purlins (6-0-0 max.) (Switched from sheeted: Spacing > 2-8-0). BOT CHORD2BOT CHORD Dracing.1 Brace at Jt(s): 5,3)Unbalanced roof live load this design	0.51 SH	Horz(CT) Attic	0.04 -0.11	10	n/a	n/a		
BCLL 0.0* Code IRC2015/TPI2014 Matrix-MS BCDL 10.0 10.0 10.0 10.0 10.0 10.0 LUMBER 10.0 3-ply truss to be connect follows: 10.0 3-ply truss to be connect follows: 10.0 TOP CHORD 2x8 SP 2400F 2.0E 10.0 10.0 10.0 10.0 10.0 WEBS 2x4 SP No.3 *Except* 3-15,8-12,4-7:2x4 SP No.2 10.0 1		Attic	-0.11					
LUMBER 1) 3-ply truss to be connect follows: TOP CHORD 2x8 SP 2400F 2.0E BOT CHORD 2x12 SP 2400F 2.0E WEBS 2x4 SP No.3 *Except* 3-15,8-12,4-7:2x4 SP No.2 WEDGE Left: 2x6 SP No.2 Right: 2x6 SP No.2 BRACING 2-0-0 oc purlins (6-0-0 max.) (Switched from sheeted: Spacing > 2-8-0). BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. JOINTS 1 Brace at Jt(s): 5,	ed together w	/ith WS45 as						
TOP CHORD2x8 SP 2400F 2.0Efollows:BOT CHORD2x12 SP 2400F 2.0ETop chords connected a:WEBS2x4 SP No.3 *Except* 3-15,8-12,4-7:2x4 SPNo.2WEDGELeft: 2x6 SP No.2Bottom chords connected a:BRACINGrop CHORD2-0-0 oc purlins (6-0-0 max.)Web connected as follows:TOP CHORD2-0-0 oc purlins (6-0-0 max.)All loads are consideredBOT CHORD2-0-0 oc purlins (6-0-0 max.)CASE(S) section. Ply toBOT CHORD2-0-0 oc purling directly applied or 10-0-0 oc bracing.Diracing.JOINTS1 Brace at Jt(s): 5,3)	ted together w	/ith WS45 as					Weight: 1118 lb	5 FT = 20%
c, 17 4) Wind: ASCE 7-10; Vult= Vasd=103mph; TCDL=6 (Max Horiz 1=-723 (LC 29) (Max Grav 1=7049 (LC 3), 10=8123 (LC 44) FORCES (lb) - Maximum Compression/Maximum Tension 4) Wind: ASCE 7-10; Vult= Vasd=103mph; TCDL=6 (Lat II; Exp B; Enclosed; left and right exposed ; e exposed; Lumber DOL= TOP CHORD 1-2=-8889/0, 2-3=-9907/0, 3-4=-6626/0, 4-5=-594/1133, 5-6=0/1405, 6-7=-573/1058, 7-8=-6574/0, 8-9=-10108/0, 9-10=-11719/0 5) TCLL: ASCE 7-10; Pr=2t DOL=1.15 Plate DOL=1 BOT CHORD 1-16=-303/7246, 15-16=0/7180, 11-12=0/9495, 10-11=0/9462 5) TCLL: ASCE 7-10; Pr=2t DOL=1.15 Plate DOL=1 WEBS 3-15=0/4856, 8-12=0/5395, 4-17=-8643/0, 7-17=-8462/0, 5-17=-14/844, 6-17=-180/630, 2-16=-3147/19 6) Provide adequate draina 3-06-00 tall by 2-00-00 w chord and any other mer B NOTES 9) Bottom chord live load (5.0 ps 7-17; Wall dead loa	d as follows: 2 ws: 2x4 - 1 row equally applie F) or back (B) ply connectior ly loads noted ed. ds have been 130mph (3-see 0.0psf; BCDL=ne mod vertical left 1.60 plate grip 0.0 psf (roof lix 1.5); Pg=20.0 1 roof snow: Lun ory II; Exp B; F age to prevent usigned for a liw II areas where vide will fit betw mbers. sf) on member .0psf) on mem	- 2 rows 2x12 - 2 rows v at 0-9-0 oc. ed to all plies, face in the LO. ns have been l as (F) or (B), considered for cond gust) 6.0psf; h=25ft; velope); cantiler ft and right o DOL=1.33 ve load: Lumber psf (ground mber DOL=1.15 Fully Exp.; water ponding, ve load of 20.0[e a rectangle ween the botto r(s). 3-4, 7-8, 4- bber(s).3-15, 8- additional botto to room. 12-15	AD ver 5 psf m -17, 12 m	trus coni forc 12) This Inte R80 13) Loa 15, 30, 45, revi inte 14) Gra or tt bott 15) Use 4-16 left cho	s to bea nection i es. s truss is rnationa)2.10.2 a d case(s 16, 17, ' 31, 32, ' 46 has/f ew loads nded us phical p hical p hical p hical p e orient om chor USP TI 6d nails end to c rd. all nail h	ring was is for up clessing l Resid and refe s) 1, 2, 18, 19, 33, 34, 18, 19, 33, 34, 18, 19, 33, 34, 14, 14, 19, 18, 19, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10	onnectors recom alls due to UPLIF plift only and doe ned in accordance dential Code sect erenced standare 3, 4, 5, 6, 7, 8, 9 20, 21, 22, 23, 2 35, 36, 37, 38, 3 een modified. But ify that they are s truss. presentation doe of the purlin along 3-2 (With 36-16d uss) or equivaler truss(es) to bac here hanger is in	mended to connect T at jt(s) 1. This as not consider lateral ce with the 2015 tions R502.11.1 and d ANSI/TPI 1. b, 10, 11, 12, 13, 14, 24, 25, 26, 27, 28, 29, 39, 40, 41, 42, 43, 44, ilding designer must correct for the es not depict the size

February 26,2020

818 Soundside Road Edenton, NC 27932

Continued on page 2 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE MIT-1473 rev. 10/03/2015 BEFORE USE. Design valid for use only with MITER® 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 **ANS/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

Jo)	Truss	Truss Typ	De	Qty	Ply	MIKE S	HEAN / FRANK RESIDENCE
	010112	C2	Attic Gir		2	3		E14115606
	er Components (Sanford), S					-		erence (optional) ek Industries, Inc. Wed Feb 26 11:25:59 Page: 2
								VC6FctlD4C_K9gDsAipKUJqsqKzhHPM
	Attic room checked for L AD CASE(S) Standard Dead + Snow (balance Increase=1.15		ate	Vert: 3-20=-40, 3-4=-73, 4-5=- 7-8=-138, 8-10=-106, 1-12=-6 (F=-134), 4-17=-33, 7-17=-33 Horz: 5-20=-25, 6-10=-40			16)	Vert: 15=-1042 (B) Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (lb/ft) Vert: 3-20=-66, 3-4=-99, 4-5=-66, 5-6=-66, 6-7=-66,
	Uniform Loads (lb/ft) Vert: 3-20=-157, 3-4 6-7=-157, 7-8=-190, 10-12=-200 (F=-134 Drag: 3-15=-33, 8-12 Concentrated Loads (ll		9)	Drag: 3-15=-33, 8-12=-33 Concentrated Loads (lb) Vert: 15=410 (B) Dead + 0.6 MWFRS Wind (Pos. Lumber Increase=1.60, Plate Inc Uniform Loads (lb/ft) Vert: 3-20=49, 3-4=29, 4-5=49	rease=1.33	5	17)	7-8=-99, 8-10=-66, 1-15=-66, 12-15=-263, 10-12=-386 (F=-320), 4-17=-33, 7-17=-33 Drag: 3-15=-33, 8-12=-33 Concentrated Loads (lb) Vert: 15=-1042 (B) Dead + 0.75 Snow (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60,
2)	Plate Increase=1.15 Uniform Loads (lb/ft) Vert: 3-20=-198, 3-4 6-7=-198, 7-8=-230, 10-12=-200 (F=-134 Drag: 3-15=-33, 8-12		10)	7-8=-3, 8-10=16, 1-12=-40, 10 4-17=-20, 7-17=-20 Horz: 5-20=-89, 6-10=56 Drag: 3-15=-33, 8-12=-33 Concentrated Loads (Ib) Vert: 15=384 (B) Dead + 0.6 MWFRS Wind (Pos.	-12=-174 (I	F=-134), d Parallel:		Plate Increase=1.33 Uniform Loads (Ib/ft) Vert: 3-20=-164, 3-4=-197, 4-5=-164, 5-6=-120, 6-7=-115, 7-8=-148, 8-10=-115, 1-15=-66, 12-15=-214, 10-12=-339 (F=-274), 4-17=-33, 7-17=-33 Horz: 5-20=30, 6-10=19 Drag: 3-15=-33, 8-12=-33
3)	Lumber Increase=1.15 Uniform Loads (lb/ft) Vert: 3-20=-165, 3-4 6-7=-165, 7-8=-198, 12-15=-214, 10-12=	(balanced) + 0.75 Attic Floor:		Lumber Increase=1.60, Plate Inc Uniform Loads (lb/ft) Vert: 3-20=16, 3-4=-3, 4-5=16 7-8=29, 8-10=49, 1-12=-40, 10 4-17=-20, 7-17=-20 Horz: 5-20=-56, 6-10=89 Drag: 3-15=-33, 8-12=-33 Concentrated Loads (lb)	5-6=16, 6-	7=49,	18)	Concentrated Loads (lb) Vert: 15=219 (B) Dead + 0.75 Snow (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.33 Uniform Loads (lb/ft) Vert: 3-20=-115, 3-4=-148, 4-5=-115, 5-6=-120,
4)	Lumber Increase=1.15 Uniform Loads (lb/ft) Vert: 3-20=-134, 3-4 6-7=-134, 7-8=-167,	b) lanced) + 0.75 Attic Floor:	11)	Vert: 15=384 (B) Dead + 0.6 MWFRS Wind (Pos. Lumber Increase=1.60, Plate Inc Uniform Loads (lb/ft) Vert: 3-20=49, 3-4=29, 4-5=48 7-8=-3, 8-10=16, 1-12=-40, 10 4-17=-20, 7-17=-20 Horz: 5-20=-89, 6-10=56 Drag: 3-15=-33, 8-12=-33 Concentrated Loads (lb) Vert: 15=384 (B)	rease=1.33 , 5-6=16, 6	-7=16,	19)	6-7=-164, 7-8=-197, 8-10=-164, 1-15=-66, 12-15=-214, 10-12=-339 (F=-274), 4-17=-33, 7-17=-33 Horz: 5-20=-19, 6-10=-30 Drag: 3-15=-33, 8-12=-33 Concentrated Loads (Ib) Vert: 15=219 (B) Dead + 0.75 Snow (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.33 Uniform Loads (Ib/tt)
5)	Drag: 3-15=-33, 8-12 Concentrated Loads (II Vert: 15=-1384 (B) Dead + 0.6 MWFRS W Increase=1.60, Plate In Uniform Loads (Ib/ft) Vert: 3-20=-43, 3-4= 7-8=3, 8-10=23, 1-1 4-17=-20, 7-17=-20	b) /ind (Pos. Internal) Left: Lumb hcrease=1.33 e-62, 4-5=-43, 5-6=49, 6-7=23, 2=-40, 10-12=-174 (F=-134),	12) er	Vert: 15=334 (b) Dead + 0.6 MWFRS Wind (Pos. Lumber Increase=1.60, Plate Inc Uniform Loads (lb/ft) Vert: 3-20=16, 3-4=-3, 4-5=16 7-8=29, 8-10=49, 1-12=-40, 10 4-17=-20, 7-17=-20 Horz: 5-20=-56, 6-10=89 Drag: 3-15=-33, 8-12=-33 Concentrated Loads (lb)	rease=1.33 , 5-6=16, 6-	-7=49,	20)	Vert: 3-20=-95, 3-4=-128, 4-5=-95, 5-6=-144, 6-7=-120, 7-8=-153, 8-10=-120, 1-15=-66, 12-15=-214, 10-12=-339 (F=-274), 4-17=-33, 7-17=-33 Horz: 5-20=-39, 6-10=15 Drag: 3-15=-33, 8-12=-33 Concentrated Loads (lb) Vert: 15=219 (B) Dead + 0.75 Snow (bal.) + 0.75 Attic Floor + 0.75(0.6
6)	Lumber Increase=1.60 Uniform Loads (lb/ft) Vert: 3-20=23, 3-4=3	2=-33 b) /ind (Pos. Internal) Right:	13)),	Vert: 15=384 (B) Dead + 0.6 MWFRS Wind (Neg. Lumber Increase=1.60, Plate Inc Uniform Loads (lb/ft) Vert: 3-20=-14, 3-4=-47, 4-5=- 7-8=-79, 8-10=-46, 1-12=-66, 4-17=-33, 7-17=-33 Horz: 5-20=-52, 6-10=19 Drag: 3-15=-33, 8-12=-33 Concentrated Loads (lb)	rease=1.33 14, 5-6=-46	6, 6-7=-46,		MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.33 Uniform Loads (lb/ft) Vert: 3-20=-120, 3-4=-153, 4-5=-120, 5-6=-144, 6-7=-95, 7-8=-128, 8-10=-95, 1-15=-66, 12-15=-214, 10-12=-339 (F=-274), 4-17=-33, 7-17=-33 Horz: 5-20=-15, 6-10=39 Drag: 3-15=-33, 8-12=-33 Concentrated Loads (lb) Vert: 15=219 (B)
7)	Increase=1.60, Plate Ir Uniform Loads (lb/ft) Vert: 3-20=-106, 3-4	2=-33 b) /ind (Neg. Internal) Left: Lumb		Vert: 15=410 (B)	rease=1.33 46, 5-6=-46	6, 6-7=-14,	,	Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75 (0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.33 Uniform Loads (lb/ft) Vert: 3-20=-194, 3-4=-227, 4-5=-194, 5-6=-126, 6-7=-146, 7-8=-178, 8-10=-146, 1-15=-66, 12-15=-214, 10-12=-339 (F=-274), 4-17=-33, 7-17=-33 Horz: 5-20=30, 6-10=19 Decrea 45, 200, 400, 200
8)	(F=-134), 4-17=-33, Horz: 5-20=40, 6-10 Drag: 3-15=-33, 8-1: Concentrated Loads (III Vert: 15=410 (B) Dead + 0.6 MWFRS W Lumber Increase=1.60 Uniform Loads (Ib/ft)	⊨25 2=-33 b) /ind (Neg. Internal) Right:	15)	Concentrated Loads (lb) Vert: 15=410 (B)	66, 5-6=-66 12-15=-263	6, 6-7=-66, ,	22)	Drag: 3-15=-33, 8-12=-33 Concentrated Loads (lb) Vert: 15=219 (B) Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75 (0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.33 Uniform Loads (lb/ft)

Continued on page 3 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 **ANSUTPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

Concentrated Loads (lb)



Job		Truss	Truss Typ	pe	Qty	Ply	MIKE SHEAN / FRANK RES	
20	010112	C2	Attic Gire	der	2	3	Job Reference (optional)	E14115606
Cart	er Components (Sanford), Sa	anford, NC - 27332,	•				2020 MiTek Industries, Inc. Wed F	0
	6-7=-194, 7-8=-227,		30)	ID:1h677HUoepW_x(Horz: 5-20=3, 6-10=62 Drag: 3-15=-33, 8-12=-33 Concentrated Loads (Ib) Vert: 15=-839 (B) Reversal: Dead + 0.6 MWFRS W Right: Lumber Increase=1.60, Pla	ind (Pos. In	ternal)	Parallel: Lumber Ind Uniform Loads (Ib/ff Vert: 3-20=-14, 3	.6 MWFRS Wind (Neg. Internal) 1st crease=1.60, Plate Increase=1.33 t) -4=-47, 4-5=-14, 5-6=-46, 6-7=-46, 6, 1-12=-66, 10-12=-200 (F=-134),
23)	(0.6 MWFRS Wind (Ne Increase=1.60, Plate In Uniform Loads (Ib/ft)	(bal.) + 0.75 Attic Floor + 0.75 g. Int) 1st Parallel): Lumber	5	Uniform Loads (lb/ft) Vert: 3-20=23, 3-4=3, 4-5=23, 7-8=-62, 8-10=-43, 1-12=-40, 4 4-17=-20, 7-17=-20 Horz: 5-20=-62, 6-10=-3 Drag: 3-15=-33, 8-12=-33	,	,	2nd Parallel: Lumbe	8-12=-33 s (lb)
24)	6-7=-150, 7-8=-183, 12-15=-214, 10-12=- 7-17=-33 Horz: 5-20=-39, 6-10 Drag: 3-15=-33, 8-12 Concentrated Loads (It Vert: 15=219 (B)	8-10=-150, 1-15=-66, 339 (F=-274), 4-17=-33,)=15 2=-33))		Concentrated Loads (lb) Vert: 15=-839 (B) Reversal: Dead + 0.6 MWFRS W Left: Lumber Increase=1.60, Plat Uniform Loads (lb/ft) Vert: 3-20=-106, 3-4=-138, 4-5 6-7=-40, 7-8=-73, 8-10=-40, 1- (F=-134), 4-17=-33, 7-17=-33	e Increase= =-106, 5-6=	:1.33 :-14,	7-8=-47, 8-10=-1 4-17=-33, 7-17=- Horz: 5-20=-19, 6 Drag: 3-15=-33, 8 Concentrated Loads	-4=-79, 4-5=-46, 5-6=-46, 6-7=-14, 4, 1-12=-66, 10-12=-200 (F=-134), 33 6-10=52 8-12=-33 s (lb)
24)	(0.6 MWFRS Wind (Ne Increase=1.60, Plate In Uniform Loads (lb/ft) Vert: 3-20=-150, 3-4 6-7=-126, 7-8=-159,	=-183, 4-5=-150, 5-6=-150, 8-10=-126, 1-15=-66, 339 (F=-274), 4-17=-33,		Horz: 5-20=40, 6-10=25 Drag: 3-15=-33, 8-12=-33 Concentrated Loads (lb) Vert: 15=-812 (B) Reversal: Dead + 0.6 MWFRS W Right: Lumber Increase=1.60, Pla Uniform Loads (lb/ft) Vert: 3-20=-40, 3-4=-73, 4-5=- 7-8=-138, 8-10=-106, 1-12=-6f	ate Increase 40, 5-6=-14	e=1.33 [°] , 6-7=-106,	0.75(0.6 MWFRS W Increase=1.60, Plat Uniform Loads (lb/ft Vert: 3-20=-164, 6-7=-115, 7-8=-1	.75 Snow (bal.) + 0.75 Attic Floor + Vind (Neg. Int) Left): Lumber te Increase=1.33
25)	6-7=-66, 7-8=-99, 8- (F=-134), 4-17=-33, Drag: 3-15=-33, 8-12)) unbalanced): Lumber icrease=1.15 =-230, 4-5=-198, 5-6=-198, 10=-66, 1-12=-66, 10-12=-200 7-17=-33 2=-33	,	(F=-134), 4-17=-33, 7-17=-33 Horz: 5-20=-25, 6-10=-40 Drag: 3-15=-33, 8-12=-33 Concentrated Loads (lb) Vert: 15=-812 (B) Reversal: Dead + 0.6 MWFRS W Parallel: Lumber Increase=1.60, Uniform Loads (lb/ft) Vert: 3-20=49, 3-4=29, 4-5=49 7-8=-3, 8-10=16, 1-12=-40, 10	ind (Pos. In Plate Increa , 5-6=16, 6-	ternal) 1st ise=1.33 7=16,	0.75(0.6 MWFRS W Increase=1.60, Plat Uniform Loads (Ib/ft Vert: 3-20=-115,	8-12=-33 s (lb) B) .75 Snow (bal.) + 0.75 Attic Floor + vind (Neg. Int) Right): Lumber te Increase=1.33
26)	6-7=-198, 7-8=-230,	(unbalanced): Lumber icrease=1.15 -99, 4-5=-66, 5-6=-198, 8-10=-198, 1-12=-66,), 4-17=-33, 7-17=-33 2=-33	34)	4-17=-20, 7-17=-20 Horz: 5-20=-89, 6-10=56 Drag: 3-15=-33, 8-12=-33 Concentrated Loads (lb) Vert: 15=-839 (B) Reversal: Dead + 0.6 MWFRS W Parallel: Lumber Increase=1.60, Uniform Loads (lb/ft) Vert: 3-20=16, 3-4=-3, 4-5=16, 7-8=29, 8-10=49, 1-12=-40, 10	ind (Pos. In Plate Increa 5-6=16, 6-5	ternal) 2nd Ise=1.33 7=49,	7-17=-33 Horz: 5-20=-19, 6 Drag: 3-15=-33, 8 Concentrated Loads Vert: 15=-1222 (f 41) Reversal: Dead + 0	8-12=-33 s (lb) B) .75 Snow (bal.) + 0.75 Attic Floor + vind (Neg. Int) 1st Parallel): Lumber te Increase=1.33
27)	Floor: Lumber Increase Uniform Loads (lb/ft) Vert: 3-20=-165, 3-4 6-7=-66, 7-8=-99, 8-	.ive (unbalanced) + 0.75 Attic .=1.15, Plate Increase=1.15 =-198, 4-5=-165, 5-6=-165, 10=-66, 1-15=-66, 12-15=-214), 4-17=-33, 7-17=-33 ≥=-33	^{4,} 35)	4-17=-20, 7-17=-20 Horz: 5-20=-56, 6-10=89 Drag: 3-15=-33, 8-12=-33 Concentrated Loads (Ib) Vert: 15=-839 (B) Reversal: Dead + 0.6 MWFRS W Parallel: Lumber Increase=1.60,	ind (Pos. In	ternal) 3rd	Vert: 3-20=-95, 3 6-7=-120, 7-8=-1	-4=-128, 4-5=-95, 5-6=-144, 53, 8-10=-120, 1-15=-66, 12=-339 (F=-274), 4-17=-33, 6-10=15 8-12=-33 s (lb)
28)	Concentrated Loads (lk Vert: 15=-1471 (B) 4th Dead + 0.75 Roof L Floor: Lumber Increase Uniform Loads (lb/ft) Vert: 3-20=-66, 3-4= 6-7=-165, 7-8=-198,			Uniform Loads (lb/ft) Vert: 3-20=49, 3-4=29, 4-5=49 7-8=-3, 8-10=16, 1-12=-40, 10 4-17=-20, 7-17=-20 Horz: 5-20=-89, 6-10=56 Drag: 3-15=-33, 8-12=-33 Concentrated Loads (lb) Vert: 15=-839 (B)	-12=-174 (F	=-134),	42) Reversal: Dead + 0 0.75(0.6 MWFRS W Increase=1.60, Plat Uniform Loads (lb/ft Vert: 3-20=-120, 6-7=-95, 7-8=-12	.75 Snow (bal.) + 0.75 Attic Floor + Vind (Neg. Int) 2nd Parallel): Lumber te Increase=1.33 t) 3-4=-153, 4-5=-120, 5-6=-144, 8, 8-10=-95, 1-15=-66, 12-15=-214, 274), 4-17=-33, 7-17=-33
29)	7-17=-33 Drag: 3-15=-33, 8-12 Concentrated Loads (It Vert: 15=-1471 (B) Reversal: Dead + 0.6 N Left: Lumber Increase= Uniform Loads (Ib/ft) Vert: 3-20=-43, 3-4=	2=-33		Reversal: Dead + 0.6 MWFRS W Parallel: Lumber Increase=1.60, Uniform Loads (lb/ft) Vert: 3-20=16, 3-4=-3, 4-5=16, 7-8=29, 8-10=49, 1-12=-40, 10 4-17=-20, 7-17=-20 Horz: 5-20=-56, 6-10=89 Drag: 3-15=-33, 8-12=-33 Concentrated Loads (lb) Vert: 15=-839 (B)	Plate Increa 5-6=16, 6-	nse=1.33 7=49,	Drag: 3-15=-33, 8 Concentrated Loads Vert: 15=-1222 (8 43) Reversal: Dead + 0	8-12=-33 s (lb) B) .75 Roof Live (bal.) + 0.75 Attic VFRS Wind (Neg. Int) Left): Lumber re Increase=1.33

Continued on page 4 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 **ANSUTPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job	Truss	Truss Type		Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	C2	Attic Girder		2	3	Job Reference (optional)	E14115606
Carter Components (Sanford)	, Sanford, NC - 27332,					13 2020 MiTek Industries, Inc. Wed Feb 26 11:25:59 YKm40m5gNC6FctlD4C_K9gDsAipKUJqsqKzhHPM	Page: 4
6-7=-146, 7-8=-1 12-15=-214, 10-1 7-17=-33 Horz: 5-20=30, 6 Drag: 3-15=-33, 8 Concentrated Loads Vert: 15=-1276 (E 44) Reversal: Dead + 0. Floor + 0.75(0.6 MW Lumber Increase=1. Uniform Loads (Ib/ft Vert: 3-20=-146, 1 6-7=-194, 7-8=-22	-12=-33 ; (lb))) 75 Roof Live (bal.) + 0.75 / /FRS Wind (Neg. Int) Right 60, Plate Increase=1.33	Attic): 26,	ы. mo//нооерw_x0	n x t QZWQ3	211FOI-PUK_	ткпачинэдисогсцичс_кэдизмрколдзүкzлнРМ	
7-17=-33 Horz: 5-20=-19, 6 Drag: 3-15=-33, 8 Concentrated Loads Vert: 15=-1276 (E	-10=-30 -12=-33 5 (lb)						
Floor + 0.75(0.6 MW Lumber Increase=1. Uniform Loads (Ib/ft Vert: 3-20=-126, 3 6-7=-150, 7-8=-11 12-15=-214, 10-1 7-17=-33 Horz: 5-20=-39, 6 Drag: 3-15=-33, 8 Concentrated Loads Vert: 15=-1276 (E	3-4=-159, 4-5=-126, 5-6=-1 33, 8-10=-150, 1-15=-66, 2=-339 (F=-274), 4-17=-33 -10=15 -12=-33 : (lb) :)	arallel): 50, ,					
Floor + 0.75(0.6 MW Lumber Increase=1. Uniform Loads (lb/ft Vert: 3-20=-150, 3 6-7=-126, 7-8=-1	3-4=-183, 4-5=-150, 5-6=-1 59, 8-10=-126, 1-15=-66, 2=-339 (F=-274), 4-17=-33 -10=39 -12=-33 : (lb)	Parallel): 50,					

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	C3	Attic	1	2	Job Reference (optional)	E14115607

Scale = 1:79.4

Run: 8.33 S Feb 13 2020 Print: 8.330 S Feb 13 2020 MiTek Industries, Inc. Wed Feb 26 11:26:00 ID:zplK?WOXsAyhNdbJd5idmbzhKTd-tqIMmfnin3DX_LhSAaGSdQWS53ZTvCAUjzaQNnzhHPL

Page: 1

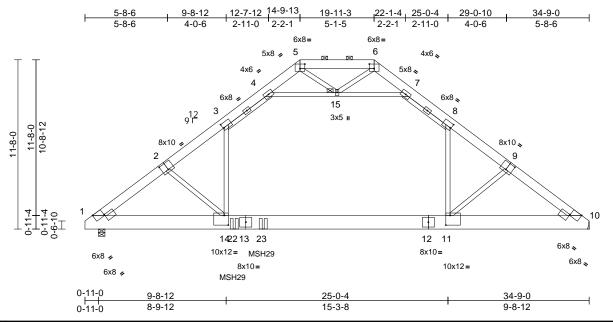


Plate Offsets (X, Y): [1:0-8-3,0-5-4], [2:0-5-0,0-6-0], [3:0-0-13,0-3-12], [5:0-4-0,0-3-12], [6:0-4-0,0-3-12], [8:0-0-13,0-3-12], [9:0-5-0,0-6-0], [10:0-8-3,0-5-4], [11:0-3-8,0-8-0], [14:0-3-8,0-8-0]

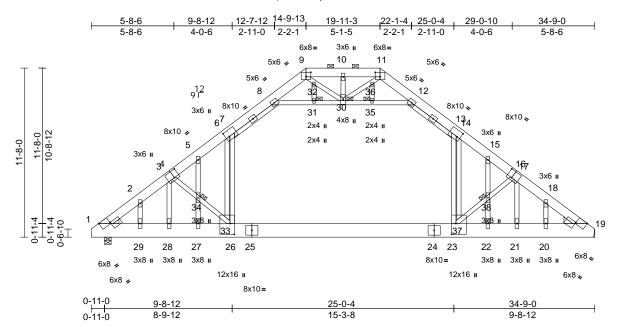
								-						-
Loading	(psf)	Spacing	1-11-4		csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15		тс	0.83	Vert(LL)	-0.19	11-14	>999	240	MT20	244/190	
Snow (Pf/Pg)	18.9/20.0	Lumber DOL	1.15		BC	0.28	Vert(CT)	-0.33	11-14	>999	180			
TCDL	10.0	Rep Stress Incr	NO		WB	0.31	Horz(CT)	0.02	10	n/a	n/a			
BCLL	0.0*	Code	IRC201	5/TPI2014	Matrix-MSH		Attic	-0.11	11-14	>999	360			
BCDL	10.0											Weight: 721 lb	FT = 20%	
	2x12 SP 2400F 2.0E 2x4 SP No.2 *Excep SP No.3 Structural wood she 6-0-0 oc purlins, exc 2-0-0 oc purlins (10- Rigid ceiling directly bracing. 1 Brace at Jt(s): 15	t* 5-15,15-6,4-3,7-8 athing directly applie sept 0-0 max.): 5-6. applied or 10-0-0 or 10= Mechanical C 29)	:2x4 3) ed or 4) c 5)	except if note CASE(S) sec provided to c unless other Unbalanced this design. Wind: ASCE Vasd=103m Cat. II; Exp E left and right exposed; Luu TCLL: ASCE DOL=1.15 P snow); Pf=18	considered equal ed as front (F) or b ction. Ply to ply co distribute only load wise indicated. roof live loads hav 7-10; Vult=130mg bh; TCDL=6.0psf; 3; Enclosed; MWF exposed ; end ve mber DOL=1.60 ps i.7-10; Pr=20.0 ps late DOL=1.15); F 3.9 psf (flat roof sr .15); Category II;	back (B) nnection is noted we been of BCDL=6 RS (env rtical left late grip f (roof liv g=20.0 p ow: Lum	face in the LC s have been as (F) or (B), considered for cond gust) .0psf; h=25ft; elope); cantile and right DOL=1.33 e load: Lumbo ssf (ground ber DOL=1.1	ver er	or ti botti 15) Use nail star trus 16) Fill 17) Attiv LOAD (1) De Inc Ur	be orient tom chore by USP M s into Tr ting at 1 ss(es) to all nail h c room c CASE(S ead + Sr crease= hiform Lo Vert: 3- 7-8=-56	tation of rd. ISH29 0-3-6 f front fa tooles w checked backed (backed) Star tooles (backed) Star tooles (backed) 1.15 backed (backed) 1.15 backed) 1.15 backed (backed) 1.15 backed) 1.15 backed (backed) 1.15 backed) 1.15 backed (backed) 1.15 backed) 1.15 backed (backed) 1.15 backed) 1.15 backed (backed) 1.15 backed) 1.15 backed (backed) 1.15 backed) 1.15 backed (backed) 1.15 backed) 1.15 backed (backed) 1.15 backed) 1.15 backed (backed) 1.15 backed) 1.15 backed (backed) 1.15 backed) 1.15 backed (backed) 1.15 backed) 1.15 backed (backed) 1.15 backed) 1.15 backed 1.15 ba	alanced): Lumber b/ft) i, 3-4=-56, 4-5=-4 =-46, 1-10=-19, 4	g the top and ls into Girder ed at 2-0-0 c to 12-3-6 to ord. a contact with ction. r Increase=1 46, 5-6=-56, i	Wor & 4-10d oc max. connect n lumber. .15, Plate 6-7=-46,
ORCES	(lb) - Maximum Com Tension	pression/Maximum	()	Ct=1.10, Lu=50-0-0 Concentrated Loads (lb)										
TOP CHORD	1-2=-4373/0, 2-3=-4 4-5=0/439, 5-6=0/60 7-8=-2617/0, 8-9=-3 1-14=0/3420, 14-22	07, 6-7=0/513, 905/0, 9-10=-4112/0	8) 0	All plates are * This truss h on the bottor	I plates are 6x8 MT20 unless otherwise indicated. This truss has been designed for a live load of 20.0psf the bottom chord in all areas where a rectangle 06-00 tall by 2-00-00 wide will fit between the bottom						(F), 23=-821 (F)			
WEBS	13-23=0/2868, 12-23 10-11=0/3229 3-14=0/2504, 8-11=	3=0/2868, 11-12=0/2 0/1952, 4-15=-3468/	2868, 9) /0,	chord and ar Ceiling dead	by 2-00-00 wide w ny other members load (5.0 psf) on ead load (5.0psf)	member	s). 3-4, 7-8, 4	-15,				IL ORTH	CARO	Linin
	7-15=-3743/0, 5-15= 2-14=-810/0, 9-11=-		,) Bottom chore	d live load (40.0 p	sf) and a	dditional botto	m			4	OUP.		
(0.131"x3" Top chord staggered Bottom ch staggered	s to be connected toge ") nails as follows: Is connected as follows I at 0-9-0 oc, 2x4 - 1 ro ords connected as foll I at 0-9-0 oc. lected as follows: 2x4 -	s: 2x8 - 2 rows w at 0-9-0 oc. ows: 2x12 - 2 rows	12	 Refer to gird One RT7A U truss to bear connection is forces. This truss is International 	oad (0.0 psf) appli er(s) for truss to tr ISP connectors re ing walls due to U s for uplift only and designed in accor Residential Code nd referenced star	russ conr commen PLIFT at d does no rdance w	ections. ded to connec jt(s) 1. This of consider lat ith the 2015 R502.11.1 a	ct eral			THILL WAY	O. A. A. A	SEAL 36322 31NEER GILP y 26,2020	ERIT

818 Soundside Road Edenton, NC 27932

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	C4	Attic	1	1	Job Reference (optional)	E14115608

Run: 8.33 S Feb 13 2020 Print: 8.330 S Feb 13 2020 MiTek Industries, Inc. Wed Feb 26 11:26:01 ID:zpIK?WOXsAyhNdbJd5idmbzhKTd-L1skz?oKYNLOcVGekHoh9d3cxTwBeX1dxdJzvDzhHPK Page: 1



 Scale = 1:79.5
 0+1+0
 0 + 14

 [1:0-8-3,0-5-0], [4:0-4-4,0-6-0], [7:0-2-13,0-5-0], [9:0-4-0,0-3-12], [11:0-4-0,0-3-12], [13:0-2-13,0-5-0], [16:0-4-4,0-6-0], [19:0-8-3,0-5-0], [23:0-9-0,0-3-8],

 Plate Offsets (X, Y):
 [26:0-9-0,0-3-8]

Plate Offsets ()	X, Y): [26:0-9-0,0-3-8]]											
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDI	(psf) 20.0 18.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-11-4 1.15 1.15 YES IRC2015/TPI	T B W	SI IC SC VB Matrix-MSH	0.96 0.25 0.78	DEFL Vert(LL) Vert(CT) Horz(CT) Attic	in -0.21 -0.31 0.03 -0.11	23-26 23-26 19	l/defl >999 >999 n/a >999	L/d 240 180 n/a 360	PLATES MT20	GRIP 244/190
	Max Horiz 1=-213 (L Max Grav 1=1777 (L (lb) - Maximum Com Tension 1-2=-2235/99, 2-3=-: 3-4=-2210/131, 4-5= 5-6=-2656/140, 6-7= 7-8=-1704/235, 8-9= 9-10=-150/315, 10-1 11-12=-290/206, 12- 13-14=-2573/192, 14	t* 3:2x4 SP No.3 t* 33-6,37-14:2x4 SF athing directly applie ept -0 max.): 9-11. applied or 10-0-0 oc 19= Mechanical C 9) .C 25), 19=1736 (LC pression/Maximum 2155/148, -2240/113, -2448/185, -288/216, 1=-150/315, 13=-1689/234, 4-15=-2650/139,	d or NOTES 1) Uni this 2) Wir Vas Cat 26) Ext veri forc 00 3) Tru only see or cc 4) TCL DO	8-3 30-3 9-33 30-3 4-34 26-3 37-4 10-3 6-33 3-24 14-3 22-3 0 0 0 0 0 0 0 0 0 0 0 0 0	6=-23/1305, 13- 1=-2106/164, 3(35=-2083/164, 3(35=-2083/164, 3(35=-2083/164, 3(36=-67/147, 11- 4=-193/315, 33- 33=-243/503, 2(38=-637/181, 11 30=-517/63, 31- 33=-43/280, 5-34 8=-288/79, 2-29 37=-188/112, 1(38=-604/11, 17- of live loads have 10; Vult=130mp TCDL=6.0psf; [6 inclosed; MWFf e; cantilever left right exposed; C S for reactions 9 gip DOL=1.33 d for wind loads for wind loads	D-31=-2 12-35=-2 12-35=-2 12=-59/1 336=-22 34=-214 3-37=-7 5-38=-6 -32=-15/ =-793/2 =-	127/166, 2063/162, 75, 355, 1/281, 73/244, 73/244, 73/244, 396, 3, 27-34=-74 35-36=-14/38 70/15, 351, 18-20=- considered fo ond gust) .0psf; h=25ft; elope) and C- nt exposed; . hembers and Lumber ane of the tru, al to the face Is as applical s per ANSI/TF e load: Lumb ssf (ground	9/55 r C end Jss), ble, PI 1. er	 on till 3-00 cho 9) Cei 8-3 mei 10) Bot cho 11) Ref 12) One trus con force 13) This Inte R86 14) Grator till or till 	he botto 6-00 tall rd and a ling dead 1, 30-31 mber(s). tom cho rd dead er to gird RT7A l s to bea nection s to bea nection s to ses. s truss is rnationa 2.10.2 a phical p he orient com cho c room c	m choi by 2-0h by 2-0h d load d load d , 30-35 7-26, 1 d load (C) der(s) f USP cc uring wa is for u s design u Resic and refe urlin re tation c d.	rd in all areas v 0-00 wide will f er members. (5.0 psf) on me i, 12-35; Wall of 3-23 load (40.0 psf) 0.0 psf) applied or truss to truss onnectors recor- alls due to UPL plift only and de- ned in accordan- dential Code se erenced standa presentation de of the purlin alo d for L/360 defi	or a live load of 20.0psf where a rectangle it between the bottom mber(s). 7-8, 12-13, dead load (5.0psf) on and additional bottom only to room. 23-26
BOT CHORD	15-16=-2323/118, 16 17-18=-2633/175, 18 1-29=-63/1837, 28-2 27-28=-7/1836, 26-2 25-26=0/1836, 24-25 22-23=-32/2106, 21- 20-21=-31/2104, 19-	Ct= 5) Pro 6) All	1.10, Lu=50 vide adequa plates are 3x	5); Category II; E -0-0 ite drainage to p k8 MT20 unless aced at 2-0-0 oc	orevent v otherwi	vater ponding	j .			11. T	C AND	GINEER. 4. GILBER.	



Continued on page 2 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 ANS/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

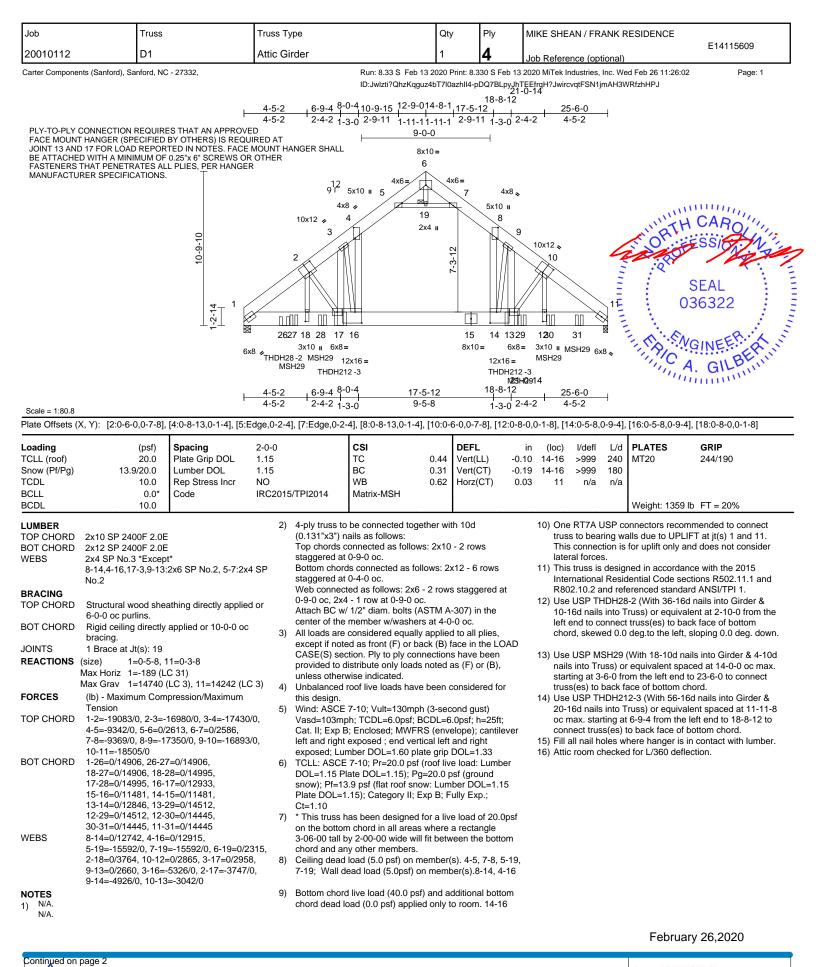
Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	C4	Attic	1	1	Job Reference (optional)	E14115608
Carter Components (Sanford), Sa	anford, NC - 27332,	Run: 8.33 S Feb 13	2020 Print: 8.	330 S Feb 1	3 2020 MiTek Industries, Inc. Wed Feb 26 11:26:01	Page: 2

Run: 8.33 S Feb 13 2020 Print: 8.330 S Feb 13 2020 MiTek Industries, Inc. Wed Feb 26 11:26:01 ID:zpIK?WOXsAyhNdbJd5idmbzhKTd-L1skz?oKYNLOcVGekHoh9d3cxTwBeX1dxdJzvDzhHPK

LOAD CASE(S) Standard

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 **ANS/TPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.





Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 being read to devolve with the evolution of the boots in the design is based only door 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/TP11 Quality Criteria, DSB-89 and BCSI Building Component** fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Qua Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	D1	Attic Girder	1	4	Job Reference (optional)	E14115609
Carter Components (Sanford), Sa	nford, NC - 27332,	Run: 8.33 S Feb 13	2020 Print: 8.3	330 S Feb 13	2020 MiTek Industries, Inc. Wed Feb 26 11:26:02	Page: 2

Run: 8.33 S Feb 13 2020 Print: 8.330 S Feb 13 2020 MiTek Industries, Inc. Wed Feb 26 11:26:02 ID:Jwlzti?QhzKqguz4bT7I0azhII4-pDQ7BLpyJhTEEfrqH?JwircvqtFSN1jmAH3WRfzhHPJ

LOAD CASE(S) Standard

- Dead + Snow (balanced): Lumber Increase=1.15, Plate 1) Increase=1.15
 - Uniform Loads (lb/ft)

Vert: 1-4=-48, 4-5=-58, 5-6=-48, 6-7=-48, 7-8=-58, 8-11=-48, 20-23=-20, 5-19=-10, 7-19=-10 Drag: 8-14=-10, 4-16=-10

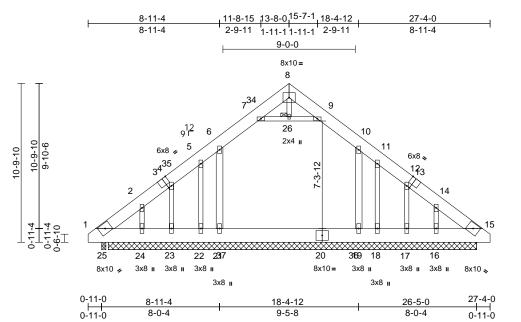
Concentrated Loads (lb) Vert: 17=-5642 (B), 13=-5642 (B), 26=-1738 (B), 27=-1282 (B), 28=-1282 (B), 29=-1282 (B), 30=-1282 (B), 31=-1282 (B)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 safe truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	D2	Attic Supported Gable	1	1	Job Reference (optional)	E14115610

Run: 8.33 S Feb 13 2020 Print: 8.330 S Feb 13 2020 MiTek Industries, Inc. Wed Feb 26 11:26:02 ID:Ilrd7yzT7DpIGfP_HYZvVCzhI9h-pDQ7BLpyJhTEEfrqH?JwirczHtGLN8ImAH3WRfzhHPJ



00010 = 111010		
Plate Offsets (X_Y)	[3:0-3-4 Edge]	[13:0-3-4 Edge]

Scale - 1.78 3

Plate Offsets (X, Y): [3:0-3-4,Edge],	[13:0-3-4,Edge]										
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 13.9/20.0 10.0 0.0* 10.0	Plate Grip DOL Lumber DOL Rep Stress Incr	1-11-4 1.15 1.15 YES IRC2015/TPI2014	BC	0.15 0.25 0.17		in -0.25 -0.48 0.00	27-29	l/defl >447 >236 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 321 II	GRIP 244/190 D FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD JOINTS REACTIONS	2x10 SP 2400F 2.0E 2x12 SP 2400F 2.0E 2x6 SP No.2 *Excep 8-26:2x4 SP No.3 2x4 SP No.3 Structural wood she 6-0-0 oc purlins. Rigid ceiling directly bracing. 1 Brace at Jt(s): 26 (size) 1=25-0-8 21=25-0-8 24=25-0-8 Max Horiz 25=189 (I Max Uplift 16=-73 (L 23=-222 (Max Grav 1=302 (LC 16=191 (I 18=-29 (L 23=-22 (23=-22 ((b) - Maximum Com Tension 1-2=-1131/334, 2-3= 4-5=-334/42, 5-6=-2 7-8=-191/73, 8-9=-1	 t* 7-9:2x4 SP No.2, athing directly applied applied or 10-0-0 oc 15=25-0-8, 16=25-0-8, 18=25-0-8, 19=25-0-8, 22=25-0-8, 23=25-0-8, 22=0-3-8 LC 10), 22=-313 (LC 14), LC 19), 22=-313 (LC 15), LC 26), 17=190 (LC 26), LC 26), 12=1783 (LC 19), C 25), 22=-4 (LC 29), C 26), 22=-4 (LC 29), C 2), 24=1783 (LC 19), C 2), 24=1783 (LC 19), C 2), 24=1783 (LC 19), C 2), 32=-333/26, 90/86, 6-7=-330/152, 91/73, 9-10=-331/152, 	WEBS NOTES 1) Unbalanc this design 2) Wind: AS Vasd=100 Cat. II; Ex Vasd=100 Cat. II; Ex Forces & I DOL=1.6i), 3) Truss de only. For see Stand or consul 4) TCLL: AS DOL=1.1: snow; Pf Plate DO Ct=1.10	1-25=-23/287, 24-25 23-24=-19/244, 22-23 21-22=-18/242, 21-37 20-37=-18/242, 20-36 19-36=-18/242, 18-19 17-18=-17/243, 16-17 15-16=-16/247 10-19=-200/81, 6-21= 7-26=-151/126, 9-26= 5-22=-77/76, 4-23=-9 11-18=-94/66, 12-17= ed roof live loads have b	=-11/2 =-18/ 7=-18/ 7=-18/ 7=-18/ 7=-18/ 7=-18/ 7=-17/ =-201/ =-151/ 1/103 =-123/ peen ((3-seccord) (any (any (any (any (any (any (any (any	77, (243, (242, (242, (242, (242, (244, (83, (126, 8-26=-11 (2, 2-24=-903/0) (86, 14-16=-13) considered for considered for cond gust) .0psf; h=25ft; elope) and C-4 ht exposed; enembers and Lumber lane of the tru: al to the face) is as applicate s per ANSI/TP e load: Lumber st (ground) ber DOL=1.1! uily Exp.;), 35/94 r C end ss s, ble, er	y trus 22, uplii 9) One trus con forc 10) This Inte R80	s to bea 23, 24, - ft only a e RT8A I s to bea nection es. s trous is rnationa 2.10.2 a c room c CASE(S)	Iring w 18, 17, nd doe USP co USP co USP co USP co I a desigg and ref shecke) Sta	onnectors recor alls due to UPL 16, and 15. Thes not consider onnectors recor alls due to UPL uplift only and d ned in accorda dential Code se ierenced standa d for L/360 defl ndard	Inmended to connect IFT at jt(s) 1, 19, 21, is connection is for lateral forces. IFT at jt(s) 25. This bes not consider lateral Ince with the 2015 ctions R502.11.1 and ard ANSI/TPI 1.
7-8=-191/73, 8-9=-191/73, 9-10=-331/152, 10-11=-271/86, 11-12=-299/38, 12-13=-267/25, 13-14=-316/18, 14-15=-327/27			7) * This true on the bo 3-06-00 ta	lds spaced at 2-0-0 oc. ss has been designed fo ttom chord in all areas w all by 2-00-00 wide will fi d any other members, wi	/here t betw	a rectangle veen the botto	, m	SEAL 036322				



Page: 1

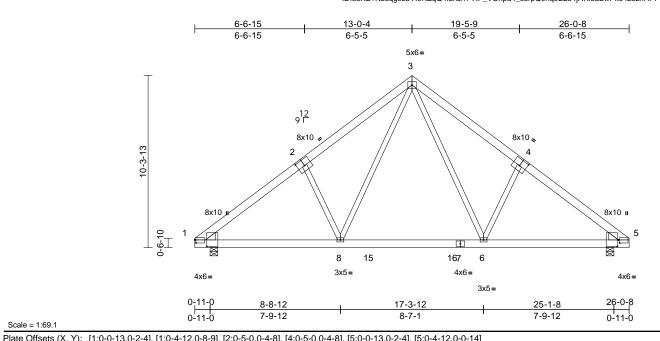
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 ANS/TPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	E1	Common	10	1	Job Reference (optional)	E14115611

Run: 8.33 S Feb 13 2020 Print: 8.330 S Feb 13 2020 MiTek Industries, Inc. Wed Feb 26 11:26:03 ID:58XB?Nbsqg9z5YI0RZqQ4rzhJh?-HP_VOhpa4_c5rpQ0riq9E284jHXI6aEwPxo4z5zhHPI

Page: 1



Scale	=	1:69.1	

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 13.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2015	/TPI2014	CSI TC BC WB Matrix-MSH	0.43 0.50 0.22	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.12 -0.20 0.02	(loc) 6-8 6-8 5	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 185 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS WEDGE BRACING TOP CHORD BOT CHORD REACTIONS	2x6 SP No.2 2x4 SP No.2 *Except Left: 2x6 SP No.2 Right: 2x6 SP No.2 Structural wood shea 6-0-0 oc purlins. Rigid ceiling directly bracing.	athing directly applie applied or 10-0-0 or =0-5-8 C 9) C 2), 5=1042 (LC 2	o.3 5) ed or 6) c LO	on the bottor 3-06-00 tall b chord and ar One RT7A U truss to bear This connect lateral forces This truss is International	designed in accord Residential Code nd referenced stan	s where Il fit betw with BC comment PLIFT at y and do dance wi sections	a rectangle reen the botto DL = 10.0pside to conne-jt(s) 5 and 1es not considerth the 2015R502.11.1 a	om f. ect der					
TOP CHORD BOT CHORD WEBS	Tension 1-2=-1156/229, 2-3= 3-4=-1040/324, 4-5=	-1039/324, -1156/229 /643, 15-16=0/643, 43, 5-6=-68/828	180,										
 this design Wind: ASC Vasd=103 Cat. II; Ex Exterior (2 Exterior (2 TCLL: ASC DOL=1.15 snow); Pf= 	ed roof live loads have	(3-second gust) CDL=6.0psf; h=25ft; S (envelope) and C- ind right exposed; C RS for reactions sho L=1.33 roof live load: Lumb- s20.0 psf (ground v: Lumber DOL=1.1	C C-C own; er									OS SALANC A	SEAL B6322 CINEER GILBER

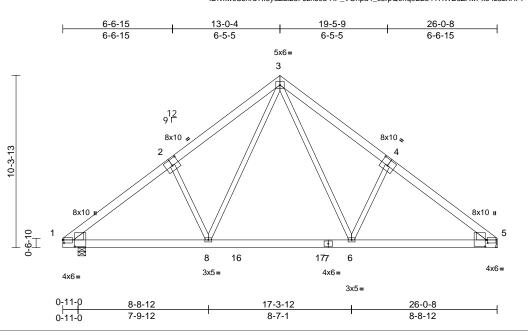
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 **ANS/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	E2	Common	2	1	Job Reference (optional)	E14115612

Run: 8.33 S Feb 13 2020 Print: 8.330 S Feb 13 2020 MiTek Industries, Inc. Wed Feb 26 11:26:03 ID:vkwcCJnruTlf8yuZLl25FJzhJcu-HP_VOhpa4_c5rpQ0riq9E284YHWB6ZAwPxo4z5zhHPI

Page: 1



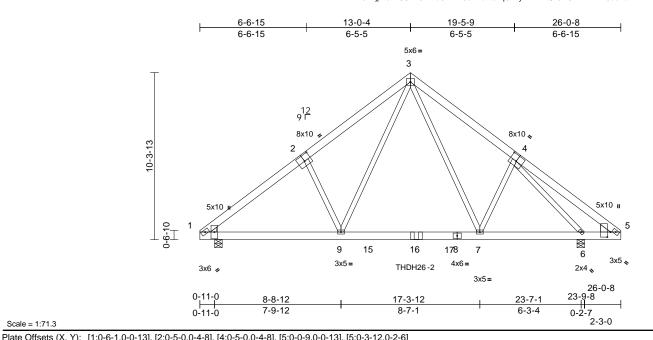
Scale = 1:69.1	
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Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15		TC	0.44	Vert(LL)	-0.10	6-8	>999	240	MT20	244/190
Snow (Pf/Pg)	13.9/20.0	Lumber DOL	1.15		BC	0.53	Vert(CT)	-0.17	6-8	>999	180		
TCDL	10.0	Rep Stress Incr	YES		WB	0.29	Horz(CT)	0.02	5	n/a	n/a		
BCLL	0.0*	Code	IRC201	5/TPI2014	Matrix-MSH								
BCDL	10.0											Weight: 185 lb	FT = 20%
	Max Horiz 1=194 (LC	athing directly applie applied or 10-0-0 oc = Mechanical 2 10)	5) 6) d or ; 7)	on the bottor 3-06-00 tall b chord and ar Refer to gird One RT7A L truss to bear connection is forces. This truss is International	has been designed in chord in all areas by 2-00-00 wide wi by other members, er(s) for truss to tru ISP connectors rec ing walls due to UI is for uplift only and designed in accord Residential Code ind referenced star Standard	s where I fit betw with BC uss conr commen PLIFT at does no dance wi sections	a rectangle veen the bott DL = 10.0ps rections. ded to conne jt(s) 1. This ot consider la th the 2015 R502.11.1 a	om f. ect ateral					
	Max Grav 1=1087 (L	,, ()											
FORCES	(lb) - Maximum Com Tension	pression/Maximum											
TOP CHORD	1-2=-1214/238, 2-3= 3-4=-1235/355, 4-5=	,											
BOT CHORD	1-8=-78/986, 8-16=0 7-17=0/697, 6-7=0/6	/697, 16-17=0/697,											
WEBS	3-8=-108/448, 3-6=- ⁻ 2-8=-294/234	148/697, 4-6=-391/2	48,									IN TH	CAD
NOTES												""ATH	
,	ed roof live loads have	been considered for										O'.;FE	Selding
this design	n. CE 7-10; Vult=130mph	(2 accord suct)									4	Sit	5
Vasd=103 Cat. II; Exp Exterior (2 members a	mph; TCDL=6.0psf; B(p B; Enclosed; MWFRS) zone; cantilever left e and forces & MWFRS OL=1.60 plate grip DO	CDL=6.0psf; h=25ft; S (envelope) and C- exposed ;C-C for for reactions shown;									THILL IN IN		SEAL 36322
DOL=1.15 snow); Pf=	CE 7-10; Pr=20.0 psf (i Plate DOL=1.15); Pg= 13.9 psf (flat roof snov =1.15); Category II; Ex	=20.0 psf (ground v: Lumber DOL=1.1									1	111	

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 safe truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	E3	Common Girder	1	2	Job Reference (optional)	E14115613

Run: 8.33 S Feb 13 2020 Print: 8.330 S Feb 13 2020 MiTek Industries, Inc. Wed Feb 26 11:26:04 ID:NH67Fjpneu7SSAT5NMbGkRzhJbY-lbXtc1qCrlkyTz?DPQLOnGhHlhthr1v3dbYdWYzhHPH



Scale = 1:71.3

Plate Offsets ((X, Y): [1:0-6-1,0-0-13]	, [2:0-5-0,0-4-8], [4:0)-5-0,0-4-8	8], [5:0-0-9,0-0·	-13], [5:0-3-12,0-2	-6]						-	
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 13.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-11-4 1.15 1.15 NO IRC2015	5/TPI2014	CSI TC BC WB Matrix-MSH	0.28 0.45 0.20	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.07 -0.13 0.01	(loc) 7-9 7-9 6	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 387 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS WEDGE BRACING TOP CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD WEBS NOTES 1) 2-ply truss (0.131"x3" Top chord staggered Bottom ch	2x6 SP No.2 2x6 SP No.2 2x4 SP No.2 *Except Left: 2x4 SP No.3 Right: 2x6 SP No.2 Structural wood shee 6-0-0 oc purlins. Rigid ceiling directly bracing, Except: 6-0-0 oc bracing: 5-6 (size) 1=0-5-8, 6 Max Horiz 1=-188 (LI Max Uplift 1=-20 (LC Max Grav 1=1090 (L (lb) - Maximum Com Tension 1-2=-1263/74, 2-3=-1 4-5=-33/200	athing directly applied applied or 10-0-0 oc 5. =0-5-8 C 5) 9), 6=-22 (LC 10) C 2), 6=1211 (LC 2) pression/Maximum 1111/149, 3-4=-1086 /663, 15-16=0/663, 55 05/208, 3-9=-83/552, 1307/47 her with 10d :: 2x6 - 2 rows	.3 3) d or 4) 5) (/153, 7) 8) 9) 10	except if note CASE(S) see provided to c unless other Unbalanced this design. Wind: ASCE Vasd=103mg Cat. II; Exp El left exposed TCLL: ASCE DOL=1.15 P snow); Pf=13 Plate DOL=1 Ct=1.10 * This truss f on the bottor 3-06-00 tall chord and ar One RT7A U truss to bear This connect lateral forces This truss is International R802.10.2 at Use USP TH 8-16d nails in left end to cc chord.	designed in accorr Residential Code nd referenced star IDH26-2 (With 20- nto Truss) or equiv nnect truss(es) to ples where hanger	ack (B) nnection s noted the been bh (3-see BCDL=6 RCS (env 50 plate f (roof liv g=20.0 p ow: Lurr Exp B; F I for a liv s where II fit betw with BC commen PLIFT al y and dc dance w sections ndard AN 16d naili valent at front fac	face in the LC s have been as (F) or (B), considered for ond gust) .0psf; h=25ft elope); cantil grip DOL=1.3 e load: Lumb bsf (ground ber DOL=1.1 e load: Lumb bsf (ground ber DOL=1.1 iully Exp.; e load of 20.1 a rectangle veen the bott DL = 10.0psi ded to conne jt(s) 1 and 6 es not consid ith the 2015 c R502.11.1 a ISI/TPI 1. s into Girder 4 13-4-12 from ve of bottom	or ; ever 33 reer 15 0psf off. cct der and & the		oncentra Vert: 16	266	ads (lb) (F)	
	ected as follows: 2x4 -	1 row at 0-9-0 oc.	1)	Increase=1 Uniform Loa			rease=1.15,	Plate				THE BEAM	GINEER.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 safe truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



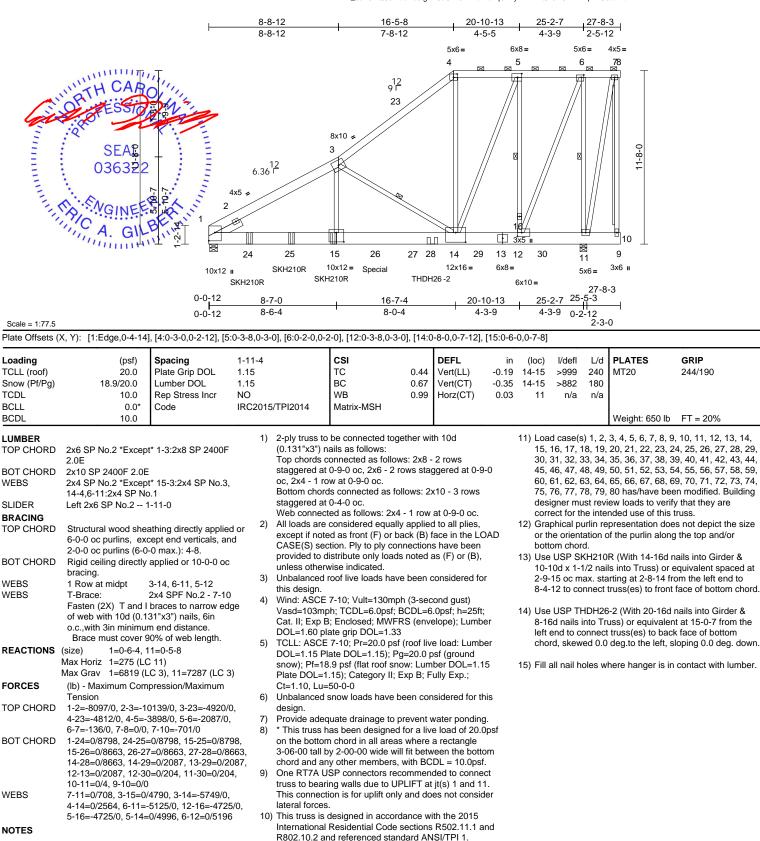
February 26,2020

Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	E4	Piggyback Base Girder	1	2	Job Reference (optional)	E14115614

Run: 8.33 S Feb 13 2020 Print: 8.330 S Feb 13 2020 MiTek Industries, Inc. Wed Feb 26 11:26:04 ID:_seP9BQCJmuawc8fgnTSdUzhJZT-lbXtc1qCrlkyTz?DPQLOnGhFAhqDrrU3dbYdWYzhHPH



Page: 1



February 26,2020

Continued on page 2 Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 being read to devolve with the evolution of the boots in the design is based only door 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/TP11 Quality Criteria, DSB-89 and BCSI Building Component** fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Qua Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

818 Soundside Road Edenton, NC 27932

lob	Truss	Truss Ty	pe	Qty I	Ply	MIKE S	HEAN / FRANK RESIDENCE
20010112	E4	Piggyba	ck Base Girder	1	2	Job Re	ference (optional) E14115614
arter Components (Sanford), Sar	ford, NC - 27332,					2020 MiT	ek Industries, Inc. Wed Feb 26 11:26:04 Page: 2
				-	-		PQLOnGhFAhqDrrU3dbYdWYzhHPH
 Hanger(s) or other conne provided sufficient to support to suppo	ction device(s) shall be port concentrated load(s) 415	52	Vert: 15=21 (F), 24=-381 (F), (F), 28=97 (B)	25=-374 (F), 2	26=-1308	16)	Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.33
Ib down at 11-3-12 on bo		8)	Dead + 0.6 MWFRS Wind (Pos.	Internal) Righ	it:		Uniform Loads (Ib/ft)
selection of such connect	on device(s) is the	- /	Lumber Increase=1.60, Plate Inc				Vert: 1-3=-14, 3-4=-14, 4-7=-14, 7-8=1, 17-27=-19,
responsibility of others.			Uniform Loads (lb/ft)				9-27=-119 (F=-100)
, ,	anent and stability bracing for	or	Vert: 1-3=7, 3-4=7, 4-7=14, 7-	8=9, 17-27=-1	12,		Horz: 1-3=-6, 3-4=-6
truss system (not part of t always required.	his component design) is		9-27=-112 (F=-100) Horz: 1-3=-19, 3-4=-18				Concentrated Loads (Ib)
OAD CASE(S) Standard			Concentrated Loads (lb)				Vert: 15=32 (F), 24=-370 (F), 25=-363 (F), 26=-1275 (F), 28=104 (B)
): Lumber Increase=1.15, Pla	ate	Vert: 15=21 (F), 24=-381 (F),	25=-374 (F), 2	26=-1308	17)	Dead + Snow (Unbal. Left): Lumber Increase=1.15,
Increase=1.15	,		(F), 28=97 (B)			,	Plate Increase=1.15
Uniform Loads (lb/ft)		9)	Dead + 0.6 MWFRS Wind (Neg.		Lumber		Uniform Loads (Ib/ft)
	6, 4-7=-56, 7-8=-56, 17-27=-	19,	Increase=1.60, Plate Increase=1	.33			Vert: 1-3=-46, 3-23=-46, 4-23=-61, 4-7=-27, 7-8=-27
9-27=-119 (F=-100) Concentrated Loads (Ib)			Uniform Loads (lb/ft) Vert: 1-3=-25, 3-4=-31, 4-7=-4	70 0 17 0	7 10		17-27=-19, 9-27=-119 (F=-100) Concentrated Loads (lb)
	=-920 (F), 25=-881 (F),		9-27=-119 (F=-100)	, <i>1-</i> 0=-0, 1 <i>1-</i> 2	.7=-19,		Vert: 15=-749 (F), 24=-920 (F), 25=-881 (F),
26=-2607 (F), 28=-38			Horz: 1-3=6, 3-4=12				26=-2607 (F), 28=-382 (B)
	ced): Lumber Increase=1.15	5,	Concentrated Loads (lb)			18)	Dead + Snow (Unbal. Right): Lumber Increase=1.15,
Plate Increase=1.15			Vert: 15=32 (F), 24=-370 (F),	25=-363 (F), 2	26=-1275		Plate Increase=1.15
Uniform Loads (lb/ft)		10 10)	(F), 28=104 (B)				Uniform Loads (lb/ft)
9-27=-119 (F=-100)	3, 4-7=-58, 7-8=-19, 17-27=-	19, 10)	Dead + 0.6 MWFRS Wind (Neg. Lumber Increase=1.60, Plate Inc		11.		Vert: 1-3=-27, 3-4=-27, 4-5=-67, 5-7=-46, 7-8=-46, 17-27=-19, 9-27=-119 (F=-100)
Concentrated Loads (lb)			Uniform Loads (lb/ft)	10000-1.00			Concentrated Loads (Ib)
	=-1069 (F), 25=-1021 (F),		Vert: 1-3=-12, 3-4=-12, 4-7=-4	, 7-8=1, 17-27	7=-19,		Vert: 15=-749 (F), 24=-920 (F), 25=-881 (F),
26=-2961 (F), 28=-41			9-27=-119 (F=-100)				26=-2607 (F), 28=-382 (B)
	balanced) + 0.75 Uninhab. A	ttic	Horz: 1-3=-8, 3-4=-7			19)	Dead + Uninhabitable Attic Storage: Lumber
Plate Increase=1.15	or: Lumber Increase=1.15,		Concentrated Loads (lb) Vert: 15=32 (F), 24=-370 (F),	25- 262 (E) 2	1075		Increase=1.25, Plate Increase=1.25 Uniform Loads (lb/ft)
Uniform Loads (lb/ft)			(F), 28=104 (B)	25=-303 (F), 2	20=-1275		Vert: 1-3=-19, 3-4=-19, 4-7=-19, 7-8=-19, 17-27=-19
	8, 4-7=-48, 7-8=-19, 17-27=-	19, 11)	Dead + 0.6 MWFRS Wind (Pos.	Internal) 1st F	Parallel:		27-29=-390 (F=-371), 12-29=-429 (F=-371),
	12-29=-352 (F=-303),		Lumber Increase=1.60, Plate Inc	crease=1.33			12-30=-390 (F=-371), 11-30=-429 (F=-371),
	11-30=-352 (F=-303),		Uniform Loads (lb/ft)				9-11=-390 (F=-371)
9-11=-323 (F=-303) Concentrated Loads (Ib)			Vert: 1-3=14, 3-4=14, 4-7=5, 7 9-27=-112 (F=-100)	/-8=-1, 17-27=	=-12,		Concentrated Loads (lb) Vert: 15=-644 (F), 24=-947 (F), 25=-971 (F),
	=-1221 (F), 25=-1211 (F),		9-27=-112 (F=-100) Horz: 1-3=-26, 3-4=-26				26=-3782 (F), 28=-202 (B)
26=-4152 (F), 28=-36			Concentrated Loads (lb)			20)	Dead + 0.75 Snow (bal.) + 0.75 Uninhab. Attic Storage
	nced) + 0.75 Uninhab. Attic		Vert: 15=21 (F), 24=-381 (F),	25=-374 (F), 2	26=-1308		+ 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber
0	or: Lumber Increase=1.15,		(F), 28=97 (B)				Increase=1.60, Plate Increase=1.33
Plate Increase=1.15 Uniform Loads (lb/ft)		12)	Dead + 0.6 MWFRS Wind (Pos.		Parallel:		Uniform Loads (lb/ft) Vert: 1-3=-44, 3-4=-48, 4-7=-35, 7-8=-38, 17-27=-19
), 4-7=-47, 7-8=-47, 17-27=-	19.	Lumber Increase=1.60, Plate Inc Uniform Loads (lb/ft)	crease=1.33			27-29=-323 (F=-303), 12-29=-352 (F=-303),
	12-29=-352 (F=-303),	,	Vert: 1-3=5, 3-4=5, 4-7=5, 7-8	=9. 17-27=-12	2.		12-30=-323 (F=-303), 11-30=-352 (F=-303),
	11-30=-352 (F=-303),		9-27=-112 (F=-100)	•, ··· _·· ··	_,		9-11=-323 (F=-303)
9-11=-323 (F=-303)			Horz: 1-3=-16, 3-4=-16				Horz: 1-3=5, 3-4=9
Concentrated Loads (lb)	=-1109 (F), 25=-1106 (F),		Concentrated Loads (lb)				Concentrated Loads (lb) Vert: 15=-38 (F), 24=-370 (F), 25=-363 (F), 26=-1275
26=-3887 (F), 28=-33			Vert: 15=21 (F), 24=-381 (F), (F), 28=97 (B)	25=-374 (F), 2	26=-1308		(F), 28=50 (B)
	al. Left) + 0.75 Uninhab. Atti	c 13)	(F), 28=97 (B) Dead + 0.6 MWFRS Wind (Pos.	Internal) 3rd F	Parallel [.]	21)	Dead + 0.75 Snow (bal.) + 0.75 Uninhab. Attic Storage
Storage + 0.75 Attic Floo	or: Lumber Increase=1.15,	10)	Lumber Increase=1.60, Plate Inc		aranci.	,	+ 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber
Plate Increase=1.15			Uniform Loads (lb/ft)				Increase=1.60, Plate Increase=1.33
Uniform Loads (lb/ft)		05	Vert: 1-3=14, 3-4=14, 4-7=5,	7-8=-1, 17-27=	=-12,		Uniform Loads (lb/ft)
	40, 4-23=-51, 4-7=-25, 7-8=-; 3 (F=-303), 12-29=-352	25,	9-27=-112 (F=-100)				Vert: 1-3=-34, 3-4=-34, 4-7=-35, 7-8=-31, 17-27=-19 27-29=-323 (F=-303), 12-29=-352 (F=-303).
	(F=-303), 11-30=-352		Horz: 1-3=-26, 3-4=-26 Concentrated Loads (lb)				12-30=-323 (F=-303), $11-30=-352$ (F=-303),
(F=-303), 9-11=-323 (Vert: 15=21 (F), 24=-381 (F),	25=-374 (F) 2	26=-1308		9-11=-323 (F=-303)
Concentrated Loads (lb)			(F), 28=97 (B)	20 0 (.), 2			Horz: 1-3=-6, 3-4=-6
Vert: 15=-828 (F), 24= 26=-3887 (F), 28=-33	=-1109 (F), 25=-1106 (F),	14)	Dead + 0.6 MWFRS Wind (Pos.		Parallel:		Concentrated Loads (lb)
	al. Right) + 0.75 Uninhab. At	ttic	Lumber Increase=1.60, Plate Inc	crease=1.33			Vert: 15=-38 (F), 24=-370 (F), 25=-363 (F), 26=-127 (F), 28=50 (B)
	pr: Lumber Increase=1.15,		Uniform Loads (lb/ft)	0 17 27 12	- -	22)	Dead + 0.75 Snow (bal.) + 0.75 Uninhab. Attic Storage
Plate Increase=1.15			Vert: 1-3=5, 3-4=5, 4-7=5, 7-8 9-27=-112 (F=-100)	=9, 17-27=-12	<u></u> ,		+ 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel):
Uniform Loads (lb/ft)			Horz: 1-3=-16, 3-4=-16				Lumber Increase=1.60, Plate Increase=1.33
	5, 4-5=-55, 5-7=-40, 7-8=-40,	,	Concentrated Loads (lb)				Uniform Loads (lb/ft)
	3 (F=-303), 12-29=-352 (F=-303), 11-30=-352		Vert: 15=21 (F), 24=-381 (F),	25=-374 (F), 2	26=-1308		Vert: 1-3=-28, 3-4=-28, 4-7=-43, 7-8=-38, 17-27=-19 27-29=-323 (F=-303), 12-29=-352 (F=-303),
(F=-303), 12-30=-323		4.5	(F), 28=97 (B)	Internal) 4-1	Dorella		12-30=-323 (F=-303), 11-30=-352 (F=-303),
(F=-303), 12-30=-323 (F=-303), 9-11=-323 (15)	Dead + 0.6 MWFRS Wind (Neg. Lumber Increase=1.60, Plate Inc		-arailel:		9-11=-323 (F=-303)
(F=-303), 9-11=-323 (Concentrated Loads (lb)			Uniform Loads (lb/ft)				Horz: 1-3=-11, 3-4=-11
(F=-303), 9-11=-323 (Concentrated Loads (lb) Vert: 15=-828 (F), 24=	=-1109 (F), 25=-1106 (F),						Concentrated Loads (lb)
(F=-303), 9-11=-323 (Concentrated Loads (lb) Vert: 15=-828 (F), 24= 26=-3887 (F), 28=-33	7 (B)	or	Vert: 1-3=-4, 3-4=-4, 4-7=-14,	7-8=-8, 17-27	′=-19,		
(F=-303), 9-11=-323 (Concentrated Loads (lb) Vert: 15=-828 (F), 24= 26=-3887 (F), 28=-33 Dead + 0.6 MWFRS Wir	7 (B) nd (Pos. Internal) Left: Lumbo	er	Vert: 1-3=-4, 3-4=-4, 4-7=-14, 9-27=-119 (F=-100)	7-8=-8, 17-27	′=-19,		Vert: 15=-38 (F), 24=-370 (F), 25=-363 (F), 26=-127
(F=-303), 9-11=-323 (Concentrated Loads (lb) Vert: 15=-828 (F), 24= 26=-3887 (F), 28=-33	7 (B) nd (Pos. Internal) Left: Lumbo	er	Vert: 1-3=-4, 3-4=-4, 4-7=-14, 9-27=-119 (F=-100) Horz: 1-3=-15, 3-4=-15	7-8=-8, 17-27	′=-19,	23)	Vert: 15=-38 (F), 24=-370 (F), 25=-363 (F), 26=-127 (F), 28=50 (B)
(F=-303), 9-11=-323 (Concentrated Loads (lb) Vert: 15=-828 (F), 24- 26=-3887 (F), 28=-33 Dead + 0.6 MWFRS Wir Increase=1.60, Plate Inc Uniform Loads (lb/ft)	7 (B) nd (Pos. Internal) Left: Lumbo	er	Vert: 1-3=-4, 3-4=-4, 4-7=-14, 9-27=-119 (F=-100) Horz: 1-3=-15, 3-4=-15 Concentrated Loads (lb)			23)	Vert: 15=-38 (F), 24=-370 (F), 25=-363 (F), 26=-127 (F), 28=50 (B)
(F=-303), 9-11=-323 (Concentrated Loads (lb) Vert: 15=-828 (F), 24- 26=-3887 (F), 28=-33 Dead + 0.6 MWFRS Wir Increase=1.60, Plate Inc Uniform Loads (lb/ft)	7 (B) nd (Pos. Internal) Left: Lumbo rease=1.33	er	Vert: 1-3=-4, 3-4=-4, 4-7=-14, 9-27=-119 (F=-100) Horz: 1-3=-15, 3-4=-15			23)	Vert: 15=-38 (F), 24=-370 (F), 25=-363 (F), 26=-127 (F), 28=50 (B) Dead + 0.75 Snow (bal.) + 0.75 Uninhab. Attic Storage

Continued on page 3 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 **ANSUTPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job	Truss	Truss Typ	De	Qty	Ply	MIKE S	HEAN / FRANK RESIDENCE	
20010112	E4	Piggyba	ck Base Girder	1	2	Joh Re	ference (optional)	E14115614
Carter Components (Sanford), S	anford, NC - 27332,		Run: 8.33 S Feb 13	2020 Print: 8.			ek Industries, Inc. Wed Feb 26 11:26:04	Page: 3
27-29=-323 (F=-303 12-30=-323 (F=-303 9-11=-323 (F=-303) Horz: 1-3=-4, 3-4=-4	4	19, 30)	4th Dead + 0.75 Snow (Unbal. L Attic Storage + 0.75 Attic Floor: Plate Increase=1.15 Uniform Loads (Ib/ft) Vert: 1-3=-49, 3-4=-25, 4-7=-2	eft) + 0.75 L Lumber Incr 25, 7-8=-25,	Jninhab. ease=1.15, 17-27=-19,	-	PQLOnGhFAhqDrrU3dbYdWYzhHPH Vert: 1-3=-27, 3-4=-27, 4-5=-6 17-27=-19, 9-27=-119 (F=-100 Concentrated Loads (lb) Vert: 15=-749 (F), 24=-920 (F) 26=-2607 (F), 28=-382 (B)) , 25=-881 (F),
(F), 28=50 (B) 24) Dead + 0.75 Roof Live	=-370 (F), 25=-363 (F), 26=-1 (bal.) + 0.75 Uninhab. Attic VFRS Wind (Neg. Int) Left):		27-29=-323 (F=-303), 12-29= 12-30=-323 (F=-303), 11-30= 9-11=-323 (F=-303) Concentrated Loads (lb) Vert: 15=-828 (F), 24=-1109 (26=-3887 (F), 28=-337 (B) 5th Dead + 0.75 Snow (Unbal. F	·352 (F=-30 F), 25=-110	3), 6 (F),	39)	13th Unbal.Dead + 0.75 Snow (b Uninhab. Attic Storage + 0.75 Att Lumber Increase=1.15, Plate Inc Uniform Loads (lb/ft) Vert: 1-3=-25, 3-4=-25, 4-7=-7 27-29=-323 (F=-303), 12-29=- 12-30=-323 (F=-303), 11-30=-	ic Floor + Parallel: rease=1.15 2, 7-8=-72, 17-27=-19, 352 (F=-303),
27-29=-323 (F=-303 12-30=-323 (F=-303 9-11=-323 (F=-303) Horz: 1-3=5, 3-4=9 Concentrated Loads (I Vert: 15=-38 (F), 24 (F), 28=50 (B)			Attic Storage + 0.75 Attic Floor: Plate Increase=1.15 Uniform Loads (lb/ft) Vert: 1-3=-25, 3-23=-44, 4-23 17-27=-19, 27-29=-323 (F=-30 (F=-303), 12-30=-323 (F=-303) (F=-303), 9-11=-323 (F=-303) Concentrated Loads (lb) Vert: 15=-828 (F), 24=-1109 (=-40, 4-7=-2)3), 12-29=- 3), 11-30=-3	25, 7-8=-25, 352 52		9-11=-323 (F=-303) Concentrated Loads (lb) Vert: 15=-828 (F), 24=-1109 (F 26=-3887 (F), 28=-337 (B) 14th Unbal.Dead + 0.75 Snow (b Uninhab. Attic Storage + 0.75 Att Lumber Increase=1.15, Plate Inc Uniform Loads (lb/ft) Vert: 1-3=-25, 3-4=-72, 4-7=-2	alanced) + 0.75 ic Floor + Parallel: rease=1.15
Storage + 0.75(0.6 MV Lumber Increase=1.60 Uniform Loads (lb/ft) Vert: 1-3=-43, 3-4=- 27-29=-323 (F=-303	VFRŚ Wind (Neg. Int) Right):), Plate Increase=1.33 43, 4-7=-37, 7-8=-4, 17-27=-1 3), 12-29=-352 (F=-303), 3), 11-30=-352 (F=-303), 5	32) 9,	26=-3887 (F), 28=-337 (B) 6th Dead + 0.75 Snow (Unbal. R Attic Storage + 0.75 Attic Floor: Plate Increase=1.15 Uniform Loads (lb/ft) Vert: 1-3=-25, 3-4=-25, 4-5=-5 17-27=-19, 27-29=-323 (F=-30 (F=-303), 12-30=-323 (F=-303) (F=-303), 9-11=-323 (F=-303)	ight) + 0.75 _umber Incr 55, 5-7=-40, 03), 12-29=- 3), 11-30=-3	Uninhab. ease=1.15, 7-8=-40, -352		27-29=-323 (F=-303), 12-29=- 12-30=-323 (F=-303), 11-30=- 9-11=-323 (F=-303) Concentrated Loads (lb) Vert: 15=-828 (F), 24=-1109 (F 26=-3887 (F), 28=-337 (B) 15th Unbal.Dead + 0.75 Snow (u Attic Storage + 0.75(0.6 MWFRS + Parallel: Lumber Increase=1.60	352 (F=-303), 352 (F=-303), ^F), 25=-1106 (F), nbal.) + 0.75 Uninhab. Wind (Neg. Int) Left)
 (F), 28=50 (B) Dead + 0.75 Roof Live Storage + 0.75(0.6 MW Parallel): Lumber Incre Uniform Loads (lb/ft) Vert: 1-3=-37, 3-4=- 27-29=-323 (F=-303) 	=-370 (F), 25=-363 (F), 26=-1: (bal.) + 0.75 Uninhab. Attic VFRS Wind (Neg. Int) 1st pase=1.60, Plate Increase=1.3 37, 4-7=-44, 7-8=-11, 17-27=- 3), 12-29=-352 (F=-303), 4), 11-30=-352 (F=-303),	33) 3	Concentrated Loads (lb) Vert: 15=-828 (F), 24=-1109 (26=-3887 (F), 28=-337 (B) 7th Unbal.Dead + Snow (balanc Increase=1.15, Plate Increase=1 Uniform Loads (lb/tt) Vert: 1-3=-27, 3-4=-27, 4-7=-5 9-27=-119 (F=-100) Concentrated Loads (lb)	ed) + Parallo .15	el: Lumber		Uniform Loads (lb/ft) Vert: 1-3=-30, 3-4=-34, 4-7=-6 27-29=-323 (F=-303), 12-29=- 12-30=-323 (F=-303), 11-30=- 9-11=-323 (F=-303) Horz: 1-3=5, 3-4=9 Concentrated Loads (lb) Vert: 15=-38 (F), 24=-370 (F), (F), 28=50 (B)	352 (F=-303), 352 (F=-303),
9-11=-323 (F=-303) Horz: 1-3=-11, 3-4= Concentrated Loads (I Vert: 15=-38 (F), 24 (F), 28=50 (B) 27) Dead + 0.75 Roof Live Storage + 0.75(0.6 MV Parallel): Lumber Incre Uniform Loads (Ib/ft) Vert: 1-3=-44, 3-4=-	-11	9,	Vert: 15=-749 (F), 24=-920 (F 26=-2607 (F), 28=-382 (B) 8th Unbal.Dead + Snow (balanc Increase=1.15, Plate Increase=1 Uniform Loads (lb/ft) Vert: 1-3=-27, 3-4=-90, 4-7=-2 9-27=-119 (F=-100) Concentrated Loads (lb) Vert: 15=-749 (F), 24=-920 (F 26=-2607 (F), 28=-382 (B)	ed) + Paralle .15 27, 7-8=-27,), 25=-881 (el: Lumber 17-27=-19, F),		(1), 20-30 (D) 16th Unbal.Dead + 0.75 Snow (u Attic Storage + 0.75(0.6 MWFRS + Parallel: Lumber Increase=1.60 Uniform Loads (lb/ft) Vert: 1-3a=30, 3-4=-81, 4-7=-1 27-29=-323 (F=-303), 12-29=- 12-30=-323 (F=-303), 11-30=- 9-11=-323 (F=-303) Horz: 1-3=5, 3-4=9 Concentrated Loads (lb) Vert: 15=-38 (F), 24=-370 (F),	Wind (Neg. Int) Left)), Plate Increase=1.33 4, 7-8=-17, 17-27=-19, 352 (F=-303), 352 (F=-303),
12-30=-323 (F=-303 9-11=-323 (F=-303) Horz: 1-3=-4, 3-4=- Concentrated Loads (I Vert: 15=-38 (F), 24 (F), 28=50 (B) 28) Dead + Minimum Snov	3), 11-30=-352 (F=-303), 4	te	9th Unbal.Dead + Snow (Unbal. Lumber Increase=1.15, Plate Inc Uniform Loads (lb/ft) Vert: 1-3=-27, 3-23=-46, 4-23 17-27=-19, 9-27=-119 (F=-10) Concentrated Loads (lb) Vert: 15=-749 (F), 24=-920 (F 26=-2607 (F), 28=-382 (B)	crease=1.15 =-61, 4-7=-2))), 25=-881 (27, 7-8=-27, F),	'	(F), 28=50 (B) 17th Unbal.Dead + 0.75 Snow (u Attic Storage + 0.75(0.6 MWFRS + Parallel: Lumber Increase=1.60 Uniform Loads (lb/ft) Vert: 1-3=-20, 3-4=-20, 4-7=-6 27-29=-323 (F=-303), 12-29=-	nbal.) + 0.75 Uninhab. Wind (Neg. Int) Right)), Plate Increase=1.33 1, 7-8=-57, 17-27=-19, 352 (F=-303),
9-27=-119 (F=-100) Concentrated Loads (I	b) 4=-920 (F), 25=-881 (F),	,	10th Unbal.Dead + Snow (Unba Lumber Increase=1.15, Plate Inc Uniform Loads (Ib/ft) Vert: 1-3=-59, 3-4=-27, 4-7=-2 9-27=-119 (F=-100) Concentrated Loads (Ib) Vert: 15=-749 (F), 24=-920 (F	crease=1.15 27, 7-8=-27,	17-27=-19		12-30=-323 (F=-303), 11-30=- 9-11=-323 (F=-303) Horz: 1-3=-6, 3-4=-6 Concentrated Loads (lb) Vert: 15=-38 (F), 24=-370 (F), (F), 28=50 (B) 18th Unbal.Dead + 0.75 Snow (u	25=-363 (F), 26=-1275
29) 3rd Dead + 0.75 Snow Attic Storage + 0.75 A Plate Increase=1.15 Uniform Loads (lb/ft) Vert: 1-3=-25, 3-23= 17-27=-19, 27-29=- (F=-303), 12-30=-32	 (Unbal. Left) + 0.75 Uninhab. ttic Floor: Lumber Increase=1. -40, 4-23=-51, 4-7=-25, 7-8=-323 (F=-303), 12-29=-352 23 (F=-303), 11-30=-352 	15, 37)	26=2607 (F), 28=-382 (B) 11th Unbal.Dead + Snow (Unba Lumber Increase=1.15, Plate Inc Uniform Loads (Ib/ft) Vert: 1-3=-27, 3-23=-52, 4-23 17-27=-19, 9-27=-119 (F=-10) Concentrated Loads (Ib)	. Right) + P crease=1.15 =-46, 4-7=-2	arallel:		Attic Storage + 0.75(0.6 MWFRS + Parallel: Lumber Increase=1.60 Uniform Loads (lb/ft) Vert: 1-3=-20, 3-4=-67, 4-7=-1 27-29=-323 (F=-303), 12-29=- 12-30=-323 (F=-303), 11-30=- 9-11=-323 (F=-303)	Wind (Neg. Int) Right)), Plate Increase=1.33 4, 7-8=-10, 17-27=-19, 352 (F=-303),
(F=-303), 9-11=-323 Concentrated Loads (I	3 (F=-303)		Vert: 15=-749 (F), 24=-920 (F 26=-2607 (F), 28=-382 (B)), 25=-881 (F),		Horz: 1-3=-6, 3-4=-6 Concentrated Loads (lb) Vert: 15=-38 (E) 24=-370 (E)	25- 262 (E) 26- 127

Vert: 15=-828 (F), 24=-1109 (F), 25=-1106 (F), 26=-3887 (F), 28=-337 (B)

38) 12th Unbal.Dead + Snow (Unbal. Right) + Parallel: Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (lb/ft)

Vert: 15=-38 (F), 24=-370 (F), 25=-363 (F), 26=-1275 (F), 28=50 (B)

Continued on page 4. WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 ANS/TP1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job		Truss	Truss Typ	pe	Qty	Ply	MIKE S	HEAN / FRANK RESIDENCE
2001	0112	E4	Piggyba	ck Base Girder	1	2		E14115614 ference (optional)
	Components (Sanford), Sa	nford, NC - 27332,	007		2020 Print: 8.3			ek Industries, Inc. Wed Feb 26 11:26:04 Page: 4
								PQLOnGhFAhqDrrU3dbYdWYzhHPH
Â P	Attic Storage + 0.75(0.6 Parallel): Lumber Increa Jniform Loads (lb/ft) Vert: 1-3=-14, 3-4=-1	5 Snow (unbal.) + 0.75 Uninha 5 MWFRS Wind (Neg. Int) 1st ase=1.60, Plate Increase=1.3 4, 4-7=-68, 7-8=-64, 17-27=-	3 19,	Vert: 1-3=-19, 3-4=-19, 4-7=-5 9-27=-119 (F=-100) Concentrated Loads (lb) Vert: 15=-888 (F), 24=-1069 (f 26=-2961 (F), 28=-417 (B)	⁻), 25=-1021	(F),		Vert: 1-3=5, 3-4=5, 4-7=5, 7-8=9, 17-27=-12, 9-27=-112 (F=-100) Horz: 1-3=-16, 3-4=-16 Concentrated Loads (lb) Vert: 15=-500 (F), 24=-634 (F), 25=-622 (F),
С	12-30=-323 (F=-303) 9-11=-323 (F=-303) Horz: 1-3=-11, 3-4=- Concentrated Loads (lb Vert: 15=-38 (F), 24=		,	3rd Dead + 0.75 Roof Live (unba Uninhab. Attic Storage + 0.75 Att Increase=1.15, Plate Increase=1 Uniform Loads (lb/ft) Vert: 1-3=-48, 3-4=-48, 4-7=-4 27-29=-323 (F=-303), 12-29=-	ic Floor: Lui .15 8, 7-8=-19, 352 (F=-303	mber 17-27=-19, 3),	,	26=-1998 (F), 28=-260 (B) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.33 Uniform Loads (Ib/ft) Vert: 1-3=14, 3-4=14, 4-7=5, 7-8=-1, 17-27=-12, 9-27=-112 (F=-100)
Â	Attic Storage + 0.75(0.6	5 Snow (unbal.) + 0.75 Uninha 5 MWFRS Wind (Neg. Int) 1st ase=1.60, Plate Increase=1.3	3	12-30=-323 (F=-303), 11-30=- 9-11=-323 (F=-303) Concentrated Loads (Ib) Vert: 15=-933 (F), 24=-1221 (I 26=-4152 (F), 28=-363 (B)	⁻), 25=-1211	(F),	62)	Horz: 1-3=-26, 3-4=-26 Concentrated Loads (lb) Vert: 15=-500 (F), 24=-634 (F), 25=-622 (F), 26=-1998 (F), 28=-260 (B) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 4th
С	27-29=-323 (F=-303) 12-30=-323 (F=-303) 9-11=-323 (F=-303) Horz: 1-3=-11, 3-4=- Concentrated Loads (Ib		-, ,	4th Dead + 0.75 Roof Live (unba Uninhab. Attic Storage + 0.75 Att Increase=1.15, Plate Increase=1 Uniform Loads (lb/ft) Vert: 1-3=-19, 3-4=-19, 4-7=-4 27-29=-323 (F=-303), 12-29=- 12-30=-323 (F=-303), 11-30=- 9-11=-323 (F=-303)	ic Floor: Lui .15 8, 7-8=-19, 352 (F=-303	mber 17-27=-19, 3),		Parallel: Lumber Increase=1.60, Plate Increase=1.33 Uniform Loads (lb/ft) Vert: 1-3=5, 3-4=5, 4-7=5, 7-8=9, 17-27=-12, 9-27=-112 (F=-100) Horz: 1-3=-16, 3-4=-16 Concentrated Loads (lb) Vert: 15=-500 (F), 24=-634 (F), 25=-622 (F), 26=-1998 (F), 28=-260 (B)
Â P	1st Unbal.Dead + 0.75 Attic Storage + 0.75(0.6 Parallel): Lumber Increa Jniform Loads (lb/ft)	5 Snow (unbal.) + 0.75 Uninha 5 MWFRS Wind (Neg. Int) 2nd ase=1.60, Plate Increase=1.3	d 3 55)	Concentrated Loads (lb) Vert: 15=-933 (F), 24=-1221 (F 26=-4152 (F), 28=-363 (B) Reversal: Dead + 0.6 MWFRS W	ind (Pos. In	ternal)	63)	Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.33 Uniform Loads (lb/ft) Vert: 1-3=-4, 3-4=-4, 4-7=-14, 7-8=-8, 17-27=-19,
C	27-29=-323 (F=-303)	1, 4-7=-68, 7-8=-57, 17-27=- , 12-29=-352 (F=-303), , 11-30=-352 (F=-303),	19,	Left: Lumber Increase=1.60, Plat Uniform Loads (lb/ft) Vert: 1-3=-7, 3-4=-13, 4-7=14, 9-27=-112 (F=-100) Horz: 1-3=-5, 3-4=1 Concentrated Loads (lb)				9-27=-119 (F=-100) Horz: 1-3=-15, 3-4=-15 Concentrated Loads (lb) Vert: 15=-489 (F), 24=-623 (F), 25=-611 (F), 26=-1965 (F), 28=-252 (B)
48) 2: U	Vert: 15=-38 (F), 24= (F), 28=50 (B) 2nd Unbal.Dead + 0.75 Jninhab. Attic Storage	370 (F), 25=-363 (F), 26=-12 5 Snow (unbal.) + 0.75 + 0.75(0.6 MWFRS Wind (Ne	56)	Vert: 15=-500 (F), 24=-634 (F) 26=-1998 (F), 28=-260 (B) Reversal: Dead + 0.6 MWFRS W Right: Lumber Increase=1.60, PI	/ind (Pos. In	ternal)	64)	Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.33 Uniform Loads (lb/ft) Vert: 1-3=-14, 3-4=-14, 4-7=-14, 7-8=1, 17-27=-19,
Ir	ncrease=1.33 Jniform Loads (lb/ft) Vert: 1-3=-21, 3-4=-6 27-29=-323 (F=-303)	er Increase=1.60, Plate 18, 4-7=-21, 7-8=-10, 17-27=- , 12-29=-352 (F=-303), , 11-30=-352 (F=-303),	19,	Uniform Loads (lb/ft) Vert: 1-3=7, 3-4=7, 4-7=14, 7- 9-27=-112 (F=-100) Horz: 1-3=-19, 3-4=-18 Concentrated Loads (lb) Vert: 15=-500 (F), 24=-634 (F)	,			9-27=-119 (F=-100) Horz: 1-3=-6, 3-4=-6 Concentrated Loads (lb) Vert: 15=-489 (F), 24=-623 (F), 25=-611 (F), 26=-1965 (F), 28=-252 (B)
С	9-11=-323 (F=-303) Horz: 1-3=-4, 3-4=-4 Concentrated Loads (lb Vert: 15=-38 (F), 24= (F), 28=50 (B)) -370 (F), 25=-363 (F), 26=-12	,	26=-1998 (F), 28=-260 (B) Reversal: Dead + 0.6 MWFRS W Left: Lumber Increase=1.60, Plat Uniform Loads (lb/ft) Vert: 1-3=-25, 3-4=-31, 4-7=-4	/ind (Neg. Ir e Increase=	iternal) 1.33	65)	Reversal: Dead + 0.75 Snow (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.33 Uniform Loads (lb/ft) Vert: 1-3=-44, 3-4=-48, 4-7=-35, 7-8=-38, 17-27=-19, 27-29=-323 (F=-303), 12-29=-352 (F=-303),
lr U	ncrease=1.15, Plate In Jniform Loads (lb/ft) Vert: 1-3=-27, 3-4=-2 9-27=-119 (F=-100)	7, 4-7=-90, 7-8=-90, 17-27=-		9-27=-119 (F=-100) Horz: 1-3=6, 3-4=12 Concentrated Loads (lb) Vert: 15=-489 (F), 24=-623 (F) 26=-1965 (F), 28=-252 (B)	, 25=-611 (F	=),		12-30=-323 (F=-303), 11-30=-352 (F=-303), 9-11=-323 (F=-303) Horz: 1-3=5, 3-4=9 Concentrated Loads (lb) Vert: 15=-771 (F), 24=-1008 (F), 25=-1006 (F),
50) 2	26=-2607 (F), 28=-38 4th Unbal.Dead + Mini	=-920 (F), 25=-881 (F), 32 (B) imum Snow + Parallel: Lumbe	58) er	Reversal: Dead + 0.6 MWFRS W Right: Lumber Increase=1.60, Pl Uniform Loads (lb/ft) Vert: 1-3=-12, 3-4=-12, 4-7=-4	ate Increase	e=1.33	66)	26=-3484 (F), 28=-322 (B) Reversal: Dead + 0.75 Snow (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.33
U	9-27=-119 (F=-100) Concentrated Loads (Ib Vert: 15=-749 (F), 24	0, 4-7=-27, 7-8=-27, 17-27=-) =-920 (F), 25=-881 (F),		9-27=-119 (F=-100) Horz: 1-3=-8, 3-4=-7 Concentrated Loads (lb) Vert: 15=-489 (F), 24=-623 (F) 26=-1965 (F), 28=-252 (B) Reversal: Dead + 0.6 MWFRS W	/ind (Pos. In	ternal) 1st		Uniform Loads (lb/ft) Vert: 1-3=-34, 3-4=-34, 4-7=-35, 7-8=-31, 17-27=-19, 27-29=-323 (F=-303), 12-29=-352 (F=-303), 12-30=-323 (F=-303), 11-30=-352 (F=-303), 9-11=-323 (F=-303) Horz: 1-3=-6, 3-4=-6
ÍIr	26=-2607 (F), 28=-38 st Dead + Roof Live (u ncrease=1.15, Plate In Jniform Loads (lb/ft) Vert: 1-3=-58, 3-4=-5 9-27=-119 (F=-100)	inbalanced): Lumber	19,	Parallel: Lumber Increase=1.60, Uniform Loads (lb/ft) Vert: 1-3=14, 3-4=14, 4-7=5, 7 9-27=-112 (F=-100) Horz: 1-3=-26, 3-4=-26 Concentrated Loads (lb)			67)	Concentrated Loads (lb) Vert: 15=-771 (F), 24=-1008 (F), 25=-1006 (F), 26=-3484 (F), 28=-322 (B) Reversal: Dead + 0.75 Snow (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase-1 60 Plate Increase-1 33
52) 2 Ir	Concentrated Loads (Ib	.=-1069 (F), 25=-1021 (F), I7 (B) unbalanced): Lumber	60)	Concentrated Loads (lb) Vert: 15=-500 (F), 24=-634 (F) 26=-1998 (F), 28=-260 (B) Reversal: Dead + 0.6 MWFRS W Parallel: Lumber Increase=1.60, Uniform Loads (lb/ft)	/ind (Pos. In	ternal) 2nd	I	Parallel): Lumber Increase=1.60, Plate Increase=1.33 Uniform Loads (lb/ft) Vert: 1-3=-28, 3-4=-28, 4-7=-43, 7-8=-38, 17-27=-19, 27-29=-323 (F=-303), 12-29=-352 (F=-303), 12-30=-323 (F=-303), 11-30=-352 (F=-303), 9-11=-323 (F=-303) Horz: 1-3=-11, 3-4=-11

Continued on page 5 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 **ANSUTPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job Truss		Truss Typ	De	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
200	010112	E4	Piggyba	ck Base Girder	1	2	Job Reference (optional)
Carte	er Components (Sanford), Sa	anford, NC - 27332,					3 2020 MiTek Industries, Inc. Wed Feb 26 11:26:04 Page: 5
68)	26=-3484 (F), 28=-3; Reversal: Dead + 0.75 Attic Storage + 0.75(0.6 Parallel): Lumber Increa Uniform Loads (lb/ft) Vert: 1-3=-35, 3-4=-3 27-29=-323 (F=-303)	–-1008 (F), 25=-1006 (F),	3	ID:_seP9BQCJmuaw Reversal: 16th Unbal.Dead + 0.7 0.75 Uninhab. Attic Storage + 0.7 (Neg. Int) Left) + Parallel: Lumbe Increase=1.33 Uniform Loads (Ib/ft) Vert: 1-3=-30, 3-4=-81, 4-7=-1 27-29=-323 (F=-303), 12-29=- 12-30=-323 (F=-303), 11-30=- 9-11=-323 (F=-303) Horz: 1-3=5, 3-4=9 Concentrated Loads (Ib) Vert: 15=-771 (F), 24=-1008 (F	5 Snow (un '5(0.6 MWF r Increase= 4, 7-8=-17, 352 (F=-303 352 (F=-303	bal.) + RS Wind 1.60, Plate 17-27=-19 3), 3),	0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate
69)	26=-3484 (F), 28=-32 Reversal: Dead + 0.75 Attic Storage + 0.75(0.6 Lumber Increase=1.60, Uniform Loads (lb/ft) Vert: 1-3=-53, 3-4=-5 27-29=-323 (F=-303)	, =-1008 (F), 25=-1006 (F), 22 (B) Roof Live (bal.) + 0.75 Uninha δ MWFRS Wind (Neg. Int) Left	ıb. i):	26=-3484 (F), 28=-322 (B) Reversal: 17th Unbal.Dead + 0.7 0.75 Uninhab. Attic Storage + 0.7 (Neg. Int) Right) + Parallel: Lumb Plate Increase=1.33 Uniform Loads (lb/ft) Vert: 1-3=-20, 3-4=-20, 4-7=-6 27-29=-323 (F=-303), 11-30=- 9-11=-323 (F=-303) Horz: 1-3=-6, 3-4=-6	75(0.6 MWF er Increase 1, 7-8=-57, 352 (F=-303	RS Wind = 1.60, 17-27=-19 3),	Concentrated Loads (lb) Vert: 15=-771 (F), 24=-1008 (F), 25=-1006 (F), 26=-3484 (F), 28=-322 (B)
70)	Horz: 1-3=5, 3-4=9 Concentrated Loads (lb Vert: 15=-850 (F), 24 26=-3683 (F), 28=-33 Reversal: Dead + 0.75 Attic Storage + 0.75(0.6 Right): Lumber Increas Uniform Loads (lb/ft) Vert: 1-3=-43, 3-4=-4	–-1092 (F), 25=-1084 (F),	ıb.	Concentrated Loads (lb) Vert: 15=-771 (F), 24=-1008 (f 26=-3484 (F), 28=-322 (B) Reversal: 18th Unbal.Dead + 0.7 0.75 Uninhab. Attic Storage + 0.1 (Neg. Int) Right) + Parallel: Lumb Plate Increase=1.33 Uniform Loads (lb/ft) Vert: 1-3=-20, 3-4=-67, 4-7=-1 27-29=-323 (F=-303), 12-29=-	5 Snow (un ′5(0.6 MWF er Increase 4, 7-8=-10,	bal.) + TRS Wind =1.60, 17-27=-19	,
71)	12-30=-323 (F=-303) 9-11=-323 (F=-303) Horz: 1-3=-6, 3-4=-6 Concentrated Loads (Ib Vert: 15=-850 (F), 24 26=-3683 (F), 28=-33 Reversal: Dead + 0.75 Attic Storage + 0.75(0.6 Parallel): Lumber Increa Uniform Loads (Ib/ft) Vert: 1-3=-37, 3-4=-2 27-29=-323 (F=-303)), 11-30=-352 (F=-303), H=-1092 (F), 25=-1084 (F), 37 (B) Roof Live (bal.) + 0.75 Uninha 3 MWFRS Wind (Neg. Int) 1st ase=1.60, Plate Increase=1.33 37, 4-7=-44, 7-8=-11, 17-27=-1), 12-29=-352 (F=-303), 11-30=-352 (F=-303),	3	12-30=-323 (F=-303), 11-30=- 9-11=-323 (F=-303) Horz: 1-3=-6, 3-4=-6 Concentrated Loads (lb) Vert: 15=-771 (F), 24=-1008 (f 26=-3484 (F), 28=-322 (B) Reversal: 19th Unbal.Dead + 0.7 0.75 Uninhab. Attic Storage + 0.1 (Neg. Int) 1st Parallel): Lumber In Increase=1.33 Uniform Loads (lb/ft) Vert: 1-3=-14, 3-4=-14, 4-7=-6 27-29=-323 (F=-303), 12-29=- 12-30=-323 (F=-303), 11-30=- 9-11=-323 (F=-303)	5), 25=-1006 5 Snow (un 5(0.6 MWF hcrease=1.6 8, 7-8=-64, 352 (F=-303	6 (F), bal.) + RS Wind 50, Plate 17-27=-19 3),	
72)	Concentrated Loads (lb Vert: 15=-850 (F), 24 26=-3683 (F), 28=-3: Reversal: Dead + 0.75 Attic Storage + 0.75(0.6 Parallel): Lumber Incre: Uniform Loads (lb/ft)) I=-1092 (F), 25=-1084 (F),	1 78) 3	0.75 Uninhab. Attic Storage + 0.7 (Neg. Int) 1st Parallel): Lumber In Increase=1.33	5 Snow (un /5(0.6 MWF	bal.) + RS Wind	
73)	27-29=-323 (F=-303) 12-30=-323 (F=-303) 9-11=-323 (F=-303) Horz: 1-3=-4, 3-4=-4 Concentrated Loads (Ib Vert: 15=-850 (F), 24 26=-3683 (F), 28=-33 Reversal: 15th Unbal.D 0.75 Uninhab. Attic Sto), 12-29=-352 (F=-303),), 11-30=-352 (F=-303),)) 1=-1092 (F), 25=-1084 (F), 37 (B) lead + 0.75 Snow (unbal.) + rage + 0.75(0.6 MWFRS Winc	79)	Uniform Loads (lb/ft) Vert: 1-3=-14, 3-4=-61, 4-7=-2 27-29=-323 (F=-303), 12-29=- 12-30=-323 (F=-303), 11-30=- 9-11=-323 (F=-303) Horz: 1-3=-11, 3-4=-11 Concentrated Loads (lb) Vert: 15=-771 (F), 24=-1008 (f 26=-3484 (F), 28=-322 (B) Reversal: 21st Unbal.Dead + 0.7	352 (F=-300 352 (F=-300 F), 25=-1006	3), 3), 6 (F),	
	Increase=1.33 Uniform Loads (lb/ft) Vert: 1-3=-30, 3-4=-3 27-29=-323 (F=-303) 12-30=-323 (F=-303) 9-11=-323 (F=-303) Horz: 1-3=5, 3-4=9 Concentrated Loads (lb	l=-1008 (F), 25=-1006 (F),	ite '	Neversar. 21st Ofbal. 964 + 0.7 Uninhab. Attic Storage + 0.75(0.1 Int) 2nd Parallel): Lumber Increas Increase=1.33 Uniform Loads (lb/ft) Vert: 1-3=-21, 3-4=-21, 4-7=-6 27-29=-323 (F=-303), 12-29=- 12-30=-323 (F=-303), 11-30=- 9-11=-323 (F=-303) Horz: 1-3=-4, 3-4=-4 Concentrated Loads (lb)	8 MWFRS V se=1.60, Pla 8, 7-8=-57, 352 (F=-303	Vind (Neg. ate 17-27=-19 3),	

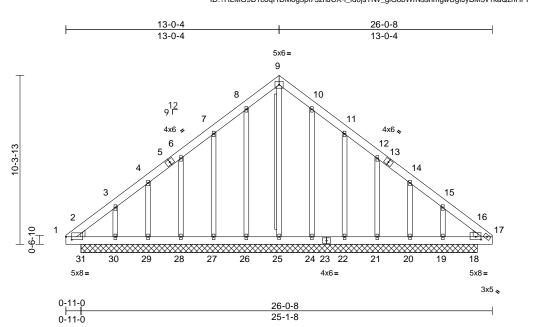
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 **ANS/TPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE				
20010112	E5	Common Supported Gable	1	1	Job Reference (optional)	E14115615			

Run: 8.33 S Feb 13 2020 Print: 8.330 S Feb 13 2020 MiTek Industries, Inc. Wed Feb 26 11:26:06 ID:?HLMG9B1coqI1DMog5pi73zhJCX-i_fd0jsTNv_giG8bWrNsshmgwUgIJyBM5v1kaQzhHPF

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Scale = 1:70.4		H 0-1
Plate Offsets (X, Y):	[1.0-4-4 0-2-2]	[18.0-4-0.0-2

$\frac{\text{Scale} = 1:70.4}{\text{Plate Offsets (2)}}$	X, Y): [1:0-4-4,0-2-2], [18:0-4-0,0-2-0]										
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL	(psf) 20.0 13.9/20.0 10.0 0.0*	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-11-4 1.15 1.15 YES IRC2015/TPI2014	CSI TC BC WB Matrix-N	0.06 0.15	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00		- n/a - n/a	L/d 999 999 n/a	PLATES MT20	GRIP 244/190
BCDL	10.0										Weight: 225 I	b FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD	2x6 SP No.2 *Exce 2.0E 2x4 SP No.3 *Exce 25-9,26-8,27-7,24- Structural wood sh 6-0-0 oc purlins.	10,22-11:2x4 SP No.2 eathing directly applie	d or		1=131 (LC 10), 1 18=137 (LC 25), 20=162 (LC 25), 22=167 (LC 25), 25=143 (LC 27), 27=165 (LC 24), 29=162 (LC 24), 31=140 (LC 24), 34=112 (LC 14) 1=528 (LC 11), 1	19=168 (LC 21=162 (LC 24=160 (LC 26=165 (LC 28=162 (LC 30=168 (LC 32=131 (LC	25), 25), 25), 24), 24), 24), 10),	Va Ca E> ve fo D(3) T or	asd=103m at. II; Exp xterior (2) ertical left a rces & MV OL=1.60 p russ desig nly. For st	ph; TC B; Enc zone; (and rig VFRS f blate gr gned fo uds ex	CDL=6.0psf; BC closed; MWFRS cantilever left a ht exposed;C-1 for reactions sh rip DOL=1.33 or wind loads in cposed to wind	(3-second gust) CDL=6.0psf; h=25ft; 5 (envelope) and C-C ind right exposed; end C for members and hown; Lumber the plane of the truss (normal to the face), I Details as applicable
BOT CHORD	Rigid ceiling directl bracing.	y applied or 10-0-0 oc			32=528 (LC 11),	34=684 (LC	14)	or	consult q	ualified	d building desig	ner as per ANSI/TPI 1
WEBS REACTIONS	T-Brace: Fasten (2X) T and of web with 10d (0. o.c.,with 3in minim Brace must cover (size) 1=24-2-{ 19=24-2	TOP CHORD	 (lb) - Maximum Compression/Maximum Tension 1-2=-200/153, 2-3=-168/134, 3-4=-131/110, 4-5=-118/82, 5-6=-87/89, 6-7=-107/87, 7-8=-142/144, 8-9=-180/194, 9-10=-180/194, 10-11=-142/144, 11-12=-81/73, 12-13=-40/42, 13-14=-83/35, 14-15=-94/63, 15-16=-142/110, 16-17=-200/156 4) TCLL: ASCE 7-10; Pr=20.0 psf (ro DOL=1.15 Plate DOL=1.15); Pg=2 snow); Pf=13.9 psf (flat roof snow: Plate DOL=1.15); Category II; Exp Ct=1.10 5) All plates are 2x4 MT20 unless oth 6) Gable studs spaced at 2-0-0 oc. * This truss has been designed for 					20.0 psf (ground /: Lumber DOL=1.15 p B; Fully Exp.; therwise indicated.				
	22=24-2 26=24-2 29=24-2 32=24-2 32=24-2 Max Horiz 1=-188 (Max Uplift 1=-104 (18=-34 (20=-34 (2-8, BOT CHORD 2-8, 2), 2), 4), 4),	1-31=-122 29-30=-12 27-28=-12 25-26=-12 23-24=-12 21-22=-12	2/161, 30-31=-122 22/161, 28-29=-12 22/161, 26-27=-12 22/161, 24-25=-12 22/161, 24-25=-12 22/161, 22-23=-12 22/161, 20-21=-12 22/161, 18-19=-12	2/161, 22/161, 22/161, 22/161, 22/161, 22/161,		or 3-	n the botto 06-00 tall nord and a	m choi by 2-0 ny oth	rd in all areas 0-00 wide will f er members	vhere a rectangle it between the bottom	
	22=-43 (26=-19 (28=-34 (30=-38 (32=-104	3), WEBS 3), 3),	9-25=-151/87, 8-26=-127/57, 7-27=-141/99, 6-28=-129/86, 4-29=-130/86, 3-30=-136/92, 2-31=-110/86, 10-24=-121/57, 11-22=-141/99, 12-21=-129/86, 14-20=-130/86, 15-19=-136/92, 16-18=-116/92			,			THILD WAY	(SEAL 036322 GINEER 4. GILBER	
			NOTES 1) Unbalanc this desig		oads have been o	considered fo	ır				Echerus	GINEERA



February 26,2020

Continued on page 2 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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, rection and bracing of trusses and truss systems, see **ANS/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	E5	Common Supported Gable	1	1	Job Reference (optional)	E14115615

- 8) Solid blocking is required on both sides of the truss at joint(s), 1.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 73 lb uplift at joint 17, 19 lb uplift at joint 26, 42 lb uplift at joint 27, 34 lb uplift at joint 28, 34 lb uplift at joint 29, 38 lb uplift at joint 30, 40 lb uplift at joint 31, 15 lb uplift at joint 24, 43 lb uplift at joint 22, 34 lb uplift at joint 21, 34 lb uplift at joint 20, 39 lb uplift at joint 19, 43 lb uplift at joint 18 and 73 lb uplift at joint 17.
- 10) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1. This connection is for uplift only and does not consider lateral forces.
- 11) Non Standard bearing condition. Review required.
- 12) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 13) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S) Standard

Run: 8.33 S. Feb 13 2020 Print: 8.330 S. Feb 13 2020 MiTek Industries. Inc. Wed Feb 26 11:26:06 ID:?HLMG9B1coqI1DMog5pi73zhJCX-i_fd0jsTNv_giG8bWrNsshmgwUgIJyBM5v1kaQzhHPF

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Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	F1	Attic	2	1	Job Reference (optional)	E14115616

Run: 8.33 S Feb 13 2020 Print: 8.330 S Feb 13 2020 MiTek Industries, Inc. Wed Feb 26 11:26:07 ID:V0iV4uMMZ24pt7fSohNC3SzhHrp-i_fd0jsTNv_giG8bWrNsshmU_UeZJx_M5v1kaQzhHPF

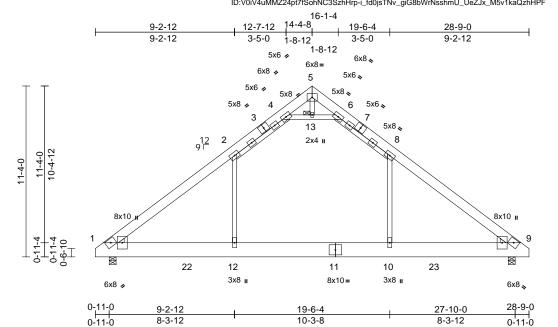


Plate Offsets (X, Y): [1:0-0-13,Edge], [9:0-0-13,Edge]

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 13.9/20.0 10.0 0.0* 10.0	Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 YES IRC2015	5/TPI2014	CSI TC BC WB Matrix-MSH	0.81 0.17 0.22	DEFL Vert(LL) Vert(CT) Horz(CT) Attic	in -0.12 -0.20 0.01 -0.04	10-12 9	l/defl >999 >999 n/a >999		PLATES MT20 Weight: 283 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS WEDGE BRACING TOP CHORD BOT CHORD JOINTS REACTIONS FORCES TOP CHORD BOT CHORD	2x8 SP 2400F 2.0E 2x12 SP 2400F 2.0E 2x4 SP No.2 *Excep No.3 Left: 2x4 SP No.3 Right: 2x4 SP No.3 Structural wood shea 6-0-0 oc purlins. Rigid ceiling directly bracing. 1 Brace at Jt(s): 13 (size) 1=0-5-8, S Max Horiz 1=196 (LC Max Grav 1=1496 (L (lb) - Maximum Com Tension 1-2=-1908/74, 2-3=- 3-4=-1154/196, 4-5= 6-7=-1153/196, 7-8= 1-22=-47/1364, 12-2	t* 5-13,4-2,8-6:2x4 SF athing directly applied applied or 10-0-0 oc 0=0-5-8 C 10) .C 25), 9=1496 (LC 26 pression/Maximum	or 5) 6) 7) 5) 8) 8) 7/74 9) 367, LO	DOL=1.15 Pl snow); Pf=13 Plate DOL=1 Ct=1.10 * This truss h on the botton 3-06-00 tall b chord and ar Ceiling dead 6-13; Wall d Bottom chord chord dead la One RT7A U truss to bear This connect lateral forcess This truss is International R802.10.2 ar	designed in accord Residential Code s nd referenced stand recked for L/360 de	=20.0 p w: Lum xp B; F for a liv where fit betw with BC ember(n memb) and a d only t ommen LIFT at and do ance w sections dard AN	sf (ground ber DOL=1.1 ully Exp.; e load of 20.6 a rectangle veen the bottt DL = 10.0psf s). 2-4, 6-8, 4 ber(s).8-10, 2 dditional bottt o room. 10-1 ded to conne jt(s) 1 and 9. es not consid th the 2015 R502.11.1 a ISI/TPI 1.	5 Opsf 				unin H	
WEBS NOTES 1) Unbalance	8-10=0/789, 2-12=0/ 6-13=-2119/354, 5-1 ed roof live loads have	789, 4-13=-2119/354, 3=-28/288									Con in	A COLOFFE	SSO SFAL

this design.

 Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33 SEAL 036322 February 26,2020

Page: 1



Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	F2	Attic	1	1	Job Reference (optional)	E14115617

Scale = 1:75.9

Run: 8.33 E Feb 13 2020 Print: 8.330 E Feb 13 2020 MiTek Industries, Inc. Wed Feb 26 16:48:14 ID:V0iV4uMMZ24pt7fSohNC3SzhHrp-dfswC33ga8igO8Jzxch4Ak5?QkvGxlx5HZStXwzhDZX

Page: 1

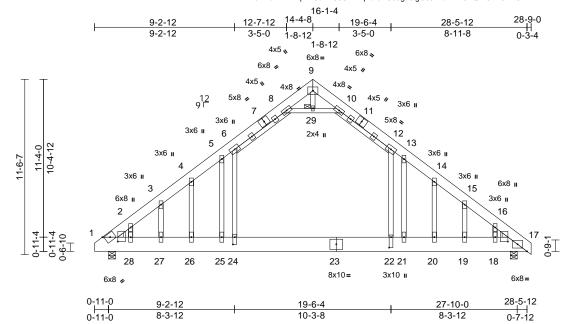


Plate Offsets (X, Y):	[1:0-0-13,Edge], [1:0-3-8,1-0-3], [17:0-3-8,Edge], [17:0-7-12,1-3-2], [22:0-8-4,0-1	-8], [24:0-5-12,0-1-8]

	, .). [], [,,,, [,•],[•,	I,, [,		1	-1					-
Loading	(psf)	Spacing	1-11-4		CSI		DEFL	in		l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15		TC	0.61	Vert(LL)	-0.09	22-24	>999	240	MT20	244/190
Snow (Pf/Pg)	13.9/20.0	Lumber DOL	1.15		BC	0.13	Vert(CT)	-0.14		>999	180		
TCDL	10.0	Rep Stress Incr	YES		WB	0.30	Horz(CT)	0.01	17	n/a	n/a		
BCLL	0.0*	Code	IRC2015	5/TPI2014	Matrix-MSH		Attic	-0.03	22-24	>999	360		
BCDL	10.0											Weight: 321 lb	FT = 20%
LUMBER			1)	Unbalanced	roof live loads ha	ve been o	considered for		LOAD	CASE(S)	Sta	ndard	
TOP CHORD	2x8 SP 2400F 2.0E			this design.									
BOT CHORD	2x12 SP 2400F 2.0E		2)		7-10; Vult=130m								
WEBS	2x4 SP No.2 *Excep	t* 9-29,8-6,12-10:2x4	I SP		oh; TCDL=6.0psf;								
	No.3				3; Enclosed; MWF								
OTHERS	2x4 SP No.3 *Excep	t* 25-5,21-13:2x4 SP	•		one; cantilever le			end					
	No.2				nd right exposed;								
WEDGE	Left: 2x4 SP No.3				FRS for reactions		Lumber						
	Right: 2x4 SP No.3				ate grip DOL=1.3								
BRACING			3)		ed for wind loads								
TOP CHORD	Structural wood she	athing directly applied	d or		ids exposed to wi								
	6-0-0 oc purlins.				d Industry Gable I alified building de								
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 oc	4)		7-10; Pr=20.0 ps								
	bracing.		4)		late DOL=1.15); F			51					
JOINTS	1 Brace at Jt(s): 29				B.9 psf (flat roof si			5					
REACTIONS	(lb/size) 1=993/0-5	5-8, 17=1040/0-5-8			.15); Category II;			0					
	Max Horiz 1=-202 (L	C 9)		Ct=1.10	, euroger,,	_, .	uny 2, pi,						
	Max Grav 1=1360 (L	C 26), 17=1417 (LC	27) 5)		3x8 MT20 unles	s otherwi	se indicated.						
FORCES	(lb) - Max. Comp./M	ax. Ten All forces 2			spaced at 2-0-0 c								
	(lb) or less except w	hen shown.	7)		as been designe		e load of 20.0	psf					
TOP CHORD	1-2=-1654/0, 2-3=-1	601/0, 3-4=-1555/39,	,		n chord in all area								1111111
	4-5=-1718/106, 5-6=	-1817/148,		3-06-00 tall b	y 2-00-00 wide w	vill fit betv	veen the botto	m				all all	CAD
	6-7=-1156/161, 7-8=	-1059/191, 8-9=-28/3	381,	chord and ar	y other members	S.						"aTH	0110/11
	9-10=-28/381, 10-11	,	8)		load (5.0 psf) on			,				NOT HE	Seid Aria
	11-12=-1156/161, 12	,			Wall dead load (5.0psf) or	n member						King
	13-14=-1718/106, 14			(s).12-22, 6-2							Z	and the	Inter
	15-16=-1600/0, 16-1		9)		d live load (40.0 p						1		
BOT CHORD	,	,			oad (0.0 psf) appl						=	: 5	SEAL :
	,	6=0/1248, 24-25=0/1	,		P connectors rec							: 01	36322
		3=0/1252, 21-22=0/1			ing walls due to L						1	. 0.	00522
		0=0/1251, 18-19=0/1	251,		ion is for uplift on	ily and do	es not conside	er			-		
WEBS	17-18=0/1251	4- 42/1064		lateral forces			th the 2015				5		airs
WED3	12-22=-42/1064, 6-2 8-29=-1735/291, 10-	,	11		designed in acco Residential Code			ad				2 Co NA	SINEE
		-29=-1735/291, -405/90, 13-21=-290	/58		nd referenced sta			iu				1710	ALL
	14-20=-404/90	- +00/30, 10-21=-230	,		necked for L/360 (IL A	GILD
NOTES			12		100 L/300 (uenection						1111	IIIIIIIIIIIIII
NOTES												Februar	26,2020
												i cordar	, 20,2020



Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	G1	Attic	3	1	Job Reference (optional)	E14115618

Run: 8.33 S Feb 13 2020 Print: 8.330 S Feb 13 2020 MiTek Industries, Inc. Wed Feb 26 11:26:08 ID:m?Mn0_H8AXTyvjEo?vsp87zhKr?-eNnOROtjvXEOyal_eFQKx6stFIL_np6fYDWrfJzhHPD

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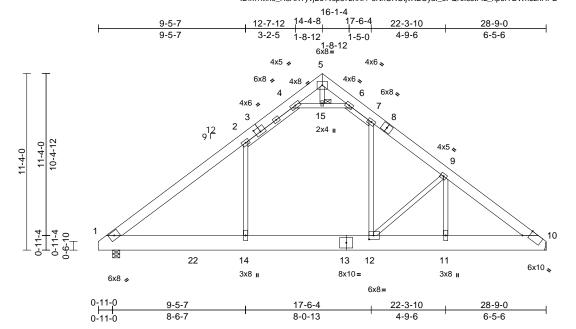


Plate Offsets (X, Y): [3:0-4-0,0-3-12], [10:0-4-5,Edge], [12:0-3-8,0-3-0]

Scale = 1:74

					1								
Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15		TC		Vert(LL)	-0.06		>999	240	MT20	244/190
Snow (Pf/Pg)	13.9/20.0	Lumber DOL	1.15		BC	0.11	Vert(CT)	-0.11		>999	180		
TCDL	10.0	Rep Stress Incr	YES		WB	0.37	Horz(CT)	0.02	10	n/a	n/a		
BCLL	0.0*	Code	IRC201	5/TPI2014	Matrix-MSH		Attic	-0.02	12-14	>999	360		
BCDL	10.0											Weight: 295 lb	FT = 20%
LUMBER			3)	TCLL: ASCE	7-10; Pr=20.0 ps	f (roof liv	e load: Lumb	ber					
TOP CHORD	2x8 SP 2400F 2.0E				late DOL=1.15); P								
BOT CHORD	2x12 SP 2400F 2.0E				3.9 psf (flat roof sn			15					
WEBS	2x4 SP No.2 *Excep	t* 9-11,5-15,7-6,4-2	:2x4		.15); Category II;	Exp B; F	ully Exp.;						
	SP No.3		4)	Ct=1.10	nas been designed	l for o liv	a load of 20	Opof					
BRACING	.		,		n chord in all area			оры					
TOP CHORD	Structural wood she	athing directly applie	ed or		by 2-00-00 wide wi			om					
BOT CHORD	6-0-0 oc purlins. Rigid ceiling directly	opplied or 10.0.0 o	_		ny other members.								
BOICHORD	bracing.	applied of 10-0-0 of	5)	Ceiling dead	load (5.0 psf) on i	member	(s). 2-4, 6-7,	4-15,					
JOINTS	1 Brace at Jt(s): 15			6-15; Wall c	lead load (5.0psf)	on mem	ber(s).2-14, 7	7-12					
REACTIONS	()	10= Mechanical	0)			0							
	Max Horiz 1=-212 (L		6)		d live load (40.0 ps oad (0.0 psf) appli								
	Max Grav 1=1483 (I	_C 25), 10=1357 (LC	26) 7)		er(s) for truss to tr			14					
FORCES	(lb) - Maximum Corr	pression/Maximum	8)		ISP connectors re			ect					
	Tension		0)		ing walls due to U								
TOP CHORD	,	,			s for uplift only and			ateral					
	3-4=-1223/197, 4-5=		19,	forces.									
	6-7=-1079/175, 7-8=		9)		designed in accor								
BOT CHORD	8-9=-1799/154, 9-10 1-22=-19/1361, 14-2				Residential Code			and					
BOTCHORD	13-14=0/1363, 12-1		1555 40		nd referenced star							, unit	0001111
	10-11=0/1555	5=0/1000, 11 12=0/	, ,,	,	necked for L/360 d	enection						IN TH	CARO
WEBS	2-14=-9/531, 7-12=-	80/961, 9-12=-558/1	59, LC	DAD CASE(S)	Standard							A'OH	-con /1/2
	9-11=-67/220, 4-15=	-1721/296,										1 A ST	
	6-15=-1721/296, 5-1	5=-21/237									4	and a	- Ali
NOTES											-		
	ed roof live loads have	been considered for	r										SEAL
this design		(0))										0.	36322
	CE 7-10; Vult=130mph										=	: 0.	:
	p B; Enclosed; MWFR										-		
	2) zone; cantilever left		0								S	· A.En	-cRi'L :
	and forces & MWFRS		:									A A	JINEF
	OL=1.60 plate grip DC		,									in no	CILBENN

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 **ANS/TPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

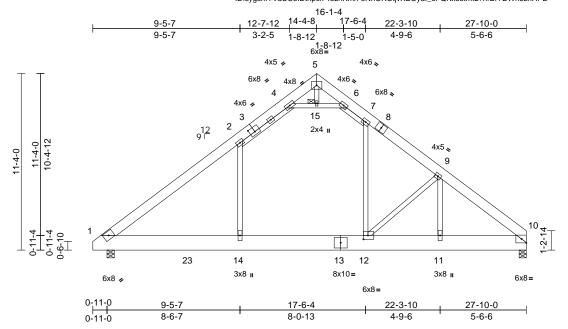


A. G 11111111 February 26,2020

Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	G2	Attic	1	1	Job Reference (optional)	E14115619

Run: 8.33 S Feb 13 2020 Print: 8.330 S Feb 13 2020 MiTek Industries, Inc. Wed Feb 26 11:26:08 ID:sygshIYVaUUeIDthpci743zhKmn-eNnOROtjvXEOyaI_eFQKx6stmIL?nrBfYDWrfJzhHPD

Page: 1



Scale = 1:74 Plate Offsets (X, Y): [3:0-4-0,0-3-12], [12:0-3-8,0-3-0]

Loading TCLL (roof) Snow (Pf/Pg) TCDL	(psf) 20.0 13.9/20.0 10.0	Plate Grip DOL 1 Lumber DOL 1	2-0-0 1.15 1.15 /ES		CSI TC BC WB	0.60 0.11 0.24	DEFL Vert(LL) Vert(CT) Horz(CT)		(loc) 12-14 12-14 10	l/defl >999 >999 n/a		PLATES MT20	GRIP 244/190
BCLL BCDL	0.0* 10.0	Code II	RC2015	5/TPI2014	Matrix-MSH		Attic	-0.02	12-14	>999	360	Weight: 290 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD JOINTS	2x12 SP 2400F 2.0E 2x4 SP No.3 *Excep SP No.2	t* 4-6,2-14,7-12,12-9:2> athing directly applied o	4)	DOL=1.15 P snow); Pf=13 Plate DOL=1 Ct=1.10 * This truss h on the bottor 3-06-00 tall b chord and ar Ceiling dead	7-10; Pr=20.0 ps late DOL=1.15); P 3.9 psf (flat roof sn .15); Category II; nas been designed n chord in all area by 2-00-00 wide wi y other members, load (5.0 psf) on ead load (5.0psf)	g=20.0 p ow: Lum Exp B; F d for a liv s where ill fit betw , with BC member(e load of 20.0 a rectangle veen the botto DL = 1.0.0psi s). 2-4, 6-7, 4	15 Opsf om f. 4-15,					
REACTIONS	(size) 1=0-5-8, 1 Max Horiz 1=-200 (L		6) 5) 7)	chord dead l	d live load (40.0 ps oad (0.0 psf) appli ISP connectors re	ed only t	o room. 12-1	4					
FORCES	(lb) - Maximum Com Tension	pression/Maximum	, 1)	truss to bear	ing walls due to U	PLIFT at	jt(s) 10 and	1.					
TOP CHORD	1-2=-1763/126, 2-3=	-26/186, 5-6=-46/328, -1580/158,	8)	lateral forces This truss is International		dance w sections	th the 2015 R502.11.1 a						
BOT CHORD	1-23=-25/1298, 14-2		r (necked for L/360 d							NUNTH ORTH	CARO
WEBS	9-11=-267/92, 4-15= 6-15=-1645/291, 5-1 2-14=-28/507, 7-12=		4								4	A DEFE	Day
this design 2) Wind: ASC Vasd=103 Cat. II; Ex	ed roof live loads have n. CE 7-10; Vult=130mph imph; TCDL=6.0psf; B(p B; Enclosed; MWFR3 2 zono: continuor loft of	(3-second gust) CDL=6.0psf; h=25ft; S (envelope) and C-C									CONTRACTOR STATE	03	SEAL 36322

Exterior (2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33



A. GIL A. GIL February 26,2020

C

Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	G3	Attic	1	1	Job Reference (optional)	E14115620

Run: 8.33 S Feb 13 2020 Print: 8.330 S Feb 13 2020 MiTek Industries, Inc. Wed Feb 26 11:26:09 ID:E4h9HWFyNpFejt9oakkBlozhKka-6ZLmfkuLfqMFZktACzxZUJO4Big4WAcontFOBlzhHPC

Page: 1

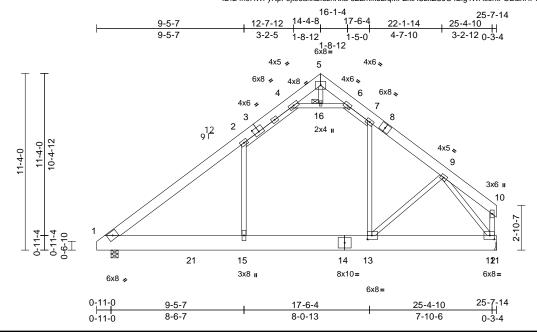


Plate Offsets (X, Y): [3:0-4-0,0-3-12], [12:0-3-8,0-3-0], [13:0-3-8,0-3-0]

Scale = 1:74

	d PLATES GRIP
Loading (psf) Spacing 2-0-0 CSI DEFL in (loc) I/defl L/	GRIPLATES GRIP
TCLL (roof) 20.0 Plate Grip DOL 1.15 TC 0.49 Vert(LL) -0.07 15 >999 24	0 MT20 244/190
Snow (Pf/Pg) 13.9/20.0 Lumber DOL 1.15 BC 0.12 Vert(CT) -0.11 15 >999 18	30
TCDL 10.0 Rep Stress Incr YES WB 0.74 Horz(CT) 0.01 12 n/a n/	/a
BCLL 0.0* Code IRC2015/TPI2014 Matrix-MSH Attic -0.03 13-15 >999 36	50
BCDL 10.0	Weight: 275 lb FT = 20%
LUMBER 3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber	
TOP CHORD 2x8 SP 2400F 2.0E DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground	
BOT CHORD 2x12 SP 2400F 2.0E snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15	
WEBS 2x4 SP No.3 *Except* 4-6,2-15,7-13,13-9:2x4 Plate DOL=1.15); Category II; Exp B; Fully Exp.;	
SP No.2 Ct=1.10	
BRACING 4) * This truss has been designed for a live load of 20.0psf	
TOP CHORD Structural wood sheathing directly applied or on the bottom chord in all areas where a rectangle	
6-0-0 oc purlins 3-06-00 tall by 2-00-00 wide will fit between the bottom	
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc	
 b) To find the main of the or of the	
JOINTS 1 Brace at Jt(s): 16 6-16; Wall dead load (5.0psi) on member(s).2-15, 7-13	
REACTIONS (size) 1=0-5-8, 12= Mechanical 6) Bottom chord live load (40.0 psf) and additional bottom	
Max Horiz 1=195 (LC 10) chord dead load (0.0 psf) applied only to room. 13-15	
Max Grav 1=1320 (LC 25), 12=1272 (LC 26) 7) Refer to girder(s) for truss to truss connections.	
FORCES (Ib) - Maximum Compression/Maximum 8) One RT7A USP connectors recommended to connect	
Tension truss to bearing walls due to UPLIFT at it(s) 1. This	
TOP CHORD 1-2=-1516/178, 2-3=-1064/148, connection is for uplift only and does not consider lateral	
3-4=-972/176, 4-5=-31/193, 5-6=-43/260, forces.	
6-7=-924/164, 7-8=-1309/130, 9) This truss is designed in accordance with the 2015	
8-9=-1411/114, 9-10=-37/76 International Residential Code sections R502.11.1 and	
30T CHORD 1-21=-43/1095, 15-21=0/1095, R802.10.2 and referenced standard ANSI/TPI 1.	AMM DITTE
14-15=0/1096, 13-14=0/1096, 10) Attic room checked for L/360 deflection.	N'AL CARO
12-13=-43/835, 11-12=0/0 LOAD CASE(S) Standard	N'alli on of the
WEBS 4-16=-1403/275, 6-16=-1403/275,	NO EESS
5-16=18/198, 2-15=-82/438, 7-13=-37/607,	
9-13=0/352, 10-12=-70/43, 9-12=-1502/79	WEL J'and
NOTES	
1) Unbalanced roof live loads have been considered for	SEAL
this design.	036322
2) Wind: ASCE 7-10; Vult=130mph (3-second gust)	
Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft;	5 N 2
Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C	- A. En Rick
Exterior (2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown;	S GINEF A
Lumber DOL=1.60 plate grip DOL=1.33	GINEL PL

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 safe truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



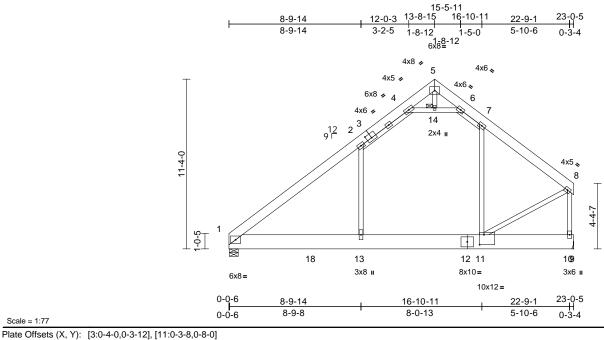
G 11111111 February 26,2020

Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	G4	Attic	1	1	Job Reference (optional)	E14115621

Scale = 1:77

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Page: 1



	(A, f). [3.0-4-0,0-3-12]	, [11.0-3-0,0-0-0]											-
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 13.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC201	5/TPI2014	CSI TC BC WB Matrix-MSH	0.44 0.15 0.36		-0.14 0.01	(loc) 13-17 13-17 1 11-13	l/defl >999 >999 n/a >999	L/d 240 180 n/a 360	PLATES MT20 Weight: 252 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD JOINTS REACTIONS	2x12 SP 2400F 2.0E 2x4 SP No.2 *Except SP No.3 Structural wood shea 6-0-0 oc purlins. Rigid ceiling directly bracing. 1 Brace at Jt(s): 14	t* 5-14,2-4,7-6,8-10: athing directly applie applied or 10-0-0 oc 0= Mechanical 2 10)	2x4 4) ed or 5) 6)	DOL=1.15 P snow); Pf=13 Plate DOL=1 Ct=1.10 * This truss h on the bottor 3-06-00 tall b chord and ar Ceiling dead 6-14; Wall d Bottom chord chord dead l	7-10; Pr=20.0 ps late DOL=1.15); F 8.9 psf (flat roof sr .15); Category II; has been designer n chord in all area yy 2-00-00 wide w yy other members load (5.0 psf) on ead load (5.0 psf) d live load (40.0 p boad (0.0 psf) appl er(s) for truss to tr	Pg=20.0 p now: Lum Exp B; F d for a liv as where rill fit betw , with BC member(on memb sf) and av ied only t	osf (ground ber DOL=1. ully Exp.; e load of 20. a rectangle veen the bott DL = 10.0ps s). 2-4, 6-7, per(s).2-13, 7 dditional bott o room. 11-1	15 Opsf tom .f. 4-14, 7-11 tom					
FORCES TOP CHORD BOT CHORD	Tension 1-2=-1362/21, 2-3=- 4-5=-49/217, 5-6=-4 7-8=-1264/89	kimum Compression/Maximum8)One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1. This connection is for uplift only and does not consider lateral forces.52/21, 2-3=-941/133, 3-4=-849/161, 217, 5-6=-49/243, 6-7=-857/161,6)											
WEBS	11-12=0/977, 10-11= 2-13=-111/391, 7-11 4-14=-1284/280, 6-1 5-14=-19/184, 8-11=	=0/0, 9-10=0/0 =-51/462, 4=-1284/280,	10 L(R802.10.2 a	nd referenced state necked for L/360 c	ndard AN	ISI/TPI 1.	anu				NI ORTH	CARO
this design 2) Wind: ASC Vasd=103 Cat. II; Ex Exterior (2 members	ed roof live loads have n. CE 7-10; Vult=130mph 3mph; TCDL=6.0psf; B0 p B; Enclosed; MWFR5 2) zone; cantilever left e and forces & MWFR5 i OL=1.60 plate grip DO	(3-second gust) CDL=6.0psf; h=25ft; S (envelope) and C- exposed ;C-C for for reactions shown;	С								Wannah		SEAL 36322

818 Soundside Road Edenton, NC 27932

G 111111111 February 26,2020

Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	G5	Attic	1	1	Job Reference (optional)	E14115622

Run: 8.33 S Feb 13 2020 Print: 8.330 S Feb 13 2020 MiTek Industries, Inc. Wed Feb 26 11:26:10 ID:2D8Rc3rFQ3gVrXMtTcZrqQzhKfx-alv8s4vzQ8U6BuSNlgSo1Xxlp5?xFgoy0X?yjBzhHPB 17-5-11 14-0-3 15-8-15 18-10-<u>11 22-9-1</u> 23-0-5 2 0 5 1 0 12 1-5-0 3-10-6 0-3-4 10-9-14 7-9-10 7-9-10 3-0-4 _{6x8}§-12 _12 9 Г 4x6 🍫 5 4x6 💊 4x5 💊 4x6 💊 20 4 6 4x6 🍫 7 11-4-0 5-11-8 19 15 3 2x4 II 4x5 💊 A 6x8 🍬 8 11-4-0 2 12 6.36 Г 5-10-7 5-4-8 5-4-8 -2-14 T 14 11 13 12 109 3x8 II 6x8= $8 \times 10 =$ $8 \times 10 =$ 3x6 🛛 6x8= <u>22-9-1</u> 23-0-5 3-10-6 0-3-4 0-0-6 7-7-14 10-9-14 18-10-11 7-7-8 0-0-6 3-2-0 8-0-13

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

Scale = 1:76.7

			-	-	i							i	
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL	(psf) 20.0 13.9/20.0 10.0 0.0*	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC201	5/TPI2014	CSI TC BC WB Matrix-MSH	0.31 0.14 0.55	- ()	in -0.06 -0.11 0.01	(loc) 13 13 10	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20	GRIP 244/190
BCDL	10.0											Weight: 264 lb	FT = 20%
	2x12 SP 2400F 2.0E 2x4 SP No.3 *Excep SP No.2 Structural wood shea 6-0-0 oc purlins. Rigid ceiling directly bracing. 1 Brace at Jt(s): 15	* 3-13,7-11,4-6,8-11 athing directly applie applied or 10-0-0 oc 0= Mechanical : 12) 15)	1:2x4 4) ed or 5) 5 6) 7)	DOL=1.15 P snow); Pf=13 Plate DOL=1 Ct=1.10 Unbalanced design. * This truss h on the bottor 3-06-00 tall b chord and ar Refer to gird Provide mec bearing plate 10.	7-10; Pr=20.0 ps late DOL=1.15); P 3.9 psf (flat roof sr .15); Category II; snow loads have has been designed n chord in all area by 2-00-00 wide w any other members er(s) for truss to tr hanical connection e capable of withst SP connectors re	Pg=20.0 p now: Lum Exp B; F been cor d for a liv as where rill fit betw , with BC russ com n (by oth tanding 5	osf (ground ber DOL=1. ully Exp.; asidered for t e load of 20. a rectangle veen the bott DL = 10.0ps nections. ers) of truss Ib uplift at jo	15 his Opsf com f. to pint					
FORCES	(lb) - Maximum Com	pression/Maximum			ing walls due to U								
TOP CHORD	Tension 1-2=-1280/188, 2-3= 3-19=-587/172, 4-19 5-20=-31/106, 5-6=-5 7-8=-763/168	=-557/190, 4-20=-44	, -)	forces. This truss is International	s for uplift only and designed in accor Residential Code nd referenced star	rdance w sections	ith the 2015 R502.11.1 a						11110.5
BOT CHORD	1-14=-238/1144, 13- 12-13=-79/605, 11-1 9-10=0/0	,	/0, LC	DAD CASE(S)			1 0 /1111.					NUN RTH	CAROL
WEBS	2-14=-66/454, 2-13= 7-11=-71/171, 4-15= 6-15=-674/247, 5-15	-674/247, =-30/82,	70,								4	The second	The
 this design Wind: ASC Vasd=103i Cat. II; Exp Exterior (2 	CE 7-10; Vult=130mph mph; TCDL=6.0psf; B0 p B; Enclosed; MWFR 2) zone;C-C for membe por reactions shown; Lu	been considered for (3-second gust) CDL=6.0psf; h=25ft; S (envelope) and C-f rs and forces &	С								Contractives .	11C	SEAL B6322 GINEER.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 preven buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

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Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	G6	Attic Girder	1	2	Job Reference (optional)	E14115623

Scale = 1:77.6

Run: 8.33 S Feb 13 2020 Print: 8.330 S Feb 13 2020 MiTek Industries, Inc. Wed Feb 26 11:26:11 ID:mlydF_cq2w3nMyWx0GB4IDzhKdf-alv8s4vzQ8U6BuSNIgSo1Xx9a5v2Fdjy0X?yjBzhHPB Page: 1

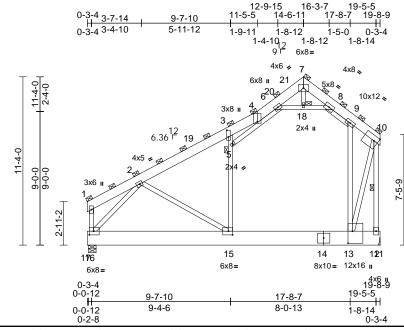


Plate Offsets (X, Y): [3:0-5-7,0-1-4], [4:0-6-10, Edge], [10: Edge, 0-4-0], [13:0-9-12, 0-3-8], [15:0-3-8, 0-3-0], [16:0-3-8, 0-3-0]

							· · · ·	·							
Loading	(psf)	Spacing	6-0-0		csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP		
TCLL (roof)	20.0		1.15		тс	0.83	Vert(LL)	-0.25		>936	240	MT20	244/190		
Snow (Pf/Pg)	13.9/20.0	Lumber DOL	1.15		BC	0.52	Vert(CT)	-0.43	15-16	>531	180				
TCDL	10.0		NO		WB		Horz(CT)	0.01	12	n/a	n/a				
BCLL	0.0*	1 '		5/TPI2014	Matrix-MSH	0.1.0	Attic		13-15	>901	360	1			
BCDL	10.0	Couc	11(0201)	J/1112014			7.000	0.11	10 10	2001	000	Weight: 489 lb	FT = 20%		
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS JOINTS REACTIONS	2x8 SP 2400F 2.0E 2x12 SP 2400F 2.0E 2x4 SP No.2 *Except 7-18,9-8,16-2,6-5,1-1 10-13:2x4 SP No.1 2-0-0 oc purlins (6-0- (Switched from shee Rigid ceiling directly bracing. 1 Row at midpt 1 Brace at Jt(s): 4, 7, 18, 5, 10, 1 (size) 12= Mech	 t* 16:2x4 SP No.3, -0 max.) ted: Spacing > 2-8-0). applied or 10-0-0 oc 10-12 anical, 16=0-6-4 	3) 4)	except if note CASE(S) sec provided to d unless othen Unbalanced this design. Wind: ASCE Vasd=103mp Cat. II; Exp E DOL=1.60 pl TCLL: ASCE DOL=1.15 Pl snow); Pf=13	considered equally ad as front (F) or b btion. Ply to ply cor listribute only loads wise indicated. roof live loads hav 7-10; Vult=130mp oh; TCDL=6.0psf; I 8; Enclosed; MWFi ate grip DOL=1.33 7-10; Pr=20.0 psf ate DOL=1.15); Ps 9.9 psf (flat roof sn .15); Category II; I	ack (B) nnection s noted e been h (3-sec BCDL=6 RS (env s (roof liv g=20.0 p ow: Lur	face in the LC s have been as (F) or (B), considered for cond gust) i.0psf; h=25ft elope); Lumb e load: Lumb ssf (ground iber DOL=1.1	r ; er er	15, 30, moo that 14) Gra or th bott 15) Attio LOAD (1) De Inc Ur	16, 17, ¹ 31, 32, 3 dified. Bu they are phical p he orient om chor c room c CASE(S) ead + Sn crease= iform Lc Vert: 1-3 7-8=-14	18, 19, 33, 34, uilding e corre urlin re tation c d. theckee) Star iow (ba 1.15 bads (II 3=-143 3, 8-9=	3, 4, 5, 6, 7, 8, 9 20, 21, 22, 23, 2 35, 36, 37, 38, 3 designer must re ct for the intende presentation doe of the purlin along d for L/360 deflec ndard alanced): Lumber	1, 10, 11, 12, 13, 14, 14, 25, 26, 27, 28, 29, 9, 40 has/have been eview loads to verify id use of this truss. is not depict the size g the top and/or ction. Increase=1.15, Plate -173, 6-7=-143, , 15-17=-160		
	Max Horiz 16=481 (L Max Grav 12=4344 (25) ⁶⁾		snow loads have b	peen cor	nsidered for th	nis		•	· ·	0, 3-5=-30, 9-13=			
FORCES	(lb) - Maximum Com			design. * This truck h	as been designed	for a liv	a load of 20 (Joct					nber Increase=1.15,		
TOROLO	Tension	pression/maximum	()					Jhai		ate Incre					
TOP CHORD	1-2=0/285, 2-19=-29 3-4=-2417/0, 4-5=0/2 6-20=-10/792, 20-21	467, 4-6=-1698/0,	8)	 on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members. 8) Ceiling dead load (5.0 psf) on member(s). 3-4, 4-6, 8-9, 6-18, 8-18; Wall dead load (5.0psf) on member(s).5-15, 					Uniform Loads (lb/ft)						
BOT CHORD	,	69/2340, 14-15=0/211	,	3-5, 9-13	·	• •						NON.EF	SSIG 24		
13-14=0/2116, 12-13=0/0, 11-12=0/0 WEBS 2-15=-325/493, 5-15=-320/1466, 3-5=-313/1196, 9-13=-1399/0, 6-18=-2783/0, 8-18=-2783/0, 7-18=0/420, 2-16=-3437/0, 10-12=-8626/0, 1-16=0/207, 10-13=0/8576 NOTES 1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows: Top chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.				 9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 13-15 10) Refer to girder(s) for truss to truss connections. 11) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 16. This connection is for uplift only and does not consider lateral forces. 12) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. 						SEAL 36322					
Bottom ch staggered	at 0-9-0 oc. ected as follows: 2x4 -	ows: 2x12 - 2 rows										CHIC A	. GILBE		

February 26,2020



Job)	Truss	Truss Typ	De	Qty	Ply	MIKE SH	HEAN / FRANK RESIDENCE	
20	010112	G6	Attic Gir	der	1	2	Job Refe	erence (optional)	E14115623
Cart	er Components (Sanford), S	Sanford, NC - 27332,				.330 S Feb 1	3 2020 MiT	ek Industries, Inc. Wed Feb 26 11:26:11	Page: 2
	7-8=-180, 8-9=-210	210, 4-6=-210, 6-7=-180, 9-10=-180, 15-17=-160), 6-18=-30, 8-18=-30 30, 9-13=-30	12)	ID:mlydF_cq2w3nM Dead + 0.6 MWFRS Wind (Pos. Lumber Increase=1.60, Plate Inc Uniform Loads (Ib/ft) Vert: 1-3=15, 3-4=-3, 4-6=-3,	Internal) 2n rease=1.33	d Parallel:	22)	NIgSo1Xx9a5v2Fdjy0X?yjBzhHPB Horz: 1-4=14, 4-7=27, 7-10=17 Drag: 5-15=-30, 3-5=-30, 9-13=-3 Dead + 0.75 Snow (bal.) + 0.75 Atti MWFRS Wind (Neg. Int) Right): Lur	c Floor + 0.75(0.6
3)	Dead + 0.75 Roof Live Lumber Increase=1.15 Uniform Loads (Ib/ft) Vert: 1-3=-150, 3-4= 7-8=-150, 8-9=-180 (F=-303), 13-15=-24 8-18=-30	(balanced) + 0.75 Attic Floor: 5, Plate Increase=1.15 =-180, 4-6=-180, 6-7=-150, 9-10=-150, 15-17=-363 40, 11-13=-60, 6-18=-30,	13)	8-9=27, 9-10=45, 15-17=-136 6-18=-18, 8-18=-18 Horz: 1-4=-51, 4-7=-51, 7-10= Drag: 5-15=-30, 3-5=-30, 9-12 Dead + 0.6 MWFRS Wind (Pos. Lumber Increase=1.60, Plate Inc Uniform Loads (lb/tt)	(F=-100), 1 81 =-30 Internal) 3rd rease=1.33	1-15=-36, d Parallel:		Increase=1.60, Plate Increase=1.33 Uniform Loads (lb/ft) Vert: 1-3=-104, 3-4=-134, 4-6=-1: 7-8=-149, 8-9=-179, 9-10=-149, 7 (F=-303), 13-15=-240, 11-13=-60 8-18=-30 Horz: 1-4=-18, 4-7=-17, 7-10=-27 Drag: 5-15=-30, 3-5=-30, 9-13=-3	3 35, 6-7=-105, 15-17=-363), 6-18=-30, 7
4)	Drag: 5-15=-30, 3-5=-30, 9-13=-30 Dead + 0.75 Snow (balanced) + 0.75 Attic Floor: Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (lb/ft) Vert: 1-3=-122, 3-4=-152, 4-6=-152, 6-7=-122, 7-8=-122, 8-9=-152, 9-10=-122, 15-17=-363 (F=-303), 13-15=-240, 11-13=-60, 6-18=-30, 8-18=-30 Drag: 5-15=-30, 3-5=-30, 9-13=-30			Vert: 1-3=45, 3-4=27, 4-6=27 8-9=-3, 9-10=15, 15-17=-136 6-18=-18, 8-18=-18 Horz: 1-4=-81, 4-7=-81, 7-10= Drag: 5-15=-30, 3-5=-30, 9-12 Dead + 0.6 MWFRS Wind (Pos. Lumber Increase=1.60, Plate Inc Uniform Loads (Ib/ft) Vert: 1-3=15, 3-4=-3, 4-6=-3,	(F=-100), 1 51 =-30 Internal) 4th rease=1.33	1-15=-36, n Parallel:	,	Dead + 0.75 Snow (bal.) + 0.75 Atti MWFRS Wind (Neg. Int) 1st Paralle Increase=1.60, Plate Increase=1.33 Uniform Loads (lb/ft) Vert: 1-3=-87, 3-4=-117, 4-6=-11' 7-8=-109, 8-9=-139, 9-10=-109, 7' (F=-303), 13-15=-240, 11-13=-60 8-18=-30	c Floor + 0.75(0.6 il): Lumber 7, 6-7=-87, 15-17=-363 0, 6-18=-30,
5)	Lumber Increase=1.15 Uniform Loads (lb/ft) Vert: 1-3=-122, 3-4= 7-20=-128, 7-8=-79	152, 4-6=-152, 6-20=-122, , 8-9=-109, 9-10=-79, 15-17=-3 40, 11-13=-60, 6-18=-30,	63 15)	8-9=27, 9-10=45, 15-17=-136 6-18=-18, 8-18=-18 Horz: 1-4=-51, 4-7=-51, 7-10= Drag: 5-15=-30, 3-5=-30, 9-13 Dead + 0.6 MWFRS Wind (Neg. Lumber Increase=1.60, Plate Ind Uniform Loads (lb/ft) Vert: 1-3=-13, 3-4=-43, 4-6=-4	81 =-30 Internal) 1s rease=1.33	t Parallel:	,	Horz: 1-4=-35, 4-7=-35, 7-10=13 Drag: 5-15=-30, 3-5=-30, 9-13=-3 Dead + 0.75 Snow (bal.) + 0.75 Atti MWFRS Wind (Neg. Int) 2nd Paralle Increase=1.60, Plate Increase=1.33 Uniform Loads (lb/ft) Vert: 1-3=-109, 3-4=-139, 4-6=-1 7-8=-87, 8-9=-117, 9-10=-87, 15-	30 c Floor + 0.75(0.6 el): Lumber 3 39, 6-7=-109,
6)	Lumber Increase=1.15 Uniform Loads (lb/ft) Vert: 1-3=-79, 3-4=- 7-8=-146, 8-9=-176	109, 4-6=-109, 6-7=-79, , 9-10=-146, 15-17=-363 40, 11-13=-60, 6-18=-30,	16)	8-9=-72, 9-10=-42, 15-17=-16 6-18=-30, 8-18=-30 Horz: 1-4=-47, 4-7=-47, 7-10= Drag: 5-15=-30, 3-5=-30, 9-12 Dead + 0.6 MWFRS Wind (Neg. Lumber Increase=1.60, Plate Inc Uniform Loads (lb/ft)	0 (F=-100), 18 =-30 Internal) 2r rease=1.33	11-15=-60 nd Parallel:	25)	13-15=-240, 11-13=-60, 6-18=-30 Horz: 1-4=-13, 4-7=-13, 7-10=35 Drag: 5-15=-30, 3-5=-30, 9-13=-3 Dead + 0.75 Roof Live (bal.) + 0.75 (0.6 MWFRS Wind (Neg. Int) Left): Increase=1.60, Plate Increase=1.33 Uniform Loads (lb/ft)	0, 8-18=-30 30 Attic Floor + 0.75 Lumber 3
7)	Dead + 0.6 MWFRS W Increase=1.60, Plate II Uniform Loads (Ib/ft) Vert: 1-3=-22, 3-4=- 8-9=3, 9-10=21, 15- 6-18=-18, 8-18=-18 Horz: 1-4=-14, 4-7=	/ind (Pos. Internal) Left: Lumbe ncrease=1.33 40, 4-6=-57, 6-7=-39, 7-8=21, .17=-136 (F=-100), 11-15=-36, 3, 7-10=57		Vert: 1-3=-42, 3-4=-72, 4-6=-7 8-9=-43, 9-10=-13, 15-17=-16 6-18=-30, 8-18=-30 Horz: 1-4=-18, 4-7=-18, 7-10= Drag: 5-15=-30, 3-5=-30, 9-12 Dead + Attic Floor: Lumber Increase Increase=1.00 Uniform Loads (lb/ft)	0 (F=-100), 47 =-30	11-15=-60	26)	Vert: 1-3=-164, 3-4=-194, 4-6=-2 7-8=-133, 8-9=-163, 9-10=-133, ' (F=-303), 13-15=-240, 11-13=-60 8-18=-30 Horz: 1-4=14, 4-7=27, 7-10=17 Drag: 5-15=-30, 3-5=-30, 9-13=-3 Dead + 0.75 Roof Live (bal.) + 0.75 (0.6 MWFRS Wind (Neg. Int) Right)	15-17=-363 0, 6-18=-30, 30 Attic Floor + 0.75 : Lumber
8)	Lumber Increase=1.60 Uniform Loads (lb/ft) Vert: 1-3=22, 3-4=4	/ind (Pos. Internal) Right:), Plate Increase=1.33 , 4-6=3, 6-7=21, 7-8=-39, 15-17=-136 (F=-100), 11-15=-3	i6, ¹⁸⁾	Plate Increase=1.15 Uniform Loads (lb/ft)	1 (F=-371), -30, 8-18=- =-30 ber Increase	30 e=1.15,		Increase=1.60, Plate Increase=1.33 Uniform Loads (lb/ft) Vert: 1-3=-132, 3-4=-162, 4-6=-1 7-8=-177, 8-9=-207, 9-10=-177, 7 (F=-303), 13-15=-240, 11-13=-60 8-18=-30 Horz: 1-4=-18, 4-7=-17, 7-10=-27 Drag: 5-15=-30, 3-5=-30, 9-13=-3	63, 6-7=-133, 15-17=-363 0, 6-18=-30, 7
9)	Drag: 5-15=-30, 3-5 Dead + 0.6 MWFRS W Increase=1.60, Plate II Uniform Loads (Ib/ft) Vert: 1-3=-79, 3-4=- 8-9=-67, 9-10=-37, 6-18=-30, 8-18=-30 Horz: 1-4=19, 4-7=3 Drag: 5-15=-30, 3-5	=-30, 9-13=-30 /ind (Neg. Internal) Left: Lumb ncrease=1.33 109, 4-6=-126, 6-7=-96, 7-8=-3 15-17=-160 (F=-100), 11-15=-6 36, 7-10=23 =-30, 9-13=-30	97, ¹⁹⁾	Vert: 1-3=-143, 3-4=-173, 4-6 7-20=-150, 7-8=-85, 8-9=-115 (F=-100), 11-15=-60, 6-18=-3 Drag: 5-15=-30, 3-5=-30, 9-13 Dead + Snow (Unbal. Right): Lu Plate Increase=1.15 Uniform Loads (Ib/ft) Vert: 1-3=-85, 3-4=-115, 4-6= 7-8=-174, 8-9=-204, 9-10=-17 (F=-100), 11-15=-60, 6-18=-3	, 9-10=-85,), 8-18=-30 =-30 nber Increa 115, 6-7=-8 4, 15-17=-1	15-17=-160 use=1.15, 35, 60	J ,	Dead + 0.75 Roof Live (bal.) + 0.75 (0.6 MWFRS Wind (Neg. Int) 1st Pa Increase=1.60, Plate Increase=1.33 Uniform Loads (lb/ft) Vert: 1-3=-115, 3-4=-145, 4-6=-1 7-8=-137, 8-9=-167, 9-10=-137, 7 (F=-303), 13-15=-240, 11-13=-60 8-18=-30 Horz: 1-4=-35, 4-7=-35, 7-10=13	Attic Floor + 0.75 arallel): Lumber 3 45, 6-7=-115, 15-17=-363 0, 6-18=-30,
10)	Lumber Increase=1.60 Uniform Loads (lb/ft) Vert: 1-3=-36, 3-4=-	66, 4-6=-67, 6-7=-37, 7-8=-96, , 15-17=-160 (F=-100), 0, 8-18=-30 -23, 7-10=-36		Drag: 5-15=-30, 3-5=-30, 9-12 Dead: Lumber Increase=1.00, P Uniform Loads (lb/ft) Vert: 1-3=-60, 3-4=-90, 4-6=-5 8-9=-90, 9-10=-60, 15-17=-42 13-15=-300, 11-13=-60, 6-18 Drag: 5-15=-30, 3-5=-30, 9-12	=-30 ate Increas 0, 6-7=-60, 1 (F=-371), :-30, 8-18=- =-30	e=1.00 7-8=-60, 30	,	Drag: 5-15=-30, 3-5=-30, 9-13=-3 Dead + 0.75 Roof Live (bal.) + 0.75 (0.6 MWFRS Wind (Neg. Int) 2nd P Increase=1.60, Plate Increase=1.33 Uniform Loads (lb/ft) Vert: 1-3=-137, 3-4=-167, 4-6=-1 7-8=-115, 8-9=-145, 9-10=-115, 7 (F=-303), 13-15=-240, 11-13=-60	Attic Floor + 0.75 arallel): Lumber 3 67, 6-7=-137, 15-17=-363
11)	Lumber Increase=1.60 Uniform Loads (lb/ft) Vert: 1-3=45, 3-4=2	7, 4-6=27, 6-7=45, 7-8=15, -17=-136 (F=-100), 11-15=-36 -81, 7-10=51	,	Dead + 0.75 Snow (bal.) + 0.75 MWFRS Wind (Neg. Int) Left): L Plate Increase=1.33 Uniform Loads (Ib/ft) Vert: 1-3=-137, 3-4=-167, 4-6 7-8=-105, 8-9=-135, 9-10=-10 (F=-303), 13-15=-240, 11-13= 8-18=-30	umber Incre =-179, 6-7=- 5, 15-17=-3	ase=1.60, -149, 63	,	8-18=-30 Horz: 1-4=-13, 4-7=-13, 7-10=35 Drag: 5-15=-30, 3-5=-30, 9-13=-3 3rd Dead + 0.75 Snow (Unbal. Left) Lumber Increase=1.15, Plate Increa Uniform Loads (lb/ft)	30 + 0.75 Attic Floor:



Job	1	Truss	Truss Typ	e	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
	010112	G6	Attic Giro			2		E14115623
	er Components (Sanford), Sa				2020 Print: 8.3		Job Reference (optional) 3 2020 MiTek Industries, Inc. Wed Feb 26 11:26:11	Page: 3
	Vert: 1-3=-79, 3-4=-1 7-21=-136, 7-8=-79, (F=-303), 13-15=-24(8-18=-30) Drag: 5-15=-30, 3-5= 4th Dead + 0.75 Snow (Lumber Increase=1.15, Uniform Loads (lb/ft) Vert: 1-19=-122, 3-12 6-7=-79, 7-8=-79, 8-5 (F=-303), 13-15=-24(09, 4-6=-152, 6-21=-122, 8-9=-109, 9-10=-79, 15-17=-3), 11-13=-60, 6-18=-30, -30, 9-13=-30 (Unbal. Left) + 0.75 Attic Floor	:		Wx0GB4IDzh =-30 anced) + 0. ate Increase 0, 6-7=-60, 7 363 (F=-303 -30, 8-18=-3	Kdf-alv8s4vz 75 Attic =1.15 7-8=-150,),	2Q8U6BuSNIgSo1Xx9a5v2Fdjy0X?yjBzhHPB	raye. S
31)	Lumber Increase=1.15, Uniform Loads (lb/ft) Vert: 1-3=-79, 3-4=-1 7-8=-79, 8-9=-109, 9-	Unbal. Right) + 0.75 Attic Floo						
32)	Drag: 5-15=-30, 3-5= 6th Dead + 0.75 Snow (Lumber Increase=1.15, Uniform Loads (lb/ft) Vert: 1-3=-79, 3-4=-1 7-8=-183, 8-9=-213, 9	-30, 9-13=-30 (Unbal. Right) + 0.75 Attic Floo	or:					
33)	Plate Increase=1.15 Uniform Loads (lb/ft) Vert: 1-3=-85, 3-4=-1	al. Left): Lumber Increase=1.1 15, 4-6=-173, 6-21=-143, 8-9=-115, 9-10=-85, 15-17=-1						
34)	Plate Increase=1.15 Uniform Loads (lb/ft) Vert: 1-19=-143, 3-19 6-7=-85, 7-8=-85, 8-9 (F=-100), 11-15=-60,	al. Left): Lumber Increase=1.1 9=-160, 3-4=-190, 4-6=-115, 9=-115, 9-10=-85, 15-17=-160 6-18=-30, 8-18=-30						
35)	7-8=-85, 8-9=-115, 9 11-15=-60, 6-18=-30	al. Right): Lumber crease=1.15 15, 4-6=-198, 6-7=-168, -10=-85, 15-17=-160 (F=-100) , 8-18=-30	١,					
36)		oal. Right): Lumber crease=1.15 15, 4-6=-115, 6-7=-85, 9-10=-143, 15-17=-160 6-18=-30, 8-18=-30						
37)	1st Dead + Roof Live (u Increase=1.15, Plate In Uniform Loads (lb/ft) Vert: 1-3=-180, 3-4=-	nbalanced): Lumber crease=1.15 210, 4-6=-210, 6-7=-180, 0=-60, 15-17=-160 (F=-100), , 8-18=-30						
	2nd Dead + Roof Live (Increase=1.15, Plate In: Uniform Loads (lb/ft) Vert: 1-3=-60, 3-4=-9 8-9=-210, 9-10=-180 11-15=-60, 6-18=-30 Drag: 5-15=-30, 3-5= 3rd Dead + 0.75 Roof L Floor: Lumber Increase Uniform Loads (lb/ft)	unbalanced): Lumber crease=1.15 0, 4-6=-90, 6-7=-60, 7-8=-180 , 15-17=-160 (F=-100), , 8-18=-30),					

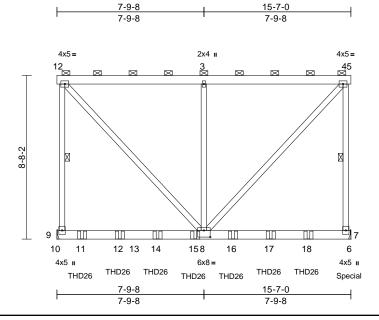
Vert: 1-3=-150, 3-4=-180, 4-6=-180, 6-7=-150, 7-8=-60, 8-9=-90, 9-10=-60, 15-17=-363 (F=-303), 13-15=-240, 11-13=-60, 6-18=-30, 8-18=-30



Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	GR1	Flat Girder	1	2	Job Reference (optional)	E14115624

Run: 8.33 S Feb 13 2020 Print: 8.330 S Feb 13 2020 MiTek Industries, Inc. Wed Feb 26 11:26:11 ID:QXanrM_zjUCfCYir8tTwTHzhLUi-2ySW4QwbBSczp21ZJOz1ZkUTGVAI_CL5EBkVFezhHPA Page: 1

r



Scale = 1:61.1

Plate Offsets (X, Y): [8:0-4-0,0-4-4]

							1						
Loading	(psf)	Spacing	1-11-4		csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15		TC	0.26	Vert(LL)	-0.08	8-9	>999	240	MT20	244/190
Snow (Pf/Pg)	18.9/20.0	Lumber DOL	1.15		BC	0.84	Vert(CT)	-0.14	8-9	>999	180		
TCDL	10.0	Rep Stress Incr	NO		WB	0.22	Horz(CT)	0.00	7	n/a	n/a		
BCLL	0.0*	Code	IRC2015	5/TPI2014	Matrix-MSH								
BCDL	10.0											Weight: 278 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x6 SP No.2 2x4 SP No.2 2-0-0 oc purlins (6-0 end verticals. Rigid ceiling directly bracing. 1 Row at midpt (size) 7= Mecha Max Uplift 7=-524 (Li	applied or 10-0-0 oc 2-9, 4-7 nical, 9= Mechanical C 8), 9=-460 (LC 7)	4) t 5)	Vasd=103mp Cat. II; Exp E DOL=1.60 pl TCLL: ASCE DOL=1.15 Pl snow); Pf=18 Plate DOL=1 Ct=1.10, Lu= Unbalanced design. Provide adec	7-10; Vult=130mpl bh; TCDL=6.0psf; E 8; Enclosed; MWFF ate grip DOL=1.33 7-10; Pr=20.0 psf ate DOL=1.15); Pg .39 psf (flat roof sno .15); Category II; E .50-0-0 snow loads have b quate drainage to p has been designed	CDL=6 S (env (roof liv g=20.0 p ow: Lum Exp B; F een cor revent	Dest; h=25ft elope); Lumb osf (ground ber DOL=1.1 ully Exp.; nsidered for th water ponding	er 5 his 9.	, Inc Ur Cc	ead + Sn crease=1 niform Lo Vert: 1-2 oncentra Vert: 7=	iow (ba 1.15 bads (ll 2=-56, ted Loa -321 (l	alanced): Lumber o/ft) 2-4=-56, 4-5=-56 ads (Ib) 3), 11=-313 (B),	F Increase=1.15, Plate 6, 6-10=-19 12=-313 (B), 14=-313 17=-313 (B), 18=-313
	Max Grav 7=2431 (L		,		n chord in all areas								
FORCES	(lb) - Maximum Com Tension	pression/Maximum			y 2-00-00 wide wil								
TOP CHORD		0/0 2-31207/261	0)		y other members, er(s) for truss to tru			•					
	3-4=-1207/261, 4-5=				hanical connection			•					
BOT CHORD			3)		capable of withsta								
201 0110112	12-13=-5/25, 13-14=				24 lb uplift at joint 7								
	8-15=-5/25, 8-16=-5/		10		designed in accord		ith the 2015						
	17-18=-5/23, 7-18=-			·	Residential Code s			nd					111111
WEBS	2-8=-378/1752, 3-8=	-511/148, 4-8=-379/1	755		nd referenced stan							and the	CAD
NOTES			11) Graphical pu	rlin representation	does no	ot depict the s	size				"aTH	000
1) 2-ply trus	s to be connected toget	her with 10d		or the orienta	ation of the purlin a	long the	top and/or					- ORIE	SSOLUT
	") nails as follows:			bottom chord	l.						/		Ma 21
Top chord oc, 2x6 - 3 Bottom ch staggerec Web conr 2) All loads a except if r CASE(S) provided b	s connected as follows 2 rows staggered at 0-S hords connected as follows 4 at 0-9-0 oc. hected as follows: 2x4 - are considered equally hoted as front (F) or bac section. Ply to ply conn to distribute only loads in herwise indicated.	-0 oc. ows: 2x6 - 2 rows 1 row at 0-9-0 oc. applied to all plies, ck (B) face in the LOA ections have been	13) Use USP TH 12-10d x 1-1 2-0-0 oc max 13-4-0 to cor chord.) Fill all nail hc) Hanger(s) or provided suff Ib down and	D26 (With 18-16d /2 nails into Truss) starting at 1-4-0 f unect truss(es) to b les where hanger i other connection of icient to support co 119 lb up at 15-7- tion of such connect	or equi rom the ack fac s in cor device(s oncentra 0 on bo	valent spaced e left end to e of bottom ntact with lum) shall be ated load(s) 4 ttom chord.	ber. 37			Comments.	•	SEAL B6322 GILBER

February 26,2020

TEREERING BY AMITEK Affiliate 818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	GR2	Flat Girder	1	2	Job Reference (optional)	E14115625

2x4 u

3

5-9-8

5-9-8

THD26 4x5 =

Т

12 11

7-6-10

2-0-0

1.15

1 15

NO

IRC2015/TPI2014

4)

5)

6)

7)

9)

desian.

chord.

Spacing

Code

2-0-0 oc purlins (6-0-0 max.): 1-5, except

Rigid ceiling directly applied or 10-0-0 oc

Max Uplift 7=-344 (LC 8), 9=-290 (LC 7)

Max Grav 7=1536 (LC 3), 9=1419 (LC 3)

(lb) - Maximum Compression/Maximum

2-9=-1189/280, 1-2=0/0, 2-11=-634/140,

3-11=-634/140, 3-4=-634/140, 4-5=0/0,

9-10=0/0, 9-12=-3/13, 12-13=-3/13,

15-16=-2/11, 7-16=-2/11, 6-7=0/0

Top chords connected as follows: 2x4 - 1 row at 0-9-0

Bottom chords connected as follows: 2x6 - 2 rows

Web connected as follows: 2x4 - 1 row at 0-9-0 oc.

All loads are considered equally applied to all plies,

 $\mathsf{CASE}(\mathsf{S})$ section. Ply to ply connections have been

provided to distribute only loads noted as (F) or (B).

Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft;

Cat. II; Exp B; Enclosed; MWFRS (envelope); Lumber

Wind: ASCE 7-10; Vult=130mph (3-second gust)

except if noted as front (F) or back (B) face in the LOAD

13-14=-3/13, 8-14=-3/13, 8-15=-2/11,

2-8=-224/1011, 3-8=-434/111, 4-8=-225/1015

7= Mechanical, 9= Mechanical

Plate Grip DOL

Rep Stress Incr

Lumber DOL

(psf)

20.0

10.0

0.0

10.0

18 9/20 0

2x6 SP No.2

2x6 SP No.2

2x4 SP No.2

end verticals

bracing.

Tension

(0.131"x3") nails as follows:

staggered at 0-9-0 oc.

unless otherwise indicated.

DOL=1.60 plate grip DOL=1.33

4-7=-915/212

2-ply truss to be connected together with 10d

oc, 2x6 - 2 rows staggered at 0-9-0 oc.

(size)

9

10

4x5 u

Carter Components (Sanford), Sanford, NC - 27332,

Scale = 1:58.5

Loading

TCDL

BCLL

BCDL

WEBS

BRACING

LUMBER

TOP CHORD

BOT CHORD

TOP CHORD

BOT CHORD

REACTIONS

TOP CHORD

BOT CHORD

WEBS

NOTES

1)

2)

3)

FORCES

TCLL (roof)

Snow (Pf/Pg)

Run: 8.33 S. Feb 13 2020 Print: 8.330 S. Feb 13 2020 MiTek Industries. Inc. Wed Feb 26 11:26:12 ID:X5wCUBqMTeuf7uzTWhDJ3ozhKlj-W80vHmwDylkqQCclt5UG6y0ggveTjh?FTrU2o4zhHP9

> 4x5= 45 ⊠

11-7-0

5-9-8

Page: 1

□∰]7 ПГ 8 1213 14 15 16 6 3x8= 4x5 II THD26 THD26 THD26 THD26 THD26 5-9-8 11-7-0 5-9-8 5-9-8 CSI DEFL l/defl L/d PLATES GRIP in (loc) тс 0.16 Vert(LL) -0.02 7-8 >999 240 MT20 244/190 BC 0.33 Vert(CT) -0.04 7-8 >999 180 WB 0.12 Horz(CT) 0.00 7 n/a n/a Matrix-MSH Weight: 218 lb FT = 20% TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=18.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10, Lu=50-0-0 Unbalanced snow loads have been considered for this Provide adequate drainage to prevent water ponding. * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 290 lb uplift at joint 9 and 344 lb uplift at joint 7. 10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord. MINITE CAR 12) Use USP THD26 (With 18-16d nails into Girder & 12-10d x 1-1/2 nails into Truss) or equivalent at 1-0-8 ORTH from the left end to connect truss(es) to front face of top 13) Use USP THD26 (With 18-16d nails into Girder & Warmannin 12-10d x 1-1/2 nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 3-0-8 from the left end to 11-0-8 to connect truss(es) to front face of bottom chord. SEAL 14) Fill all nail holes where hanger is in contact with lumber. 036322 LOAD CASE(S) Standard Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1 15 Uniform Loads (lb/ft)

Vert: 1-2=-58, 2-4=-58, 4-5=-58, 6-10=-20 Concentrated Loads (lb)

Vert: 7=-266 (F), 11=-223 (F), 13=-261 (F), 14=-261 (F), 15=-261 (F), 16=-261 (F)

🔺 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 besign valid for dise only with with every connectors. This design is based only upon parameters shown, and is for an individual point point, 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 **ANSUTPTI Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

1)



GI

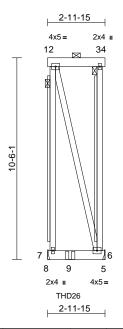
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February 26,2020

Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	GR3	Flat Girder	1	2	Job Reference (optional)	E14115626

Run: 8.33 S Feb 13 2020 Print: 8.330 S Feb 13 2020 MiTek Industries, Inc. Wed Feb 26 11:26:12 ID:1pL745WcBrs9I?x8XJCN3czhKFF-W80vHmwDylkqQCctt5UG6y0ijvhyjixFTrU2o4zhHP9





Scale = 1:60

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 18.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO IRC2015/TPI20 ⁷	CSI TC BC WB 4 Matrix-MP	0.02 0.17 0.00	Vert(CT)	in 0.00 0.00 0.00	(loc) 6-7 6-7 6	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 114 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x6 SP No.2 2x4 SP No.2 2-0-0 oc purlins: 1-4 Rigid ceiling directly bracing. T-Brace: Fasten (2X) T and I of web with 10d (0.1 o.c.,with 3in minimu Brace must cover S	m end distance. 20% of web length. Inical, 7= Mechanical	Vasd= Cat. II DOL= 4) TCLL: DOL= 5-6 C=1.1 8-6 S Unbala desigr 6) Provid 7) * This on the 3-06-0	e adequate drainage to truss has been designo bottom chord in all are 0 tall by 2-00-00 wide	f; BCDL=6 /FRS (env 33 osf (roof liv Pg=20.0 snow: Lur I; Exp B; F e been cor o prevent o prevent ed for a liv as where will fit betw	:.0psf; h=25ft; elope); Lumbe ssf (ground ber DOL=1.1; ully Exp.; asidered for th water ponding e load of 20.0 a rectangle	er 5 is psf	Co	Vert: 1-2 oncentra Vert: 9=	ted Lo		3, 5-8=-20
FORCES TOP CHORD BOT CHORD	Max Grav 6=302 (LC (lb) - Maximum Com Tension 2-7=-90/21, 1-2=0/0 3-6=-90/21 7-8=0/0, 7-9=0/0, 6-1	C 2), 7=437 (LC 2) pression/Maximum , 2-3=0/0, 3-4=0/0,	 8) Refer 9) Provid bearin 7 and 10) This tr 	chord and any other members.8) Refer to girder(s) for truss to truss connections.								
(0.131"x3" Top chord oc, 2x6 - 2 Bottom ch staggered	2-6=0/0 s to be connected toget ') nails as follows: 's connected as follows 2 rows staggered at 0-5 ords connected as follows at 0-9-0 oc. ected as follows: 2x4 -	s: 2x4 - 1 row at 0-9-0 9-0 oc. ows: 2x6 - 2 rows	11) Graph or the bottom 12) Use U 12-100 from th	10.2 and referenced st ical purlin representatio orientation of the purlin o chord. SP THD26 (With 18-16 d x 1-1/2 nails into Trus he left end to connect to o chord, skewed 0.0 de own.	on does no n along the 6d nails inf 6s) or equi russ(es) to	ot depict the s top and/or o Girder & valent at 1-2-3 back face of	3			Winn	PHILIPPINE	SEAL
 All loads a except if n CASE(S) s provided to 	are considered equally noted as front (F) or bac section. Ply to ply conr o distribute only loads nerwise indicated.	applied to all plies, ck (B) face in the LOA nections have been	D 14) Warnin truss s always LOAD CA 1) Deac Incre	nail holes where hange ng: Additional permane ystem (not part of this required. SE(S) Standard + Snow (balanced): L ase=1.15 rm Loads (lb/ft)	ent and sta compone	bility bracing t nt design) is	or			IIIII.	The SN	GILBERT

February 26,2020



Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	J09	Jack-Closed	6	1	Job Reference (optional)	E14115627

Run: 8.33 S Feb 13 2020 Print: 8.330 S Feb 13 2020 MiTek Industries, Inc. Wed Feb 26 11:26:13 ID:N4nkNA?aakPs2w4VpY0RaRzhKMN-?KaHU6xsj3sh2LBxRp?Ve9ZmaJ_GS6uOiVDcKWzhHP8 Page: 1

9-4-0 || 0-3-4 9-0-12 9-0-12 2x4 II 2³ 9¹² 7-6-10 7-6-10 5x8 II 0-6-10 И ٣, \ge 9 54 2x4 🛛 3x5 🍫 9-4-0 || 0-3-4 0-11-0 9-0-12 8-1-12 0-11-0

Scale = 1:55.8

Plate Offsets (X, Y): [1:0-5-9,0-0-13], [1:0-3-12,0-8-4]

Plate Offsets	(X, Y): [1:0-5-9,0-0-13]], [1:0-3-12,0-8-4]											
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 13.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2015	5/TPI2014	CSI TC BC WB Matrix-MSH	0.47 0.36 0.21	. ,	in 0.06 -0.12 0.00	(loc) 5-8 5-8 1	l/defl >999 >942 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 59 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORE BOT CHORE WEBS WEDGE BRACING TOP CHORE BOT CHORE REACTIONS	 2x6 SP No.2 2x4 SP No.2 Left: 2x4 SP No.3 Structural wood sheat 6-0-0 oc purlins. Rigid ceiling directly bracing. 	applied or 10-0-0 oc 5= Mechanical C 13) C 2), 5=432 (LC 25)	6) d or 7) ; 8)	bearing plate 5. One RT7A U truss to bear connection is forces. This truss is International R802.10.2 au	hanical connection e capable of withsta ISP connectors rec ing walls due to UF s for uplift only and designed in accord Residential Code s nd referenced stand necked for L/360 de Standard	ommen PLIFT at does no lance w sections dard AN	04 lb uplift at j ded to conne t jt(s) 1. This ot consider la ith the 2015 \$ R502.11.1 a ISI/TPI 1.	joint ect iteral					
TOP CHORD BOT CHORD WEBS	1-2=-514/469, 2-3=-												
Vasd=10 Cat. II; E: Exterior (members Lumber I	SCE 7-10; Vult=130mph 3mph; TCDL=6.0psf; Br xp B; Enclosed; MWFRS 2) zone; cantilever left e and forces & MWFRS DOL=1.60 plate grip DO	CDL=6.0psf; h=25ft; S (envelope) and C-(exposed ;C-C for for reactions shown; L=1.33									4	CRIMINAL CONTRACTOR	CARO
DOL=1.1 snow); P	SCE 7-10; Pr=20.0 psf (5 Plate DOL=1.15); Pg= f=13.9 psf (flat roof snov vL=1.15); Category II; Ex	=20.0 psf (ground w: Lumber DOL=1.15									THEFT	0	SEAL 36322
 This tru on the bo 3-06-00 t 	ss has been designed fo bttom chord in all areas all by 2-00-00 wide will d any other members, w	where a rectangle fit between the botto	m									C. S.N.	GINEER.
	girder(s) for truss to trus											Tobruor.	. GILD

February 26,2020

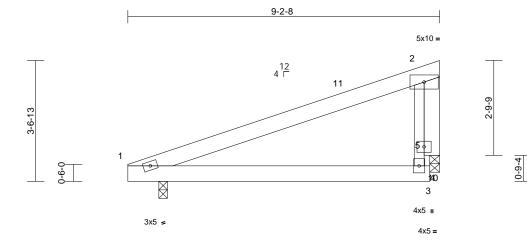
TERGINEERING BY REACTION AMITER Atfiliate 818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	J09A	Jack-Closed	8	1	Job Reference (optional)	E14115628

Run: 8.33 S Feb 13 2020 Print: 8.330 S Feb 13 2020 MiTek Industries, Inc. Wed Feb 26 11:26:13 ID:ct0sc?SPwpneCUCDNqdkU2zhKGd-?KaHU6xsj3sh2LBxRp?Ve9ZmIJ0WS7wOiVDcKWzhHP8 Page: 1

February 26,2020

818 Soundside Road Edenton, NC 27932



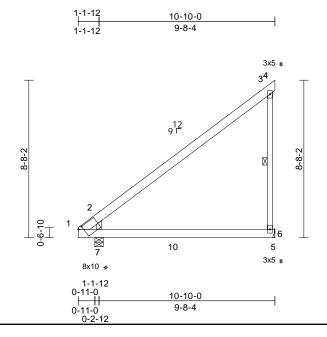
0-11-0	8-11-0	9-2-8
0-11-0	8-0-0	0-3-8

Scale = 1:34													
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 13.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2015	5/TPI2014	CSI TC BC WB Matrix-MR	0.45 0.21 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.06 -0.05 0.00	(loc) 4-7 4-7 10	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 53 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS FORCES TOP CHORD BOT CHORD WEBS NOTES 1) Wind: ASC Vasd=103r Cat. II; Exp Exterior (2) right expos for reaction DOL=1.33 2) TCLL: ASC DOL=1.15 Snow); Pf= Plate DOL= Ct=1.10	2x6 SP No.2 2x6 SP No.2 2x4 SP No.3 2x6 SP No.2 Structural wood shea 6-0-0 oc purlins, exo Rigid ceiling directly bracing.	sept end verticals. applied or 10-0-0 or 0=0-3-8 11) 11), 10=-86 (LC 11 2), 10=290 (LC 2) pression/Maximum -122/103, 4-10=-16- /0 (3-second gust) CDL=6.0psf; h=25ft; 5 (envelope) and C- exposed ; porch left : and forces & MWFR L=1.60 plate grip roof live load: Lumber 20.0 psf (ground v: Lumber DOL=1.1: p B; Fully Exp.;	5) ed or 6) 5 7)) 8) 4/111, LO C and S er 5	on the botton 3-06-00 tall li chord and ar Bearing at jo using ANSI/ designer sho Provide mec bearing plate One RT7A Li truss to bear This connect lateral forces Internasional	designed in acco Residential Code nd referenced sta	as where vill fit betw s. rs parallel in formula y of beari on (by oth- ecommen JPLIFT at Iy and do rdance wi e sections	a rectangle veen the botto to grain valu a. Building ng surface. ers) of truss to ded to conne jt(s) 1 and 1 es not consid th the 2015 R502.11.1 a	om e co oct 0. der			Charline .		CARO ESSIGNE SEAL 36322 GINEER GILBE

Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	J10	Jack-Closed	8	1	Job Reference (optional)	E14115629

Run: 8.33 S Feb 13 2020 Print: 8.330 S Feb 13 2020 MiTek Industries, Inc. Wed Feb 26 11:26:13 ID:T9T1RgyjBsyxzFYS1SRSOszhLUk-?KaHU6xsj3sh2LBxRp?Ve9ZkkJysS6YOiVDcKWzhHP8

Page: 1



Scale = 1:63.5 Plate Offsets (X, Y): [1:0-2-13,0-0-4]

1 1410 0110010 (, , , , [<u>_</u>	1											
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 13.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2015/	TPI2014	CSI TC BC WB Matrix-MSH	0.58 0.51 0.23	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.11 -0.22 0.00	(loc) 6-7 6-7 6	l/defl >995 >517 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 69 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x4 SP No.2 *Excep Structural wood shee 6-0-0 oc purlins, exc Rigid ceiling directly bracing. 1 Row at midpt	athing directly applie cept end verticals. applied or 10-0-0 or 3-6 inical, 7=0-5-8 C 13) C 13) C 24), 7=474 (LC 2)	5) 6) c 7)	Provide mecl bearing plate joint 6. One RT7A U truss to beari connection is forces. This truss is International	er(s) for truss to tru hanical connection e capable of withsta (SP connectors rec ing walls due to UF s for uplift only and designed in accord Residential Code s and referenced stan Standard	i (by oth anding 1 commen PLIFT at does no dance w sections	ers) of truss 07 lb uplift a ded to conne t jt(s) 7. This ot consider la ith the 2015 5 R502.11.1 a	t ect ateral					
TOP CHORD BOT CHORD	3-6=-311/215 1-7=-224/301, 7-10=		4,										
WEBS	5-6=0/0 2-7=-829/784												
NOTES	2-1=-029/104											annin 1	CAD
 Wind: ASC Vasd=103 Cat. II; Exx Exterior (2 members Lumber D TCLL: ASC DOL=1.15 snow); Pf Plate DOL Ct=1.10 * This trus 	CE 7-10; Vult=130mph imph; TCDL=6.0psf; B(p B; Enclosed; MWFRS 2) zone; cantilever left e and forces & MWFRS 0L=1.60 plate grip DO CE 7-10; Pr=20.0 psf (i Plate DOL=1.15); Pg= =13.9 psf (flat roof snov .=1.15); Category II; Ex s has been designed for tom chord in all areas v	CDL=6.0psf; h=25ft; S (envelope) and C- exposed ;C-C for for reactions shown L=1.33 roof live load: Lumb =20.0 psf (ground w: Lumber DOL=1.1 κρ B; Fully Exp.; or a live load of 20.0	C ; er 5								Winnin	I TROPING	SEAL 36322

- Lumber DOL=1.60 plate grip DOL=1.33 TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber 2) DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.



A. GI

February 26,2020

The Green

Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	J13	Jack-Closed	1	1	Job Reference (optional)	E14115630

4-5-13

4-5-13

Carter Components (Sanford), Sanford, NC - 27332,

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3x5

13-8-1

9-2-4

Page: 1

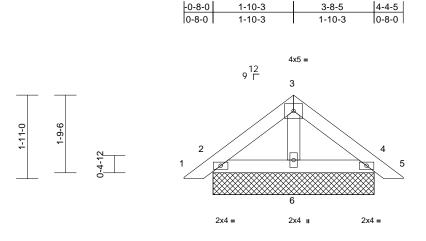
3⁴ 9¹² 10-6-1 10-6-1 6x8 🚽 12 6.36 Г 2 4x5 . 1 -2-14 8 6 x 7 5 2x4 II 4x5= 4x5= 0-0-6 4-4-1 13-8-1 0-0-6 4-3-11 9-4-0 Scale = 1:63.7 Loading Spacing 2-0-0 CSI DEFL l/defl L/d PLATES GRIP (psf) in (loc) TCLL (roof) 20.0 Plate Grip DOL 1.15 тс 0.54 Vert(LL) -0.01 6-7 >999 240 MT20 244/190 Snow (Pf/Pg) BC Vert(CT) 13 9/20 0 Lumber DOL 1 15 0.27 -0.07 6-7 >999 180 TCDL 10.0 Rep Stress Incr YES WB 0.28 Horz(CT) 0.01 6 n/a n/a BCLL 0.0 Code IRC2015/TPI2014 Matrix-MSH BCDL 10.0 Weight: 110 lb FT = 20% LUMBER 5) Refer to girder(s) for truss to truss connections. 6) Provide mechanical connection (by others) of truss to TOP CHORD 2x6 SP No.2 bearing plate capable of withstanding 118 lb uplift at joint BOT CHORD 2x6 SP No.2 2x4 SP No.3 *Except* 3-6,6-2:2x4 SP No.2 WEBS 6 One RT7A USP connectors recommended to connect 7) BRACING truss to bearing walls due to UPLIFT at jt(s) 8. This TOP CHORD Structural wood sheathing directly applied or connection is for uplift only and does not consider lateral 6-0-0 oc purlins, except end verticals. forces BOT CHORD Rigid ceiling directly applied or 10-0-0 oc 8) This truss is designed in accordance with the 2015 bracing. International Residential Code sections R502.11.1 and WEBS 1 Row at midpt 3-6, 2-6 R802.10.2 and referenced standard ANSI/TPI 1. REACTIONS 6= Mechanical. 8=0-7-0 (size) LOAD CASE(S) Standard Max Horiz 8=245 (LC 15) Max Uplift 6=-118 (LC 15) Max Grav 6=565 (LC 28), 8=530 (LC 2) FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 1-8=-509/0, 1-2=-718/0, 2-3=-201/150, 3-4=-8/0, 3-6=-291/200 BOT CHORD 7-8=-326/298. 6-7=-235/650. 5-6=0/0 1-7=0/556, 2-7=0/126, 2-6=-675/242 WFBS NOTES 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) MILLIN Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone;C-C for members and forces & O MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33 2) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber the contraction of the second DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground SEAL snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 036322 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10 3) Unbalanced snow loads have been considered for this design. 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle G 3-06-00 tall by 2-00-00 wide will fit between the bottom "IIIIIIIIII chord and any other members. February 26,2020 🛦 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 being real of the set only water the building designer must verify the subject of building designer much 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 **ANS/TP11 Quality Criteria, DSB-89 and BCSI Building Component** fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Qua Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314. 818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	PB05	Piggyback	1	1	Job Reference (optional)	E14115631

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3-8-5





Scale = 1:26.4

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 13.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-11-4 1.15 1.15 YES IRC2015	5/TPI2014	CSI TC BC WB Matrix-MP	0.03 0.04 0.01	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 4	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 17 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.3 Structural wood shee 5-1-5 oc purlins. Rigid ceiling directly bracing. (size) 2=3-8-5, 4 7=3-8-5, 1 Max Horiz 2=-33 (LC Max Uplift 2=-7 (LC (LC 13), 1 Max Grav 2=108 (LC	I=3-8-5, 6=3-8-5, 1=3-8-5 11), 7=-33 (LC 11) 13), 4=-11 (LC 14), 7₌ 1=-11 (LC 14)	i or 5) 6) 7) 8) =-7 =121	DOL=1.15 P snow); Pf=12 Plate DOL=1 Ct=1.10 This truss ha load of 12.0 overhangs n Gable requir Gable studs * This truss h on the bottor 3-06-00 tall t chord and ar One RT7A U truss to bear This connect	7-10; Pr=20.0 ps late DOL=1.15); F 3.9 psf (flat roof sr .15); Category II; as been designed psf or 2.00 times on-concurrent wit es continuous boi spaced at 2-0-0 as been designe n chord in all area by 2-00-00 wide w by other members ISP connectors re- ing walls due to L ion is for uplift on	Pg=20.0 p now: Lum Exp B; F for greate flat roof lk th other liv ttom chor bc. d for a liv as where vill fit betw s.	osf (ground iber DOL=1.1 iully Exp.; er of min roof pad of 13.9 ps re loads. d bearing. e load of 20.0 a rectangle veen the botto ded to conne ijt(s) 2, 4, and	5 live sf on 0psf om ct 1 6.					
FORCES TOP CHORD BOT CHORD WEBS	,	7, 3-4=-54/37, 4-5=0/ [.]	19	International R802.10.2 a See Standar	, designed in acco Residential Code nd referenced sta d Industry Piggyb nnection to base	e sections Indard AN Dack Trus	R502.11.1 a ISI/TPI 1. s Connection						
NOTES	00000				fied building desig								CADIN
 this desig Wind: AS Vasd=100 Cat. II; Ex Exterior (<i>i</i> vertical le forces & N DOL=1.6(Truss de only. For see Stance 	ed roof live loads have n. CE 7-10; Vult=130mph 3mph; TCDL=6.0psf; B(φ B; Enclosed; MWFR2 2) zone; cantilever left at ft and right exposed;C- MWFRS for reactions si 0 plate grip DOL=1.33 signed for wind loads ir studs exposed to wind dard Industry Gable End t qualified building desig	(3-second gust) CDL=6.0psf; h=25ft; S (envelope) and C-C and right exposed ; er C for members and hown; Lumber n the plane of the trus (normal to the face), d Details as applicabl	; nd s e,	AD CASE(S)	Standard							•	SEAL 36322

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 ANS/TPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

A. GI A. GIL February 26,2020

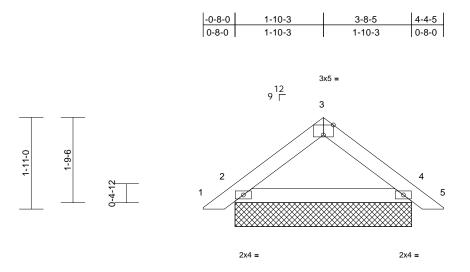
818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	PB05A	Piggyback	5	1	Job Reference (optional)	E14115632

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3-8-5

Page: 1



Scale = 1:24.1

Plate Offsets (X, Y): [3:0-2-8,Edge]

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 13.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC201	5/TPI2014	CSI TC BC WB Matrix-MP	0.06 0.07 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 10	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 15 lb	GRIP 244/190 FT = 20%
BOT CHORD BRACING TOP CHORD BOT CHORD REACTIONS (REACTIONS (N FORCES TOP CHORD BOT CHORD BOT CHORD NOTES 1) Unbalanced this design. 2) Wind: ASCE Vasd=103m Cat. II; Exp Exterior (2) vertical left forces & MW DOL=1.60 p S) Truss desig only. For st see Standai	10=3-8-5 Max Horiz 2=-34 (LC Max Uplift 2=-2 (LC Max Grav 2=175 (LC	applied or 10-0-0 oc 4=3-8-5, 6=3-8-5, 11), 6=-34 (LC 11) 13), 6=-2 (LC 13) 2 2), 4=181 (LC 2), 6 181 (LC 2) pression/Maximum 41, 3-4=-110/39, been considered for (3-second gust) CDL=6.0psf; h=25ft; S (envelope) and C- and right exposed ; e C for members and hown; Lumber the plane of the tru (normal to the face) d Details as applicable	5) 6) 7) 8) 5)=175 9) 1(- 1 ⁴ C end ss ,	DOL=1.15 Pl snow); Pf=13 Plate DOL=1 Ct=1.10 This truss ha load of 12.0 µ overhangs n Gable requir Gable studs * This truss h on the bottor 3-06-00 tall b chord and ar One RT7A U truss to bear This connect lateral forces)) This truss is International R802.10.2 ar) See Standar Detail for Coi	designed in accou Residential Code nd referenced sta d Industry Piggyb nnection to base ied building desig	Pg=20.0 p now: Lum Exp B; F for greate flat roof ld h other liv tom chor pc. d for a liv as where vill fit betw b commen JPLIFT at ly and do rdance wi s sections ndard AN ack Trus: truss as a	sf (ground ber DOL=1.1 ully Exp.; er of min roof pad of 13.9 ps re loads. d bearing. e load of 20.0 a rectangle veen the botto ded to conne jt(s) 2 and 4. es not consid th the 2015 R502.11.1 a SI/TPI 1. s Connection	5 live sf on)psf om ct ler			Contraction of the second s	0.	CAROL SEAL 36322 GINEER GILBER



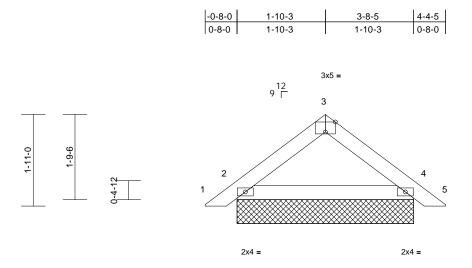


Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	PB05B	Piggyback	1	2	Job Reference (optional)	E14115633

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3-8-5

Page: 1



Scale = 1:24.1

Plate Offsets (X, Y): [3:0-2-8,Edge]

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 13.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-11-4 1.15 1.15 YES IRC201	5/TPI2014	CSI TC BC WB Matrix-MP	0.03 0.03 0.00		in n/a n/a 0.00	(loc) - - 10	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 30 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD BRACING TOP CHORD BOT CHORD REACTIONS FORCES TOP CHORD BOT CHORD BOT CHORD NOTES 1) 2-ply truss Top chords follows: 2x Bottom cha follows: 2x 2) All loads a except if n CASE(5) provided t unless oth	2x4 SP No.2 2x4 SP No.2 Structural wood shea 5-1-5 oc purlins. Rigid ceiling directly bracing. (size) 2=3-8-5, 4 10=3-8-5 Max Horiz 2=33 (LC Max Uplift 2=-2 (LC 1 Max Grav 2=169 (LC (LC 2), 10 (lb) - Maximum Com Tension 1-2=0/19, 2-3=-105/4 4-5=0/19 2-4=-6/77 to be connected toget s connected with 10d (4 - 1 row at 0-9-0 oc. ords connected with 10d (4 - 1 row at 0-9-0 oc. ords connected with 10d (4 - 1 row at 0-9-0 oc. ords connected with 10d (4 - 1 row at 0-9-0 oc. ords connected with 10d (4 - 1 row at 0-9-0 oc. ords connected with 10d (4 - 1 row at 0-9-0 oc. ords connected with 10d (4 - 1 row at 0-9-0 oc. ords connected with 10d (4 - 1 row at 0-9-0 oc. ords connected with 10d (4 - 1 row at 0-9-0 oc. ords connected with 10d (4 - 1 row at 0-9-0 oc.	applied or 10-0-0 oc I=3-8-5, 6=3-8-5, 12), 6=33 (LC 12) 13), 6=-2 (LC 13) C 2), 4=175 (LC 2), 6: =175 (LC 2) pression/Maximum 40, 3-4=-106/38, ther as follows: 0.131"x3") nails as Dd (0.131"x3") nails as Dd (0.131"x3") nails as plied to all plies, ck (B) face in the LO/ nections have been noted as (F) or (B),	5) =169 7) 8) 9) 10 85 11 AD 12 13	Vasd=103mp Cat. II; Exp E Exterior (2) z vertical left at forces & MW DOL=1.60 pl Truss design only. For stu see Standarc or consult qu TCLL: ASCE DOL=1.15 Pl snow); Pf=13 Plate DOL=1 Ct=1.10 This truss ha load of 12.0 p overhangs no Gable require Gable studs s)) * This truss h on the bottom 3-06-00 tall b chord and an) One RT7A U truss to beari This connect lateral forces c) This truss is International R802.10.2 ar s) See Standard	designed in accord Residential Code s ad referenced stan d Industry Piggyba nection to base tr ied building design	SCDL=6 SS (env: and rig S-C for n shown; in the pi d (norm nd Deta signer as (roof liv g=20.0 p ov: Lum Exp B; F or greate at roof lo other liv other liv other liv other liv s where I fit betw commen PLIFT at v and do lance w sections dard AN ck Trus: uss as a	.0psf; h=25ft; elope) and C ht exposed; e nembers and Lumber ane of the tru al to the face) lis as applicat s per ANSI/TF e load: Lumbe osf (ground ber DOL=1.1; ully Exp.; er of min roof bad of 13.9 ps re loads. d bearing. e load of 20.0 a rectangle reen the botto ded to connect jt(s) 2 and 4. es not consid ith the 2015 R502.11.1 an IS/I/TP11.	C end ss , ole, er 5 live of on psf om ct er			Charline.	UN ORTH	CARO SSIC SSIC SEAL 36322
			L	DAD CASE(S)	Standard							in A	. GILD

February 26,2020

ENGINEERING BY EREENCO A MITEK Affiliate 818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	PB05C	Piggyback	2	3	Job Reference (optional)	E14115634

-0-8-0

0-8-0

2

1-10-3

1-10-3

9¹²

Carter Components (Sanford), Sanford, NC - 27332,

Scale = 1:24.1

Loading

TCDL

BCLL

BCDL

NOTES

1)

TCLL (roof)

Snow (Pf/Pg)

Plate Offsets (X, Y): [3:0-2-8,Edge]

Run: 8.33 S. Feb 13 2020 Print: 8.330 S. Feb 13 2020 MiTek Industries. Inc. Wed Feb 26 11:26:14 ID:o9PRTGEdIzInK4xTUCmCy2zhKEK-TX8fiSyUUN_XgVm8_WWkBN52IjPjBcRXx9z9szzhHP7

3x5 =

3

3-8-5

1-10-3



4

2x4 =

l/defl

n/a 999

n/a 999

n/a n/a

10

L/d

PLATES

Weight: 45 lb

MT20

GRIP

244/190

FT = 20%

5

4-4-5

0-8-0

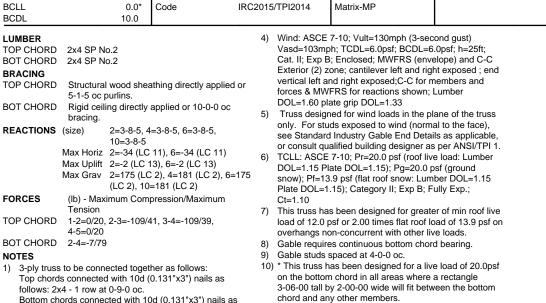


Edenton, NC 27932

SEAL

036322

G minum February 26,2020



1-9-6

2-0-0

1.15

1.15

YES

1-11-0

Spacing

Plate Grip DOL

Rep Stress Incr

Lumber DOL

(psf)

20.0

10.0

13.9/20.0

- Bottom chords connected with 10d (0.131"x3") nails as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated. 3)
- Unbalanced roof live loads have been considered for this design.

3-8-5 CSI DEFL in (loc) тс 0.02 Vert(LL) n/a BC 0.02 Vert(CT) n/a WB Horz(CT) 0.00 0.00

11) One RT7A USP connectors recommended to connect

12) This truss is designed in accordance with the 2015

R802.10.2 and referenced standard ANSI/TPI 1.

13) See Standard Industry Piggyback Truss Connection

consult qualified building designer.

Detail for Connection to base truss as applicable, or

truss to bearing walls due to UPLIFT at jt(s) 2 and 4.

This connection is for uplift only and does not consider

International Residential Code sections R502 11 1 and

2x4 =

🙏 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE

lateral forces.

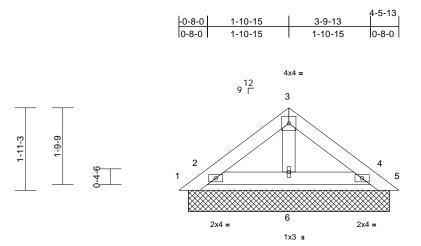
LOAD CASE(S) Standard

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not besign valid for dise only with with every connectors. This design is based only upon parameters shown, and is for an individual point point, 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 **ANSUTPTI Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	PB05D	Piggyback	1	1	Job Reference (optional)	E14115635

Scale = 1:27

Run: 8.33 S Feb 13 2020 Print: 8.330 S Feb 13 2020 MiTek Industries, Inc. Wed Feb 26 11:26:15 ID:Pgtt6r6Ygvp8NzOEFhK4HSzhKXs-xji1voz6Fg6OHfKKYE2zjaeDV6lww3Th9piiPPzhHP6



3-9-13

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 13.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-11-4 1.15 1.15 YES IRC201	5/TPI2014	CSI TC BC WB Matrix-P	0.03	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 4	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 17 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	5-1-13 oc purlins. Rigid ceiling directly bracing. (size) 1=4-8-8, 5=4-8-8, Max Horiz 1=34 (LC Max Uplift 1=-55 (LC 4=-39 (LC Max Grav 1=37 (LC	: 12) C 25), 2=-47 (LC 13), C 14), 5=-39 (LC 26)	ed or 5) 6) 5 7) 8) 9)	snow); Pf=1: Plate DOL=' Ct=1.10 Gable requir Gable studs * This truss I on the bottoo 3-06-00 tall I chord and at Provide mee bearing platt 1 and 39 lb 0 One RT4 US truss to bear	late DOL=1.15 3.9 psf (flat root 15); Category es continuous spaced at 2-0- has been desig m chord in all a by 2-00-00 wid hanical conne- e capable of wi uplift at joint 5. SP connectors ing walls due t tion is for uplift	i); Pg=20.0 p f snow: Lum r II; Exp B; F bottom chor 0 oc. ned for a liv areas where e will fit betw ers. ction (by oth thstanding 5 recommend o UPLIFT at	osf (ground iber DOL=1. ully Exp.; d bearing. e load of 20. a rectangle veen the bott ers) of truss 5 lb uplift at ed to connecc jt(s) 2, 4, an	15 Opsf om to joint t d 6.				<u> </u>	
FORCES TOP CHORD BOT CHORD	(lb) - Maximum Con Tension 1-2=-48/68, 2-3=-56 4-5=-22/39 2-6=-17/28, 4-6=-17)/29, 3-4=-55/29,		R802.10.2 a 1) See Standar	Residential C nd referenced	ode sections standard AN gyback Truss	s R502.11.1 a ISI/TPI 1. s Connectior	n				unin Marth	
WEBS	3-6=-70/14				fied building d		,						CAD"
this desig 2) Wind: AS Vasd=102 Cat. II; Ex Exterior (2 vertical le forces & N DOL=1.60 3) Truss der only. For	ed roof live loads have n. CE 7-10; Vult=130mph mph; TCDL=6.0psf; B p B; Enclosed; MWFR 2) zone; cantilever left t and right exposed;C- MWFRS for reactions s 0 plate grip DOL=1.33 signed for wind loads i studs exposed to winc lard Industry Gable En	h (3-second gust) CDL=6.0psf; h=25ft; S (envelope) and C- and right exposed ; e -C for members and shown; Lumber In the plane of the true d (normal to the face)	C end ss	OAD CASE(S)	Standard						With Million	PFP	SEAL 36322

Truss designed for wind loads in the plane of the truss 3) 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.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 **ANS/TPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



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The Channer February 26,2020

WITTER PARTY

Page: 1

Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	PB05E	Piggyback	9	1	Job Reference (optional)	E14115636

-0-8-0

0-8-0

1-10-15

1-10-15

Carter Components (Sanford), Sanford, NC - 27332,

Run: 8.33 S Feb 13 2020 Print: 8.330 S Feb 13 2020 MiTek Industries, Inc. Wed Feb 26 11:26:15 ID:EE1SvtVxVzNeAQG7YEoyJXzhKyS-xji1voz6Fg6OHfKKYE2zjaeDQ6j9w3hh9piiPPzhHP6

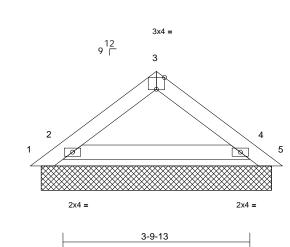
3-9-13

1-10-15

4-5-13

0-8-0





Scale = 1:23.5

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

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL	(psf) 20.0 13.9/20.0 10.0 0.0*	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC201	5/TPI2014	CSI TC BC WB Matrix-P	0.06 0.14 0.00	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 5	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20	GRIP 244/190
BCDL	10.0											Weight: 15 lb	FT = 20%
FORCES TOP CHORD BOT CHORD NOTES 1) Unbalance this design 2) Wind: ASC Vasd=1033 Cat. II; Exp Exterior (2 vertical left forces & M DOL=1.60 3) Truss des only. For s see Standa	Max Horiz 1=-35 (LC Max Uplift 1=-59 (LC 4=-24 (LC Max Grav 1=38 (LC 4=227 (LC (Ib) - Maximum Com Tension 1-2=-49/72, 2-3=-110 4-5=-23/41 2-4=-4/61 ed roof live loads have	applied or 10-0-0 oc 2=4-8-8, 4=4-8-8, 5= 11) 25), 2=-36 (LC 13), 14), 5=-42 (LC 26) 10), 2=236 (LC 25), 2), 5=25 (LC 14) pression/Maximum 6/42, 3-4=-116/42, been considered for (3-second gust) CDL=6.0psf; h=25ft; S (envelope) and C-1 and right exposed ; e C for members and hown; Lumber	d or 5) ; 6) 7) 4-8-8 8) 9) 1(1' C nd ss	DOL=1.15 Pl snow); Pf=13 Plate DOL=1 Ct=1.10 Gable requiri Gable studs * This truss h on the bottom 3-06-00 tall b chord and ar Provide meci bearing plate 1 and 42 lb u One RT4 US truss to beari This connect lateral forces D) This truss is International R802.10.2 ar) See Standard	P connectors recorn ng walls due to UP ion is for uplift only designed in accord Residential Code s d referenced stand d Industry Piggybad nection to base tru ied building design	=20.0 p w: Lum xp B; F m chor for a liv where fit betv (by oth nding 5 nmend LIFT at and do ance w ections lard AN kk Trus ss as a	sf (ground ber DOL=1.1 ully Exp.; d bearing. e load of 20.0 a rectangle reen the botto ers) of truss tr 9 lb uplift at jo ed to connect jt(s) 2 and 4. es not consid th the 2015 R502.11.1 a SI/TPI 1. s Connection	5 opsf om bint er			Contraction of the second seco		CARO SEAL 36322 GINEERICATION Y 26,2020

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 **ANS/TPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

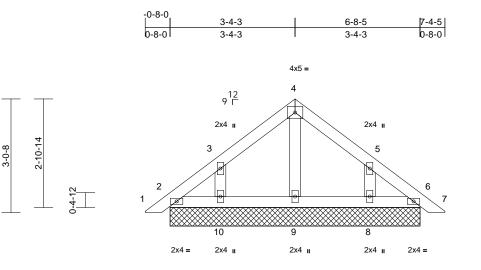
ERGINEERING BY A MITEK Affiliate

818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	PB08	Piggyback	2	1	Job Reference (optional)	E14115637

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Page: 1



6-8-5

Scale = 1:30.9

Loading	(psf)		-0-0		csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	1 1	.15		TC		Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	13.9/20.0		15		BC	0.02	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0		ES		WB	0.03	Horz(CT)	0.00	15	n/a	n/a		
BCLL	0.0*	Code IF	RC2015/	TPI2014	Matrix-MP								
BCDL	10.0					-						Weight: 31 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD	6-0-0 oc purlins.	athing directly applied or	4)	only. For stu see Standard or consult qu TCLL: ASCE DOL=1.15 Pl snow); Pf=13	ned for wind load ds exposed to wi d Industry Gable I alified building de 7-10; Pr=20.0 ps ate DOL=1.15); F 8.9 psf (flat roof sr .15); Category II;	nd (norm End Deta esigner as of (roof liv Pg=20.0 p now: Lum	al to the face ils as applica s per ANSI/T e load: Lumb osf (ground ber DOL=1. ²	e), Ible, PI 1. per					
OT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 oc		Ct=1.10	. 15), Category II,	схр В, Г	ully Exp.,						
	9=6-8-5, 15=6-8-5 Max Horiz 2=-56 (LC Max Uplift 2=-7 (LC (LC 13), Max Grav 2=78 (LC (LC 26), 9 25), 11=7	9), 8=-42 (LC 14), 10=-4 11=-7 (LC 9) 2), 6=78 (LC 2), 8=169 9=116 (LC 2), 10=170 (L' 8 (LC 2), 15=78 (LC 2)	6) 3 7) 3 8) C	load of 12.0 p overhangs no Gable require Gable studs * This truss h on the bottom 3-06-00 tall b chord and an	s been designed osf or 2.00 times on-concurrent wit es continuous bol spaced at 2-0-0 c has been designe n chord in all area by 2-00-00 wide yo other members SP connectors re	flat roof lo h other liv ttom chor bc. d for a liv as where vill fit betw s.	bad of 13.9 p ve loads. d bearing. e load of 20.0 a rectangle veen the bott	sf on Opsf om					
FORCES	(lb) - Maximum Com Tension	pression/Maximum			ing walls due to L connection is for u			,					
TOP CHORD	1-2=0/20, 2-3=-43/4 4-5=-67/60, 5-6=-29	/29, 6-7=0/20	10)	consider late This truss is	ral forces. designed in acco	rdance w	ith the 2015						
BOT CHORD	2-10=-29/54, 9-10=- 6-8=-29/54	29/54, 8-9=-29/54,			Residential Code nd referenced sta			and				IN RTH	CARO
NEBS	4-9=-73/0, 3-10=-15	1/108, 5-8=-151/108	11)	See Standar	d Industry Piggyb	ack Trus	s Connection	n				I'LORTH	in the
NOTES					nnection to base		applicable, or					N'NONF	E SHOW IS
) Unbalance	ed roof live loads have	been considered for		consult qualit	fied building desig	gner.					2	ny	1000
this design			LOA	AD CASE(S)	Standard						-	.4	N A
 Wind: ASC Vasd=103 Cat. II; Exp 	CE 7-10; Vult=130mph mph; TCDL=6.0psf; B p B; Enclosed; MWFR	CDL=6.0psf; h=25ft; S (envelope) and C-C									THE PARTY	•	SEAL 36322
Exterior (2) zone, cantilever left	and right exposed ; end											

vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 **ANS/TPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

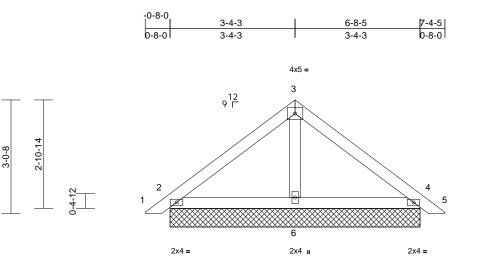


A. GI A. GIL February 26,2020

C

Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	PB08A	Piggyback	10	1	Job Reference (optional)	E14115638

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6-8-5

Scale = 1:30.9

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 13.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC201	5/TPI2014	CSI TC BC WB Matrix-MP	0.15	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 2	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 28 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	6-0-0 oc purlins. Rigid ceiling directly bracing. (size) 2=6-8-5, 4 7=6-8-5, 1 Max Horiz 2=-56 (LC Max Uplift 2=-14 (LC 7=-14 (LC Max Grav 2=192 (LC	C 11), 7=-56 (LC 11) C 13), 4=-19 (LC 14), C 13), 11=-19 (LC 14)	d or 5) 6) 7) 8) =205	DOL=1.15 Pl snow); Pf=13 Plate DOL=1 Ct=1.10 This truss ha load of 12.0 µ overhangs n Gable requirin Gable studs * This truss h on the bottom 3-06-00 tall b chord and ar One RT7A U truss to bear	7-10; Pr=20.0 ps ate DOL=1.15); F .9 psf (flat roof sr .15); Category II; s been designed osf or 2.00 times i on-concurrent witi es continuous bot spaced at 4-0-0 c ias been designe n chord in all area y 2-00-00 wide w y other members SP connectors re ng walls due to U ion is for uplift on .	Pg=20.0 p how: Lum Exp B; F for greate flat roof k to other lin tom chor c. d for a liv is where ill fit betw commen IPLIFT at	esf (ground ber DOL=1.1 ully Exp.; er of min roof bad of 13.9 p ve loads. d bearing. e load of 20.0 a rectangle veen the botto ded to conne jt(s) 2, 4, and	5 live sf on Opsf om ct d 6.					
FORCES TOP CHORD BOT CHORD	(lb) - Maximum Com Tension 1-2=0/20, 2-3=-133/ 4-5=0/20 2-6=-16/68, 4-6=-1/6	78, 3-4=-133/78,		International R802.10.2 ar See Standar Detail for Col	designed in accor Residential Code nd referenced sta d Industry Piggyb nnection to base	sections ndard AN ack Truss truss as a	R502.11.1 a ISI/TPI 1. s Connection						
WEBS NOTES 1) Unbalance this design	3-6=-74/0 ed roof live loads have h.	been considered for		consult qualit DAD CASE(S)	ied building desig Standard	gner.						ORTH	CARO

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33

 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.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 **ANS/TPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

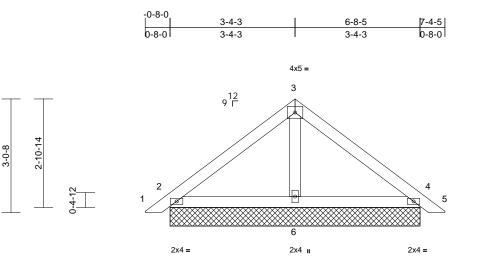


Page: 1



Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	PB08B	Piggyback	2	3	Job Reference (optional)	E14115639

Run: 8.33 S Feb 13 2020 Print: 8.330 S Feb 13 2020 MiTek Industries, Inc. Wed Feb 26 11:26:16 ID:QXanrM_zjUCfCYir8tTwTHzhLUi-PvGP78_k0_EFvpvW6xZCGoBOOW4qfWtqOSSGxrzhHP5



6-8-5

Soolo .	= 1:30.9

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 13.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-11-4 1.15 1.15 YES IRC2015	5/TPI2014	CSI TC BC WB Matrix-MP	0.05 0.05 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 2	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 85 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	6-0-0 oc purlins. Rigid ceiling directly bracing. (size) 2=6-8-5, 4 7=6-8-5, 1 Max Horiz 2=-55 (LC Max Uplift 2=-14 (LC 7=-14 (LC Max Grav 2=185 (LC (LC 2), 7=	H=6-8-5, 6=6-8-5, 1=6-8-5 11), 7=-55 (LC 11) 13), 4=-19 (LC 14), 13), 11=-19 (LC 14)	5) 6) =200	Vasd=103m; Cat. II; Exp E Exterior (2) z vertical left a forces & MW DOL=1.60 pl Truss desig; only. For stu see Standard or consult qu TCLL: ASCE DOL=1.15 Pl snow); Pf=13 Plate DOL=1 Ct=1.10	7-10; Vult=130m bit; TCDL=6.0psf bit; TC	BCDL=6 FRS (enve ft and rigi ;C-C for n s shown; 13 33 ind (norm: End Detai esigner as sf (roof liv Pg=20.0 p now: Lum ; Exp B; F	:.0psf; h=25ft; elope) and C- ht exposed ; i, nembers and Lumber lane of the tru al to the face ils as applical is per ANSI/TF e load: Lumb ssf (ground uber DOL=1.1 ully Exp.;	C end lss), ole, PI 1. er 5				<u> </u>	
FORCES	2) (Ib) - Maximum Com	pression/Maximum	,	load of 12.0 overhangs n	psf or 2.00 times on-concurrent wi	flat roof lo	bad of 13.9 ps /e loads.						
TOP CHORD	Tension 1-2=0/19, 2-3=-127/7 4-5=0/19	75, 3-4=-127/76,	8) 9) 10	Gable studs	es continuous bo spaced at 4-0-0 has been designe	oc.	0	Insf					
BOT CHORD WEBS	2-6=-21/81, 4-6=-1/6 3-6=-75/0	64	10	on the bottor 3-06-00 tall b	n chord in all are by 2-00-00 wide v by other member	as where vill fit betw	a rectangle					IN TH	CARO
Top chord follows: 2> Bottom ch	to be connected toget s connected with 10d (44 - 1 row at 0-9-0 oc. ords connected with 10 44 - 1 row at 0-9-0 oc.	0.131"x3") nails as	s) One RT7A U truss to bear This connect lateral forces) This truss is	SP connectors re ing walls due to l ion is for uplift or	ecommen JPLIFT at hly and do ordance wi	; jt(s) 2, 4, and es not consid ith the 2015	d 6. Ier			Con the second	2 PR	SEAL

- All loads are considered equally applied to all plies, 2) 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 3) this design.
- cordance with the International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 13) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard



Page: 1



Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	PB11	Piggyback	1	2	Job Reference (optional)	E14115640

Run: 8.33 S Feb 13 2020 Print: 8.330 S Feb 13 2020 MiTek Industries, Inc. Wed Feb 26 11:26:16 Page: 1 ID:PlxjNlr2_r2voWc1neePr5zhKCF-PvGP78_k0_EFvpvW6xZCGoBN6W42fWOqOSSGxrzhHP5 -0-8-0 1-8-11 10-6-11 0-8-0 1-8-11 8-9-15 1.5x3 🛚 1x3 u 1x3 u 4x4 = 9¹² 3 4 6 2 \bowtie \bowtie \bowtie Я 0 0 1-7-15 1-9-8 2 0-4-6 0 0-1-10 1 7 ø **₫**1 10 9 8 1x3 m 1x3 u 1x3 u 3x4 = 1.5x4 = 10-6-11 1-10-7 10-3-3 0-3-8 1-10-7 8-4-11

Scale =	1.29.9

1-9-9

Scale = 1:29.9						_							
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 18.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-11-4 1.15 1.15 YES IRC2015	5/TPI2014	CSI TC BC WB Matrix-MSH	0.13 0.03 0.04	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 7	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 80 lb	GRIP 244/190 FT = 20%
	6-0-0 oc purlins, exo 2-0-0 oc purlins (10- Rigid ceiling directly bracing. (size) 1=11-0-0, 8=11-0-0, 11=11-0-0 Max Horiz 1=49 (LC Max Uplift 1=-43 (LC (LC 11), 8 11), 10=-9 Max Grav 1=36 (LC (LC 34), 8	applied or 6-0-0 oc 2=11-0-0, 7=11-0-0, 9=11-0-0, 10=11-0-0 0, 12=11-0-0 14) : 39), 2=-17 (LC 15), 7 :=-8 (LC 12), 9=-14 (L 0 (LC 12), 12=-17 (LC	d 4)), 5) 7=-1 .C : 15) 6) (LC	CASE(S) sec provided to d unless othern Unbalanced this design. Wind: ASCE Vasd=103mp Cat. II; Exp E Exterior (2) z vertical left a forces & MW DOL=1.60 pl Truss design only. For stu see Standarc or consult qu	ace in the LO s have been as (F) or (B), considered for ond gust) .0psf; h=25ft; elope) and C-Q t exposed; e nembers and Lumber ane of the true al to the face) Is as applicab per ANSI/TP e load: Lumbe s (ground ber DOL=1.1!	 the LOAD been truss to bearing walls due to UPLIFT at jt(s) 7, 2, and 10. This connection is for uplift only and does consider lateral forces. 15) This truss is designed in accordance with the 201 International Residential Code sections R502.11. R802.10.2 and referenced standard ANSI/TPI 1. 16) See Standard Industry Piggyback Truss Connection bease truss as applicable, consult qualified building designer. 17) Graphical purlin representation does not depict th or the orientation of the purlin along the top and/or bottom chord. LOAD CASE(S) Standard DL=1.15 					T at jt(s) 7, 2, 9, 8, t only and does not ce with the 2015 tions R502.11.1 and d ANSI/TPI 1. Truss Connection as applicable, or es not depict the size g the top and/or		
FORCES	(lb) - Maximum Com Tension		7)	,	snow loads have	been cor	sidered for th	is				IN TH	CARO
TOP CHORD	,	/23, 7-11=0/0, 6-7=-8	•)	Gable require	uate drainage to	ttom chor					6	N' OH F	ESSION N'S
BOT CHORD	2-10=-30/33, 9-10=-3 7-8=-34/35	, ,	11	10) Gable studs spaced at 4-0-0 oc. 11) * This truss has been designed for a live load of 20.0psf					the last				
WEBS 4-9=-356/141, 5-8=-307/123, 3-10=-137/86 on the bottom cl NOTES 3-06-00 tall by 2 1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows: any o Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc. 13) Provide mechan Bottom chords connected as follows: 2x4 - 1 row at 13) Provide mechan					n chord in all area			m			E		SEAL
					y other members int(s) 11, 7 consid PI 1 angle to gra uld verify capacit	s. ders paral ain formula ty of beari on (by oth	lel to grain va a. Building ng surface. ers) of truss to	lue			ITTUNE.	ER EN	SEAL 36322 GINEER.

February 26,2020

818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	V04	Valley	1	1	Job Reference (optional)	E14115641

1-10-2

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4-10-5

0-4-10

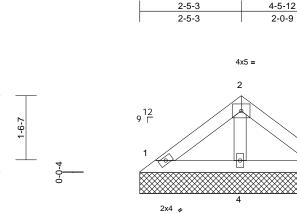
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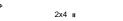
2x4 💊



NGINEERING

818 Soundside Road Edenton, NC 27932





4-10-5

Scale = 1:27.6

Leading (ast)											
Loading (psf) TCLL (roof) 20.0 Snow (Pf/Pg) 13.9/20.0 TCDL 10.0 BCLL 0.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2015/TF	T(B) W	SI C 0.07 SC 0.03 VB 0.02 Matrix-P	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 3	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20	GRIP 244/190
BCDL 10.0		-								Weight: 17 lb	FT = 20%
A-11-0 oc purlins. BOT CHORD Rigid ceiling direc bracing. REACTIONS (size) 1=4-10 Max Horiz 1=-30 (Max Uplift 1=-7 (L	neathing directly appli ly applied or 10-0-0 o 5, 3=4-10-5, 4=4-10-5 -C 11) C 13), 3=-10 (LC 14) C 2), 3=91 (LC 2), 4=	6) G 7) * - or c c c f f b f f f f f f f f f f f f f f	able studs spa This truss has a the bottom of 06-00 tall by 2 ord and any o ne RT7A USP uss to bearing his connection teral forces. his truss is des ternational Re	continuous bottom choi aced at 4-0-0 oc. been designed for a liv hord in all areas where 2-00-00 wide will fit betwo ther members. connectors recommer walls due to UPLIFT a is for uplift only and do signed in accordance we esidential Code sections referenced standard AN standard	re load of 20.0p a rectangle veen the bottor ided to connec t jt(s) 1, 3, and ves not conside ith the 2015 \$ R502.11.1 an	m t 4. er					
FORCES (lb) - Maximum Co	mpression/Maximum										
Tension TOP CHORD 1-2=-55/28, 2-3=- BOT CHORD 1-4=-6/23, 3-4=-5 WEBS 2-4=-93/35 NOTES 1) Unbalanced roof live loads ha this design. 2) Wind: ASCE 7-10; Vult=130m Vasd=103mph; TCDL=6.0psf; Cat. II; Exp B; Enclosed; MWF Exterior (2) zone; cantilever le vertical left and right exposed; forces & MWFRS for reactions DOL=1.60 plate grip DOL=1.3 3) Truss designed for wind loads only. For studs exposed to wi see Standard Industry Gable I or consult qualified building dé 4) TCLL: ASCE 7-10; Pr=20.0 ps DOL=1.15 Plate DOL=1.15); F	25 re been considered for bh (3-second gust) BCDL=6.0psf; h=25ft RS (envelope) and C t and right exposed ; C-C for members and shown; Lumber and in the plane of the tru d (normal to the face ind Details as applica signer as per ANSI/TI f (roof live load: Lumb	; -C end Jss), ble, Pl 1. er							Within	•	CAR SEAL 36322

Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	V08	Valley	1	1	Job Reference (optional)	E14115642

3-4-2

Run: 8.33 S Feb 13 2020 Print: 8.330 S Feb 13 2020 MiTek Industries, Inc. Wed Feb 26 11:26:16

Page: 1

ID:v2afoBExxbP?uJceELaz2zzhKaG-PvGP78_k0_EFvpvW6xZCGoBKBW3lfWEqOSSGxrzhHP5 8-10-5 4-5-3 8-5-12 0-4-10 4-5-3 4-0-9 4x5 = 2 3-0-7 9¹² 3 0-0-4 4 2x4 🍫 2x4 💊

2x4 🛛

8-10-5

- ·	
Scale =	: 1:32.6

Loading (psf) Spacing 2-0-0 CSI DEFL in (loc) l/defl L/d PLATES TCLL (roof) 20.0 Plate Grip DOL 1.15 TC 0.31 Vert(LL) n/a - n/a 999 MT20 Snow (Pf/Pg) 13.9/20.0 Lumber DOL 1.15 BC 0.12 Vert(TL) n/a - n/a 999 TCDL 10.0 Rep Stress Incr YES WB 0.05 Horiz(TL) 0.00 3 n/a n/a BCLL 0.0* Code IRC2015/TPI2014 Matrix-P Horiz(TL) 0.00 3 n/a n/a	GRIP 244/190 FT = 20%
TCLL (roof) 20.0 Plate Grip DOL 1.15 TC 0.31 Vert(LL) n/a - n/a 999 MT20 Snow (Pf/Pg) 13.9/20.0 Lumber DOL 1.15 BC 0.12 Vert(TL) n/a - n/a 999 MT20 TCDL 10.0 Rep Stress Incr YES WB 0.05 Horiz(TL) 0.00 3 n/a n/a	244/190
Snow (Pf/Pg) 13.9/20.0 Lumber DOL 1.15 BC 0.12 Vert(TL) n/a - n/a 999 TCDL 10.0 Rep Stress Incr YES WB 0.05 Horiz(TL) 0.00 3 n/a n/a	FT = 20%
TCDL 10.0 Rep Stress Incr YES WB 0.05 Horiz(TL) 0.00 3 n/a n/a	FT = 20%
	FT = 20%
	FT = 20%
BCDL 10.0 Weight: 32 lb	
LUMBER 5) Gable requires continuous bottom chord bearing.	
TOP CHORD 2x4 SP No.2 6) Gable studs spaced at 4-0-0 oc.	
BOT CHORD 2x4 SP No.2 7) * This truss has been designed for a live load of 20.0psf	
OTHERS 2x4 SP No.3 on the bottom chord in all areas where a rectangle	
BRACING 3-06-00 tall by 2-00-00 wide will fit between the bottom	
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. chord and any other members. 8) One RT7A USP connectors recommended to connect	
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. truss to bearing walls due to UPLIFT at jt(s) 1, 3, and 4. This connection is for uplift only and does not consider	
REACTIONS (size) 1=8-10-5, 3=8-10-5, 4=8-10-5 (size) 1=8-10-5, 4=8-10-5, 4=8-10-5 (size) 1=8-10-5, 4=8	
Max Horiz 1=-60 (LC 11) Max Horiz 1=-60 (LC 11)	
Max Uplift 1=-15 (LC 13), 3=-20 (LC 14) R802.10.2 and referenced standard ANSI/TPI 1.	
Max Grav 1=178 (LC 2), 3=180 (LC 2), 4=285 LOAD CASE(S) Standard	
(LC 2) FORCES (Ib) - Maximum Compression/Maximum	
Tension	
TOP CHORD 1.2=-110/53, 2-3=-106/54	
BOT CHORD 1.411/47, 3-410/48	
WEBS 2-4184/63	
NOTES	
this design.	
 Unbalanced root live loads have been considered for this design. Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDI =6 0nsf; BCDI =6 0nsf; b=25ft; 	CAD
Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft;	UARO
Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C	ESSID 117
Exterior (2) zone; cantilever left and right exposed ; end	
vertical left and right exposed;C-C for members and	
forces & MWFRS for reactions shown; Lumber	
DOL=1.60 plate grip DOL=1.33	SEAL :
3) Truss designed for wind loads in the plane of the truss	26200
only. For studs exposed to wind (normal to the face),	36322
see Standard Industry Gable End Details as applicable,	· · · · · · · · · · · · · · · · · · ·
or consult qualified building designer as per ANSI/TPI 1.	A
4) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber	SEAL 36322
 vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33 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) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15); Plate DOL=1.15); Category II; Exp B; Fully Exp.; 	SINE CAN
snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15	GILBUN
Plate DOL=1.15); Category II; Exp B; Fully Exp.;	
Februar	ry 26,2020

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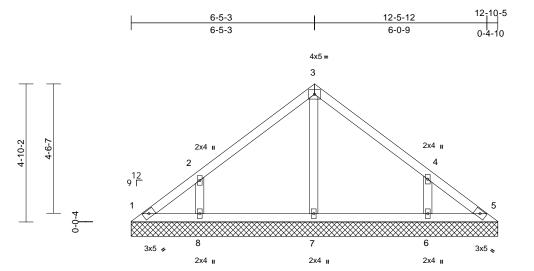
818 Soundside Road Edenton, NC 27932

NGINEERING

Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	V12	Valley	1	1	Job Reference (optional)	E14115643

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Page: 1



TCLL (roof)	(psf) Spacing											
TCLL (roof)		0 0 0				· · · · · ·						
TCDL BCLL	20.0Plate Grip DOL20.0Lumber DOL10.0Rep Stress Incr0.0*Code	2-0-0 1.15 1.15 YES IRC2015	5/TPI2014	CSI TC BC WB Matrix-SH	0.18 0.09 0.07	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 5	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20	GRIP 244/190
BCDL	10.0										Weight: 52 lb	FT = 20%
6-0-0 oc purl	od sheathing directly appli ns. directly applied or 10-0-0 c	ed or 5) 6)	DOL=1.15 Pl snow); Pf=13 Plate DOL=1 Ct=1.10 Gable require Gable studs * This truss h on the bottom	7-10; Pr=20.0 psf ate DOL=1.15); Pg 3.9 psf (flat roof sno .15); Category II; E es continuous botto spaced at 4-0-0 oc. has been designed n chord in all areas)=20.0 p ow: Lum Exp B; F om chor for a liv	osf (ground ber DOL=1.1 ully Exp.; d bearing. e load of 20.0 a rectangle	5 psf					
7= Max Horiz 1= Max Uplift 1= (Li Max Grav 1=	-19 (LC 9), 5=-1 (LC 10), 6 C 14), 8=-75 (LC 13) 80 (LC 25), 5=71 (LC 24), C 25), 7=255 (LC 2), 8=313	10-5 8) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1, 5, 7, 8, and 6. This connection is for uplift only and does not consider lateral forces. 71 (LC 24), 6=310 9) This truss is designed in accordance with the 2015										
FORCES (lb) - Maximu Tension	m Compression/Maximum	LO	AD CASE(S)									
	2-3=-128/93, 3-4=-123/94,											
5-6=-25/55	7-8=-26/54, 6-7=-25/55,										min	CAD
	2-8=-259/179, 4-6=-255/17	6									""ATH	CARO
 NOTES Unbalanced roof live load this design. Wind: ASCE 7-10; Vult=1 Vasd=103mph; TCDL=6. 										Cherry Cherry	The second	SEAL
() Wind: ASCE 7-10; Vulte=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33					• -							
 Truss designed for wind only. For studs exposed see Standard Industry Ga 	loads in the plane of the tri to wind (normal to the face ble End Details as applica ng designer as per ANSI/T), ble,									THIC A	GILBERT



Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	V16	Valley	1	1	Job Reference (optional)	E14115644

Loading

TCDL

BCLL

BCDL

LUMBER

OTHERS

BRACING

FORCES

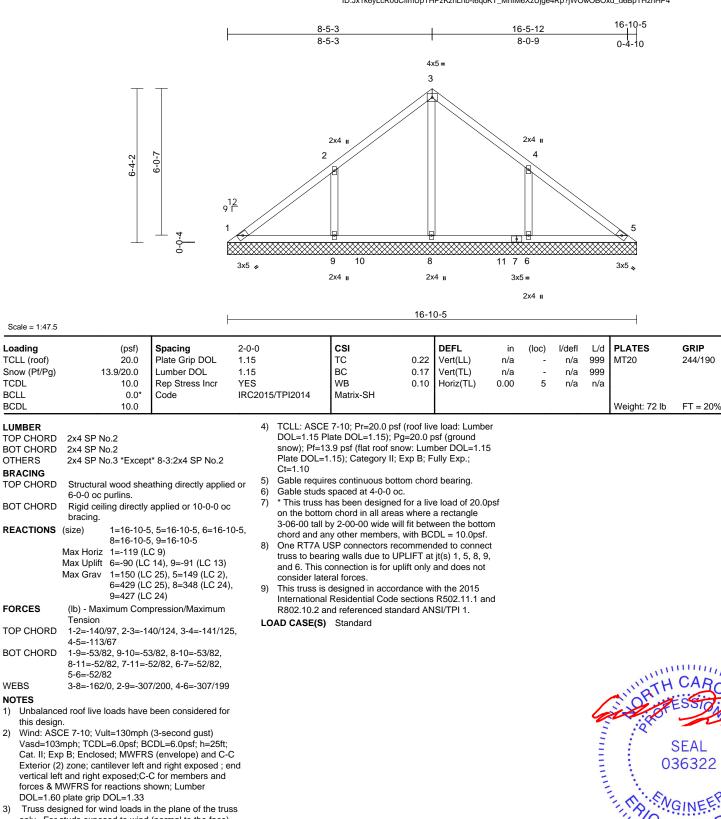
WFBS

NOTES

1)

Run: 8 33 S. Feb 13 2020 Print: 8 330 S Feb 13 2020 MiTek Industries. Inc. Wed Feb 26 11:26:17 ID:Jx1k6yLcR0uCflmUpTHPzKzhLnb-t6qoKT_MnIM6XzUjge4Rp?jWOwOBOxd_d6BpTHzhHP4

Page: 1



2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed:C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33

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.

GI minum February 26,2020

🔺 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 being real of the set only water the building designer must verify the subject of building designer much 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 **ANS/TP11 Quality Criteria, DSB-89 and BCSI Building Component** fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Qua Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



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Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	V20	Valley	1	1	Job Reference (optional)	E14115645

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Carter Components (Sanford), Sanford, NC - 27332.

BCLL

BCDL

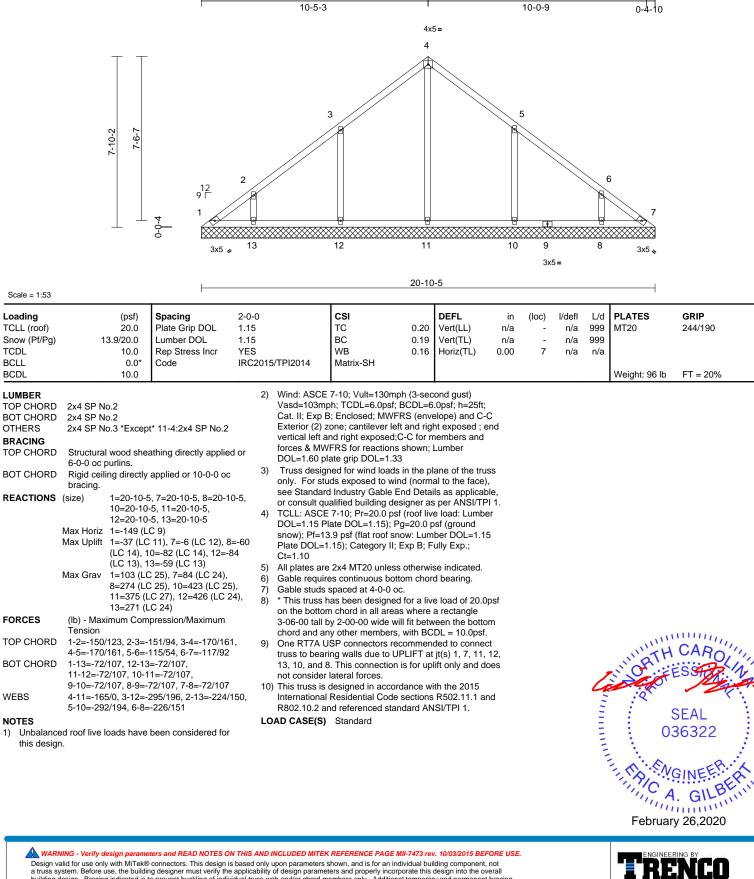
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818 Soundside Road Edenton, NC 27932



being read to devolve with the evolution of the boots in the design is based only door 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/TP11 Quality Criteria, DSB-89 and BCSI Building Component** fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Qua Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	V24	Valley	1	1	Job Reference (optional)	E14115646

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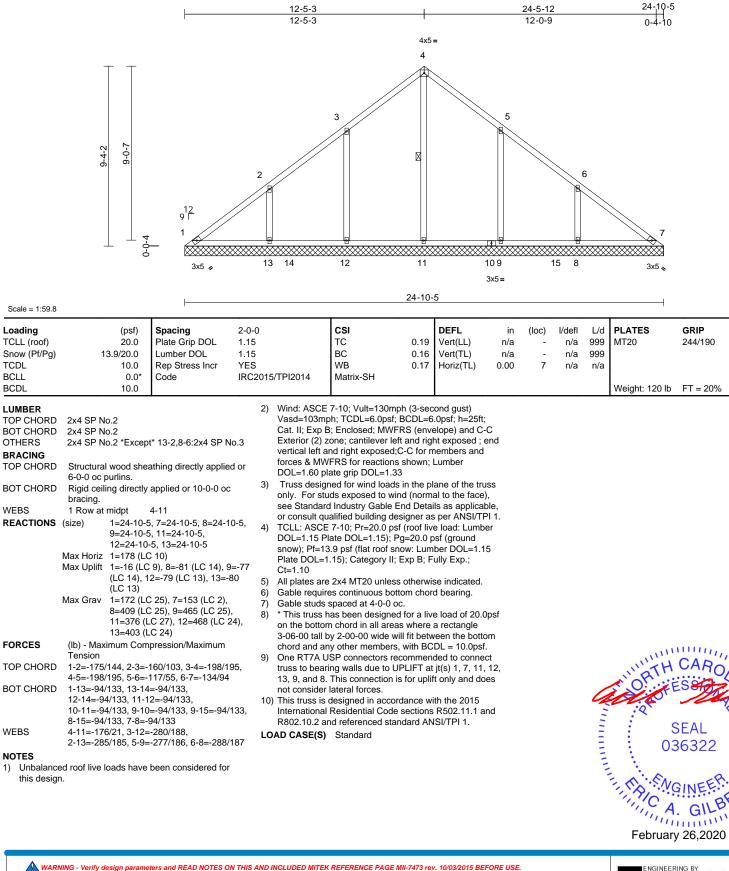
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Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	V28	Valley	1	1	Job Reference (optional)	E14115647

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Carter Components (Sanford), Sanford, NC - 27332,

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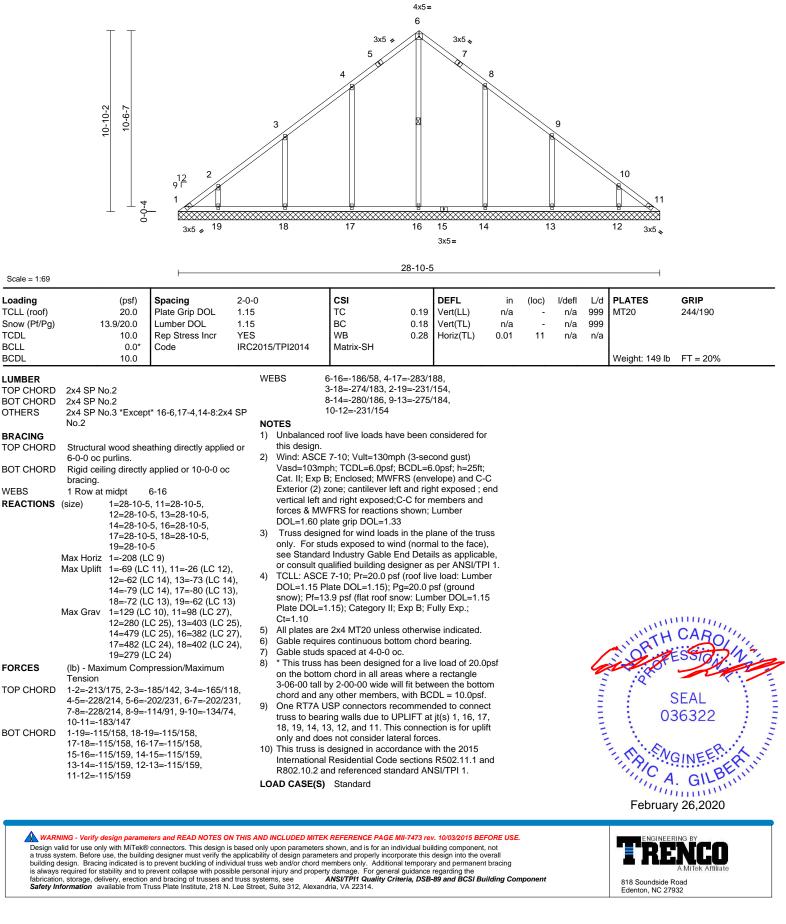
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Job	Truss	Truss Type	Qty	Ply	MIKE SHEAN / FRANK RESIDENCE	
20010112	V32	Valley	1	1	Job Reference (optional)	E14115648

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