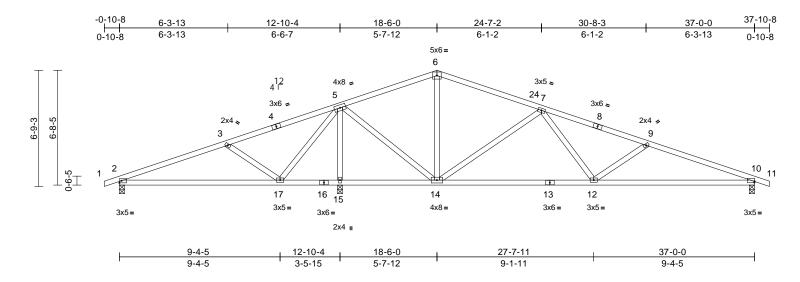
Job	Truss	Truss Type	Qty	Ply	19 Sweetwater-Roof	
20020068-A	T1	Common	9	1	Job Reference (optional)	E14200250

Run: 8.33 S Mar 10 2020 Print: 8.330 S Mar 10 2020 MiTek Industries, Inc. Wed Mar 18 12:39:37 ID:PrYU4ZbdzvH04CzCfS7wTozaNPb-W4rgJdl5hR1V0U_qR1Z5WN2zGbo_xaGlqj22PTzZi2d



Scale = 1:67.1

Plate Offsets (X, Y): [10:Edge,0-0-13]

		-	-											
Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl		PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15		TC		Vert(LL)		12-14	>999		MT20	244/190	
Snow (Pf/Pg)	13.9/20.0	Lumber DOL	1.15		BC	0.67	Vert(CT)	-0.19	17-20	>794	180			
TCDL	10.0	Rep Stress Incr	YES		WB	0.85	Horz(CT)	0.03	10	n/a	n/a			
BCLL	0.0*	Code	IRC201	5/TPI2014	Matrix-MSH									
BCDL	10.0											Weight: 179 lb	FT = 20%	
LUMBER			2)	Wind: ASCE	7-10; Vult=130mr	oh (3-seo	cond aust)							
TOP CHORD	2x4 SP No.2		,		ph; TCDL=6.0psf;									
BOT CHORD				Cat. II; Exp I	B; Enclosed; MWF	RS (env	elope) and C	-C						
WEBS	2x4 SP No.2 *Excep	t* 9-12,3-17,5-15:2x4	SP	Exterior (2) z	one; cantilever lef	t and rig	ht exposed ;	end						
	No.3	, ,			nd right exposed;									
BRACING					/FRS for reactions		Lumber							
TOP CHORD	Structural wood she	athing directly applied	or		late grip DOL=1.33									
	4-1-6 oc purlins.	5 ,	3)		7-10; Pr=20.0 ps			er						
BOT CHORD	Rigid ceiling directly	applied or 6-0-0 oc			late DOL=1.15); P			-						
	bracing.				3.9 psf (flat roof sn			5						
REACTIONS	(size) 2=0-3-8, 1	10=0-3-8, 15=0-3-8		Ct=1.10	.15); Category II;	EXP B; F	ully Exp.;							
	Max Horiz 2=64 (LC	15)	4)		snow loads have l		aidarad for th	nio						
	Max Uplift 2=-22 (LC		4)	design.	snow loads have i	been co	isidered for tr	115						
	15=-32 (L	C 11)	5)	0	as been designed f	or groat	or of min roof	livo						
	Max Grav 2=419 (LC	C 33), 10=891 (LC 2),	5)		psf or 2.00 times f									
	15=1846	(LC 2)			on-concurrent with			51 011						
FORCES	(lb) - Maximum Com	pression/Maximum	6)	0	has been designed			Opsf						
	Tension		- /		n chord in all area									
TOP CHORD	1-2=0/21, 2-3=-438/	183, 3-4=-129/306,		3-06-00 tall I	by 2-00-00 wide wi	ill fit betv	veen the botto	om						
	,	390/143, 6-24=-410/1	40,	chord and a	y other members.									
	7-24=-418/117, 7-8=		7)	One RT7A L	ISP connectors re	commer	ded to conne	ct				UN RTH	1111111	
	,)=-1779/425, 10-11=0	/21		ing walls due to U			nd				111-14	CARO	1.
BOT CHORD	2-17=-144/385, 16-1				nection is for uplift	only an	d does not					N' Q'		11
	15-16=-635/307, 14-			consider late							/	SOM	SSID	17.
	13-14=-126/1005, 12	2-13=-126/1005,	8)		designed in accor						4	Nº D	- Ai	
WEBS	10-12=-334/1633	057/000 7 40 05/5	45		Residential Code			ind			-	:0	- Maria	/
WEDS	9-12=-409/237, 3-17	-857/298, 7-12=-25/5			nd referenced star	ndard Ar	ISI/TPI1.				-			1
	5-17=-82/595, 5-15=		L	DAD CASE(S)	Standard						-		SEAL	1
	5-14=-241/1213	- 1007/434,										0	36322	
NOTES	5 17= 271/1210										-		0022	÷
NOTES														

 Unbalanced roof live loads have been considered for this design.



A. GILB March 18,2020

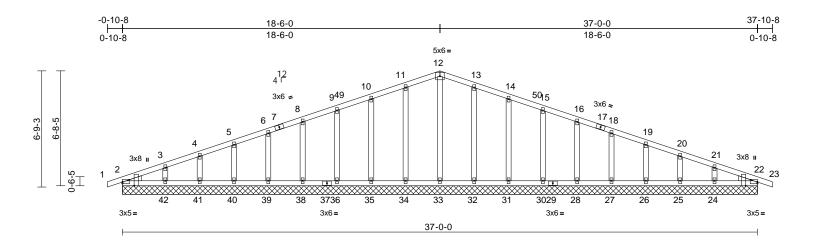
Page: 1

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	19 Sweetwater-Roof	
20020068-A	T1GE	Common Supported Gable	1	1	Job Reference (optional)	E14200251

Run: 8.33 S Mar 10 2020 Print: 8.330 S Mar 10 2020 MiTek Industries, Inc. Wed Mar 18 12:39:40 ID:MDgFVFduVWXjJW7antAOYDzaNPZ-LEDxahpsHHoekPS_olgVleI7u0?CLTedCfVMc7zZi2X

Page: 1



Scale = 1:67.1

Plate Offsets ((X, Y): [2:Edge,0-1-1]	, [2:0-2-10,Edge], [22	::Edge,0-1-1], [22:0-2-	10,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 IRC2015/TPI2014	BC 0.04	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 22	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 202 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS WEDGE BRACING TOP CHORD BOT CHORD REACTIONS	SP No.2 Left: 2x4 SP No.3 Right: 2x4 SP No.3 Structural wood she 6-0-0 oc purlins. Rigid ceiling directly bracing. (size) 2=37-0- 28=37-0- 32=37-0- 35=37-0- 35=37-0- 42=37-0- 42=37-0- Max Horiz 2=64 (LC Max Uplift 2=-4 (LC 24=-20 (L 24=-21 (L 24=-21 (L 31=-12 (L 34=-12 (L 34=-12 (L 39=-12 (L))))	,, , ,	d or FORCES -0, 0-0	4-5=-49/44, 5-6=-41/56, 6-7 7-8=-28/76, 8-9=-45/106, 9 10-49=-49/136, 10-11=-66/ 11-12=-77/196, 12-13=-77/ 13-14=-66/167, 14-50=-49/ 15-50=-55/129, 15-16=-45/ 16-17=-28/76, 17-18=-34/7 19-20=-28/17, 20-21=-36/1 22-23=0/21	25=151 (LC 2) 27=159 (LC 2) 27=160 (LC 3) 32=192 (LC 2) 36=160 (LC 3) 9=159 (LC 2), 41=151 (LC 2) 41=151 (LC 2) 41=151 (LC 2) 43=150 (LC 2), 41=151 (LC 2),	this 2) Win Vas Cat. Exte verti forc DOI 3) Tru only see or c 4) TCL DOI 3) TrU DOI 5) Unb desi	alanced design. d: ASCE d=103m II; Exp erior (2) ical left : es & MV _=1.60 p ss desig r. For st Standar onsult q L: ASCE _=1.15 F w); Pf=1 e DOL= 1.10 alanced ign.	E 7-10; ph; TC B; Enc zone; and rig WFRS blate g gned fe truds ey dulifier E 7-10 7-late D 3.9 ps 1.15); d snow	; Vult=130mph (; CDL=6.0psf; BCI closed; MWFRS cantilever left ar pht exposed;C-C for reactions shh rip DOL=1.33 or wind loads in 1 cposed to wind (i ustry Gable End d building desigr ; Pr=20.0 psf (rc ODL=1.15); Pg=2 f (flat roof snow: Category II; Exp loads have bee	DL=6.0psf; h=25ft; (envelope) and C-C dright exposed; end for members and own; Lumber the plane of the truss normal to the face), Details as applicable, her as per ANSI/TPI 1. oof live load: Lumber 0.0. psf (ground Lumber DOL=1.15

March 18,2020

SINEEDIN

818 Soundside Road Edenton, NC 27932

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	19 Sweetwater-Roof		
20020068-A	T1GE	Common Supported Gable	1	1	Job Reference (optional)	E14200251	

- 6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads.
- 7) All plates are 2x4 MT20 unless otherwise indicated.
- 8) Gable requires continuous bottom chord bearing.

9) Gable studs spaced at 2-0-0 oc.

- 10) * 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 truss to bearing walls due to UPLIFT at jt(s) 22, 34, 35, 36, 38, 39, 40, 41, 42, 32, 31, 30, 28, 27, 26, 25, 24, and 2. 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.

LOAD CASE(S) Standard

Run: 8.33 S Mar 10 2020 Print: 8.330 S Mar 10 2020 MiTek Industries, Inc. Wed Mar 18 12:39:40 ID:MDgFVFduVWXjJW7antAOYDzaNPZ-LEDxahpsHHoekPS_olgVlel7u0?CLTedCfVMc7zZi2X 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 sand 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.

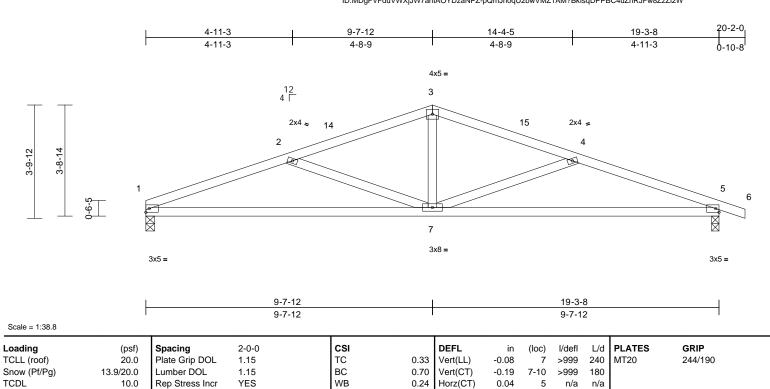


Job	Truss	uss Truss Type Qty		Ply	19 Sweetwater-Roof		
20020068-A	T2	Common	2	1	Job Reference (optional)	E14200252	

3-9-12

TCDL

Run: 8.33 S Mar 10 2020 Print: 8.330 S Mar 10 2020 MiTek Industries, Inc. Wed Mar 18 12:39:41 ID:MDgFVFduVWXjJW7antAOYDzaNPZ-pQmJn0qU2bwVMZ1AM?BklsqDPPBC4uZnRJFw8ZzZi2W



BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MSH		, iiiu iiiu		FT 000/
BCDL	10.0						Weight: 80 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.3 Structural wood shea 4-4-1 oc purlins. Rigid ceiling directly bracing.	applied or 9-5-9 oc 5=0-3-0 : 16) 11), 5=-34 (LC 12)	load of 12.0 overhangs 6) * This truss on the botto 3-06-00 tall chord and a 7) One RT7A truss to bea This conne- lateral force 8) This truss is International	has been designed for greate of psf or 2.00 times flat roof lo non-concurrent with other lik has been designed for a liv om chord in all areas where by 2-00-00 wide will fit betw any other members. USP connectors recommen- aring walls due to UPLIFT at ction is for uplift only and do as. s designed in accordance wi al Residential Code sections and referenced standard AN	oad of 13.9 psf on /e loads. e load of 20.0psf a rectangle /een the bottom ded to connect jt(s) 1 and 5. es not consider ith the 2015 .R502.11.1 and			
FORCES	(lb) - Maximum Com Tension	pression/Maximum	LOAD CASE(S					
TOP CHORD	1-2=-1657/451, 2-14 3-14=-1199/294, 3-1 4-15=-1246/282, 4-5	5=-1199/293, =-1650/448, 5-6=0/2	21					
WEBS	3-7=-25/462, 2-7=-4		2					
NOTES								
this design 2) Wind: ASG Vasd=103 Cat. II; Ex Exterior (2 vertical lef forces & N DOL=1.6C 3) TCLL: AS DOL=1.15	ed roof live loads have n. CE 7-10; Vult=130mph 3mph; TCDL=6.0psf; BG p B; Enclosed; MWFR3 2) zone; cantilever left a ft and right exposed;C-1 MWFRS for reactions sl 0 plate grip DOL=1.33 CE 7-10; Pr=20.0 psf (5 Plate DOL=1.15); Pg= =13.9 psf (flat roof snov	(3-second gust) CDL=6.0psf; h=25ft; S (envelope) and C-f and right exposed ; e C for members and hown; Lumber roof live load: Lumbe =20.0 psf (ground	C and ar			William	UNDRA H	CAROL SEAL 36322

Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10

4) Unbalanced snow loads have been considered for this design.

C A. GI A. GILLIN March 18,2020

Page: 1



Job	Truss Type		Qty	Ply	19 Sweetwater-Roof	
20020068-A	T2GE	Common Supported Gable	1	1	Job Reference (optional)	E14200253

9-7-12

9-7-12

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

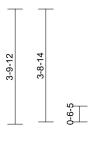
Run: 8.33 S Mar 10 2020 Print: 8.330 S Mar 10 2020 MiTek Industries, Inc. Wed Mar 18 12:39:41 ID:qQEdibdWGqfaxghnLbhd5RzaNPY-pQmJn0qU2bwVMZ1AM?BklsqHuPJ?4xgnRJFw8ZzZi2W

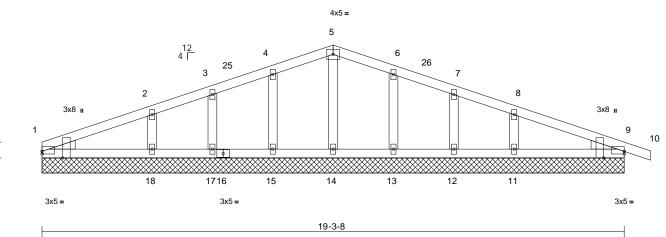
> 19-3-8 9-7-12

Page: 1

20-2-0

b-10-8





Scale = 1:38.2

Plate Offsets (X, Y): [1:Edge,0-1-1], [1:0-2-10,Edge], [9:Edge,0-1-1], [9:0-2-10,Edge]

	∧, 1). [1.Euge,0-1-1],	[1.0-2-10,Euge], [9.E	uge,0-1-1], [9.0-2-10,E0	ige]							-	
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/T	PI2014	CSI TC BC WB Matrix-MSH	0.11 0.13 0.04	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 1	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 84 lb	GRIP 244/190 FT = 20%
	6-0-0 oc purlins. Rigid ceiling directly bracing. (size) 1=19-3-8, 12=19-3-8 15=19-3-8 19=19-3-8 Max Horiz 1=-38 (LC Max Uplift 9=-27 (LC 15=-15 (LI 18=-26 (LI Max Grav 1=140 (LC 11=278 (L 13=181 (L 15=182 (L 18=289 (L 22=201 (L	9=19-3-8, 11=19-3-8 3, 13=19-3-8, 14=19-3 3, 17=19-3-8, 18=19-3 3, 22=19-3-8 16), 19=-38 (LC 16), 12), 11=-23 (LC 16), 12), 13=-15 (LC 11), C 15), 17=-6 (LC 11), C 15), 22=-27 (LC 12 C 2), 9=201 (LC 2), C 34), 12=113 (LC 2), C 34), 12=113 (LC 2), C 33), 17=108 (LC 2), C 33), 17=140 (LC 2), C 2),), 6), 7, 60, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7,	ES Inbalanced his design. Vind: ASCE asd=103mp at. II; Exp E xterior (2) z ertical left a prces & MW IOL=1.60 pl Truss design nly. For stu ee Standarc r consult qu CLL: ASCE IOL=1.15 Pl IoL=1.15 Pl Iate DOL=1 it=1.10 Inbalanced esign. his truss ha pad of 12.0 pl	5-14=-74/0, 4-15= 2-18=-189/98, 6-1: 3-11=-183/96 roof live loads have 7-10; Vult=130mg b; TCDL=6.0psf; 3; Enclosed; MWF one; cantilever lef rFRS for reactions ate grip DOL=1.3; hed for wind loads ds exposed to wind 1 ndustry Gable E alified building de 7-10; Pr=20.0 ps ate DOL=1.15; P 9.9 psf (flat roof sr .15); Category II; snow loads have l s been designed 1 s been designed 1 of on-concurrent witt	3=-135/7 ve been of bh (3-see BCDL=6 RS (env ft and rig C-C for r shown; a in the p nd (norm ind Deta signer as f(rcof liv g=20.0 p iow: Lum Exp B; F been cor for great lat roof lo	r5, 7-12=-95/6 considered for cond gust) i.0psf; h=25ft; elope) and C-0 ht exposed ; e nembers and Lumber lane of the true al to the face) ils as applicab s per ANSI/TP e load: Lumber posf (ground ber DOL=1.1f; ully Exp.; nsidered for th er of min roof 1 pad of 13.9 ps	3, C end ss , le, 11. or 5 is live	trus: 13, doe: 12) This Inte	s to bea 12, 11, a s not co truss is rnationa 2.10.2 a	and 9. Insider a desig and ref) Star	alls due to UPLIF This connection lateral forces. ned in accordand dential Code sec erenced standar ndard	CARO
FORCES	(lb) - Maximum Com Tension 1-2=-88/25, 2-3=-78/ 4-25=-57/84, 4-5=-79 6-26=-56/84, 7-26=-0 8-9=-63/19, 9-10=0/2	/57, 3-25=-69/79, 5/115, 5-6=-75/115, 69/80, 7-8=-77/57, 21	7) A 8) G 9) G 10) *	Il plates are bable require bable studs This truss h n the botton	2x4 MT20 unless es continuous bot spaced at 2-0-0 o nas been designed n chord in all area	s otherwi tom chor c. d for a liv s where	se indicated. d bearing. e load of 20.0 a rectangle				THE DESIGNATION OF THE PARTY OF		SEAL 36322 GINEER
BOT CHORD	1-18=-10/78, 17-18= 15-16=0/55, 14-15=(12-13=0/55, 11-12=(0/55, 13-14=0/55,			y 2-00-00 wide w y other members		veen the botto	m			3	(11)	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.

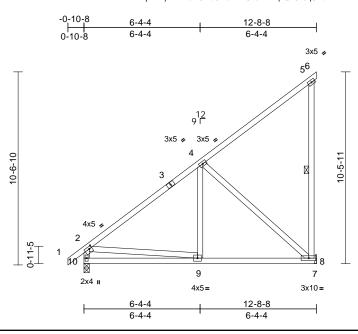


March 18,2020

Job	Truss	Truss Type	Qty	Ply	19 Sweetwater-Roof		
20020068-A	Т3	Monopitch	4	1	Job Reference (optional)	E14200254	

Run: 8.33 S Mar 10 2020 Print: 8.330 S Mar 10 2020 MiTek Industries, Inc. Wed Mar 18 12:39:41 ID:EjNKmpTkZWuZGWd5WeRLXUzaNPm-pQmJn0qU2bwVMZ1AM?BkIsq8NPHR4oxnRJFw8ZzZi2W

Page: 1



Scale = 1:63

Plate Offsets (X, Y): [2:0-1-12,0-1-8]

		-										-	
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/TP		CSI TC BC WB Matrix-MSH	0.30	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.05 -0.08 0.01	(loc) 8-9 8-9 8	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 88 lb	GRIP 244/190 FT = 20%
FORCES TOP CHORD BOT CHORD WEBS NOTES 1) Wind: ASC Vasd=103 Cat. II; Ex Exterior (2 vertical lef forces & M DOL=1.60 2) TCLL: ASI DOL=1.15 snow); Pf=	2x4 SP No.2 2x4 SP No.2 *Excep Structural wood she 6-0-0 oc purlins, exi Rigid ceiling directly bracing. 1 Row at midpt (size) 8= Mecha Max Horiz 10=316 (L Max Uplift 8=-91 (LC Max Grav 8=551 (LC (lb) - Maximum Com Tension	athing directly applie cept end verticals. applied or 7-1-11 oc 5-8 	d or d or 5) Re 6) Pr be 8. 7) Th Int Re LOAD	ad of 12.0 ps verhangs nor This truss ha n the bottom 06-00 tall by hord and any efer to girder rovide mecha earing plate of his truss is di atternational F	been designed for sf or 2.00 times fla n-concurrent with is been designed chord in all areas v 2-00-00 wide will v other members. r(s) for truss to tru anical connection capable of withsta esigned in accord Residential Code s d referenced stand Standard	at roof k other liv for a liv s where I fit betw uss conr (by oth- anding 9 lance w sections	bad of 13.9 p re loads. e load of 20.1 a rectangle veen the bott ections. ers) of truss i 1 lb uplift at j th the 2015 R502.11.1 a	sf on Opsf om to joint			Contraction of the second s	UNATH ORTH	CARO SEAL 36322

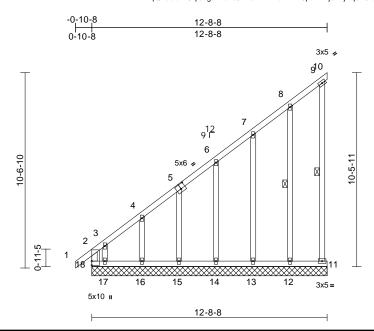
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 **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.



A. GI minimum) March 18,2020

Job	Truss	Truss Type	Qty	Ply	19 Sweetwater-Roof	
20020068-A	T3GE	Monopitch Supported Gable	1	1	Job Reference (optional)	E14200255

Run: 8.33 S Mar 10 2020 Print: 8.330 S Mar 10 2020 MiTek Industries, Inc. Wed Mar 18 12:39:42 ID:qQEdibdWGqfaxghnLbhd5RzaNPY-HcKi?Mr6pu2MzjbNvjizq3NJPpccpMlwgz_Th?zZi2V Page: 1



Scale = 1:62.2

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

Loading TCLL (roof) Snow (Pf/Pg)	(psf) 20.0 13.9/20.0	Spacing Plate Grip DOL Lumber DOL	2-0-0 1.15 1.15		CSI TC BC	0.70 0.30	DEFL Vert(LL) Vert(CT)	in n/a n/a	(loc) - -	l/defl n/a n/a		PLATES MT20	GRIP 244/190
TCDL	10.0	Rep Stress Incr	YES		WB	0.14	Horz(CT)	-0.02	10	n/a	n/a		
BCLL	0.0*	Code	IRC201	5/TPI2014	Matrix-MR								
BCDL	10.0											Weight: 101 lb	FT = 20%
LUMBER TOP CHORD	2x4 SP No.2		W	6	3-12=-216/163, 7-1 6-14=-139/97, 5-15 3-17=-363/384			/99,	์ trus	s to bea	ring wa	alls due to UPLIF	nended to connect T at jt(s) 18, 10, 11, nection is for uplift
BOT CHORD WEBS	2x4 SP No.2	pt* 9-11:2x4 SP No.2			5-17=-303/304							consider lateral f	
OTHERS		pt* 15-5,16-4,17-3:2x4			7-10; Vult=130mph h; TCDL=6.0psf; B				12) This Inter	s truss is rnationa	s desig Il Resid	ned in accordanc dential Code sect	e with the 2015 ions R502.11.1 and
BRACING					; Enclosed; MWFR							erenced standard	ANSI/TPI 1.
TOP CHORD	6-0-0 oc purlins, e		or	vertical left a	one; cantilever left nd right exposed;C	-C for m	embers and	end	LOAD C	ASE(S)) Sta	ndard	
BOT CHORD	bracing.	y applied or 6-0-0 oc		DOL=1.60 pl	FRS for reactions s ate grip DOL=1.33								
WEBS	1 Row at midpt	9-11, 8-12	2)		ned for wind loads in Ids exposed to wind								
	13=12-8 16=12-8 Max Horiz 18=317 Max Uplift 10=-101 12=-49 (14=-37 ((LC 9), 11=-225 (LC 12 LC 13), 13=-32 (LC 13) LC 13), 15=-37 (LC 13) LC 13), 15=-37 (LC 13) LC 13), 17=-359 (LC 10	-8, -8 3) 2),),	see Standard or consult qu TCLL: ASCE DOL=1.15 Pl snow); Pf=13 Plate DOL=1 Ct=1.10 This truss ha	I Industry Gable Er alified building desi 7-10; Pr=20.0 psf ate DOL=1.15); Pg 0.9 psf (flat roof sno .15); Category II; E s been designed fo psf or 2.00 times flat	id Detai igner as (roof live =20.0 p w: Lum xp B; Fi or greate	Is as applicab per ANSI/TF e load: Lumbo sf (ground ber DOL=1.1 ully Exp.; er of min roof	ble, PI 1. er 5 live					111111
	12=165 14=166	(LC 12), 11=200 (LC 9) (LC 25), 13=171 (LC 25 (LC 25), 15=168 (LC 25 (LC 25), 17=291 (LC 11 (LC 10)	5), 5), 5), 5)	overhangs no All plates are Gable require Truss to be f	on-concurrent with 2x4 MT20 unless es continuous botto ully sheathed from	other liv otherwis m chore one face	e loads. e indicated. d bearing. e or securely				6	THUN ATH	CARO
FORCES	(lb) - Maximum Co Tension	npression/Maximum	8)	Gable studs	st lateral movemer spaced at 2-0-0 oc.		o ,				11		
TOP CHORD	2-18=-638/523, 1-2 3-4=-535/488, 4-5=	=0/46, 2-3=-769/682, -462/427, 5-6=-391/369 -254/259, 8-9=-142/15 1=-225/187	1,	on the botton 3-06-00 tall b chord and an	as been designed in chord in all areas by 2-00-00 wide will by other members.	where a fit betw	a rectangle een the botto	m			CHILDEN.	•	SEAL 36322
BOT CHORD	17-18=-160/175, 10 15-16=-160/175, 14 13-14=-159/174, 12 11-12=-159/174	1-15=-159/174,	10	using ANSI/T	int(s) 10 considers PI 1 angle to grain uld verify capacity o	formula	. Building	÷			S	AND	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 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.

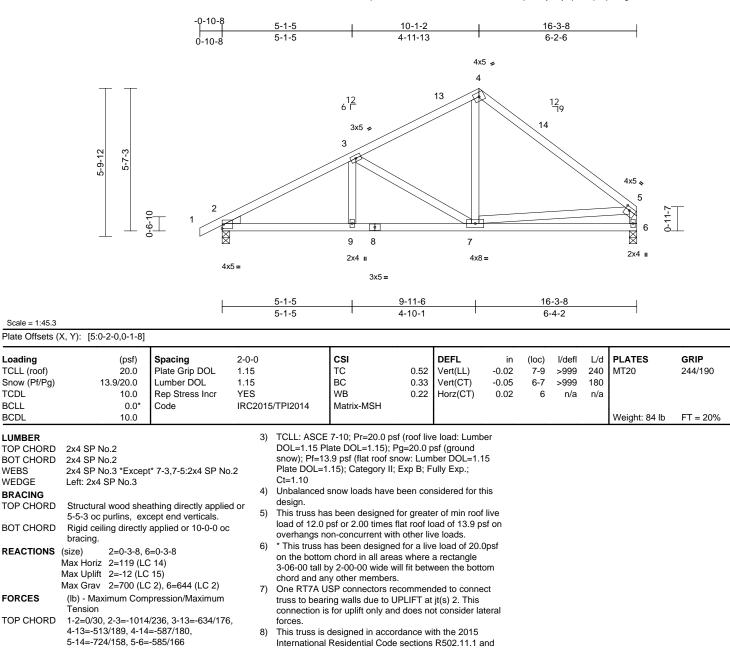


March 18,2020

Job	Truss	Truss Type	Qty	Ply	19 Sweetwater-Roof	
20020068-A	Τ4	Roof Special	4	1	Job Reference (optional)	E14200256

Run: 8 33 S. Mar 10 2020 Print: 8 330 S.Mar 10 2020 MiTek Industries. Inc. Wed Mar 18 12:39:42 ID:bhBDpWWtO3XsMHV2JC0WEYzaNPh-HcKi?Mr6pu2MzjbNvjizq3NLCpb7pL0wgz_Th?zZi2V

Page: 1



R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

BOT CHORD 2-9=-210/845, 8-9=-210/845, 7-8=-210/845, 6-7=-98/240 WEBS 3-9=0/84, 3-7=-417/179, 4-7=-24/305, 5-7=-15/293

NOTES

Loading

TCDL

BCLL

BCDL

WEBS

WEDGE

BRACING

FORCES

LUMBER

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

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; 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



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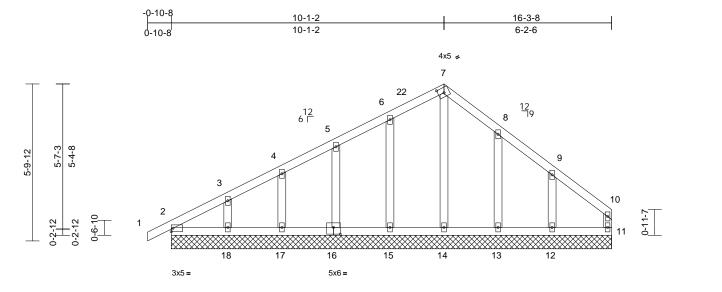
Job	Truss	Truss Type	Qty	Ply	19 Sweetwater-Roof	
20020068-A	T4GE	Roof Special Supported Gable	1	1	Job Reference (optional)	E14200257

Run: 8.33 S Mar 10 2020 Print: 8.330 S Mar 10 2020 MiTek Industries, Inc. Wed Mar 18 12:39:43 ID:3tlb1sXV9Mfj_R4EtvYImIzaNPg-HcKi?Mr6pu2MzjbNvjizq3NSLpgwpOawgz_Th?zZi2V

Page: 1

SINFERING

818 Soundside Road Edenton, NC 27932



16-3-8

Plate Offsets (X, Y): [7:0-2-10,0-2-4], [16:0-3-0,0-3-0]

Scale = 1:42.6

	7, 1). [7.0-2-10,0-2-4	j, [10.0-3-0,0-3-0]											
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 IRC2015	5/TPI2014	CSI TC BC WB Matrix-MSH	0.07 0.03 0.06	- ()	in n/a n/a 0.00	(loc) - - 11	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 86 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 2x4 SP No.3 Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing. (size) 2=16-3-8 13=16-3-1 19=16-3-1 19=16-3-3 Max Horiz 2=119 (Lt	applied or 10-0-0 oc , 11=16-3-8, 12=16-3- 3, 14=16-3-8, 15=16-3- 3, 17=16-3-8, 18=16-3- 3 C 14), 19=119 (LC 14	2) d or 3) -8, 3-8, 3-8, 4)	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 Standard or consult qu TCLL: ASCE DOL=1.15 Pl	I roof live loads have 7-10; Vult=130mp bh; TCDL=6.0psf; E s; Enclosed; MWFF and right exposed;C FRS for reactions ate grip DOL=1.33 need for wind loads ds exposed to win d Industry Gable En alified building des 7-10; Pr=20.0 psf ate DOL=1.15); Pg .9 psf (flat roof sno	h (3-sec BCDL=6 RS (envi and rig C-C for n shown; in the pl d (norm nd Detai signer as (roof liv g=20.0 p	cond gust) .0psf; h=25ft; elope) and C-C ht exposed ; el nembers and Lumber ane of the trus al to the face), ils as applicab s per ANSI/TPI e load: Lumbe ssf (ground	nd ss le, l 1. r	Ínte	rnationa 2.10.2 a	I Resid	ned in accordance lential Code secte erenced standard	e with the 2015 ions R502.11.1 and
FORCES	16=-21 (L 18=-31 (L Max Grav 2=146 (L 12=191 (I 14=139 (I 16=161 (I	C 16), 15=-18 (LC 15 C 15), 17=-17 (LC 15 C 15), 19=-18 (LC 11 C 30), 11=86 (LC 2), C 30), 13=169 (LC 3 C 32), 15=170 (LC 3 LC 2), 17=157 (LC 2), C 33), 19=146 (LC 3	5), 5), 5) (0), 6) (3), 7) (0) 7) 8)	Plate DOL=1 Ct=1.10 Unbalanced design. This truss ha load of 12.0 overhangs no All plates are Gable require	.15); Category II; E snow loads have b s been designed fo osf or 2.00 times fil on-concurrent with 2x4 MT20 unless es continuous botto	Exp B; F been cor or greate at roof lo other liv otherwis om chor	ully Exp.; nsidered for thi er of min roof li pad of 13.9 psf ve loads. se indicated.	s ive				UNITH SEE	CARO
TOP CHORD	Tension 1-2=0/30, 2-3=-111/ 4-5=-114/68, 5-6=-1	50, 3-4=-100/51, 35/111, 6-22=-150/15 154/171, 8-9=-97/10	52, 04,) * This truss h on the bottor 3-06-00 tall b chord and ar	spaced at 2-0-0 oc las been designed n chord in all areas by 2-00-00 wide wil by other members.	for a liv where I fit betw	a rectangle veen the bottor	m			Contraction of the second		SEAL 36322
BOT CHORD	2-18=-90/40, 17-18=	=-29/36, 16-17=-29/36 5=-27/34, 13-14=-27/3	5, '	truss to bear 18, 13, and 1	SP connectors rec ing walls due to UF 2. This connection sider lateral forces	PLIFT at	jt(s) 2, 15, 17,				1111		R A
WEBS		=-129/83, 5-16=-121/8 =-123/93, 8-13=-136/8		One RT16A truss to bear connection is	USP connectors re ing walls due to UF for uplift only and	comme PLIFT at	jt(s) 16. This					A A A	GILBERT
NOTES				forces.								Marcl	n 18,2020

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.

Job	Truss	Truss Type	Qty	Ply	19 Sweetwater-Roof	
20020068-A	Т5	Common	9	1	Job Reference (optional)	E14200258

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

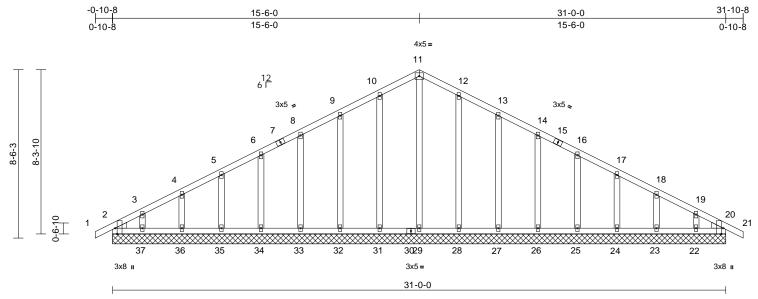
Run: 8.33 S Mar 10 2020 Print: 8.330 S Mar 10 2020 MiTek Industries, Inc. Wed Mar 18 12:39:43 ID:X4I_ECY7vgnabbfRQc3_JzzaNPf-lpu4CiskZCADbtAZTQDCNHwQiDqzYnq3udk0DRzZi2U

Page: 1

	-0-1(7 5 1		<u>15-6-0</u> 7-8-4	4x6=	23-2-4 7-8-4		<u>31-0-0</u> 7-9-12	31-10-8 0-10-8
	2 2 2 2 2 2 2 2 2 2 2 3 6-3 3 -10 2 2 2 2 2 2 2 3 2 -10 2 2 2 2 2 2 2 2 2 2 3 2 -10 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	5x6=	6 ¹² 3x5 = 3 4 18 2x4 y	25 16 3132 17 2728 3x5 = MT 2x4 =	5	26 13 11 2x4= 3x5=		0 10 10 10	8 9 5x6=
Scale = 1:65.4		6-3-5 6-3-5	<u> </u>	11-3-5 11-2-4 15-1-0 0-5-2 3-9-11 0-1-1	15-6-0 <u>19-8-1</u> 0-5-0 4-2-11		24-8-11 4-5-13	<u>31-0-0</u> 6-3-5	
Plate Offsets ((X, Y): [2:Edge,0-1-1	0], [8:Edge,0-1-10], [15:0-4-0,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 IRC2015/TPI2014	CSI TC BC WB Matrix-MSH	0.92 Vert(LL) 0.81 Vert(CT 0.31 Horz(CT		(loc) l/defl 14 >999 14 >538 8 n/a	L/d PLATES 240 MT20 180 MT18HS n/a Weight: 170	GRIP 244/190 244/190 Ib FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS WEDGE BRACING TOP CHORD BOT CHORD	2x4 SP 2400F 2.0E No.2 2x4 SP No.3 *Exce Left: 2x4 SP No.3 Right: 2x4 SP No.3 Structural wood she	eathing directly appli y applied or 10-0-0 o	o.2 Vasd=103 SP Cat. II; Ex Exterior (2 No.2 vertical lef forces & M DOL=1.60 3) TCLL: AS: DOL=1.15 c snow); Pf= Plate DOL Ct=1.10	CE 7-10; Vult=130mp mph; TCDL=6.0psf; l b B; Enclosed; MWFI b D; cone; cantilever left t and right exposed; C WVFRS for reactions plate grip DOL=1.33 CE 7-10; Pr=20.0 psf Plate DOL=1.15); P: 13.9 psf (flat roof sn =1.15); Category II; l ed snow loads have b	BCDL=6.0psf; h=2 RS (envelope) and t and right expose C-C for members a shown; Lumber shown; Lumber f (roof live load: Lu g=20.0 psf (groun ow: Lumber DOL= Exp B; Fully Exp.;	d C-C d ; end and mber d :1.15			
REACTIONS FORCES TOP CHORD	Max Horiz 2=-88 (L) Max Grav 2=1480 ((lb) - Maximum Cor Tension 1-2=0/30, 2-3=-251	C 13) (LC 2), 8=1480 (LC 2 mpression/Maximum 8/219, 3-4=-2314/15	design. 5) This truss load of 12 overhangs 6) 200.0lb A0 4, from left e	has been designed f 0 psf or 2.00 times fl non-concurrent with C unit load placed on nd, supported at two	or greater of min r at roof load of 13. other live loads. the bottom chord points, 5-0-0 apar	oof live 9 psf on 15-6-0 t.			
BOT CHORD	2-18=-235/2173, 17 17-27=0/1624, 27-2 12-15=0/1624, 12-2 11-30=0/1624, 10-1 8-10=-81/2159, 16- 14-32=-116/0, 14-3	26=-2299/174, 5=-2518/219, 8-9=0/3 7-18=-72/2199, 28=0/1624, 15-28=0/ 29=0/1624, 29-30=0/	8) * This trus 0 on the bot 3-06-00 ta 1624, chord and 1624, 9) This truss Internation 16/0, R802.10.2	are MT20 plates unle s has been designed tom chord in all area: Il by 2-00-00 wide wi any other members, is designed in accord is designed in accord and referenced stan 5) Standard	I for a live load of a s where a rectang II fit between the b with BCDL = 10.0 dance with the 20 sections R502.11	20.0psf le ottom lpsf. I 5		CIT OFT	A CARO
WEBS	5-16=0/970, 5-13=0	444/326, 16-17=-27/8 D/970, 11-13=-27/818 0=-85/2, 12-14=-92/0	l,						SEAL 036322
NOTES 1) Unbalance this design	ed roof live loads have							in C	A. GILBERT
Design va a truss sy building o is always fabricatio	valid for use only with MiTek ystem. Before use, the build design. Bracing indicated is s required for stability and to on, storage, delivery, erectio	® connectors. This design ding designer must verify the s to prevent buckling of ind prevent collapse with pos on and bracing of trusses a	DN THIS AND INCLUDED MIT is based only upon paramete e applicability of design para vidual truss web and/or chorr sible personal injury and prop nd truss systems, see I. Lee Street, Suite 312, Alex	rs shown, and is for an ind meters and properly incorp d members only. Additiona erty damage. For general ANSI/TPI1 Quality Crit	lividual building compo porate this design into t al temporary and perma guidance regarding th	nent, not he overall anent bracing e	ponent	TRI 818 Soundsid Edenton, NC	

Job	Truss	Truss Type	Qty	Ply	19 Sweetwater-Roof	
20020068-A	T5GE	Common Supported Gable	1	1	Job Reference (optional)	E14200259

Run: 8.33 S Mar 10 2020 Print: 8.330 S Mar 10 2020 MiTek Industries, Inc. Wed Mar 18 12:39:44 ID:?GsMSYZIg_vRDIEd_KaDrAzaNPe-D?SSQ2tMKWI4D1II18kRwUSordMJHGWD7HTaluzZi2T



Scale = 1:58.2

Plate Offsets (X, Y): [2:0-3-8,Edge], [20:0-3-8,Edge]

	A, T). [2.0	-3-6,Eugej,	[20.0-3-6,Euge]											
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	1	(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	T B W	SI C SC VB Matrix-MSH	0.07 0.03 0.16	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	·	oc) l/defl - n/a - n/a 41 n/a		PLATES MT20 Weight: 192 lb	GRIP 244/190 FT = 20%
	2x4 SP N 2x4 SP N 29-11,31- Left: 2x4 Right: 2x4 Structura 6-0-0 oc Rigid ceil bracing. (size)	Io.2 Io.3 *Excep 10,32-9,28 SP No.3 4 SP No.3 Il wood shea purlins. Iing directly 2=31-0-0, 23=31-0-0 26=31-0-0 23=31-0-0 33=31-0-0 33=31-0-0 33=31-0-0 2=-88 (LC 23=-18 (L 23=-18 (L 23=-18 (L 23=-18 (L 23=-18 (L 23=-19 (L 33==19 (L 33==19 (L 35=-20 (L	-12,27-13:2x4 SP No athing directly applied applied or 10-0-0 oc 20=31-0-0, 22=31-0 0, 24=31-0-0, 28=31- 0, 31=31-0-0, 32=31- 0, 31=31-0-0, 38=31- 0, 37=31-0-0, 38=31-	d or FORCES -0, 0-0, 0-0, 0-0, 0-0, 0-0, 0-0, BOT CHORD 5), 5), 5), 5), 5), 5),	(lb) Ten 1-2: 4-5: 7-8-8 10- 12 14 17 20 2-3: 35 33 33 33 29 29 29 29 29	24=159 26=160 28=197 31=197 33=160 35=159	(LC 34), (LC 34), (LC 34), (LC 23), (LC 22), (LC 33), (LC	23=165 (LC 2 25=160 (LC 2 27=159 (LC 2 27=159 (LC 2 32=159 (LC 2 32=159 (LC 2 34=160 (LC 2 36=165 (LC 2 38=122 (LC 2 on/Maximum 4=-90/60, 7=-57/90, >10=-76/192, /237, /142, 10, 16-17=-39/4 29, 19-20=-104, 31, /132, /142, 10, 16-17=-39/4 29, 19-20=-104, 31, /131, /131, /131, /131, /131, /131, /132, /132, /142, 10, 16-17=-39/4 29, 19-20=-114, 31, /131, /131, /131, /131, /131, /132, /132, /143, /131, /131, /131, /132, /142, /142, /142, /143, /131, /131, /132, /142, /142, /142, /142, /142, /142, /142, /142, /142, /143, /143, /143, /143, /143, /142,),),),),),),), , /43, //43, //866, 32,	2) 2) 3) 4) 4) 5) 10	this design Wind: ASC Vasd=1037 Cat. II; Exp Exterior (2) vertical left forces & M DOL=1.60 Truss desi only. For s see Standa or consult of TCLL: ASC DOL=1.15 Snow); Pf= Plate DOL= Ct=1.10 Unbalance design.	E 7-10 mph; TC B; Enc zone; and ric WFRS plate g gned fc tuds ex ard Ind qualifier E 7-10 Plate D 13.9 ps = 1.15); d snow	; Vult=130mph (; CDL=6.0psf; BCI closed; MWFRS cantilever left ar ght exposed;C-C for reactions sho rip DOL=1.33 or wind loads in 1 xposed to wind (i ustry Gable End d building desigr ; Pr=20.0 psf (ro DOL=1.15); Pg=2 of (flat roof snow: Category II; Exp r loads have bee	DL=6.0psf; h=25ft; (envelope) and C-C dright exposed; end for members and own; Lumber the plane of the truss normal to the face), Details as applicable, her as per ANSI/TPI 1. sof live load: Lumber 20.0 psf (ground Lumber DOL=1.15
													Maria	h 40.0000

March 18,2020

Page: 1



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	19 Sweetwater-Roof	
20020068-A	T5GE	Common Supported Gable	1	1	Job Reference (optional)	E14200259

- 6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads.
- 7) All plates are 2x4 MT20 unless otherwise indicated.
- 8) Gable requires continuous bottom chord bearing.

9) Gable studs spaced at 2-0-0 oc.

- 10) * 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.
- 11) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 31, 32, 33, 34, 35, 36, 37, 28, 27, 26, 25, 24, 23, and 22. 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.

LOAD CASE(S) Standard

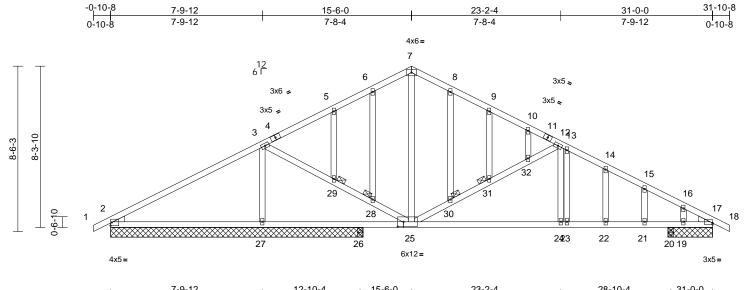
Run: 8.33 S Mar 10 2020 Print: 8.330 S Mar 10 2020 MiTek Industries, Inc. Wed Mar 18 12:39:44 ID:?GsMSYZIg_vRDIEd_KaDrAzaNPe-D?SSQ2tMKWI4D1II18kRwUSordMJHGWD7HTaluzZi2T Page: 2

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 sand 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.



ŀ	Job	Truss	Truss Type	Qty	Ply	19 Sweetwater-Roof	
1	20020068-A	T5SE	Common Structural Gable	1	1	Job Reference (optional)	E14200260

Run: 8.33 S Mar 10 2020 Print: 8.330 S Mar 10 2020 MiTek Industries, Inc. Wed Mar 18 12:39:44 ID:TSQkfuaNRH1IruppY15SONzaNPd-D?SSQ2tMKWI4D1II18kRwUSe6dCUHCID7HTaluzZi2T



L	7-9-12	12-10-4	15-6-0	23-2-4	28-10-4	31-0-0	
Г	7-9-12	5-0-8	2-7-12	7-8-4	5-8-0	2-1-12	
Scale = 1:59.3							
Plate Offsets (X, Y): [17:Edge,	0-0-14], [25:0-3-8,0-3-0]						
							_

BL (mod) 2.0.0 (mP(PFg) Plase Ginp DOL 1.15 (mode PDF) 1.15 (mode PDF) TC 0.75 (WB Vert(CT) 0.06 27.35 (27.35 (27.35) 998 (20.45) 240 (WB MT20 244/190 DL 0.00 Code IRC2015/TF12014 WB 0.43 Horz(CT) 0.04 17 n/a n/a MMER Rep Stress Incr YES WES 0.04 Horz(CT) 0.04 17 n/a n/a MMER Rep Strespin 23 Except 12-24,327.24 SP Strespin 12-24,327.27.27.27.27.27.27.27.27.27.27.27.27.2																
Box (Pirg) 13.9/20.0 Lumber DOL 1.15 Rep Stress incr YES 2LL 10.0 Code YES Code 0.68 Verr(CT) 0.04 17 r/a r/a 2DL 10.0 Code YES Code 0.68 Verr(CT) 0.04 17 r/a r/a 2DL 10.0 Code YES Code Verr(CT) 0.04 17 r/a r/a 2DL 10.0 Code YES Code Verr(CT) 0.04 17 r/a r/a 2DL 10.0 Code YES Scaes YES	Loading													-		
DL 10.0 (Code Rep Briess Incr YES (Rec 2015/TPI2014 WB 0.43 (Matrix-MSH Horz(CT) 0.04 17 n/a n/a MBER (PC CMOR) 2x4 SP No.2 (Code (Rec 2015/TPI2014 Matrix-MSH (Matrix-MSH (Meight: 194 lb FT = 20% MBER (PC CMOR) 2x4 SP No.2 (Framework) (Framework) </td <td>TCLL (roof)</td> <td>20</td> <td>.0</td> <td></td> <td>1.15</td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>MT20</td> <td>244/190</td>	TCLL (roof)	20	.0		1.15		-							MT20	244/190	
21.L 0.0° Code IRC2015/TTPI2014 Matrix-MSH Weight: 194 lb FT = 20% DBER PCHORD 2x4 SP No.2 2x3 SP No.2 2x4 SP No.2 2x3 SP No.2 2x3 SP No.2 2x4 SP No.2 2x3 SP No.3 2x3 SP No.3 2x3 SP No.3 2x3 SP No.3 2x4 SP No.3 3x3 SP No.3 2x3 SP No.3 2x3 SP No.3 2x3 SP No.3 2x3 SP No.3 3x3 SP No.3 2x3 SP No.3 2x3 SP No.3 2x3 SP No.3 2x3 SP No.3 3x3 SP SP N	Snow (Pf/Pg)	13.9/20	.0	Lumber DOL				0.66	Vert(CT) -0	0.18	27-35	>529	180			
DL 10.0 Weight: 194 lb FT = 20% MMBER PC CHORD 244 SP No.2 BOT CHORD 244 SP No.2 Solution EVENCE 2-27=215/277, 26-27=-70/277, 26-27=-70/277, 25-27=-70/278, 15-27=-70/278, 15-27=-70/278, 15-27=-70/278, 15-27=-70/278, 15-27=-70/278, 15-27=-70/278, 15-27=-70/278, 15-27=-70/278, 15-27=-70/278, 15-27=-70/278, 15-27=-70/278, 15-27=-70/278, 15-27=70. 9) This trus is have been designed for an obse description of this design. 9) This trus is have been designed for an obse description of this design. INTS 11 Brace at 1(15): 228, 20-238, 10-2-38,	TCDL	10	.0	Rep Stress Incr	YES		WB	0.43	Horz(CT) 0	0.04	17	n/a	n/a			
 MBER PC HORD 2:4 SP No.2 MACHOR 2:4 SP No.2 PC HORD 2:4 SP No.2 Sz 4 SP No.2 * Except 12:24,3-27:2x4 SP No.3 CHORD 2:4 SP No.3 * Except 12:24,3-27:2x4 SP No.3 THERS 2:4 SP No.3 * Except 12:24,3-27:24,3-27:2-946/307, 12:24194/1139, 21:2-3-946/307, 12:2494/17, 13:23-36/97, 13:23569/205, 9:3-1-97/86, 10:32-33/47, 13:23569/205, 9:3-1-97/86, 10:32-33/47, 13:23569/207, 12:24194/139, 21:2-3-946/307, 12:24194/139, 12:23-946/51, 12:23-946/51, 12:23-946/51, 12:23-946/50, 12:24194/139, 14:22-71/27, 15:21=-143/92, 16:19-83/79 NTS 1 Tarce at JI(s): 28, 23-940/51, 0:25-28-90/526, 9:3-19-97/86, 10:25, 32-99-96/51, 22:3-90-95/16, 20:26, 12:24, 32:29-96/51, 22:24-96/57, 12:24-96/51, 22:24-96/51, 22:24-96/57, 12:24-96/51, 22:24-96/51, 22:24-96/57, 12:24-96/51, 22:24-96/51,	BCLL	0	.0*	Code	IRC2	015/TPI2014	Matrix-MSH									
 22-32-70277, 24-25-81-70277, 24-25-34-714739, 22-23-194/1149, 22-23-194/1149, 22-23-194/1149, 22-23-194/1149, 22-23-194/1149, 22-21-23-23, 22-23-40/114, 22-21/12, 22-23, 22-23-40/114, 22-21/12, 22-23, 22-23-40/114, 22-21/12, 22-23, 22-23-40/114, 22-21/12, 22-23, 22-23-40/114, 22-21/12, 22-23, 22-23-40/114, 22-21/12, 22-23, 22-23-40/114, 22-21/12, 22-23, 22-23-40/114, 22-21/12, 22-23, 22-23-40/114, 22-21/12, 22-23, 22-23-40/114, 22-21/12, 22-23, 22-23-40/114, 22-23/14, 22-21/12, 22-23, 22-23-2	BCDL	10	.0											Weight: 194 lb	FT = 20%	
 2x4 SP No.2 * Except 32:-24.32-324.32 * 134/1139, 20:21=134/20:21, 20:21=21:21=143/92, 16:19=137, 20:20=134/1139, 20:20=134/111, 20:20/11, 20:20=133/11, 20:20=133/11, 20:20=134/11, 20:20=133/11, 20:20=133/11, 20:20=133/11, 20:20=133/11, 20:20=133/11, 20:20=133/11, 20:20=133/11, 20:20=133/11, 20:20=139/11, 20:20=134/11, 20	LUMBER					BOT CHORD	2-27=-215/277, 26-2	27=-70	/277,		8) Gab	le studs	space	ed at 2-0-0 oc.		
 Zixá Sp No.2 * Except* 12-24,327:2x4 SP No.2 * Except* 12-24,327:2x4 SP No.3 * Except* 12-24,327:2x4 SP No.3 * Except* 28-6,30-8:2x4 SP No.2 * Except* 28-6,30-8:2x4 SP No.3 * Except* 28-6,10-20 cm members P CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing. 38-130-0, 38-28-8; Except* 28-14,02-3, 28-23-8; Except* 28-3,02-23-8; Except* 28-3,02-23-8	TOP CHORD	2x4 SP No.2					25-26=-70/277, 24-2		9) * Thi	is truss	uss has been designed for a live load of 20.0psf					
 No.3 No.4 Broken Laber Labor Labor	BOT CHORD	2x4 SP No.2														
 THERS 244 SP No.3 *Except* 28-6,30-8:2x4 SP No.2 Left: 2x4 SP No.3 (2x4 SP	WEBS	2x4 SP No.2 *E	xcept	t* 12-24,3-27:2x4 SP											t between the bottom	
 Actione Left: 2x4 SP No.3 Right: 2x4 SP No.3 Structural wood sheathing directly applied or 40-00 oc bracing. DT CHORD Structural wood sheathing directly applied or 10-00 oc bracing. DT CHORD Rigid ceiling directly applied or 10-00 oc bracing. NTTS 1 Brace at 11(5): 28, 29, 30, 31 SACTIONS (size) 2 = 13.0-0, 17=2-3.8, 19=2-3.8, 20=0-3.8, 26=0-3.8, 27=13-0-0, 33=13-0-0, 36=2-3.8 Max Horiz 2 = 88 (LC 13), 30=-88 (LC 15), 33=-45 (LC 33), 33=-88 (LC 15), 20=-34 (LC 16), 20=-620 (LC 2), 20=-34 (LC 33), 36=-912 (LC 2), 20=-34 (LC 16), 20=-620 (LC 2), 20=-54 (LC 2), 20=-620 (LC 2), 20=-54 (LC 2), 20=-620 (LC 2), 20=-54 (LC 2), 20=-620 (LC 2), 20=-54		No.3														
 Right 2x4 SP No.3 Right 2x4 SP	OTHERS			t* 28-6,30-8:2x4 SP N	No.2	WEBS										
 Acting P CHORD Structural wood sheathing directly applied or 4-92 oc purlins. DT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. DT CHORD Bird a directly applied or 10-0-0 oc bracing. INITS 1 Brace at It(s): 28, 29, 30, 31 EACTIONS (size) 2=13-0-0, 17=2-3-8, 19=2-3-8, 20-0-3-8, 26=0-3-8, 27=13-0-0, 33=13-0-0, 36=2-3-8 Max Horiz 2=-88 (LC 13), 33=-88 (LC 13) Max Upifit 2=-36 (LC 16), 13=-624 (LC 2), 20-3-34 (LC 16), 33=-36 (LC 15), Max Grav 2=-484 (LC 33), 33=-88 (LC 13), Max Upifit 2=-36 (LC 16), 03=-624 (LC 2), 20-34 (LC 16), 20-620 (LC 2), 33=-454 (LC 23), 27=-1122 (LC 2), 33=-454 (LC 23), 35=-812 (LC 2), 26=-49 (LC 34), 27=-1122 (LC 2), 33=-454 (LC 33), 85=-112 (LC 2), 19=-13 (LC 16), 20-620 (LC 2), 26=-49 (LC 34), 27=-1122 (LC 2), 74=5=-769/295, 5-6=-696/316, 6-7=-651732, 74=5=-699/330, 89=-70/0/321, 9-10=-711/279, 10=11758/284, 11-12=-776/276, 12=139 (134-128/382, 14+15=-1314/358, 15-16=-1304/3007, 16=17=-1308/264, 17-118=0/30 28-29-0/510, 25-28=-0/524, 3-27=-94/6/307, 6-28=-39/295, 5-6=-696/316, 6-7=-651732, 74=5=-769/295, 5-6=-696/316, 6-7=-651732, 74=5=-649/330, 8=-70/0/271, 9-10=-711/279, 10=11758/284, 11-12=-776/276, 12-13=-1149/295, 13-14=-1268/382, 14+15=-1314/358, 15-16=-1304/3007, 16=17=-1308/264, 17-18=0/30 28-20, 29-20,	WEDGE						,		,	-		ring plat	e capa	able of withstand	ling 34 lb uplift at joint	
 CHCRG PP CHORD DT CHORD Rigid ceiling directly applied or 10-0-0 cbracing. INTS 1 Brace at Jt(s): 28, 29-30-0, 17=2-3-8, 19=2-3-8, 20-0, 33=13-0-0, 33=13-0-0, 38=25-28, 20-3-8, 26=0-3-8, 27=13-0-0, 33=13-0-0, 33=13-0-0, 38=25-3-8 MAX Horiz 2=-88 (LC 13), 33=-88 (LC 13) Max Horiz 2=-88 (LC 15), 19=-524 (LC 2), 20=-34 (LC 16), 33=-88 (LC 13) Max Lipitit 2=-36 (LC 15), 19=-524 (LC 2), 20=-34 (LC 16), 33=-88 (LC 12) Max Grav 2=454 (LC 33), 17=912 (LC 2), 26=49 (LC 34), 72=1122 (LC 2), 26=49 (LC 34), 72=1122 (LC 2), 33=454 (LC 33), 36=912 (LC 2), 26=49 (LC 34), 72=1122 (LC 2), 33=454 (LC 33), 36=912 (LC 2), 26=-49 (LC 34), 36=912 (LC 34), 96=912 (LC 34), 96=912 (LC 34), 96=912 (LC		Right: 2x4 SP N	0.3							·		DT- / ·				
 9-31-97/68, 10-32-31/47, 13-23-198/172, 14-22=-17/27, 15-21-143/92, 16-19=-83/79 9-31-97/68, 10-32-31/47, 13-23-198/172, 14-22=-17/27, 15-21-143/92, 16-19=-83/79 9-31-97/68, 10-32-31/47, 13-23-198/172, 14-22=-17/27, 15-21-143/92, 16-19=-83/79 NOTES Unbalanced roof live loads have been considered for this design. SACTIONS (size) 2=13-0-0, 17=2-3-8, 19=2-3-8, 20=0-3-8, 27=13-0-0, 33=-13-0-0, 36=-2-3-8 Max Horiz 2=-88 (LC 13), 33=-88 (LC 13), 33=-845 (LC 15), 19=-524 (LC 2), 20=: cantilever left and right exposed; C-C for members and vertical left and right exposed; C-C for members and vertical left and right exposed; C-C for members and rol (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1. PRCES (b) - Maximum Compression/Maximum Tension PP CHORD 1-2=0/30, 2-3=-401/174, 3-4=-787/277, 4-5=-786/295, 5-5=-696/316, 6-7=651/332, 7-8=-649/330, 8=-700/31, 9-10-711/279, 10-11=-758/284, 11-12=-776/276, 12-11-10; Pig=20.0 psf (ground sonw): Lumber DOL=1.15); Category II; Exp B; Fully Exp.; Ci=1.10 PRCES (b) - Maximum Compression/Maximum Tension PP CHORD 1-2=0/30, 2-3=-401/174, 3-4=-787/277, 4-5=-768/295, 5-5=-696/316, 6-7=651/332, 7-10; Pi=20.0 psf (ground sonw): Lumber DOL=1.15); Category II; Exp B; Fully Exp.; Ci=1.10 PC HORD 1-2=0/30, 2-3=-401/174, 3-4=-787/277, 4-5=-786/295, 15=-1304/307, 16-17=-1308/264, 17-18=-0/30 PC HORD 1-2-1308/264, 17-1	BRACING									,						
 14-92 do purints. 14-92 do purints. 14-22=-17/27, 15-21=-143/92, 16-19=-83/79 14-22=-17/27, 15-21=-143/92, 16-19=-83/79 14-22=-17/27, 15-21=-143/92, 16-19=-83/79 15 race at Jt(s): 28, 29, 30, 31 14 radianced roof live loads have been considered for this design. 10 unbalanced roof live loads have been considered for this design. 14 radianced roof live loads have been considered for this design. 14 radianced roof live loads have been considered for this design. 14 radianced roof live loads have been considered for this design. 14 radianced roof live loads have been considered for this design. 14 radianced roof live loads have been considered for this design. 14 radianced roof live loads have been considered for this design. 14 radianced roof live loads have been considered for this design. 15 ratio radiance roof live loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Delatils as applicable, or consult qualified building designer as per ANSI/TPI 1. 14 radianced roof live Call roof since Lamber 200 psf (roof live load: Lumber DOL=1.15); rescond psr ANSI/TPI 1. 15 rate DoL=1.15); rate or prive roof live consult roof since Lumber DOL=1.15); rate or prive roof live plane of the truss on prive radiance and signed for greater of min roof live blane of the truss on prive radiance disting designer as per ANSI/TPI 1. 15 rate DOL=1.15); rate or prive radiance and blane radiance disting designer as per ANSI/TPI 1. 15 rate DOL=1.15); rate or prive radiance and blane radiance disting designer as per ANSI/TPI 1. 15 rate and right radiance and blane radiance and blane radiance and radia	TOP CHORD			athing directly applied	d or		,	,	,	2						
 NOTES NOTES NOTES I Brace at Jt(s): 28, 29, 30, 31 EACTIONS (size) 2=13-0-0, 17=2-3-8, 19=2-3-8, 20=-0-3-8, 26=-0-3-8, 27=13-0-0, 33=13-0-0, 36=2-3-8 Max Horiz 2=-88 (LC 13), 33=-88 (LC 13) Max Uplit 2=-36 (LC 15), 19=-524 (LC 2), 20=-34 (LC 16), 33=-36 (LC 15), 19=-13 (LC 16), 20=-620 (LC 2), 26=49 (LC 34), 27=1122 (LC 2), 33=454 (LC 33), 36=912 (LC 2), 26=49 (LC 34), 27=1122 (LC 2), 33=454 (LC 33), 36=912 (LC 2), 26=49 (LC 34), 27=1122 (LC 2), 33=454 (LC 33), 36=912 (LC 2), 26=49 (LC 34), 27=1122 (LC 2), 33=454 (LC 33), 36=912 (LC 2), 12=-130 (LP4)255, 56=-6603616, 67-e613(32, 7-8=-649/300, 8-9=-700/321, 9-10=-711/279, 10=11=-758/284, 11-12=-776/276, 12-13=-114/255, 154-14=2768/382, 14+15=-1314/358, 15-16=-1304/307, 16-17=-1308/264, 17-18=0/30 NOTES Unbalanced roof live loads have been considered for this design. NOTES Unbalanced roof live loads have been considered for this design. NOTES Unbalanced snow loads have been considered for this design. This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on 							,		,	,				for upint only ar	iu uues not consider	
 INTS 18 race at Jt(s): 28, 29, 30, 31 CACTIONS (size) 2=13-0-0, 17=2-3-8, 19=2-3-8, 20=0-3-8, 26=0-3-8, 27=13-0-0, 33=13-0-0, 36=2-3-8 Max Horiz 2=-88 (LC 13), 33=-88 (LC 13) Max Upift 2=-36 (LC 16), 19=-524 (LC 2), 20=-34 (LC 16), 33=-36 (LC 15) Max Grav 2=454 (LC 33), 17=912 (LC 2), 26=49 (LC 34), 27=1122 (LC 2), 33=454 (LC 33), 36=912 (LC 2), 26=49 (LC 34), 27=1122 (LC 2), 33=454 (LC 33), 36=912 (LC 2), 26=49 (LC 34), 27=1122 (LC 2), 33=454 (LC 33), 36=912 (LC 2), 26=49 (LC 34), 27=1122 (LC 2), 33=454 (LC 33), 36=912 (LC 2), 26=49 (LC 34), 27=1122 (LC 2), 33=454 (LC 33), 36=912 (LC 2), 26=49 (LC 34), 27=1122 (LC 2), 33=454 (LC 33), 36=912 (LC 2), 26=49 (LC 34), 27=1122 (LC 2), 33=454 (LC 33), 36=912 (LC 2), 26=49 (LC 34), 27=1122 (LC 2), 33=454 (LC 33), 36=912 (LC 2), 26=49 (LC 34), 27=1122 (LC 2), 33=454 (LC 33), 36=912 (LC 2), 26=49 (LC 34), 27=1122 (LC 2), 33=454 (LC 33), 36=912 (LC 2), 26=49 (LC 34), 27=1122 (LC 2), 33=454 (LC 33), 36=912 (LC 2), 26=49 (LC 34), 27=1122 (LC 2), 26=49 (LC 34), 27=1122 (LC 2), 33=454 (LC 33), 36=912 (LC 2), 26=49 (LC 34), 27=1122 (LC 2), 33=454 (LC 33), 36=912 (LC 2), 26=49 (LC 34), 27=1122 (LC 2), 33=454 (LC 33), 36=912 (LC 2), 26=49 (LC 34), 27=1122 (LC 2), 33=454 (LC 33), 36=912 (LC 2), 26=49 (LC 34), 27=1122 (LC 2), 33=454 (LC 33), 36=912 (LC 2), 26=49 (LC 34), 27=1122 (LC 2), 33=454 (LC 33), 36=912 (LC 2), 26=49 (LC 34), 27=1122 (LC 2), 36=163 (LC 36) (LC 34), 27=1122 (LC 2), 36=163 (LC 36) (LC 34), 27=1122 (LC 2), 26=49 (LC 34), 27=1129 (LC 34), 28=148 (LC 34	BOT CHORD		ectly	applied or 10-0-0 oc			14-2217/27, 13-2	1=-145	/32, 10-13-03/13					ned in accordan	ice with the 2015	
 INTS 29, 30, 31 EACTIONS (size) 2=13-0-0, 17=2-3-8, 19=2-3-8, 20=0-3-8, 27=13-0-0, 33=13-0-0, 36=2-3-8 Max Horiz 2=-88 (LC 13), 33=-88 (LC 13), Max Uplift 2=-36 (LC 15), 19=-524 (LC 2), 20=-34 (LC 16), 20=620 (LC 2), 20=-34 (LC 16), 20=620 (LC 2), 26=49 (LC 34), 27=1122 (LC 2), 33=454 (LC 33), 17=9112 (LC 2), 33=454 (LC 33), 36=912 (LC 2), 12=-708 (2000) (2		0					l an af là sa la a da l									
 29, 30, 31 Charling (size) 2=13-0-0, 38, 26=0-3-8, 27=13-0-0, 33=13-0-0, 36=2-3-8 Max Horiz 2=-88 (LC 13), 33=-88 (LC 13) Max Uplift 2=-36 (LC 15), 19=-524 (LC 2), 20=3-34 (LC 16), 33=-36 (LC 15) Max Grav 2=454 (LC 33), 17=912 (LC 2), 19=-13 (LC 16), 20=620 (LC 2), 20=49 (LC 34), 27=112 (LC 2), 33=454 (LC 33), 36=912 (LC 2), 33=454 (LC 33), 86=912 (LC 2), 33=454 (LC 33), 17=912 (LC 2), 10 TCLL: ASCE 7-10; Pr=20.0 psf (root five load: Lumber DOL=1.15); Pg=20.0 psf (root five load: Shave been considered for this design. Unbalanced snow loads have been considered for this design. Unbalanced snow loads have been considered for this design. This trus has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on 1400 (12.0 psf or					this design.						R802.10.2 and referenced standard ANSI/TPI 1.					
 Vasd=103mpt; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Vasd=103mpt; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Vasd=103mpt; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Vasd=103mpt; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Vasd=103mpt; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Vasd=103mpt; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Vasd=103mpt; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Vasd=103mpt; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Vasd=103mpt; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Vasd=103mpt; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Vasd=103mpt; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Vasd=103mpt; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Vasd=103mpt; TCDL=6.0psf; BCDL=6.0psf; BCDL=6.0psf;																
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 b) Signature 13:000, 302-033 b) Max Uplift 2=-36 (LC 13), 33=-88 (LC 13) Max Uplift 2=-36 (LC 15), 19=-524 (LC 2), 20=-34 (LC 16), 33=-36 (LC 15) b) Max Grav 2=454 (LC 33), 17=912 (LC 2), 33=454 (LC 33), 36=912 (LC 2) b) P CHORD 1-2=0/30, 2-3=-401/174, 3-4=-787/277, 4-55=-769/295, 5-6=-696/316, 6-7=-651/332, 7-8=-649/330, 8-9=-700/321, 9-10=-711/279, 10-11=-758/284, 11-12=-776/276, 12-13=-1149/295, 13-14=-1268/382, 14-15=-1314/358, 15-16=-1304/307, 16-17=-1308/264, 17-18=0/30 b) Charlen Composition of the trus of the true of the true),											
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Tension 4) TCL: ASCE 7-10; PF=20.0 psf (root live load: Lumber DoL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat root snow: Lumber DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat root snow: Lumber DOL=1.15); Pd=20.0 psf (ground snow); Pf=13.9 psf (flat root snow: Lumber DOL=1.15); Pd=20.0 psf (ground snow); Pf=13.9 psf (flat root snow: Lumber DOL=1.15); Pd=20.0 psf (ground snow); Pf=13.9 psf (flat root snow: Lumber DOL=1.15); Pd=20.0 psf (ground snow); Pf=13.9 psf (flat root snow: Lumber DOL=1.15); Pd=20.0 psf (ground snow); Pf=13.9 psf (flat root snow: Lumber DOL=1.15); Pd=20.0 psf (ground snow); Pf=13.9 psf (flat root snow: Lumber DOL=1.15); Pd=20.0 psf (ground snow); Pf=13.9 psf (flat root snow: Lumber DOL=1.15); Pd=20.0 psf (ground snow); Pf=13.9 psf (flat root snow: Lumber DOL=1.15); Pd=20.0 psf (ground snow); Pf=13.9 psf (flat root snow: Lumber DOL=1.15); Pd=20.0 psf (ground snow); Pf=13.9 psf (flat root snow: Lumber DOL=1.15); Pd=20.0 psf (ground snow); Pf=13.9 psf (flat root snow: Lumber DOL=1.15); Pd=20.0 psf (ground snow); Pf=13.9 psf (flat root snow: Lumber DOL=1.15); Pd=20.0 psf (ground snow); Pf=13.9 psf (flat root snow: Lumber DOL=1.15); Pd=20.0 psf (ground snow); Pf=13.9 psf (flat root snow: Lumber DOL=1.15); Pd=20.0 psf (ground snow); Pf=13.9 psf (flat root snow: Lumber DOL=1.15); Pd=20.0 psf (ground snow); Pf=13.9 psf (flat root snow: Lumber DOL=1.15); Pd=20.0 psf (ground snow); Pf=13.9 psf (flat root snow: Lumber DOL=1.15); Pd=20.0 psf (ground snow; Pf=13.9 psf on the pd=1.15); Pd=20.0 psf (ground snow; Pf=13.9 psf on the pd=1.15); Pd=20.0 psf (ground snow; Pf=13.9 psf on the pd=1.15); Pd=20.0 psf (ground snow; Pf=13.9 psf on the pd=1.15); Pd=20.0 psf or 2.00 times flat root load of 13.9 psf on the pd=1.15); Pd=20.0 psf or 2.00 times flat root load of 13.9 psf on the pd=1.15); Pd=20.0 psf or 2.00 times flat root load of 13.9 psf on the pd=1.15); Pd=1.15,	FORCES		•	· · · · ·	/					•				17/0/	11.4	
DP CHORD 1.2=0/30, 2-3=-401/174, 3-4=-787/277, 4-5=-769/295, 5-6=-696/316, 6-7=-651/332, 7-8=-649/330, 8-9=-700/321, 9-10=-711/279, 10-11=-758/284, 11-12=-776/276, 12-13=-1149/295, 13-14=-1268/382, 14-15=-1314/358, 15-16=-1304/307, 16-17=-1308/264, 17-18=0/30 DOL=1.15 Plate DOL=1.15 Plate DOL=1.15; Category II; Exp B; Fully Exp.; Ct=1.10 O Unbalanced snow loads have been considered for this design. O This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads. O All plate parts are 2x4 M1230 unlose at begins in disented	TOROLO	· · /	Com	pression/maximum									4	.2.		
 4-5=-769/295, 5-6=-696/316, 6-7=-651/332, 7-8=-649/330, 8-9=-700/321, 9-10=-711/279, 10-11=-758/284, 11-12=-776/276, 12-13=-1149/295, 13-14=-1268/382, 14-15=-1314/358, 15-16=-1304/307, 16-17=-1308/264, 17-18=0/30 5 SEAL Plate DOL=1.15; Category II; Exp B; Fully Exp.; Ct=1.10 5 Unbalanced snow loads have been considered for this design. 6 This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads. 7 All plate por 2.24 M220 uploce otherwise displayed d	TOP CHORD		401/1	174 3-4=-787/277									=		CEAL :	
7-8=-649/330, 8-9=-700/321, 9-10=-711/279, 10-11=-758/284, 11-12=-776/276, 12-13=-1149/295, 13-14=-1268/382, 14-15=-1314/358, 15-16=-1304/307, 16-17=-1308/264, 17-18=0/30 036322 0 Unbalanced snow loads have been considered for this design. 0 This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads. 0 All plotes or 2.40 Mi20 unloss otherwise disploted					32.								=	:	SEAL :	
10-11=-758/284, 11-12=-776/276, 12-13=-1149/295, 13-14=-1268/382, 14-15=-1314/358, 15-16=-1304/307, 16-17=-1308/264, 17-18=0/3010-11=-758/284, 11-12=-776/276, tubbalanced snow loads have been considered for this design.5)Unbalanced snow loads have been considered for this design.6)This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads.7)All plate or 24 MT20 unless otherwise indicated		7-8=-649/330, 8-9=-700/321, 9-10=-711/279,		,	Ct=1.10								: 0	36322 :		
12-13=-1149/295, 13-14=-1268/382, 14-15=-1314/358, 15-16=-1304/307, 16-17=-1308/264, 17-18=0/30												-				
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16-17=-1308/264, 17-18=0/30 Ioad of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads.						0	as been designed fo	r areat	er of min roof live	e.			0	- A SA	OWFER X	
overhangs non-concurrent with other live loads.		16-17=-1308/26	4, 17	7-18=0/30										1 Al	GINER	
7) All plates are 2x4 MT20 uplace otherwise indicated														Mile ,		
(1) All plates die 2X4 W120 ulliess otherwise indicated.														1111	1. GIL	

March 18,2020

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 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.



