

Trenco 818 Soundside Rd Edenton, NC 27932

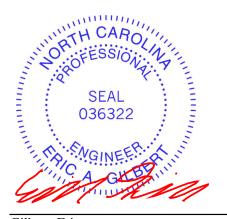
Re: 20070146 KMB- 1 OAK GROVE CHURCH RD

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: E14731405 thru E14731412

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

North Carolina COA: C-0844



August 12,2020

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	KMB- 1 OAK GROVE CHURCH RD	
20070146	A01	Common	1	1	Job Reference (optional)	E14731405

16-2-12

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

-0-10-8

8-1-11

Run: 8.41 S May 22 2020 Print: 8.410 S May 22 2020 MiTek Industries, Inc. Wed Aug 12 10:29:07 ID:_fMI?1okmGXmmFXL?OQ?BvyodSJ-i7Ovb8QbX1cUwjP5RKW2CPrfz2xuHBdfKHIGMMyod_y

24-3-11

Page: 1

33-4-0

818 Soundside Road Edenton, NC 27932

32-5-8

		0-10-8	8-1-1			8-1-1		8-0-1		+		8-1-		0-10-8	
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		4	-6-8 4-8	3-4	16-2	10		24-3-	11			32-	- 0		
			-6-8 0-1		11-			8-0-1				8-1-		—	
Scale = 1:73.8 late Offsets (X, Y): [8:0-3-8,Edg	e] [12·0-2-12	Edgel												
							-								
oading CLL (roof)	(psf) 20.0			2-0-0 1.15		TC	0.95	DEFL Vert(LL)	in -0.33	(loc) 12-13	l/defl >999	L/d 240	PLATES MT20	GRI 244/	
now (Pf/Pg)	13.9/20.0	Lumber D	OL	1.15		BC	0.81	Vert(CT)	-0.64	12-13	>522	180			
CDL BCLL	10.0 0.0			YES IRC2015/TPI2	2014	WB Matrix-MSH	0.34	Horz(CT)	0.03	8	n/a	n/a			
CDL	10.0						-						Weight: 1	73 lb FT =	= 20%
UMBER						7-10; Vult=130m									
OP CHORD	2x4 SP No.2 2x4 SP No.2 *Exc	ont* 2-12.2v1	SP No 1			bh; TCDL=6.0psf; b; Enclosed; MWF									
VEBS	2x4 SP No.2		3F N0.1	Exte	erior (2) z	one; cantilever le	ft and rig	ht exposed ; e							
VEDGE	Left: 2x4 SP No.3 Right: 2x4 SP No.					nd right exposed; FRS for reaction:									
RACING		•		DOI	_=1.60 pl	ate grip DOL=1.3	3								
OP CHORD	Structural wood s 2-2-0 oc purlins.	heathing direc	tly applied	01 '		7-10; Pr=20.0 ps ate DOL=1.15); F			ei						
OT CHORD	Rigid ceiling direc		10-0-0 oc			.9 psf (flat roof si .15); Category II;			5						
	bracing, Except: 6-0-0 oc bracing:			Ct=	1.10										
/EBS	1 Row at midpt	7-12, 3-13				s been designed osf or 2.00 times									
EACTIONS	(size) 8=0-3-8 Max Horiz 13=225	3, 13=0-3-8 5 (LC 12)				on-concurrent wit			maf						
	Max Uplift 8=-5 (L	C 14)	4570 (1 0 0	, on t	he botton	as been designe n chord in all area	as where	a rectangle	•						
ORCES	Max Grav 8=1183 (lb) - Maximum Co	(),	· · ·	/ 3-00		y 2-00-00 wide w y other members									
	Tension	·		6) One	RT7A U	SP connectors re	commen	ded to conned							
OP CHORD	1-2=0/35, 2-3=-29 4-5=-845/248, 5-6					ng walls due to L for uplift only an			eral					uuun,	15
OT CHORD	7-8=-1580/249, 8- 2-13=-294/341, 13			forc		Otendend							"TH	CARC	Sugar 1
	20-21=-76/652, 12			LOAD C	ASE(S)	Standard						(I)	ORIEF	Sid	1Nº 1
	11-12=-68/1212, 10-22=-68/120, 10-22=-70-100, 10-22=-70-100, 10-22=-70-100, 10-20-100, 100-100-100, 10-20-1000, 10-20-100, 10-20-100, 100-10000										4		1p	A	
	8-23=-68/1212										-		ex.		1. 3
/EBS	3-12=-30/277, 5-1 7-10=0/331, 3-13=		12=-764/25	9 ,							Ξ	1		SEAL	E 1
OTES											Ξ		. 03	86322	
) Unbalance this design	ed roof live loads ha 1.	ve been consi	dered for									-	N		1 3
												11	OS SIC A	INEEP	and and
												11	CA	GILE	Enn
														. GILE	11,
													Αι	igust 12,	2020
A															
Design va	IING - Verify design para alid for use only with MiTe	ek® connectors. T	his design is b	ased only upon p	arameters s	hown, and is for an ir	dividual bu	Iding component,	not				EN	SINEERING BY	rn
a truss sy building d	stem. Before use, the bu lesign. Bracing indicated	ilding designer mu is to prevent buck	ust verify the a kling of individe	pplicability of desi ual truss web and	gn paramet or chord m	ers and properly inco embers only. Additior	rporate this nal tempora	design into the ov y and permanent	verall					L N	
is always	required for stability and	to prevent collaps	e with possible	e personal injury a	and property	/ damage. For generative of the second se	al guidance	regarding the						A MITe	k Attillate

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLOSES INCL

Job	Truss	Truss Type	Qty	Ply	KMB- 1 OAK GROVE CHURCH RD	
20070146	A02	Roof Special	8	1	Job Reference (optional)	E14731406

Loading

TCDL

BCLL

BCDL

WEBS

WEDGE

SLIDER

FORCES

WEBS

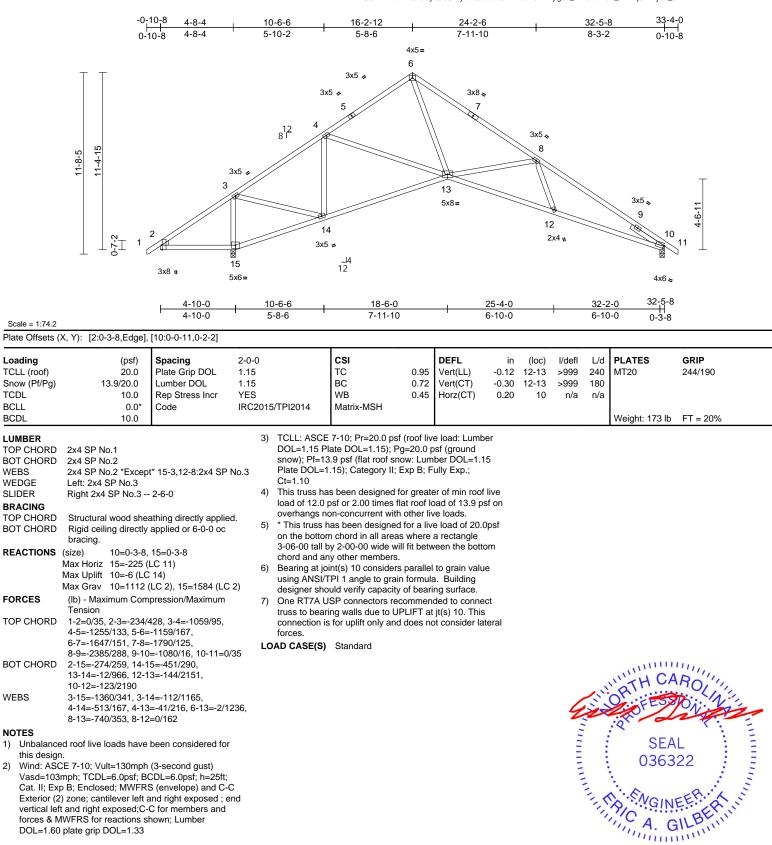
NOTES

1)

2)

LUMBER

Run: 8.41 S May 22 2020 Print: 8.410 S May 22 2020 MiTek Industries, Inc. Wed Aug 12 10:29:10 ID:mYUSWrw4srFZQY8DyQaoSWyodQs-audQRWT5aF6wPKjtg9b_MF0LufK9D_wFFvjUW7yod_u Page: 1



August 12,2020

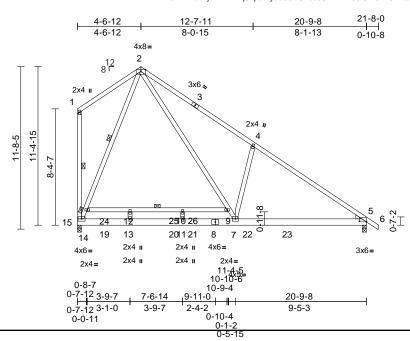


🛕 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only design parameters and READ NOTES ON TIPS ON TIPS AND INCLODED MITCR REPERINCE PAGE MIT-14/3 (94) 3192/020 DEPORE 05E. Design valid for use only with MITER (be 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/TP11 Quality Criteria, DSB-89 and BCSI Building Component**
 Satisfies
 Ansi/TPI Qu

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

Job	Truss	Truss Type	Qty	Ply	KMB- 1 OAK GROVE CHURCH RD	
20070146	A03	Common	7	1	Job Reference (optional)	E14731407

Run: 8.41 S May 22 2020 Print: 8.410 S May 22 2020 MiTek Industries, Inc. Wed Aug 12 10:29:10 ID:0ADrNcTNjANPnDwqSltpeWyodOs-25BoesUkLZEm0Ul3Et6DvSYX03dmyQJPTZS12Zyod_t



Scale = 1:82.9 Plate Offsets (X, Y): [5:0-6-0,0-0-9]

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-MSH	0.87 0.89 0.50	DEFL Vert(LL) Vert(CT) Horz(CT)		(loc) 10-12 10-12 5	l/defl >761 >393 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 160 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS WEDGE BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x6 SP 2400F 2.0E * No.2, 8-5:2x6 SP No 2x4 SP No.2 *Except No.3 Right: 2x4 SP No.3 Structural wood sheat except end verticals. Rigid ceiling directly bracing, Except: 8-3-12 oc bracing: 9-1 1 Row at midpt	.2 ** 12-13,10-11:2x4 S athing directly applie applied or 10-0-0 oc -11. 4 1-15, 2-14 5=0-3-8 LC 11)	P 3) 3) 3) 3) 3) 5) 5)	Vasd=103mp Cat. II; Exp E Exterior (2) z vertical left at forces & MW DOL=1.60 pl TCLL: ASCE DOL=1.15 P snow); Pf=13 Plate DOL=1 Ct=1.10 This truss ha load of 12.0 overhangs n 200.0lb AC L from left end All plates are	7-10; Vult=130mp bh; TCDL=6.0psf; 3; Enclosed; MWF cone; cantilever lef nd right exposed; (FRS for reactions ate grip DOL=1.33; 7-10; Pr=20.0 ps late DOL=1.15); P 3.9 psf (flat roof sn .15); Category II; as been designed i psf or 2.00 times f on-concurrent with unit load placed or , supported at two a 2x4 MT20 unless as been designed	BCDL=6 RS (env t and rig C-C for r shown; 3 f (roof liv g=20.0 p ow: Lur Exp B; F ior great lat roof lo o ther lin o the bott points, s o therwi	.0psf; h=25ft elope) and C ht exposed ; nembers anc Lumber e load: Lumt ssf (ground ber DOL=1. ully Exp.; er of min roo pad of 13.9 p ve loads. om chord, 4- 5-0-0 apart. se indicated.	-C end ber 15 f live sf on 6-12					
FORCES	3-4=-1423/178, 4-5=	1297/204,	LC	3-06-00 tall b	n chord in all area by 2-00-00 wide w ny other members Standard	ill fit betv	een the bott					WITH CA	ROUL
BOT CHORD	1-15=-219/168 15-19=0/559, 13-19= 11-20=0/559, 11-21= 7-8=0/559, 7-22=0/1 5-23=0/1162, 14-24= 12-25=-159/0, 10-25 9-26=-159/0	=0/559, 8-21=0/559, 162, 22-23=0/1162, =-159/0, 12-24=-159,	/0,							2	A CONTRACT	ORIEESS	•
WEBS NOTES 1) Unbalance this design	14-15=-1079/155, 2- 4-7=-496/323, 2-9=-4 12-13=-109/0, 10-11 ed roof live loads have	42/1465, 7-9=-80/13 =-172/0								111WS		in min	EER

August 12,2020

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Job	Truss	Truss Type	Qty	Ply	KMB- 1 OAK GROVE CHURCH RD	
20070146	A04	Common Supported Gable	1	1	Job Reference (optional)	E14731408

Run: 8.41 S May 22 2020 Print: 8.410 S May 22 2020 MiTek Industries, Inc. Wed Aug 12 10:29:11 ID:zS1bn_xGDLdEopg41DYB21yodMz-XHIAsBVM6tMdeetFnadSRg5phT7rhzXYiDCba0yod_s

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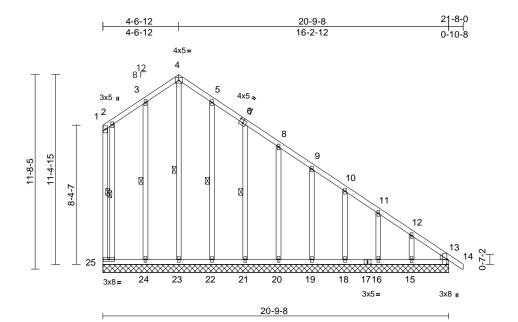


Plate Offsets (X, Y): [6:0-2-8,0-2-4], [13:0-3-8, Edge]

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL	(psf) 20.0 13.9/20.0 10.0 0.0*	Plate Grip DOL Lumber DOL Rep Stress Incr	1-11-4 1.15 1.15 YES IRC2015/TPI2014	CSI TC BC WB Matrix-MSH	0.20	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.01	(loc) - - 13	n/a n/a	L/d 999 999 n/a	PLATES MT20	GRIP 244/190
BCDL	10.0	Code		Matrix-Mort							Weight: 183 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS WEDGE BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x4 SP No.2 2x4 SP No.2 2x4 SP No.2 *Excep SP No.3 Right: 2x4 SP No.3 Structural wood shee 6-0-0 oc purlins, exc Rigid ceiling directly bracing. 1 Row at midpt (size) 13=20-9-8 18=20-9-8 21=20-9-8		BOT CHORD or WEBS , 8, NOTES 8, 1) Unbalance	4-5=-233/255, 5-6 7-8=-189/152, 8-9 10-11=-276/261, 1 2-13=-398/368, 2 24-25=-323/363, 2 20-21=-323/363, 1 8-19=-323/363, 1 6-17=-323/363, 1 3-15=-323/363, 1 3-15=-323/363, 1 3-25=-176/138, 5 8-20=-124/79, 9-1 11-16=-118/76, 1 ed roof live loads ha	=-189/20 =-201/16 11-12=-33 13-14=0/3 23-24=-32 21-22=-32 19-20=-32 17-18=-32 15-16=-32 24=-157/ 22=-132/ 9=-124/7 2-15=-157	5, 6-7=-190/1 6, 9-10=-218, 88/303, 14, 1-25=-211 13/363, 13/363, 13/363, 13/363, 13/363, 13/363, 13/363, 101, 81, 7-21=-12; 9, 10-18=-12; 7/108	92, /213, /230 B/85, 5/80,	 7) Ga 8) Ga 9) * T on 3-C cho bea 18. 11) On trua 24, upl 	ble require ble studs his truss the botto 06-00 tall ord and a ovide med aring plate e RT7A L ss to bear , 22, 21, 2	res cor space has be m chor by 2-00 ny othe chanica e capa JSP co ring wa 20, 19, nd does	MT20 unless oth minuous bottom of d at 2-0-0 oc. een designed for rd in all areas wh 0-00 wide will fit er members. al connection (by ble of withstandi ponnectors recomma alls due to UPLIF 16, 15, and . T s not consider la	erwise indicated. chord bearing. a live load of 20.0ps iere a rectangle between the bottom r others) of truss to ng 31 lb uplift at join mended to connect T at jt(s) 25, 13, 23, his connection is fo
	Max Horiz 25=-303 (J Max Uplift 13=-83 (L 16=-19 (L) 21=-31 (L) 23=-90 (L) 25=-38 (L) Max Grav 13=221 (L 16=150 (L 21=159 (L 23=177 (L	LC 11) C 10), 15=-67 (LC 14) C 14), 18=-31 (LC 14) C 14), 20=-29 (LC 14) C 14), 22=-27 (LC 14) C 14), 22=-27 (LC 10) C 10), 26=-83 (LC 10) C 25), 15=206 (LC 26 C 2), 18=164 (LC 26), C 26), 20=161 (LC 26 C 26), 22=170 (LC 26 C 10), 24=203 (LC 25), C 25), 26=221 (LC 25)	 Wind: AS Vasd=103 Cat. II; Ex Exterior (2 vertical lef forces & N DOL=1.60 Truss des only. For see Stanc or consult TCLL: AS DOL=1.15 snow); Pf: Plate DOI Ct=1.10 This truss load of 12 	CE 7-10; Vult=130m mph; TCDL=6.0psf; p B; Enclosed; MWF 2) zone; cantilever let and right exposed; MVFRS for reactions 1 plate grip DOL=1.3 igned for wind loads studs exposed to wi ard Industry Gable I qualified building de CE 7-10; Pr=20.0 ps Plate DOL=1.15); F =13.9 psf (flat roof sr =1.15); Category II; has been designed .0 psf or 2.00 times s non-concurrent wit	BCDL=6 RS (envet ft and rigl C-C for n s shown; l a in the pla nd (norm: End Detai signer as if (roof liv/ Pg=20.0 p now: Lum Exp B; F for greate flat roof lo	Opsf; h=25ft; lope) and C- tt exposed; end nembers and _umber and of the trus al to the face) ls as applicat per ANSI/TF a load: Lumb sf (ground ber DOL=1.1 ully Exp.; er of min roof pad of 13.9 ps	C end ss , ole, el 1. er 5 live		A CONTRACTOR		SEA 0363	EEP. K

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August 12,2020

Job	Truss	Truss Type	Qty	Ply	KMB- 1 OAK GROVE CHURCH RD	
20070146	B01	Common	7	1	Job Reference (optional)	E14731409

Run: 8.41 S May 22 2020 Print: 8.410 S May 22 2020 MiTek Industries, Inc. Wed Aug 12 10:29:12 ID:gNdNtO3YtQtp_LR?dJkYS8yodMp-?TJY3XW_tAUUGoRRLI8h_tdvAtNXQPPhxtx86Syod_r

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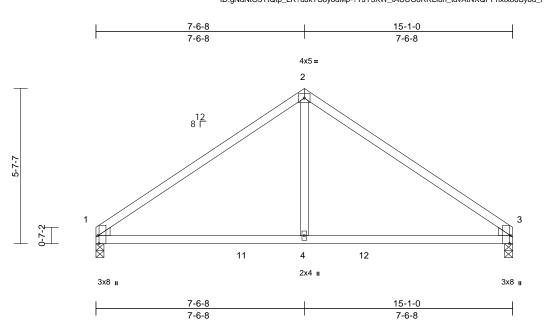


Plate Offsets (X, Y): [1:0-3-8,Edge], [3:0-3-8,Edge]

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)	-0.10	4-10	>999	240	MT20	244/190
Snow (Pf/Pg)	13.9/20.0	Lumber DOL	1.15	BC	0.61	Vert(CT)	-0.18	4-10	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.03	1	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MSH								
BCDL	10.0				-						Weight: 59 lb	FT = 20%
LUMBER			4) * This truss	has been designe	ed for a liv	e load of 20.	0psf					
TOP CHORD	2x4 SP No.2			om chord in all are								
BOT CHORD	2x4 SP No.2			by 2-00-00 wide w								
NEBS	2x4 SP No.3		chord and	any other members	s, with BC	DL = 10.0ps	f.					
NEDGE	Left: 2x4 SP No.3		LOAD CASE(S) Standard								
	Right: 2x4 SP No.3											
BRACING												
TOP CHORD	Structural wood she 3-11-6 oc purlins.	athing directly applie	ed or									
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 o	-									
	bracing.		5									
REACTIONS	5	3=0-3-8										
	Max Horiz 1=-99 (LC											
	Max Grav 1=621 (LC	C 24), 3=621 (LC 25)									
FORCES	(lb) - Maximum Com	pression/Maximum										
	Tension											
TOP CHORD	1-2=-762/153, 2-3=-	762/153										
BOT CHORD	1-11=-82/572, 4-11= 3-12=-8/572	=-8/572, 4-12=-8/572	2,									
NEBS	2-4=0/347											
NOTES											mm	uni,
 Unbalance this design 	d roof live loads have	been considered fo	r								"TH C	ARO
0	E 7-10; Vult=130mph	(3-second gust)							/	S	OVEES	North States
	mph; TCDL=6.0psf; B								4	Ex	1D	1 in the
Cat. II; Exp	B; Enclosed; MWFR	S (envelope) and C-	С						4			
) zone; cantilever left a		end						-		0.5	. : =
	t and right exposed;C-										SEA	AL : =
	WFRS for reactions s	hown; Lumber							Ξ.		0363	222 E
	plate grip DOL=1.33										. 0500	· · · · · · · · · · · · · · · · · · ·
	CE 7-10; Pr=20.0 psf (er						-	-		1 2 3
	Plate DOL=1.15); Pg=		F							2.	N. En	-Rik S
	13.9 psf (flat roof snov =1.15); Category II; E		5							35	A. GIN	IEF AN
Ct=1.10		~p D, i uliy L∧p.,							11111	1	C A	BEIN
0(=1.10											A. (312
												IIII.
											Augu	st 12,2020

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Job	Truss	Truss Type	Qty	Ply	KMB- 1 OAK GROVE CHURCH RD	
20070146	B02	Common Supported Gable	1	1	Job Reference (optional)	E14731410

Loading

TCDL

BCLL

BCDL

LUMBER

OTHERS

WEDGE

BRACING

TOP CHORD

BOT CHORD

FORCES

TOP CHORD

BOT CHORD

REACTIONS (size)

BOT CHORD

2x4 SP No.2

2x4 SP No.3

Left: 2x4 SP No.3

6-0-0 oc purlins.

bracing.

Tension

10-11=0/34

Right: 2x4 SP No.3

Structural wood sheathing directly applied or

2=15-1-0, 10=15-1-0, 12=15-1-0,

13=15-1-0, 14=15-1-0, 15=15-1-0,

16=15-1-0, 17=15-1-0, 18=15-1-0,

12=-38 (LC 14), 13=-28 (LC 14), 14=-30 (LC 14), 16=-31 (LC 13), 17=-27 (LC 13), 18=-42 (LC 13),

19=-25 (LC 9), 23=-1 (LC 10)

12=145 (LC 26), 13=163 (LC 26),

14=167 (LC 26), 15=131 (LC 28),

16=168 (LC 25), 17=162 (LC 25),

18=151 (LC 25), 19=127 (LC 26),

Rigid ceiling directly applied or 10-0-0 oc

19=15-1-0, 23=15-1-0

Max Horiz 2=-107 (LC 11), 19=-107 (LC 11)

Max Uplift 2=-25 (LC 9), 10=-1 (LC 10),

Max Grav 2=127 (LC 26), 10=121 (LC 2),

23=121 (LC 2)

1-2=0/34, 2-3=-89/79, 3-4=-83/61,

12-13=-57/92, 10-12=-57/92

(lb) - Maximum Compression/Maximum

4-5=-76/65, 5-6=-116/122, 6-7=-116/122,

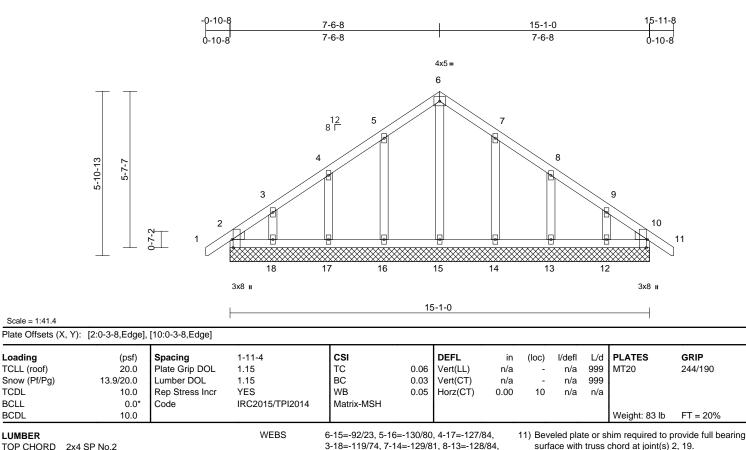
2-18=-57/92, 17-18=-57/92, 16-17=-57/92,

15-16=-57/92, 14-15=-57/92, 13-14=-57/92,

7-8=-67/65, 8-9=-56/28, 9-10=-59/57,

Run: 8.41 S May 22 2020 Print: 8.410 S May 22 2020 MiTek Industries, Inc. Wed Aug 12 10:29:12 ID:zjY0Lo8xDZmqKQTLXHMBEcyodMi-?TJY3XW_tAUUGoRRLI8h_td46tWkQRshxtx86Syod_r

Page: 1

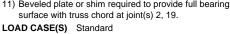


NOTES

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

9-12=-119/75

- 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
- 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.
- 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 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- 5) 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.
- All plates are 2x4 MT20 unless otherwise indicated. 6)
- Gable requires continuous bottom chord bearing. 7)
- 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) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 10, 16, 17, 18, 14, 13, and 12. This connection is for uplift only and does not consider lateral forces.





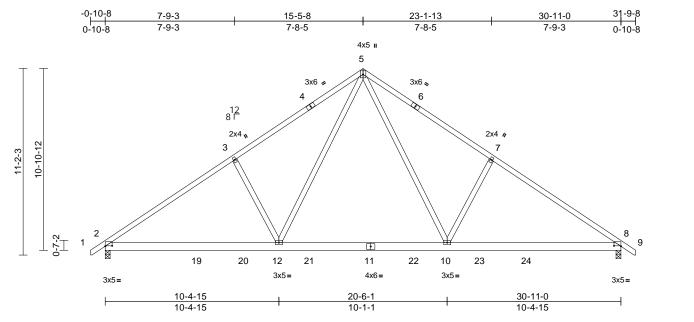
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Job	Truss	Ss Truss Type Qty Ply KMB- 1 OAK GROVE CHURCH RD		KMB- 1 OAK GROVE CHURCH RD		
20070146	C01	Common	5	1	Job Reference (optional)	E14731411

Run: 8.41 S May 22 2020 Print: 8.410 S May 22 2020 MiTek Industries, Inc. Wed Aug 12 10:29:12 ID:wNCCKHNrIP976LQ?8nCeVdyodMP-?TJY3XW_tAUUGoRRLI8h_tdtQtN6QMChxtx86Syod_r

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Scale = 1:69.1 Plate Offsets (X, Y): [2:0-5-0,0-0-5], [8:0-5-0,0-0-5]

Plate Offsets (X, Y): [2:0-5-0,0-0-5],	[8:0-5-0,0-0-5]										-	
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	0.87 0.58 0.35	DEFL Vert(LL) Vert(CT) Horz(CT)		(loc) 10-12 10-12 8	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 181 lb	GRIP 244/190 FT = 20%
	2x6 SP No.2 2x4 SP No.2 Structural wood shea Rigid ceiling directly bracing. (size) 2=0-3-8, 8 Max Horiz 2=215 (LC	applied or 10-0-0 oc 3=0-3-8 C 12)	.d. 4)	DOL=1.15 Pl snow); Pf=13 Plate DOL=1 Ct=1.10 This truss ha load of 12.0 p overhangs no * This truss h on the bottom 3-06-00 tall b	7-10; Pr=20.0 psf ate DOL=1.15); Pg .9 psf (flat roof sno .15); Category II; E s been designed fo psf or 2.00 times fla pn-concurrent with as been designed n chord in all areas y 2-00-00 wide wil	g=20.0 p ow: Lum Exp B; F or greate at roof le other liv for a liv s where I fit betw	esf (ground ber DOL=1.1 ully Exp.; er of min roof bad of 13.9 p re loads. e load of 20.0 a rectangle reen the bott	15 f live sf on 0psf om					
FORCES	Max Grav 2=1362 (L (lb) - Maximum Com		,	chord and an AD CASE(S)	y other members, Standard	with BC	DL = 10.0ps	f.					
TOP CHORD	Tension 1-2=0/35, 2-3=-1897 4-5=-1616/415, 5-6= 6-7=-1744/391, 7-8=	-1616/415,	I,		Clandara								
BOT CHORD	2-19=-144/1638, 19- 12-20=-144/1638, 12 11-21=0/1061, 11-22 10-23=-145/1490, 23 8-24=-145/1490	20=-144/1638, 2-21=0/1061, 2=0/1061, 10-22=0/1											10
WEBS	5-12=-146/869, 3-12	,									10	TH CA	RO
this design 2) Wind: ASC Vasd=103 Cat. II; Ex Exterior (2 vertical lef forces & M	5-10=-146/869, 7-10 ed roof live loads have h. CE 7-10; Vult=130mph imph; TCDL=6.0psf; B0 p B; Enclosed; MWFR 2) zone; cantilever left a t and right exposed;C- IWFRS for reactions sl plate grip DOL=1.33	been considered for (3-second gust) CDL=6.0psf; h=25ft; S (envelope) and C-1 and right exposed ; e C for members and	С							Manine .		A D	22

A. GILBERT

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Job	Truss	uss Truss Type Qty Ply KMB- 1 OAK GROVE CHURCH		KMB- 1 OAK GROVE CHURCH RD		
20070146	C02	Common	1	1	Job Reference (optional)	E14731412

11-2-3

Scale = 1:66.9 Loading

TCLL (roof)

TCDL

BCLL

BCDL

LUMBER

OTHERS

BRACING

TOP CHORD

BOT CHORD

WEBS

TOP CHORD

BOT CHORD

Snow (Pf/Pg)

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Page: 1 ID:1QYzCMxKgr4SFZW1P8YfvXyodLg-TgsxGtXceUdLty0ev?fwW5AFpGsp9sIrAXhhfuyod_q -0-10-8 31-9-8 15-5-8 30-11-0 0-10-8 15-5-8 15-5-8 0-10-8 4x5= 11 3x5 🍫 3x5 💊 10 12 9 13 8 14 12 8 Г 7 15 6 16 10-10-1 X X M 5 17 18 19 20 0-7-2 21 ***** 37 36 35 34 33 32 31 3029 28 27 26 25 24 23 22 3x5= 4x6= 3x5 =30-11-0 2-0-0 CSI DEFL L/d PLATES GRIP (psf) Spacing in (loc) l/defl 20.0 Plate Grip DOL 1.15 TC 0.06 Vert(LL) n/a 999 MT20 244/190 n/a BC 13 9/20 0 Lumber DOL 1 15 0.04 Vert(CT) n/a n/a 999 10.0 Rep Stress Incr YES WB Horz(CT) 0.00 20 0.14 n/a n/a 0.0 Code IRC2015/TPI2014 Matrix-MSH 10.0 Weight: 247 lb FT = 20%Max Grav 2=158 (LC 26), 20=130 (LC 28), 1) Unbalanced roof live loads have been considered for 22=150 (LC 26), 23=170 (LC 26), this design. 2x4 SP No.2 2x6 SP No.2 24=165 (LC 26), 25=166 (LC 26), Wind: ASCE 7-10; Vult=130mph (3-second gust) 2) 26=166 (LC 26), 27=166 (LC 26), Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; 2x4 SP No.3 *Except* 28=171 (LC 26), 30=162 (LC 28), Cat. II: Exp B: Enclosed: MWFRS (envelope) and C-C 30-11,31-10,32-8,33-7,28-12,27-14,26-15:2x 31=173 (LC 25), 32=165 (LC 25), Exterior (2) zone; cantilever left and right exposed ; end 4 SP No.2 33=167 (LC 25), 34=166 (LC 25), vertical left and right exposed;C-C for members and 35=166 (LC 25), 36=168 (LC 25), forces & MWFRS for reactions shown; Lumber Structural wood sheathing directly applied or 37=157 (LC 25), 38=158 (LC 26), DOL=1.60 plate grip DOL=1.33 6-0-0 oc purlins. 42=130 (LC 28) Truss designed for wind loads in the plane of the truss Rigid ceiling directly applied or 10-0-0 oc FORCES only. For studs exposed to wind (normal to the face), (lb) - Maximum Compression/Maximum bracing. see Standard Industry Gable End Details as applicable, Tension 1 Row at midpt 11-30, 10-31, 12-28 TOP CHORD or consult qualified building designer as per ANSI/TPI 1. 1-2=0/35, 2-3=-195/160, 3-4=-171/144, **REACTIONS** (size) 2=30-11-0, 20=30-11-0, TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber 4) 4-5=-140/124, 5-6=-118/105, 6-7=-108/97 22=30-11-0, 23=30-11-0, DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground 7-8=-107/113, 8-9=-158/166, 9-10=-146/174, 24=30-11-0, 25=30-11-0, snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 10-11=-203/227, 11-12=-203/227, 26=30-11-0, 27=30-11-0, Plate DOL=1.15); Category II; Exp B; Fully Exp.; 12-13=-146/174, 13-14=-158/166, 28=30-11-0, 30=30-11-0, Ct=1 10 14-15=-107/113, 15-16=-67/55 31=30-11-0, 32=30-11-0, This truss has been designed for greater of min roof live 16-17=-76/49, 17-18=-88/68, 5) 33=30-11-0, 34=30-11-0, load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on 18-19=-138/117, 19-20=-186/160, 35=30-11-0, 36=30-11-0, 20-21=0/35 overhangs non-concurrent with other live loads 37=30-11-0, 38=30-11-0, BOT CHORD 2-37=-145/197, 36-37=-145/197, All plates are 2x4 MT20 unless otherwise indicated. 42=30-11-0 35-36=-145/197, 34-35=-145/197, 7) Gable requires continuous bottom chord bearing. Max Horiz 2=215 (LC 12), 38=215 (LC 12) ORTH 33-34=-145/197, 32-33=-145/197, Max Uplift 2=-53 (LC 9), 20=-17 (LC 10), CA 31-32=-145/197, 30-31=-145/197, 22=-50 (LC 14), 23=-26 (LC 14) 29-30=-145/197, 28-29=-145/197, 24=-31 (LC 14), 25=-29 (LC 14), 27-28=-145/197, 26-27=-145/197, 26=-29 (LC 14), 27=-33 (LC 14), 25-26=-145/197, 24-25=-145/197, 28=-24 (LC 14), 31=-26 (LC 13), 23-24=-145/197, 22-23=-145/197, or a state of the 32=-32 (LC 13), 33=-29 (LC 13), 20-22=-145/197 34=-29 (LC 13), 35=-31 (LC 13), SEAL WFBS 11-30=-188/110. 10-31=-133/72. 36=-26 (LC 13), 37=-54 (LC 13), 036322 8-32=-131/86.7-33=-127/81.6-34=-128/81. 38=-53 (LC 9), 42=-17 (LC 10) 5-35=-127/81, 4-36=-131/83, 3-37=-116/74, 12-28=-131/72, 14-27=-131/86, 15-26=-127/81, 16-25=-128/81, 17-24=-127/81, 18-23=-131/83, 19-22=-116/74 G NOTES 11111111 August 12,2020

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VIIIIIIIIIII

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WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. WARNING - Verify design parameters and READ NOTES ON THIS AND INCLODED MITER REFERENCE FACE INTERVIEW OF A list of the control fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Qu** Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

Job	Truss	Truss Type Qty Ply KMB- 1 OAK GROVE CHURCH RD		KMB- 1 OAK GROVE CHURCH RD		
20070146	C02	Common	1	1	Job Reference (optional)	E14731412

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.
- 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, 22, and 20. This connection is for uplift only and does not consider lateral forces.

LOAD CASE(S) Standard

Run: 8.41 S May 22 2020 Print: 8.410 S May 22 2020 MiTek Industries, Inc. Wed Aug 12 10:29:13 ID:1QYzCMxKgr4SFZW1P8YfvXyodLg-TgsxGtXceUdLty0ev?fwW5AFpGsp9sIrAXhhfuyod_q Page: 2

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