Job	Truss	Truss Type	Qty	Ply		
19110027-B	F01	Floor	7	1	E Job Reference (optional)	E13785140

Run: 8.32 S Oct 29 2019 Print: 8.320 S Oct 29 2019 MiTek Industries, Inc. Wed Nov 20 12:42:25 ID:SDEzg4cMoI9M9GBGtpj1FeyHM9S-9RHfprm_iDHMHj9Qz1_xTXHOX74Xy5CWtNVhNkyHHhk

Page: 1



Scale = 1:39.5

Plate Offsets (X, Y): [19:0-1-8,Edge], [20:0-1-8,Edge], [24:Edge,0-1-8]

Fiale Olisels ((A, T). [19.0-1-8,Edge	j, [20.0-1-6,Eugej, [4	24.Euge,0-	1-0]										
Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	l /d	PLATES	GRIP	
TCU	40.0	Plate Grip DOI	1 00		тс	0.84	Vert(LL)	-0.51	19-20	>509	360	MT20HS	187/143	
TCDL	10.0	Lumber DOL	1.00		BC	0.99	Vert(CT)	-0.70	19-20	>371	240	MT20	244/190	
BCLL	0.0	Rep Stress Incr	YES		WB	0.64	Horz(CT)	0.11	14	n/a	n/a	-		
BCDL	5.0	Code	IRC2015	5/TPI2014	Matrix-SH			-				Weight: 112 lb	FT = 20%F, 1	1%E
		-	6)	Recommend	2x6 strongbacks	on edge	snaced at							
	2v4 SP No 2(flat)		0)	10-00-00 oc	and fastened to e	ach truss	with 3-10d							
BOT CHORD	2x4 SP No 1(flat)			(0.131" X 3")	nails. Strongbac	ks to be	attached to v	valls						
WEBS	2x4 SP No 3(flat)			at their outer	ends or restraine	d by othe	er means.							
OTHERS	2x4 SP No 3(flat)		7)	CAUTION, D	o not erect truss	backward	ds.							
BRACING			ĹĊ	AD CASE(S)	Standard									
TOP CHORD	Structural wood she	athing directly applie	ed or	(-)										
	2-2-0 oc purlins, ex	cept end verticals.												
BOT CHORD	Rigid ceiling directly bracing.	applied or 2-2-0 oc												
REACTIONS	(lb/size) 14=1189/	0-3-8, 24=1195/0-3-	·8											
FORCES	(lb) - Maximum Com Tension	pression/Maximum												
TOP CHORD	1-24=-37/0, 14-25=-	37/0, 13-25=-37/0,												
	1-2=0/0, 2-3=-2207/	0, 3-4=-3810/0,												
	4-5=-4837/0, 5-6=-4	837/0, 6-7=-5341/0,												
	7-8=-5341/0, 8-9=-5	341/0, 9-10=-4856/0),											
	10-11=-3843/0, 11-1	2=-2254/0, 12-13=-	2/0											
BOT CHORD	23-24=0/1244, 22-23	3=0/3140, 21-22=0/4	4456,											
	20-21=0/5192, 19-20	0=0/5341, 18-19=0/	5203,											
	17-18=0/4482, 16-1	7=0/4482, 15-16=0/3	3180,											
WERE	14-10=0/1298	- 1601/0 12 15-0/	1220										in in the	
WEDS	2-23-0/1339 11-15-	1289/0 3-23120	1329, 08/0									"TH	CARO"	1,
	11-16=0/922 3-22=0	1203/0, 3-23123 0/932 10-16889/0)									N'R'		14
	4-22=-898/0, 10-18=	=0/521, 4-21=0/530.	<i>'</i> ,									N'O'.FE	SCIENT	Vi
	9-18=-499/0, 6-21=-	506/0. 9-19=-232/57	73.								6	1 AP	110	
	6-20=-221/583, 7-20	=-265/60, 8-19=-26	1/64								3	.00	7	1
NOTES											=	: 0	SEAL	1 =
1) Unbalance	ed floor live loads have	been considered fo	or								=			- ; =
this desigr	n.										Ξ	03	36322	÷ E
2) All plates	are MT20 plates unles	s otherwise indicate	d.								Ξ	1. A.		4 E
All plates	are 3x5 MT20 unless c	otherwise indicated.									-		0.1	1 2
4) All bearing	gs are assumed to be S	SP No.1 crushing										2. 0. SNI	SINEEK	AS
capacity o	of 565 psi.											12/2/0	11115	1.1
5) This truss	is designed in accorda	ance with the 2015										IL A	GILBE	11
Internation	hai Residential Code se	ections R502.11.1 a	na									1111	· Unin	A
R802.10.2	and referenced stand	aru ANSI/TPT1.										Novombo	r 20 2010	
												novembe	120,2019	



Job	Truss	Truss Type	Qty	Ply		
19110027-B	F02	Floor Supported Gable	1	1	E13 Job Reference (optional)	3785141

Run: 8.32 S Oct 29 2019 Print: 8.320 S Oct 29 2019 MiTek Industries, Inc. Wed Nov 20 12:42:28 ID:SDEzg4cMol9M9GBGtpj1FeyHM9S-VP4XsYq7XlvfNU1Nmaa6Ab_R580zdVvF1fDS2yyHHhf

Page: 1



Scale = 1:27.1

Plate Offsets (X, Y): [6:0-1-8,Edge], [18:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00		тс	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00		BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES		WB	0.03	Horiz(TL)	0.00	18	n/a	n/a		
BCDL	5.0	Code	IRC2015/T	PI2014	Matrix-SH							Weight: 66 lb	FT = 20%F, 11%E
	2x4 SP No 2(flat)		6) C tr	One RT7A U russ to beari	SP connectors re ng walls due to U	commend PLIFT at	ded to conned it(s) 13. This	ct					
BOT CHORD	2x4 SP No 2(flat)		с	onnection is	for uplift only and	d does no	t consider lat	eral					
WEBS	2x4 SP No.3(flat)		fo	orces.									
OTHERS	2x4 SP No.3(flat)		7) T	his truss is o	designed in accor	dance wi	th the 2015						
BRACING			Ir	nternational	Residential Code	sections	R502.11.1 a	nd					
TOP CHORD	Structural wood she 6-0-0 oc purlins, ex	eathing directly applie ccept end verticals.	edor R 8)R	R802.10.2 ar Recommend	nd referenced star 2x6 strongbacks,	ndard AN , on edge	SI/TPI 1. , spaced at						
BOT CHORD	Rigid ceiling directly bracing.	applied or 6-0-0 oc	1 ((0-00-00 oc a 0.131" X 3")	and fastened to ea nails. Strongbac	ach truss ks to be a	with 3-10d attached to wa	alls					
REACTIONS	(lb/size) 13=-2/13- 15=152/1 17=147/1 19=145/1 21=147/1 23=152/1	-11-8, 14=120/13-11- 3-11-8, 16=145/13-1 3-11-8, 18=149/13-1 3-11-8, 20=147/13-1 3-11-8, 22=146/13-1 3-11-8, 24=49/13-11	-8, LOAI 1-8, 1-8, 1-8, 1-8, -8	D CASE(S)	Standard	a by 6416							
	Max Uplift 13=-2 (LC	C 1)											
FORCES	(lb) - Maximum Con Tension	npression/Maximum											
TOP CHORD	24-25=-44/0, 1-25=- 12-26=0/3, 1-2=-2/0 4-5=-2/0, 5-6=-2/0, 1 8-9=0/0, 9-10=0/0, 2	-44/0, 13-26=0/3, 0, 2-3=-2/0, 3-4=-2/0, 6-7=0/0, 7-8=0/0, 10-11=0/0, 11-12=0/0)									min	
BOT CHORD	23-24=0/2, 22-23=0 19-20=0/2, 18-19=0 15-16=0/0, 14-15=0	//2, 21-22=0/2, 20-21 //2, 17-18=0/0, 16-17 //0, 13-14=0/0	=0/2, =0/0,									NI ORTH	CARO III
WEBS	2-23=-138/0, 3-22= 5-20=-133/0, 6-19=- 8-17=-134/0, 9-16=- 11-14=-109/0, 6-18=	-133/0, 4-21=-134/0, -131/0, 7-18=-133/0, -132/0, 10-15=-138/0 =-3/0	l,								Marine Marine		SEAL
NOTES	,											03	36322
1) All plates a	are 1.5x3 MT20 unles	s otherwise indicated	l.								=		1 3
2) Gable req	uires continuous botto	m chord bearing.											2 / E
 Truss to b braced ad 	e fully sheathed from a ainst lateral movement	one face or securely it (i.e. diagonal web).										TO SNO	GINEER
 Gable stud 	ds spaced at 1-4-0 oc.											U.C.	BEIN
 All bearing capacity o 	gs are assumed to be f 565 psi.	SP No.2 crushing										in A	. GILL



Job	Truss	Truss Type	Qty	Ply		
19110027-B	F03	Floor	10	1	Job Reference (optional)	E13785142







13-11-8

Scale =	1:27.8
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Plate Offsets (X, Y): [5:0-1-8,Edge], [13:0-1-8,Edge]

													-
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.63	Vert(LL)	-0.14	11-12	>999	360	MT20	244/190	
	10.0	Lumber DOL Bon Stross Incr	1.00 VES		0.77		-0.18	11-12	>892	240 p/o			
BCDI	5.0	Code	IRC2015/TPI2014	Matrix-SH	0.34	11012(01)	0.03	9	n/a	n/a	Weight [,] 72 lb	FT - 20%F 11%F	
BODE	0.0	oode	11(02010/11/2014								Weight. 72 lb	11 = 20701, 1170E	-
LUMBER													
TOP CHORD	2x4 SP No.2(flat)												
BOT CHORD	2x4 SP No.1(flat)												
WEBS	2x4 SP No.3(flat)												
OTHERS	2x4 SP No.3(flat)												
	Other strengthere and all strengthere	a da baran alƙara a da sa ara a ƙ											
TOP CHORD	Structural wood shea	athing directly applie	ed or										
	Rigid ceiling directly	applied or 10-0-0 o	c										
	bracing.		•										
REACTIONS	(lb/size) 9=748/0-3	8-8, 15=748/0-3-8											
FORCES	(lb) - Maximum Com	pression/Maximum											
	Tension												
TOP CHORD	15-16=-34/0, 1-16=-3	34/0, 9-17=-42/0,											
	8-17=-42/0, 1-2=-2/0), 2-3=-1285/0,											
	3-4=-2093/0, 4-5=-20	093/0, 5-6=-1971/0,											
	6 - 7 = -1301/0, 7 - 8 = -2/	0/1765 12 12 0/2	002										
BOT CHORD	14-15=0/799, 13-14=	=0/1705, 12-13=0/20	093, 93										
WEBS	7-9=-1053/0 2-15=-1	1062/0 7-10=0/706	55										
112BO	2-14=0/675. 6-10=-6	72/0. 3-14=-667/0.	,										
	6-11=0/333, 3-13=0/	607, 5-11=-362/38,											
	4-13=-265/0, 5-12=-1	159/72									and the second s	CAD	
NOTES											"TH	UARO	
1) Unbalance	ed floor live loads have	been considered for	or								N 01.1	SSAN	_
this design	1.											THAT	2
All plates a	are 3x5 MT20 unless o	therwise indicated.								1	1 cm	100. 4	1
 All bearing 	is are assumed to be S	SP No.1 crushing								1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1
capacity of	i 565 psi.	man with the 2015								-		SEAL :	=
 I his truss 	is designed in accorda	Ince with the 2015	and								01	36322	Ξ.
R802 10 2	and referenced stand	ard ANSI/TPI 1	IIU							-	:	: :	5
5) Recomme	nd 2x6 strongbacks. or	n edge, spaced at										1 3	3
10-00-00 c	oc and fastened to eac	h truss with 3-10d								0	- A. EN	- cRi'N S	
(0.131" X 3	3") nails. Strongbacks	to be attached to w	alls								A A	JINE AN	
at their out	ter ends or restrained b	by other means.									ILC A	CILBENN	
LOAD CASE(S) Standard										1111	. GILIN	
-											201	THURS	

November 20,2019



Job	Truss	Truss Type	Qty	Ply		
19110027-B	F04	Floor	3	1	Job Reference (optional)	E13785143

Run: 8.32 S Oct 29 2019 Print: 8.320 S Oct 29 2019 MiTek Industries, Inc. Wed Nov 20 12:42:29 ID:wPoMtQc_YbHDnQmTRWEGnryHM9R-zbew3uqll31W?ecZKH5LjoWSCY9kMrwOGJy?bOyHHhe

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Scale = 1:48.6

Plate Offsets ()	X, Y): [14:0-1-8,Edge],	[22:0-1-8,Edge], [2	9:0-1-8,E	dge], [30:0-1-8,	Edge]									
Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00		тс	0.76	Vert(LL)	-0.12	21	>999	360	MT20	244/190	
TCDL	10.0	Lumber DOL	1.00		BC	0.87	Vert(CT)	-0.17	20-21	>999	240	-		
BCLL	0.0	Rep Stress Incr	YES		WB	0.49	Horz(CT)	0.03	18	n/a	n/a			
BCDL	5.0	Code	IRC201	5/TPI2014	Matrix-SH				-			Weight: 145 lb	FT = 20%F, 11%E	
LUMBER			N	OTES										
TOP CHORD	2x4 SP No.2(flat)		1	Unbalanced	loor live loads have	e been	considered fo	or						
BOT CHORD	2x4 SP No.2(flat)			this design.										
WEBS	2x4 SP No.3(flat)		2)	All plates are	3x5 MT20 unless	otherwi	se indicated.							
OTHERS	2x4 SP No.3(flat)		3	All bearings a	are assumed to be	SP No.	2 crushing							
BRACING				capacity of 5	65 psi.									
TOP CHORD	Structural wood sheat	hing directly applied	dor 4	This truss is	designed in accord	ance w	th the 2015							
	6-0-0 oc purlins, exce	ept end verticals.		International	Residential Code s	ections	R502.11.1 a	nd						
BOT CHORD	Rigid ceiling directly a	pplied or 6-0-0 oc		R802.10.2 ar	nd referenced stand	dard AN	SI/TPI 1.							
	bracing.		5)	Recommend	2x6 strongbacks, c	on edge	, spaced at							
REACTIONS	(lb/size) 18=724/0-3-	-8, 26=1823/0-3-8,		10-00-00 oc	and fastened to eac	ch truss	with 3-10d							
	32=485/0-3-	-8		(0.131" X 3")	nails. Strongbacks	s to be a	attached to wa	alls						
	Max Grav 18=752 (LC	4), 26=1823 (LC 1	I), a	at their outer	ends or restrained	by othe	r means.							
	32=571 (LC	3)	6	CAUTION, D	o not erect truss ba	ackward	IS.							
FORCES	(lb) - Maximum Compr	ression/Maximum	L	OAD CASE(S)	Standard									
	Tension													
TOP CHORD	32-33=-38/0, 1-33=-38	3/0, 18-34=-42/0,												
	17-34=-42/0, 1-2=-2/0	, 2-3=-920/0,												
	3-4=-1204/214, 4-5=-1	1204/214,												
	5-6=-1204/214, 6-7=-4	432/738, 7-8=0/169	2,											
	8-9=0/1692, 9-10=-434	4/273, 10-11=-434/	/273,											
	11-12=-1535/0, 12-13=	=-2147/0,											111111	
	13-14=-2147/0, 14-15=	=-1990/0,										united.	CAD	
	15-16=-1311/0, 16-17=	=-2/0										11211		
BOLCHORD	31-32=0/601, 30-31=-	32/1192,									/	NOW	8512 11	5
	29-30=-214/1204, 28-2	29=-494/898,	/0								1	1 All	1000	Ŋ
	21-28=-980/0, 20-21=-	-980/0, 25-26=-641 4_ 57/1124	/0,								1			3
	24-25=-57/1124, 23-24	4=-37/1124, -0/2147_20_21_0/2	147								-			-
	10-20-0/1705 18-10-	-0/2147, 20-21=0/2	147,								=	: 5	SEAL :	1
WEBS	8-2698/0 7-26115	57/0 2-32798/0									1	: 03	62222	
WEBO	7-28=0/771 2-31=-7/4	143 6-28=-787/0									1	. 03	50322	
	3-31=-378/87. 6-29=0/	/717. 3-30=-320/17									-			-
	4-30=-40/112, 5-29=-3	337/0. 9-26=-1399/0	, 0.									A.A.	air	3
	16-18=-1062/0, 9-25=0	0/1038, 16-19=0/71	-, 11,									2 50 SNO	SINEE	
	11-25=-1002/0, 15-19=	=-673/0, 11-23=0/6	s13,									1710	THE SEALS	
	15-20=0/280, 12-23=-0	600/0, 14-20=-290/	/88,									IL A	GILD	

November 20,2019

ENGINEERING BY EREPACIO A MITek Attiliate 818 Soundside Road Edenton, NC 27932

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 ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component
	Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

Job	Truss	Truss Type	Qty	Ply		
19110027-B	F05	Floor	1	1	Job Reference (optional)	E13785144

Run: 8.32 S Oct 29 2019 Print: 8.320 S Oct 29 2019 MiTek Industries, Inc. Wed Nov 20 12:42:30 ID:wPoMtQc_YbHDnQmTRWEGnryHM9R-RnCIHErO3M9NcoBmu?caG03iUyZy5LIYUziZ7qyHHhd Page: 1



12-3-8

Scale = 1:27.8

Plate Offsets (X, Y): [11:0-1-8,Edge], [12:0-1-8,Edge]

Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.00 NO IRC2015/TPI2014	CSI TC BC WB Matrix-SH	0.41 0.55 0.26	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.07 -0.09 0.02	(loc) 12-13 12-13 9	l/defl >999 >999 n/a	L/d 360 240 n/a	PLATES MT20 Weight: 65 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood shee	athing directly applie	ed or									
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 or	C									
REACTIONS	(lb/size) 9=656/0-3	-8, 14=656/0-3-8										
FORCES	(lb) - Maximum Com	pression/Maximum										
TOP CHORD	14-15=-35/0, 1-15=-3 8-16=-35/0, 1-2=-2/0 3-4=-1627/0, 4-5=-10 6-7=-1097/0, 7-8=-2	35/0, 9-16=-35/0,), 2-3=-1097/0, 627/0, 5-6=-1627/0, /0										
BOT CHORD	13-14=0/697, 12-13= 10-11=0/1466, 9-10=	=0/1466, 11-12=0/10 =0/697	627,									
WEBS	7-9=-926/0, 2-14=-9 2-13=0/556, 6-10=-5 6-11=0/393, 3-12=0/ 5-11=-197/0	26/0, 7-10=0/556, 13/0, 3-13=-513/0, 393, 4-12=-197/0,										CAD
NOTES											I''ATH	CARO
 Unbalance this design All plates a 	ed floor live loads have n. are 3x5 MT20 unless o	been considered for therwise indicated.	pr							4		They
3) All bearing	s are assumed to be \$	SP No.2 crushing										
 4) This truss i Internation R802.10.2 	is designed in accorda al Residential Code se and referenced stand	nce with the 2015 ections R502.11.1 a ard ANSI/TPI 1.	nd							11111	0	36322
5) Recommen 10-00-00 c (0.131" X 3 at their out	nd 2x6 strongbacks, o oc and fastened to eac 3") nails. Strongbacks er ends or restrained l	n edge, spaced at h truss with 3-10d to be attached to w by other means.	alls								EN EN	GINEER. KUN
LOAD CASE(S	S) Standard										in A	. GILLIN



November 20,2019

Job	Truss	Truss Type	Qty	Ply		
19110027-B	F06	Floor	5	1	E1 Job Reference (optional)	13785145

Run: 8.32 S Oct 29 2019 Print: 8.320 S Oct 29 2019 MiTek Industries, Inc. Wed Nov 20 12:42:31 ID:wPoMtQc_YbHDnQmTRWEGnryHM9R-RnCIHErO3M9NcoBmu?caG03glySX5JXYUziZ7qyHHhd Page: 1



Scale = 1:30.1

Plate Offsets (X, Y): [4:0-1-8,Edge], [13:0-1-8,Edge]

Loading TCLL TCDL	(psf) 40.0 10.0	Spacing Plate Grip DOL Lumber DOL	2-0-0 1.00 1.00	CSI TC BC	0.52 0.96	DEFL Vert(LL) Vert(CT)	in -0.16 -0.23	(loc) 12-13 12-13	l/defl >999 >820	L/d 360 240	PLATES MT20	GRIP 244/190	
BCLL BCDL	0.0 5.0	Rep Stress Incr Code	YES IRC2015/TPI2014	WB Matrix-SH	0.41	Horz(CT)	0.05	10	n/a	n/a	Weight: 83 lb	FT = 20%F, 11%E	<u> </u>
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS FORCES	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood shea 6-0-0 oc purlins, exc Rigid ceiling directly bracing. (lb/size) 10=855/0- (lb) - Maximum Com	athing directly applic cept end verticals. applied or 2-2-0 oc ·3-8, 17=855/0-3-8 pression/Maximum	LOAD CASE(S)	Standard									
TOP CHORD	Tension 17-18=-40/0, 1-18=-4 9-19=-38/0, 1-2=-2/0 3-4=-2429/0, 4-5=-27 6-7=-2434/0, 7-8=-11	40/0, 10-19=-38/0,), 2-3=-1533/0, 759/0, 5-6=-2759/0, 532/0, 8-9=-2/0											
BOT CHORD	16-17=0/920, 15-16= 13-14=0/2759, 12-13 10-11=0/918	=0/2114, 14-15=0/27 3=0/2713, 11-12=0/2	759, 2119,										
WEBS	8-10=-1220/0, 2-17= 2-16=0/853, 7-11=-8 7-12=0/438, 3-15=0/ 4-15=-572/0, 6-13=-1 5-13=-155/34	-1222/0, 8-11=0/85. 17/0, 3-16=-808/0, 479, 6-12=-389/0, 188/365, 4-14=-84/1	64,								NU RTH	CARO	14
NOTES 1) Unbalance this design 2) All plates a 3) All bearing capacity of 4) This truss Internation R802.10.2 5) Recomme 10-00-00 c (0.131" X c at their out	ad floor live loads have are 3x5 MT20 unless o is are assumed to be S f 565 psi. is designed in accorda and referenced standa nd 2x6 strongbacks, on oc and fastened to eacl 3") nails. Strongbacks ter ends or restrained to	been considered for therwise indicated. SP No.2 crushing ance with the 2015 ections R502.11.1 a ard ANSI/TPI 1. n edge, spaced at h truss with 3-10d to be attached to w by other means.	r nd alls							Winnin	Novembe	SSICE SEAL SG322 SINEER GILBE	M. Annoning



Job	Truss	Truss Type	Qty	Ply		
19110027-B	F07	Floor Supported Gable	1	1	E1 Job Reference (optional)	13785146

Run: 8.32 S Oct 29 2019 Print: 8.320 S Oct 29 2019 MiTek Industries, Inc. Wed Nov 20 12:42:31 ID:wPoMtQc_YbHDnQmTRWEGnryHM9R-w_mgUas0qgHEEymyRi8poDcyNM1gqsehjdR6fGyHHhc

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Scale = 1:30.1

Plate Offsets (X, Y): [7:0-1-8,Edge], [21:0-1-8,Edge]

	, , , , , [, , , , , , , , , , , , , ,	[2:::0 : 0;2090]												
Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.00 YES IRC2015	5/TPI2014	CSI TC BC WB Matrix-SH	0.08 0.01 0.03	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 14	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 73 lb	GRIP 244/190 FT = 20%F, 11	%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing. (lb/size) 14=44/15 16=147/1 20=147/1 22=147/1 24=146/1 26=49/15	athing directly applie cept end verticals. applied or 10-0-0 oc -11-0, 15=146/15-11 5-11-0, 17=147/15-1 5-11-0, 19=147/15-1 5-11-0, 21=146/15-1 5-11-0, 23=147/15-1 5-11-0, 25=152/15-1	5) 6) 7) d or 5 LC -0, 1-0, 1-0, 1-0, 1-0, 1-0, 1-0,	All bearings a capacity of 5 This truss is International R802.10.2 ar Recommend 10-00-00 oc (0.131" X 3") at their outer DAD CASE(S)	are assumed to b 65 psi. designed in acco Residential Code dreferenced sta 2x6 strongbacks and fastened to e nails. Strongbac ends or restraine Standard	rdance wi e sections indard AN s, on edge aach truss cks to be a ed by othe	2 crushing th the 2015 R502.11.1 a SI/TPI 1. , spaced at with 3-10d attached to w r means.	nd alls						
FORCES	(lb) - Maximum Com	pression/Maximum												
TOP CHORD	Lension 26-27=-44/0, 1-27=- 13-28=-40/0, 1-2=-2, 4-5=-2/0, 5-6=-2/0, 6 8-9=-2/0, 9-10=-2/0, 12-13=-2/0	44/0, 14-28=-40/0, /0, 2-3=-2/0, 3-4=-2/0 }-7=-2/0, 7-8=-2/0, 10-11=-2/0, 11-12=-	0, -2/0,									NUM TH	CARO	1.
BOT CHORD	25-26=0/2, 24-25=0/ 21-22=0/2, 20-21=0/ 17-18=0/2, 16-17=0/	/2, 23-24=0/2, 22-23 /2, 19-20=0/2, 18-19= /2, 15-16=0/2, 14-15=	=0/2, =0/2, =0/2								4	PIOP		
WEBS	2-25=-138/0, 3-24=- 5-22=-133/0, 6-21=- 8-19=-133/0, 9-18=- 11-16=-134/0, 12-15	133/0, 4-23=-134/0, 133/0, 7-20=-134/0, 133/0, 10-17=-133/0 =-133/0, 7-21=0/0	,								VIIIII	0	SEAL	2
 All plates a Gable required Truss to be braced aga Gable study 	are 1.5x3 MT20 unless uires continuous bottor e fully sheathed from c ainst lateral movement ds spaced at 1-4-0 oc.	s otherwise indicated m chord bearing. one face or securely t (i.e. diagonal web).									110 ¹⁰	AND AND A	GINEER.	A MARINE STREET

November 20,2019

ENGINEERING BY AMITEK Affiliate 818 Soundside Road Edenton, NC 27932

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 Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

Job	Truss	Truss Type	Qty	Ply		
19110027-B	F08	Floor	3	1	Job Reference (optional)	E13785147

Run: 8.32 S Oct 29 2019 Print: 8.320 S Oct 29 2019 MiTek Industries, Inc. Wed Nov 20 12:42:32 ID:wPoMtQc_YbHDnQmTRWEGnryHM9R-OAK2iwteb_P5s5L8?Qf2LR82nlFHZGzryHBfBjyHHhb

Page: 1



Scale = 1:27.4

Plate Offsets (X, Y): [4:0-1-8,Edge], [10:0-1-8,Edge]

Loading TCLL TCDL BCLL	(psf) 40.0 10.0 0.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.00 1.00 YES	CSI TC BC WB	0.42 0.56 0.22	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.06 -0.07 0.01	(loc) 8-9 8-9 7	l/defl >999 >999 n/a	L/d 360 240 n/a	PLATES MT20	GRIP 244/190
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 47 lb	FT = 20%F, 11%E
LUMBER TOP CHORD	2x4 SP No.2(flat)											
BOT CHORD WEBS OTHERS	2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat)											
BRACING TOP CHORD	Structural wood shea 6-0-0 oc purlins, exc	athing directly applic cept end verticals.	ed or									
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 of	2									
REACTIONS	(lb/size) 7=457/0-3	8-8, 11=457/0-3-8										
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD	11-12=-61/0, 1-12=-6 6-13=-24/0, 1-2=-3/0 3-4=-776/0, 4-5=-66	61/0, 7-13=-24/0,), 2-3=-776/0, 1/0, 5-6=-1/0										
BOT CHORD	10-11=0/453, 9-10=0 7-8=0/484	0/776, 8-9=0/776,										
WEBS	5-7=-642/0, 2-11=-59 2-10=0/459, 4-8=-21 4-9=-105/16	99/0, 5-8=0/247, 0/0, 3-10=-218/0,										
 NOTES 1) Unbalance this design 2) All bearing capacity of 3) This truss 	ed floor live loads have n. gs are assumed to be S f 565 psi. is designed in accorda	been considered fo SP No.2 crushing unce with the 2015	r							L	LI ORTH	CAROLIN
Internation R802.10.2	al Residential Code se and referenced standa	ections R502.11.1 a ard ANSI/TPI 1.	nd							THE STREET		SEAL
 Recomme 10-00-00 c (0.131" X 3 at their out 	nd 2x6 strongbacks, or oc and fastened to eac 3") nails. Strongbacks ter ends or restrained b	n edge, spaced at h truss with 3-10d to be attached to w by other means.	alls							IIIII III	0	36322
LOAD CASE(S	S) Standard										STAR SNO	GILBERT



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Job	Truss	Truss Type	Qty	Ply		
19110027-B	F09	Floor Girder	1	1	E13 Job Reference (optional)	3785148

Run: 8.32 S Oct 29 2019 Print: 8.320 S Oct 29 2019 MiTek Industries. Inc. Wed Nov 20 12:42:33 ID:W8d3PvOFgfqlzUZ5F8HaUxyHM0h-sMuQvGtGMHXyTFwLZ7AHtehBS9UglcY_AxwDk9yHHha

Page: 1



Scale = 1:28.5

Plate Offsets (X, Y): [10:0-1-8,Edge], [12:0-1-8,0-0-8], [13:0-1-8,0-0-8]

Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.00 NO IRC2015/	TPI2014	CSI TC BC WB Matrix-SH	0.55 1.00 0.65	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.07 -0.09 0.02	(loc) 8-9 8-9 7	l/defl >999 >999 n/a	L/d 360 240 n/a	PLATES MT20 Weight: 58 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD FORCES TOP CHORD	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood shea 6-0-0 oc purlins, exc Rigid ceiling directly bracing. (lb/size) 7=1286/0- (lb) - Maximum Comp Tension 11-12=-208/0, 1-12= 6-13=-73/0, 1-2=-11/ 3-4=-2304/0, 4-5=-15	athing directly applie sept end verticals. applied or 10-0-0 or 3-8, 11=1286/0-3-8 pression/Maximum -207/0, 7-13=-73/0, 0, 2-3=-2304/0, 304/0, 5-6=-4/0	1) ed or	Dead + Flor Plate Increa Uniform Loa Vert: 7-1	or Live (balanced): ise=1.00 ids (lb/ft) I=-10, 1-6=-300 (F	Lumber =-200)	Increase=1.	00,					
BOT CHORD WEBS	10-11=0/1304, 9-10= 7-8=0/1448 5-7=-1880/0, 2-11=-1 2-10=0/1356, 4-8=-5 4-9=-86/0	=0/2304, 8-9=0/2304 1682/0, 5-8=0/626, 63/0, 3-10=-804/0,	1 ,										
NOTES 1) Unbalance this design 2) All bearing; capacity of 3) This truss i Internation: R802.10.2 4) Recommer 10-00-00 o (0.131" X 3 at their out 5) In the LOA of the truss LOAD CASE(S	d floor live loads have s are assumed to be S 565 psi. s designed in accorda al Residential Code se and referenced standa of 2x6 strongbacks, or c and fastened to eacl ") nails. Strongbacks er ends or restrained to D CASE(S) section, lo are noted as front (F) Standard	been considered fo SP No.2 crushing nce with the 2015 actions R502.11.1 at ard ANSI/TPI 1. h edge, spaced at h truss with 3-10d to be attached to w yo other means. ads applied to the fo or back (B).	r nd alls ace								Mannan Mar	Rent H	CARO SEAL B6322



November 20,2019

