

RE: J0920-4179 Lot 14 Sierra Villas Trenco 818 Soundside Rd Edenton, NC 27932

Site Information:

Customer: Project Name: J0920-4179 Lot/Block: Address: City:

Model: Subdivision: State:

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: IRC2015/TPI2014 Wind Code: N/A Roof Load: N/A psf Design Program: MiTek 20/20 8.3 Wind Speed: N/A mph Floor Load: 55.0 psf

This package includes 14 individual, dated Truss Design Drawings and 0 Additional Drawings.

No.	Seal#	Truss Name	Date
1	E14579176	ET1	9/18/2020
2	E14579177	ET2	9/18/2020
3	E14579178	ET3	9/18/2020
4	E14579179	ET4	9/18/2020
5	E14579180	ET5	9/18/2020
6	E14579181	ET6	9/18/2020
7	E14579182	F1	9/18/2020
8	E14579183	F1A	9/18/2020
9	E14579184	F2	9/18/2020
10	E14579185	F3	9/18/2020
11	E14579186	F3A	9/18/2020
12	E14579187	F4	9/18/2020
13	E14579188	F5	9/18/2020
14	E14579189	F6	9/18/2020

The truss drawing(s) referenced above have been prepared by

Truss Engineering Co. under my direct supervision

based on the parameters provided by Comtech, Inc - Fayetteville.

Truss Design Engineer's Name: Gilbert, Eric

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

North Carolina COA: C-0844

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 TRENCO. Any project specific information included is for TRENCO customers file reference purpose only, and was not taken into account in the preparation of these designs. TRENCO has not independently verified the applicability of the design parameters or the design 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	Lot 14 Sierra Villas		F14579176
J0920-4179	ET1	Floor Supported Gable	1	1	lob Reference (ontional)		LINGTON
Comtech, Inc, Fayettev	ille, NC - 28314,	ID:1GKH	IPptsUBRSV9	⊥ 8.330 s M)DyCFb7G	ay 6 2020 MiTek Industries, Ind mz8LdV-mfoc44yBEbf_?eTDb2	c. Thu Jul 2 10:30:35 ZJd_K4HtMpw4LYdOm	2020 Page 1 noQ0z07pY
0-1-8							0-1-8
							Scale = 1:18.6
1 2	21 3	$4 \frac{3x4}{5} = 5 22$	6		7 8	23	9
	•		•		•	0	20
	•		•		•	•	φ, φ
18 17	16	15 14	13		12 1	1	10
3x6 = 2	x6 2x6	2x6 3x6	2x6	11	2x6 2	2x6	3x6 =

			<u>11-3-0</u> 11-3-0		
Plate Offsets (X,Y)	[4:0-1-8,Edge]				
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING-2-0-0Plate Grip DOL1.00Lumber DOL1.00Rep Stress IncrYESCode IRC2015/TPI2014	CSI. TC 0.11 BC 0.00 WB 0.04 Matrix-S	DEFL. ir Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00	n (loc) l/defl L/d a - n/a 999 a - n/a 999) 10 n/a n/a	PLATES GRIP MT20 244/190 Weight: 67 lb FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF	2 No.1 (flat) 2 No.1 (flat) 2 No.3 (flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing dire except end verticals. Rigid ceiling directly applied or	ectly applied or 6-0-0 oc purlins, r 10-0-0 oc bracing.

REACTIONS. All bearings 11-3-0.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 18, 10, 17, 16, 15, 14, 13, 12, 11

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

NOTES-

OTHERS

1) All plates are 1.5x3 MT20 unless otherwise indicated.

2) Plates checked for a plus or minus 1 degree rotation about its center.

3) Gable requires continuous bottom chord bearing.

2x4 SP No.3(flat)

4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

5) Gable studs spaced at 1-4-0 oc.

6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 10-18=-10, 1-9=-100 Concentrated Loads (lb)

Vert: 4=-26 7=-26 21=-26 22=-26 23=-26





Job		Truss		-	Fruss Type			Qty	/	Ply	Lot 14 S	ierra Villa	as			E445	70477
J0920-4179		ET2		F	-loor Supporte	d Gable		1		1						E145	/91//
											Job Ref	erence (c	optional)				
Comtech, Inc,	Fayettev	rille, NC - 2	8314,				ID	1GKHPptsUE	BRSV9	8.330 s Ma DyCFb7G	ay 6202 mz8LdV-	0 MiTek i1wNVm	Industries, _SmCviEyo	Inc. Thu Jul 3 1cj_L53IAe9AU	2 10:30:37 2 JLYEEws4G	020 Page uVvz07p\	e 1 V
0-1 ₁ 8																0-1 _H	В
																Scale =	1:33.1
							3x4 =			3x6 F	-P =						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
																	36
34	33	32	31	30	29 2	8 27	26	25	24	2	3	22	21	20	19	18	
3x4 =					3x6 FP	=		3x4 =								3x4 =	=

L			19-11-0			
			19-11-0			
Plate Offsets (X,Y)	[8:0-1-8,Edge], [25:0-1-8,Edge]					
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.06 BC 0.01 WB 0.03 Matrix-S	DEFL.irVert(LL)n/aVert(CT)n/aHorz(CT)0.00	n (loc) l/defl L/d n - n/a 999 n - n/a 999 18 n/a n/a	PLATES MT20 Weight: 90 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SI BOT CHORD 2x4 SI WEBS 2x4 SI OTHERS 2x4 SI	P No.1(flat) P No.1(flat) P No.3(flat) P No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing dire except end verticals. Rigid ceiling directly applied or	ctly applied or 6-0-0 10-0-0 oc bracing.	oc purlins,

REACTIONS. All bearings 19-11-0.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 34, 18, 33, 32, 31, 30, 29, 27, 26, 25, 24, 23, 22, 21, 20, 19

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

NOTES-

1) All plates are 1.5x3 MT20 unless otherwise indicated.

2) Plates checked for a plus or minus 1 degree rotation about its center.

3) Gable requires continuous bottom chord bearing.

4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

5) Gable studs spaced at 1-4-0 oc.

6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.







1			7-9-12			1
			7-9-12			1
Plate Offsets (X,Y)-	[3:0-1-8,Edge], [11:0-1-8,Edge], [15:0-1	-8,0-1-8], [16:0-1-8,0-1-8]				
LOADING (psf) TCLL 40.0 TCDL 10.0 PCLL 0.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Bop Strees Ioar	CSI. TC 0.06 BC 0.01 WB 0.02	DEFL. ir Vert(LL) n/a Vert(CT) n/a	n (loc) l/defl L/d a - n/a 999 a - n/a 999	PLATES MT20	GRIP 244/190
BCDL 5.0	Code IRC2015/TPI2014	Matrix-P	1012(01) 0.00	, o n/a n/a	Weight: 39 lb	FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 BOT CHORD 2x4 WEBS 2x4 OTHERS 2x4	SP No.1(flat) SP No.1(flat) SP No.3(flat) SP No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing dire except end verticals. Rigid ceiling directly applied o	ectly applied or 6-0-0 or 10-0-0 oc bracing.	oc purlins,

REACTIONS. All bearings 7-9-12.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 14, 8, 13, 12, 11, 10, 9

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

NOTES-

1) All plates are 1.5x3 MT20 unless otherwise indicated.

2) Plates checked for a plus or minus 1 degree rotation about its center.

3) Gable requires continuous bottom chord bearing.

4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

5) Gable studs spaced at 1-4-0 oc.

6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.









2x4 SP No.3(flat) WFBS OTHERS 2x4 SP No.3(flat)

REACTIONS. All bearings 3-1-12.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 8, 5, 7, 6

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

NOTES-

1) Plates checked for a plus or minus 1 degree rotation about its center.

2) Gable requires continuous bottom chord bearing.

3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

4) Gable studs spaced at 1-4-0 oc.

5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

Strongbacks to be attached to walls at their outer ends or restrained by other means.

6) CAUTION, Do not erect truss backwards.





Job	Truss	Truss Type	Qty	Ply	Lot 14 Sierra Villas		E44570400
J0920-4179	ET5	Floor Supported Gable	1	1			E14579180
		· · · · · · · · · · · · · · · · · · ·			Job Reference (optional)		
Comtech, Inc, Fayette	ville, NC - 28314,		ID:1GKHPptsUBRSV9	8.330 s Ma DyCFb7Gi	ay 6 2020 MiTek Industries nz8LdV-eQ27wS?iHq9QU0	s, Inc. Thu Jul 2 10:30:39 2 Gn_qOOZ8AFzezAp08jDJO	020 Page 1 I?Znz07pU
0-1-8							0-1 <mark>1</mark> 8
							Scale = 1:27.6
		3x4	=	3x6	FP =		
1 2	3 4	5 6 7	8 9) 10	11 12	13 14	15
				•		<u>e</u>	32 0 4
			****		****		
	*****	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~	*****	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	******
30 29	28 27	26 25 24 23	22 2	21	20 19	18 17	16
3x4 =		3x6 FP =	3x4 =				3x4 =

			16-8-4			
Plate Offsets (X,	Y) [7:0-1-8,Edge], [22:0-1-8,Edge]					
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0- Plate Grip DOL 1.0 Lumber DOL 1.0 Rep Stress Incr YES Code IRC2015/TPI2014	0 CSI. 0 TC 0.06 0 BC 0.01 5 WB 0.03 Matrix-S	DEFL. in Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00	(loc) l/defl L/d - n/a 999 - n/a 999 16 n/a n/a	PLATES MT20 Weight: 77 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER- TOP CHORD BOT CHORD WEBS OTHERS	2x4 SP No.1(flat) 2x4 SP No.1(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing dir except end verticals. Rigid ceiling directly applied o	rectly applied or 6-0-0 or 10-0-0 oc bracing.	oc purlins,

16-8-4

REACTIONS. All bearings 16-8-4.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 30, 16, 29, 28, 27, 26, 24, 23, 22, 21, 20, 19, 18, 17

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

NOTES-

1) All plates are 1.5x3 MT20 unless otherwise indicated.

2) Plates checked for a plus or minus 1 degree rotation about its center.

3) Gable requires continuous bottom chord bearing.

4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

5) Gable studs spaced at 1-4-0 oc.

6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.





Job	Truss	Truss Type	Qty	Ply	Lot 14 Sierra Villas		E14570191
J0920-4179	ET6	Floor Supported Gable	1	1			E145/9161
	-				Job Reference (optional)		
Comtech, Inc, Fayette	ville, NC - 28314,	ID:1GKHPp	sUBRSV91	8.330 s Ma DyCFb7Gr	ay 6 2020 MiTek Industries, Inc. nz8LdV-bp9tL81ypRQ8jZwNyp0	. Thu Jul 2 10:30:41 20: Q1DbKJ7nsHU2DWmiE6	20 Page 1 Segz07pS
0-1-8							0-1-8
							Scale = 1:23.4
		3	x4 =				
1 2	3 4	5 6	7	8	9	10 11	12
	0		1		0	•	26
	•				•		
24 23	22 21	20 19	18	17	16	15 14	13
3x4 =		3x4 =					3x4 =

			14-2-0			
Plate Offsets (X,Y)	[7:0-1-8,Edge], [19:0-1-8,Edge]		14-2-0			
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.06 BC 0.01 WB 0.03 Matrix-S	DEFL. ir Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00	n (loc) l/defl L/d - n/a 999 - n/a 999 13 n/a n/a	PLATES MT20 Weight: 66 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 S BOT CHORD 2x4 S WEBS 2x4 S OTHERS 2x4 S	SP No.1(flat) SP No.1(flat) SP No.3(flat) SP No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing dire except end verticals. Rigid ceiling directly applied or	ectly applied or 6-0-0 r 10-0-0 oc bracing.	oc purlins,

REACTIONS. All bearings 14-2-0.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 24, 13, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14

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

NOTES-

1) All plates are 1.5x3 MT20 unless otherwise indicated.

2) Plates checked for a plus or minus 1 degree rotation about its center.

3) Gable requires continuous bottom chord bearing.

4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

5) Gable studs spaced at 1-4-0 oc.

6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

Strongbacks to be attached to walls at their outer ends or restrained by other means.





Job		Truss	Truss Type	Qty	Ply	Lot 14 Sierra Villas
						E14579182
J0920-4179		F1	Floor	4	1	
						Job Reference (optional)
Comtech, Inc,	Fayettev	ille, NC - 28314,			8.330 s M	ay 6 2020 MiTek Industries, Inc. Thu Jul 2 10:30:43 2020 Page 1
			ID:1GKHF	ptsUBRSV	9DyCFb70	Gmz8LdV-XBHemp2CL2gsyt4m3ESVJ0PT_bLFyopoE0jDiZz07pQ
0-1-8						
0-1-8						

H<mark>1-3-0</mark> ⊢<u>2-5-12</u>

<u>2-3-4</u> <u>1-6-0</u> Scale: 3/16"=1'



	L	18-5-12	38-3-0								
	I	18-5-12		19-9-4							
Plate C	Offsets (X,Y)	[20:0-1-8,Edge], [32:0-1-8,Edge], [40:0-	1-8,Edge]								
LOAD TCLL TCDL BCLL BCDL	NG (psf) 40.0 10.0 0.0 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.80 BC 0.81 WB 0.67 Matrix-S	DEFL. Vert(LL) -0.2 Vert(CT) -0.4 Horz(CT) 0.0	in (loc) 29 30-31 40 30-31 06 27	l/defl >803 >589 n/a	L/d 480 360 n/a	PLATES MT20 M18SHS Weight: 200 lb	GRIP 244/190 244/190 FT = 20%F, 11%E		
LUMB TOP C BOT C WEBS	E R- HORD 2x4 SP HORD 2x4 SP 2x4 SP	2400F 2.0E(flat) 2400F 2.0E(flat) No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structu except Rigid c	ral wood end verti eiling dire	sheathing dire cals. ectly applied o	ectly applied or 6-0-0 or 6-0-0 or 6-0-0 oc bracing.	oc purlins,		
REAC	FIONS. (size Max G	e) 44=0-3-8, 36=0-3-8, 27=0-3-8 rav 44=892(LC 3), 36=2438(LC 1), 27=	964(LC 4)								
FORC TOP C BOT C WEBS	ES. (lb) - Max. HORD 2-3=- 8-9=- 14-15 20-21 HORD 43-44 37-38 31-32 2-44= 11-37 7-40= 22-30 18-34 20-31	Comp./Max. Ten All forces 250 (lb) or 1605/0, 3-4=-2641/0, 4-5=-2641/0, 5-6= 1892/441, 9-11=-1892/441, 11-12=-406, i=-456/906, 15-16=-2081/315, 16-18=-2/ =-3542/0, 21-22=-3542/0, 22-23=-2935, i=0/962, 42-43=0/2228, 41-42=0/2903, 4 =-717/1243, 36-37=-1610/0, 35-36=-14, 2=0/3345, 30-31=0/3345, 29-30=0/3294, 1278/0, 2-43=0/894, 3-43=-867/0, 3-42 (=-1257/0, 11-38=0/890, 8-38=-815/0, 8- -542/0, 25-27=-1390/0, 25-28=0/999, 2- i=0/337, 14-36=-1788/0, 14-35=0/1398, i=-917/0, 18-32=0/1220, 19-32=-565/0, 2 =-280/0	less except when shown. -2939/0, 6-7=-2939/0, 7-8 1021, 12-13=0/2729, 13- 081/315, 18-19=-3345/0, 10, 23-24=-2935/0, 24-25 20/0, 34-35=-596/1360, 3 28-29=0/2450, 27-28=0/ =0/561, 12-36=-1694/0, 1 40=0/1105, 5-42=-357/0, 15-35=-1338/0, 15-34=0/ 21-30=-351/0, 20-30=-87/	=-2939/0, 14=0/2729, 19-20=-3345/0, =-1764/0 3/2411, 2-34=-69/2687, 1046 12-37=0/1310, 6, 5-41=-405/171, 9, 22-29=-488/0, 1066, 695,							
NOTES 1) Unb 2) All p 3) All p 4) Plat	5- alanced floor live lates are MT20 p lates are 1.5x3 M es checked for a	e loads have been considered for this de olates unless otherwise indicated. VT20 unless otherwise indicated. plus or minus 1 degree rotation about it	sign. s center.				4	TH CA	ROUN		

- 5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.
- Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 6) CAUTION, Do not erect truss backwards.





Job	Truss	Truss Type	Qty	Ply	Lot 14 Sierra Villas		E14570192
J0920-4179	F1A	Floor	1	1			E14579165
Comtech, Inc, Fayett	teville, NC - 28314,			8.330 s M	Job Reference (optional lay 6 2020 MiTek Industri) ies, Inc. Thu Jul 2 10:30:	46 2020 Page 1
ID:1GKHPptsUBRSV9DyCFb7Gmz8LdV-xmzmOr55ez2QpLpKIN0Cwf10IoOD99bFw_ytJuz07pN							
0-1-8	1-10-0 1-0-0	1-2-8 1-2-8 1-2-8 1-2-8 1-2-8 0-9-	0		2-1-8		0-1-8
			4		210 100		Scale = 1:64.9
	3x4 =	3x6 = 3x4 = 4x8 =	= 4x6 = 3	x6 FP =			
3x4 = 3x4	4 = 3x4 = 3x	4 3x6 FP = 3	x4 4x4 ≡	4x4 =	= 3x4 =	3x4 = 3x4 = 3	8x6 =
123	456 8 18 18 18	78910111213 N ast∎⊐⊏®st∎®as t	1932 15 16 19 1 원 했 	17 18 ⁻	1920 21 22	23 24 25	26 27
49 48 3x6 = 3x4 =	47 46 45 3x4 = 3x4 =	$44 \ 43 \ 42 \ 41 \ 40 \ 39 \ 38 \ 3x_6 \ FP = 6x_8 = 5$	37 36	35 34 x6 =	33 32 31 4x4 = 3x6 =	30 29 = 3x6 = 3x6 =	28 3x6 =
0,0 0,4	5	$x_8 = 3x_6 2x_6 2x_6 $		xo 3x8 M18SH	SFP =	0,00 0,00	0.0
		2x6					
	10-11-8	<u>14-9-8</u> <u>18-7-8</u> 3-10-0 <u>3-10-0</u>	-		38-3-0		
Plate Offsets (X,Y) [5	:0-1-8,Edge], [11:0-1-8,Edge],	[21:0-1-8,Edge], [33:0-1-8,Edge],	[40:0-3-0,Edge], [47:0-	1-8,Edge]	10110		
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. ir	n (loc)	l/defl L/d	PLATES G	RIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.67	Vert(LL) -0.27	31-32	>870 480	MT20 24	4/190
BCLL 0.0	Rep Stress Incr YES	WB 0.66	Horz(CT) -0.37	31-32	>635 360 n/a n/a	M185H5 24	4/190
BCDL 5.0	Code IRC2015/TPI2014	Matrix-S				Weight: 215 lb	FT = 20%F, 11%E
LUMBER-			BRACING-	o , ,			
BOT CHORD 2x4 SP 2 BOT CHORD 2x4 SP 2	400F 2.0E(flat) 400F 2.0E(flat)		TOP CHORD	except e	al wood sheathing direc	tly applied or 6-0-0 oc p	urlins,
WEBS 2x4 SP N	lo.3(flat)		BOT CHORD	Rigid ce	iling directly applied or 6	6-0-0 oc bracing.	
REACTIONS. All bear	rings 7-8-0 except (jt=length) 4	9=0-3-8, 28=0-3-8.					
(lb) - Max Upli Max Gra	ift All uplift 100 lb or less at jo All reactions 250 lb or less	int(s) except 38=-330(LC 4), 39=- at joint(s) 39 40 42 except 49=5	·433(LC 4), 40=-270(LC 63(LC 3), 44=833(LC 3	4) 44=741	(I C 1)		
	37=2603(LC 7), 37=2584(L0	C 1), 41=411(LC 7), 28=916(LC 4))	,,	(),		
FORCES. (Ib) - Max. Co	omp./Max. Ten All forces 25) (Ib) or less except when shown.					
TOP CHORD 2-3=-90	06/0, 3-4=-1156/0, 4-5=-1156/0), 5-6=-785/0, 6-7=-59/520, 7-8=-4	47/535, 15-0/2640				
16-17=	-1585/0, 17-19=-1585/0, 19-20	=-2941/0, 20-21=-2941/0, 21-22=	-3239/0,				
22-23= BOT CHORD 48-49=	-3239/0, 23-24=-2729/0, 24-25 0/593, 47-48=0/1166, 46-47=0	=-2729/0, 25-26=-1660/0 /1156, 45-46=0/1156, 44-45=0/41	9. 42-44=-423/0.				
41-42=	-423/0, 40-41=-465/0, 39-40=-	465/0, 38-39=-1801/0, 37-38=-18	01/0,				
36-37= 29-30=	-1118/0, 35-36=0/829, 33-35= =0/2296, 28-29=0/992	0/2228, 32-33=0/2941, 31-32=0/2	941, 30-31=0/3035,				
WEBS 2-49=-7	788/0, 2-48=0/435, 3-48=-360/	0, 6-44=-861/0, 6-45=0/536, 5-45=	=-570/0,				
25-29=	-884/0, 25-30=0/588, 23-30=-4	.17/0, 23-31=0/277, 15-37=-1917/	/0, 15-36=0/1391,				
16-36= 22-31=	-1308/0, 16-35=0/1028, 19-35 -314/0, 21-31=-164/547, 13-39	=-874/0, 19-33=0/1057, 20-33=-49 =0/1342, 8-41=-322/22, 11-39=-5	91/0, 65/0			MININ	111.
	01.00,21.01.10.0011,10.00	0,1012,011 022,22,1100 0				TH CAR	Office
1) Unbalanced floor live I	oads have been considered fo	r this design.				ON FESSIO	2 Vin
2) All plates are MT20 pla	ates unless otherwise indicated	J.			Che Che	the second	a c
4) Plates checked for a p	lus or minus 1 degree rotation	about its center.			E State	CEAL	
5) Provide mechanical co	onnection (by others) of truss to	b bearing plate capable of withsta	nding 330 lb uplift at joi	nt 38, 433	lb uplift at	SEAL	, : E
6) Recommend 2x6 stror	ngbacks, on edge, spaced at 1	0-0-0 oc and fastened to each tru	iss with 3-10d (0.131" X	3") nails.	Ξ	: 036322	4 J E
Strongbacks to be atta 7) CAUTION Do not ered	ached to walls at their outer en-	ds or restrained by other means.			E.		all E
					1	NGINE	
1) Dead + Floor Live (bal	ra anced): Lumber Increase=1.00), Plate Increase=1.00				A GIL	BEIT
Uniform Loads (plf)	10 1 27- 100	-				minum	1111
ven: 28-49=-1	10, 1-27=-100					July	2,2020
Continued on page 2							
WARNING - Verify desi Design valid for use only w	ign parameters and READ NOTES ON vith MiTek® connectors. This design is	THIS AND INCLUDED MITEK REFERENC based only upon parameters shown, and is	E PAGE MII-7473 rev. 5/19/20 s for an individual building con	20 BEFORE nponent, not	USE.	ENGINEERING	Fra
a truss system. Before use building design. Bracing in	, the building designer must verify the indicated is to prevent buckling of individ	applicability of design parameters and prop dual truss web and/or chord members only.	erly incorporate this design in Additional temporary and pe	to the overal rmanent bra	l cing		iTek Affiliate

building design. Bracing indicated is to prevent buckling or 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 **ANSVTP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

818 Soundside Road Edenton, NC 27932

Job		Truss	Truss Type	Qty	Ply	Lot 14 Sierra Villas
						E14579183
J0920-4179		F1A	Floor	1	1	
						Job Reference (optional)
Comtech, Inc,	Fayettev	rille, NC - 28314,			8.330 s Ma	ay 6 2020 MiTek Industries, Inc. Thu Jul 2 10:30:46 2020 Page 2
			ID:1GKH	PptsUBRS\	/9DyCFb7	Gmz8LdV-xmzmOr55ez2QpLpKIN0Cwf10IoOD99bFw_ytJuz07pN

LOAD CASE(S) Standard Concentrated Loads (Ib)

Vert: 10=-69 12=-69 8=-69 52=-69







10-4-8			30-1-12					
	10-4-8				19-9-4			1
Plate Offsets (X,Y)	[1:Edge,0-1-8], [3:0-1-8,Edge], [4:0-1-8,	Edge], [13:0-1-8,Edge], [2	25:0-1-8,Edge]					
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 PCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES	CSI. TC 0.68 BC 0.74 WB 0.62	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (-0.30 23 -0.40 23 0.05	(loc) l/defl 3-24 >799 3-24 >583 20 n/a	L/d 480 360 n/a	PLATES MT20	GRIP 244/190
BCDL 5.0	COde IRC2015/1F12014	Iviauix-5					weight. 157 lb	FT = 20%F, TT%E
LUMBER- TOP CHORD BRACING- 2x4 SP 2400F 2.0E(flat) BOT CHORD 2x4 SP 2400F 2.0E(flat) WEBS 2x4 SP No.3(flat)					oc purlins,			
REACTIONS. (size Max U Max G	REACTIONS. (size) 34=Mechanical, 29=0-3-8, 20=0-3-8 Max Uplift 34=-9(LC 4) Max Grav 34=496(LC 3), 29=1919(LC 1), 20=998(LC 7)							
FORCES. (lb) - Max. TOP CHORD 2-3=- 8-10= 14-15	Comp./Max. Ten All forces 250 (lb) or 735/113, 3-4=-887/369, 4-5=-459/776, 5 2485/0, 10-11=-2485/0, 11-12=-3641/0 5=-3751/0, 15-16=-3079/0, 16-17=-3079/	less except when shown. -6=0/1682, 6-7=0/1682, 7 , 12-13=-3641/0, 13-14=- 0, 17-18=-1837/0	7-8=-924/0, ·3751/0,					
BOT CHORD 33-34 28-29 22-23	4=-2/520, 32-33=-369/887, 31-32=-369/8 9=-417/19, 26-28=0/1798, 25-26=0/3051 3=0/3474, 21-22=0/2558, 20-21=0/1084	87, 30-31=-369/887, 29-3 , 24-25=0/3641, 23-24=0/	30=-1066/80, /3641,					
WEBS 2-34=-693/3, 2-33=-154/298, 3-33=-207/348, 5-29=-965/0, 5-30=0/721, 4-30=-897/0, 4-31=0/281, 7-29=-1683/0, 7-28=-0/1302, 8-28=-1254/0, 8-26=0/974, 11-26=-815/0, 11-25=0/1024, 12-25=-481/0, 18-20=-1441/0, 18-21=0/1047, 17-21=-1002/0, 17-22=0/709, 15-22=-537/0, 15-23=0/376, 14-23=-304/8, 13-23=-323/469								
NOTES- 1) Unbalanced floor live 2) All plates are 3x4 M 3) Plates checked for a 4) Refer to girder(s) for 5) Provide mechanical	e loads have been considered for this de T20 unless otherwise indicated. I plus or minus 1 degree rotation about it truss to truss connections. connection (by others) of truss to bearin	sign. s center. g plate capable of withsta	inding 9 lb uplift at	joint 34.			TH CA	ROUT

- 6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.
- Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 7) CAUTION, Do not erect truss backwards.

SEAL 036322 A. GILBERT



Job	Truss	Truss Type	Qty	Ply	Lot 14 Sierra Villas
					E14579185
J0920-4179	F3	Floor	1	1	
					Job Reference (optional)
Comtech, Inc.	Favetteville, NC - 28314.			8.330 s M	av 6 2020 MiTek Industries, Inc. Thu Jul 2 10:30:48 2020 Page 1

Comtech, Inc, Fayetteville, NC - 28314, ID:1GKHPptsUBRSV9DyCFb7Gmz8LdV-t94XpX6LAbI83ezjsn2g047Myc4dd4rXNIR_Omz07pL

0-1-8 || | 1-3-0 | 1-10-12 0-1-8 Scale = 1:45.3 2-3-4 1-6-0



L	7-6-4		27-3-8					
	7-6-4		-	19-9	-4			
Plate Offsets (X,Y)	[13:0-1-8,Edge], [25:0-1-8,Edge], [30:0	-1-8,Edge], [31:0-1-8,Edge	<u>}]</u>					
LOADING(psf)TCLL40.0TCDL10.0BCLL0.0BCDL5.0	SPACING-2-0-0Plate Grip DOL1.00Lumber DOL1.00Rep Stress IncrYESCode IRC2015/TPI2014	CSI. TC 0.66 BC 0.73 WB 0.61 Matrix-S	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc -0.30 23-24 -0.40 23-24 0.05 20) I/defl 4 >798 4 >583 0 n/a	L/d 480 360 n/a	PLATES MT20 M18SHS Weight: 143 lb	GRIP 244/190 244/190 FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 BOT CHORD 2x4 WEBS 2x4	4 SP 2400F 2.0E(flat) 4 SP 2400F 2.0E(flat) 4 SP No.3(flat)	1	BRACING- TOP CHOR BOT CHOR	D Struc exce D Rigic	ctural wood pt end vert ceiling dir	l sheathing di ticals. rectly applied	rectly applied or 6-0-0 o	oc purlins,
REACTIONS. Ma Ma	(size) 32=0-3-8, 29=0-3-8, 20=0-3-8 ax Uplift 32=-92(LC 4) ax Grav 32=335(LC 3), 29=1777(LC 1), 20=	=1003(LC 7)						
FORCES. (Ib) - M TOP CHORD 2 8 1	1ax. Comp./Max. Ten All forces 250 (lb) o -3=-399/449, 3-4=-399/449, 4-5=-399/449, -10=-2551/0, 10-11=-2551/0, 11-12=-3691/ 4-15=-3786/0, 15-16=-3104/0, 16-17=-310	r less except when shown. 5-6=0/1366, 6-7=0/1366, 7 0, 12-13=-3691/0, 13-14=- 4/0, 17-18=-1849/0	7-8=-1010/0, ·3786/0,					
BOT CHORD 3	1-32=-136/305, 30-31=-449/399, 29-30=-90 4-25=0/3691, 23-24=0/3691, 22-23=0/3504)3/55, 27-28=0/1875, 25-2 , 21-22=0/2576, 20-21=0/	7=0/3112, 1090					
WEBS 22 7 1 1	-32=-403/180, 2-31=-425/128, 5-29=-803/0 -28=0/1291, 8-28=-1223/0, 8-27=0/940, 18 7-22=0/717, 15-22=-545/0, 15-23=0/382, 1 2-25=-467/0, 13-23=-369/430	, 5-30=0/848, 4-30=-436/0 -20=-1449/0, 18-21=0/105 4-23=-296/18, 11-27=-785), 7-29=-1658/0, 5, 17-21=-1011/0, /0, 11-25=0/992,					
NOTES- 1) Unbalanced floo 2) All plates are M 3) All plates are 1	or live loads have been considered for this d T20 plates unless otherwise indicated. 5v3 MT20 unless otherwise indicated	esign.						11111

- 4) Plates checked for a plus or minus 1 degree rotation about its center.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 92 lb uplift at joint 32.
- 6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 7) CAUTION, Do not erect truss backwards.





Job	Truss	Truss Type	Qty	Ply	Lot 14 Sierra Villas
				-	E14579186
J0920-4179	F3A	Floor	1	1	
					Job Reference (optional)
Comtech, Inc, Fayettev	ille, NC - 28314,			8.330 s M	ay 6 2020 MiTek Industries, Inc. Thu Jul 2 10:30:50 2020 Page 1
		ID:1GK	HPptsUBR	SV9DyCF	b7Gmz8LdV-qXCHED8ciCYsIy66_C485VCffPjK5zqqrcw5Sfz07pJ
0-1-8					
1-3-0	1-10-12		2-3-	4	1-6-0 0-1 ₁ 8
	1			11	Scale = 1:45.3



1		7-6-4			27-3-8			
7-6-4 19-9-4 Dista Officate (V,V) - [45-66 0.4.0] [60.0.0.0.5dec] [60.0.4.0.5dec] [60.0.4.0.5dec] [60.0.4.0.5dec]							· · · · · · · · · · · · · · · · · · ·	
Plate C	JITSETS (X,Y)	[1:Eage,0-1-8], [3:0-3-0,Eage], [4:0-3-0,	Eagej, [13:0-1-8,Edge], [2	25:0-1-8,Edge], [30:0-1-8	s,⊨age], [31:0-1-8	s,⊨agej		
LOADI TCLL TCDL BCLL BCDL	NG (psf) 40.0 10.0 0.0 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr NO Code IRC2015/TPI2014	CSI. TC 0.84 BC 0.84 WB 0.65 Matrix-S	DEFL. ir Vert(LL) -0.29 Vert(CT) -0.40 Horz(CT) 0.05	n (loc) l/defl 23-24 >813 23-24 >593 20 n/a	L/d 480 360 n/a	PLATES MT20 M18SHS Weight: 162 lb	GRIP 244/190 244/190 FT = 20%F, 11%E
LUMB TOP C BOT C WEBS REAC	ER- HORD 2x4 SP HORD 2x4 SP 2x4 SP TIONS. (size Max G	2400F 2.0E(flat) 2400F 2.0E(flat) No.3(flat) 32=0-3-8, 29=0-3-8, 20=0-3-8 rav 32=1672(LC 3), 29=3759(LC 1), 20	=941(LC 7)	BRACING- TOP CHORD BOT CHORD	Structural wood except end vert Rigid ceiling dir 6-0-0 oc bracing	I sheathing dire icals. ectly applied o g: 29-30,28-29	ectly applied or 6-0-0 c r 10-0-0 oc bracing, I	oc purlins, Except:
FORCI TOP C BOT C WEBS	ORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. 'OP CHORD 2-3=-2390/0, 3-4=-2390/0, 4-5=-2390/0, 5-6=0/2214, 6-7=0/2316, 8-10=-1807/0, 10-11=-1807/0, 11-12=-3145/0, 12-13=-3145/0, 13-14=-3401/0, 14-15=-3401/0, 15-16=-2837/0, 16-17=-2837/0, 17-18=-1715/0 IOT CHORD 31-32=0/1758, 30-31=0/2390, 29-30=-372/911, 28-29=-911/0, 27-28=0/1064, 25-27=0/2440, 24-25=0/3145, 23-24=0/3145, 22-23=0/3172, 21-22=0/2377, 20-21=0/1020 VEBS 6-29=-901/0, 2-32=-2276/0, 2-31=0/838, 5-29=-2539/0, 5-30=0/2601, 4-30=-1625/0, 3-31=-553/0, 7-29=-1882/0, 7-28=0/106, 8-27=0/1016, 18-20=-1356/0, 18-21=0/967, 17-21=-920/0, 17-22=0/625, 15-22=-455/0, 15-23=-0/311, 14-23=-322/0, 11-27=-866/0, 11-25=0/1099, 12-25=-513/0, 13-23=-199/555							
NOTES 1) Unb 2) All p 3) All p 4) Plat 5) Recc Stro 6) CAL 7) Han dow devi 8) In th LOAD 1) Dea Unif	S- alanced floor live lates are MT20 p lates are 1.5x3 H es checked for a ommend 2x6 str ngbacks to be at JTION, Do not er ger(s) or other c n at 3-2-4, and 4 ce(s) is the resp te LOAD CASE(s) CASE(S) Stanc d + Floor Live (b orm Loads (plf) Vert: 20-32= centrated Loads Vert: 6=-798	e loads have been considered for this de olates unless otherwise indicated. MT20 unless otherwise indicated. plus or minus 1 degree rotation about it ongbacks, on edge, spaced at 10-0-0 o tached to walls at their outer ends or re- rect truss backwards. onnection device(s) shall be provided su 378 lb down at 5-2-4, and 857 lb down a onsibility of others. S) section, loads applied to the face of the dard alanced): Lumber Increase=1.00, Plate s-10, 1-19=-100 (lb) 3(B) 35=-798(B) 36=-798(B) 37=-798(B)	esign. ts center. c and fastened to each tr strained by other means. ufficient to support concer at 7-2-4 on top chord. Th he truss are noted as from Increase=1.00	uss with 3-10d (0.131" X ntrated load(s) 878 lb do he design/selection of su It (F) or back (B).	3") nails. wn at 1-2-4, 878 ich connection	В	SEA 0363	EER.H

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 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/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

818 Soundside Road Edenton, NC 27932



			19-11-0			
Plate Offsets (X,Y)	[7:0-1-8,Edge], [20:0-1-8,Edge]					
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.55 BC 0.69 WB 0.55 Matrix-S	DEFL. in Vert(LL) -0.30 Vert(CT) -0.42 Horz(CT) 0.07	i (loc) l/defl L/d 18-19 >778 480 18-19 >567 360 15 n/a n/a	PLATES MT20 M18SHS Weight: 105 lb	GRIP 244/190 244/190 FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF	2 2400F 2.0E(flat) 2 2400F 2.0E(flat) 2 No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing dire except end verticals. Rigid ceiling directly applied o	ectly applied or 6-0-0 oc r 10-0-0 oc bracing.	purlins,
REACTIONS. (siz Max G	e) 24=0-3-8, 15=0-3-8 Grav 24=1075(LC 1), 15=1075(LC 1)					

19-11-0

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

TOP CHORD 2-3=-2007/0, 3-4=-3409/0, 4-5=-3409/0, 5-6=-4324/0, 6-7=-4324/0, 7-9=-4234/0,

9-10=-4234/0, 10-11=-3413/0, 11-12=-3413/0, 12-13=-2005/0

- BOT CHORD 23-24=0/1173, 22-23=0/2804, 20-22=0/3888, 19-20=0/4324, 18-19=0/4324, 17-18=0/3892, 16-17=0/2807, 15-16=0/1172
- WEBS 2-24=-1559/0, 2-23=0/1159, 3-23=-1109/0, 3-22=0/823, 5-22=-650/0, 5-20=0/876, 6-20=-418/0, 13-15=-1558/0, 13-16=0/1159, 12-16=-1116/0, 12-17=0/824, 10-17=-650/0, 10-18=0/466, 9-18=-268/67, 7-18=-603/291

NOTES-

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

2) All plates are MT20 plates unless otherwise indicated.

3) All plates are 1.5x3 MT20 unless otherwise indicated.

4) Plates checked for a plus or minus 1 degree rotation about its center.

5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

Strongbacks to be attached to walls at their outer ends or restrained by other means.







ł			10	6-8-4			
Plate Of	fsets (X,Y)	[7:0-1-8.Edge]. [16:0-1-8.Edge]	10	6-8-4			
- 10.00 01.		[10 1 0,2030], [10:0 1 0,2030]					
LOADIN	G (psf)	SPACING- 2-0-0	CSI.	DEFL. in	i (loc) l/defl L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL 1.00	TC 0.54	Vert(LL) -0.22	16-18 >892 480	MT20	244/190
TCDL	10.0	Lumber DOL 1.00	BC 0.91	Vert(CT) -0.30	16-18 >666 360	M18SHS	244/190
BCLL	0.0	Rep Stress Incr YES	WB 0.43	Horz(CT) 0.05	12 n/a n/a		
BCDL	5.0	Code IRC2015/TPI2014	Matrix-S	()		Weight: 87 lb	FT = 20%F, 11%E
LUMBER	R-			BRACING-			
TOP CH	ORD 2x4 SF	P No.1(flat)		TOP CHORD	Structural wood sheathing dir	ectly applied or 6-0-0	oc purlins,
BOT CH	ORD 2x4 SF	P No.1 (flat)			except end verticals.	,	. ,
WEBS	2x4 SF	P No.3(flat)		BOT CHORD	Rigid ceiling directly applied of	or 10-0-0 oc bracing.	
REACTI	ONS. (siz Max G	e) 20=Mechanical, 12=0-3-8 Grav 20=898(LC 1), 12=898(LC 1)					
FORCE							

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

- TOP CHORD 2-3=-1619/0, 3-4=-2661/0, 4-5=-2661/0, 5-6=-3022/0, 6-7=-3022/0, 7-9=-2612/0,
- 9-10=-1624/0
- BOT CHORD 19-20=0/970, 18-19=0/2244, 16-18=0/2936, 15-16=0/3022, 14-15=0/3022, 13-14=0/2243, 12-13=0/970 WFBS 2-20=-1289/0 2-19=0/903 3-19=-869/0 3-18=0/567 10-12=-1289/0 10-13=0/909
- WEBS 2-20=-1289/0, 2-19=0/903, 3-19=-869/0, 3-18=0/567, 10-12=-1289/0, 10-13=0/909, 9-13=-861/0, 9-14=0/557, 5-18=-374/0, 5-16=-160/451, 7-14=-702/0

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- 3) All plates are 3x6 MT20 unless otherwise indicated.
- 4) Plates checked for a plus or minus 1 degree rotation about its center.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.







			14-2-0			
			14-2-0			
Plate Offsets (X,Y)	[5:0-1-8,Edge], [13:0-1-8,Edge]					
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.54 BC 0.78 WB 0.34 Matrix-S	DEFL. ir Vert(LL) -0.15 Vert(CT) -0.20 Horz(CT) 0.03	n (loc) l/defl L/d 5 11-12 >999 480 0 11-12 >854 360 8 9 n/a n/a	PLATES MT20 Weight: 73 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 BOT CHORD 2x4 WEBS 2x4	SP No.1(flat) SP No.1(flat) SP No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing dire except end verticals. Rigid ceiling directly applied o	ectly applied or 6-0-0 r 10-0-0 oc bracing.	oc purlins,
REACTIONS. (ize) 15=0-3-8 9=0-3-8					

Max Grav 15=759(LC 1), 9=759(LC 1)

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

TOP CHORD 2-3=-1309/0, 3-4=-2153/0, 4-5=-2153/0, 5-6=-2019/0, 6-7=-1326/0

BOT CHORD 14-15=0/813, 13-14=0/1799, 12-13=0/2153, 11-12=0/2153, 10-11=0/1821, 9-10=0/806

WEBS 2-15=-1080/0, 2-14=0/690, 3-14=-683/0, 3-13=0/649, 7-9=-1070/0, 7-10=0/723,

6-10=-689/0, 6-11=0/352, 5-11=-383/24, 4-13=-299/0

NOTES-

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

2) All plates are 3x4 MT20 unless otherwise indicated.

3) Plates checked for a plus or minus 1 degree rotation about its center.

4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.





