Mark Morris, P.E.

#126, 1317-M, Summerville, SC 29483 843 209-5784, Fax (866)-213-4614

The truss drawing(s) listed below have been prepared by **Atlantic Building Components** under my direct supervision based on the parameters provided by the truss designers.

AST #: 54273 JOB: 24-9563-F01 JOB NAME: LOT 0.0014 CAMPBELL RIDGE Wind Code: N/A Wind Speed: Vult= N/A Exposure Category: N/A Mean Roof Height (feet): N/A These truss designs comply with IRC 2018 as well as IRC 2021. 23 Truss Design(s)

Trusses:

F101, F102, F102A, F103, F104, F105, F105A, F106, F106A, F106B, F107, F108, F109, F110, F111, F112, F113, F114, F115, F116, F117, F118, F119



Warning !--- Verify design parameters and read notes before use.

b	Truss	Truss Type	Qty	Ply LOT 0.0014 CAMPBELL RIDGE	291 ALDEN WAY ANGIER, NC
I-9563-F01	F101	Floor Supported Gable	1	1 Job Reference (optional)	# 54273
			Run: 8.630 s Jul 1 ID:TI8BXP?rb	2 2024 Print: 8.630 s Jul 12 2024 MiTek Industr 369B_B636Qe0HyKJdu-Hoo5D2GIfh11b	ies, Inc. Wed Nov 13 10:42:46 2024
0- <u>1</u> -8					
					Scale = 1:43.9
1.5x3		1.5v	3 4x4 =		
				x3 1.5x3 1.5x3 1.5x3 1.5x3	

1	2	2	3	4	5	т1 ⁶	7	8	9	10	11 1	2	13	14	15	16	T2 ¹⁷	18	19	20	21	22	
0-0-145B) s	T1 S	ST1	ST1	ST1	B1	ST1	ST1	ST1	ST1	S	1 w2	ST1	ST1	ST1	ST1	ST1	ST1	ST1	ST1	ST1	¥¥1	1-0-0
ľX	XXX	$\sim \times \times$	XXXX	$\langle X X \rangle$	(XXX)	XXXX	$\langle X X \rangle$	XXXXX	XXX	XXXX	∞	XXX	XX	XXXXX	\times	(XXX)	XXXX	XXXX	XXXX	XXXX	(XXX)	$\langle X \rangle$	
44	4	3	42	41	40	39	38	37	36	35	3	4 33	32	31	30	29	28	27	26	25	24	23	
3x4	1.5	ix3 1.	5x3 1	.5x3	1.5x3	1.5x3	1.5x3	1.5x3	1.5x3	1.5x3	П	3x8 I	FP=	1.5x3	1.5x3	1.5x3	1.5x3	1.5x3	1.5x3	1.5x3	1.5x3	3x4	
											1.5	x3	4x4 =	=									

	26-7-10 26-7-10 Plate Offsets (X,Y) [12:0-1-8,Edge], [32:0-1-8,Edge], [44:Edge,0-1-8], [45:0-1-8,0-1-8]								
Plate Offsets (X,Y)	[12:0-1-8,Edge], [32:0-1-8,Edge], [44	Edge,0-1-8], [45:0-1-8,0	-1-8]						
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.05 BC 0.01 WB 0.03 Matrix-SH	DEFL. ir Vert(LL) n/z Vert(CT) n/z Horz(CT) 0.00	a - n/a 999	PLATES GRIP MT20 244/190 Weight: 107 lb FT = 20%F, 11%E				
			BRACING- TOP CHORD BOT CHORD	Structural wood sheathing end verticals. Rigid ceiling directly appli	g directly applied or 6-0-0 oc purlins, except ed or 10-0-0 oc bracing.				

REACTIONS. All bearings 26-7-10.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 44, 23, 43, 42, 41, 40, 39, 38, 37, 36, 35, 34, 32, 31, 30, 29, 28, 27, 26, 25, 24

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

NOTES-(6-9)

1) Gable requires continuous bottom chord bearing.

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

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

- 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.
- 5) CAUTION, Do not erect truss backwards.
- 6) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 8) Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing,
- Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing, 9) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.





Job	Truss	Truss Type		Qty	Ply	LOT 0.0014 CAMPB	ELL RIDGE 291 ALDE	EN WAY ANGIER, NC
24-9563-F01	F102	Floor		14	1	Job Reference (or	otional)	# 54273
	1	I		Run: 8.630 s Jul 1 ID:TI8BXP?r	2 2024 Print: b369B_B63	8.630 s Jul 12 2024 l	MiTek Industries, Inc. V	Ved Nov 13 10:42:46 2024 Page 1 /Z8IRnWIhajvKzA5TOw0yJe_
0-1-8			4 0 44					0.7.40
∦ ⊢1-3-0			1-2-14					0 <u>-7-1</u> 2 Scale = 1:43.7
3x4 =								$4x4 \equiv$
3x4 =	4x4 = 4x4 =	3x8 =	4x4 = 3x8 FP=3x10 =		= 4		x8 = 4x4	
1 a) 125	2 3 11		5 6 7	8 			10 11 <u>কর হি</u> ষ	
		B 1 D					B2 3	
29 28	27	26 25 24	23 22	21 20) 19	18	17 16	15 14
3x4 4x4 =	= 4x4 =	4x4 = 1.5x3 4x4 =	4x6 = 3x4 ∣	4x6 = 3x8	FP=	4x4 = 1.5	5x3 4x4 =	$4x4 \equiv 4x6 \equiv$
					4x4 ≕			
<u> 1-6-0</u> 1-6-0	<u>4-0-0 6-6-0</u> 2-6-0 2-6-0		<u>1-7-8 12-11-14 14</u> 2-6-0 1-4-6 1-	<u>4-4-6 16-10-6</u> -4-8 2-6-0			<u>11-14 24-5-1</u> -7-8 2-6-0	
Plate Offsets (X,Y)-		dge,0-1-8], [30:0-1-8,0-1-		2-0-0	2	-0-0 2-	-1-0 2-0-0	5 1-10-12 0-0-0
LOADING (psf) TCLL 40.0	SPACING- Plate Grip DOL	1-7-3 CSI 1.00 TC		DEFL. ir Vert(LL) -0.08		/defl L/d 999 480	PLATES MT20	GRIP 244/190
TCDL 10.0 BCLL 0.0	Lumber DOL Rep Stress Incr	1.00 BC	0.32	Vert(CT) -0.11 Horz(CT) 0.01	17 >	999 360 n/a n/a		210,000
BCDL 5.0	Code IRC2021/		trix-SH				Weight: 1	32 lb FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 \$	SP No.1(flat)			BRACING- TOP CHORD	Structura	I wood sheathing	g directly applied o	or 6-0-0 oc purlins, except
BOT CHORD 2x4 \$			ļ	BOT CHORD	end verti	cals.	ied or 6-0-0 oc bra	• • •
REACTIONS. (Ib/s	ize) 29=417/0-7-14 (m	iin. 0-1-8), 22=1440/0-4-8	6 (min. 0-1-8), 14=45	i8/0-4-8 (min. 0-	1-8)			
Max	Grav 29=473(LC 3), 22=	=1440(LC 1), 14=504(LC 4	4)					
TOP CHORD 29-	30=-469/0, 1-30=-468/0,	l forces 250 (lb) or less ex , 1-2=-611/0, 2-3=-1339/0), 3-4=-1407/126, 4-5					
11-	12=-929/0	8=0/1074, 8-9=-858/404,						
22-	23=-2020/0, 21-22=-201	612, 25-26=-277/1270, 24 9/0, 20-21=-641/357, 19-	-20=-641/357, 18-19=					
WEBS 7-2	2=-1404/0, 1-28=0/694,	37, 15-16=0/1385, 14-15= 2-28=-643/0, 4-26=0/264	, 4-24=-641/0, 5-24=					
		5, 7-21=0/1120, 8-21=-104 11-15=-556/0, 12-15=0/5		19=-659/0,				
NOTES- (4-7)								
		onsidered for this design. spaced at 10-0-0 oc and	fastened to each trus	ss with 3-10d (0.	131" X 3")	nails. Strongbad	cks to	
	alls at their outer ends or ot erect truss backwards.	r restrained by other mear	ns.					
 Graphical bracing the member mus 		ot depict the size, type or t	the orientation of the	brace on the me	ember. Syn	nbol only indicate	es that	
Bearing symbols design of the trus	are only graphical repress to support the loads in	sentations of a possible b idicated.	earing condition. Bea	aring symbols a	re not cons	idered in the stru	uctural	Willinger.
 Web bracing sho Restraining & Brack 	wn is for lateral support acing of Metal Plate Con	of individual web member nected Wood Trusses for	rs only. Refer to BCS r additional bracing g	I - Guide to Goo uidelines, includ	od Practice ling diagon	for Handling, Ins al bracing.	stalling, HUMATH	CAROLINI
7) SEE BCSI-B3 SU MINIMUM BRAC	JMMARY SHEET- PERN ING REQUIREMENTS (of individual web member nected Wood Trusses for MANENT RESTRAING/BF DF TOP CHORD, BOTTO	RACING OF CHORD OM CHORD, AND WI)S & WEB MEM EB PLANES. IN	BERS FOF	R RECOMMEND		DALE PHIL
GUIDELINES, AI	WAYS CONSULT THE	PROJECT ARCHITECT	OR ENGINEER FOR	R ADDITIONAL E	BRACING	CONSIDERATIO	NS	EAL
LOAD CASE(S) Sta	andard						28	
							THIN AN ENO	INEER S. S.
							MU. AK V	ada il
							Internet.	Monun
							11.	AL 147 MORRELIUM /12/2024

of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 Guide to *Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty Ply	LOT 0.0014 CAMPBELL	RIDGE 291 ALDEN WAY ANGIER, NC
24-9563-F01	F102A	FLOOR	2 Dum 9.620 a Jul 42.2024	Job Reference (option	
			ID:TI8BXP?rb369B_	_B636Qe0HyKJdu-I_MURC	k Industries, Inc. Wed Nov 13 10:42:47 2024 Page 1)GNQ?9uCAePfi1ohV_vyivBSIK6OIDySSyJe_6
0-1-8 H├ 1-3-0 		<mark> -2</mark>	<u>-14</u>		<u>0-8-12</u> <u>0-11-0</u> Scale = 1:44.4
3x4 = 3x4 = 1 3x4 = 1 3x4 = 3x4	$4x4 = 4x4 =$ $2 \qquad 3 \qquad T1$ $29 \qquad 29$ $4x4 = 4x4$	4x4 = 3x8 = 3x8 FP $4 5 6$	7 8 3 2 2 21	3x8 = 4x4 = 9 10 9 12 10 20 19 18 1.5x3 4x4 =	$\begin{array}{c} & & & & & \\ 17 & 16 & 15 & 14 \\ 4x6 & & 6x6 = 10x10 & \end{array}$
Plate Offsets (X,Y)	12-1 12-1 [13:0-3-0,Edge], [31:Edge	-14	4x6 =	4x4 =4x4 =	3x6 = + <u>26-7-10</u>
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2021/TP	1-7-3 CSI. 1.00 TC 0.62 1.00 BC 0.81 NO WB 0.81 I2014 Matrix-SH	DEFL. in (loc Vert(LL) -0.08 19 Vert(CT) -0.21 17-19 Horz(CT) 0.02 14	9 >999 480 9 >783 360	PLATES GRIP MT20 244/190 Weight: 143 lb FT = 20%F, 11%E
			end	ctural wood sheathing dii verticals. d ceiling directly applied o	rectly applied or 6-0-0 oc purlins, except or 6-0-0 oc bracing.
	e) 31=359/0-7-14 (min. Grav31=413(LC 3), 24=18	0-1-8), 24=1811/0-4-8 (min. 0-1-8 11(LC 1), 14=1632(LC 4)	8), 14=1585/0-4-8 (min. 0-1-8)		
TOP CHORD 31-3 4-5= 10-1 BOT CHORD 29-3 24-2 WEBS 12-1 4-26 8-21	2=-409/3, 1-32=-408/3, 13 -209/1089, 5-6=0/1873, 6- 1=-4108/0, 11-12=-4461/0 0=-80/959, 28-29=-343/11 5=-2861/0, 23-24=-2861/0 0=0/2349, 18-19=0/3677, 6=-333/0, 7-24=-1766/0, 1 =-744/0, 5-26=0/759, 5-25	62, 27-28=-779/744, 26-27=-779/ 1, 22-23=-584/447, 21-22=-584/44 17-18=0/3678, 16-17=0/4394, 15- -30=-34/587, 2-30=-539/62, 3-28= =-1108/0, 7-25=0/1174, 7-23=0/1 19=0/838, 10-19=-924/0, 10-17=0	074/196, 3-4=-971/543, %0, 9-10=-2976/0, 744, 25-26=-1413/0, 7, 20-21=0/2349, 16=0/4461 324/0, 4-28=0/368, 691, 8-23=-1586/0,		
2) Load case(s) 1, 2,	ive loads have been consi 3, 4, 5, 6 has/have been r	dered for this design. nodified. Building designer must r	eview loads to verify that they a	are correct for the intende	ed
be attached to wal 4) CAUTION, Do not 5) Graphical bracing	Is at their outer ends or re erect truss backwards. representation does not d	epict the size, type or the orientati	on of the brace on the member.	. Symbol only indicates th	hat what he CAROLINA
LOAD CASE(S) Star 1) Dead + Floor Live	idard (balanced): Lumber Increa	ase=1.00, Plate Increase=1.00			11/12/2024
					11/12/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0014 CAMPBELL RIDGE 291 ALDEN WA	Y ANGIER, NC
24-9563-F01	F102A	FLOOR	2	1	Job Reference (optional)	# 54273
		Pup: 9	630 c lul 1	2 2024 Drint	8 630 c Jul 12 2024 MiTok Industries Inc. Wed N	ov 13 10:42:47 2024 Page 2

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 Mi lek industries, inc. Wed Nov 13 10:42:47 2024 Page 2 ID:TI8BXP?rb369B_B636Qe0HyKJdu-I_MUROGNQ?9uCAePfi1ohV_vyivBSIK6OIDySSyJe_6

LOAD CASE(S) Standard Uniform Loads (plf) Vert: 14-31=-8, 1-13=-80 Concentrated Loads (lb) Vert: 12=-1440
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-31=-8, 1-13=-80
Concentrated Loads (lb)
Vert: 12=-1440
 3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)
Vert: 14-31=-8, 1-7=-80, 7-13=-16
Concentrated Loads (Ib)
Vert: 12=-1440
4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-31=-8, 1-7=-16, 7-13=-80
Concentrated Loads (lb)
Vert: 12=-1440
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf) Vert: 14-31=-8, 1-7=-80, 7-13=-16
Concentrated Loads (Ib)
Vert: 12=-1440
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-31=-8, 1-7=-16, 7-13=-80
Concentrated Loads (lb)
Vert: 12=-1440



Job	Truss	Truss Type	Qty	y Ply	LOT 0.0014 CAMPBELL RIDGE 291 A	LDEN WAY ANG	HER, NC
24-9563-F01	F103	Floor	8		1 Job Reference (optional)		54273
			Run: 8.630 s ID:TI8BXF	Jul 12 2024 ?rb369B B	Print: 8.630 s Jul 12 2024 MiTek Industries, In 636Qe0HyKJdu-DBwsekH?BIHlqKDcD	c. Wed Nov 13 1 QY1DiW9n6Lu	0:42:48 2024 Page 1 BrOGdPvV uvJe 5
0-1-8							
⊣ ⊢ 1-3-0						1-3-10	0
3x4 =							
1.5x3 =	3x4 =	3x4 =		3x8 =	$_{3x4} =$		3x6 =
1	2	3	T1 _	4	5		6
				21			
					\sim	W3	W1 0-0-1
			B				
14	13	12	11	10	9	8	\bowtie
3x4	3x4 =	3x4 =	3x4 =	1.5x3	3x4 =	$4x4 \equiv$	3x4

1-6-0 1-6-0 Plate Offsets (X,Y)	4-0-0 2-6-0	6-6-0 2-6-0	9-1-8 2-7-8	11-7-8 2-6-0	13-2-2 1-6-10
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.23 BC 0.40 WB 0.43 Matrix-SH	DEFL. in (loc) l/defl Vert(LL) -0.10 11 >999 Vert(CT) -0.13 11 >999 Horz(CT) 0.03 7 n/a	480 MT20 360	244/190
LUMBER- TOP CHORD 2x4 SP BOT CHORD 2x4 SP			BRACING- TOP CHORD Structural wo end verticals		d or 6-0-0 oc purlins, except

WEBS 2x4 SP No.3(flat) BOT CHORD

Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 14=563/0-7-14 (min. 0-1-8), 7=568/0-4-8 (min. 0-1-8)

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

TOP CHORD 14-15=-559/0, 1-15=-558/0, 6-7=-563/0, 1-2=-752/0, 2-3=-1737/0, 3-4=-2059/0, 4-5=-1749/0, 5-6=-775/0

BOT CHORD 12-13=0/1407, 11-12=0/2038, 10-11=0/2054, 9-10=0/2054, 8-9=0/1432

WEBS 1-13=0/856, 2-13=-800/0, 2-12=0/403, 3-12=-368/0, 4-9=-367/0, 5-9=0/388, 5-8=-801/0, 6-8=0/910

NOTES-(3-6)

1) 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.

2) CAUTION, Do not erect truss backwards.

3) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.

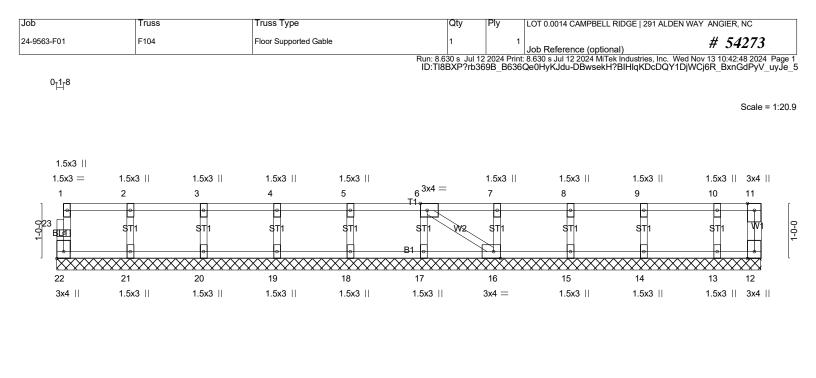
4) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

5) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.

6) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard





			12-9-10		
Plate Offsets (X,Y)	[6:0-1-8,Edge], [16:0-1-8,Edge], [22:E	dge,0-1-8]			
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.05 BC 0.01 WB 0.02 Matrix-SH	DEFL. in Vert(LL) n/ <i>i</i> Vert(CT) n/ <i>i</i> Horz(CT) 0.00	a - n/a 999	PLATES GRIP MT20 244/190 Weight: 54 lb FT = 20%F, 11%E
			BRACING- TOP CHORD BOT CHORD	Structural wood sheathing end verticals. Rigid ceiling directly applie	directly applied or 6-0-0 oc purlins, except ed or 10-0-0 oc bracing.

12-0-10

REACTIONS. All bearings 12-9-10.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 22, 12, 21, 20, 19, 18, 17, 16, 15, 14, 13

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

NOTES- (6-9)

1) Gable requires continuous bottom chord bearing.

- 2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 3) Gable studs spaced at 1-4-0 oc.
- 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.
- 5) CAUTION, Do not erect truss backwards
- 6) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED
- 9) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply LOT 0.0014 CAN	/PBELL RIDGE 291 ALDEN	WAY ANGIER, NC
24-9563-F01	F105	FLOOR	2	1 Job Reference	e (optional)	# 54273
L	1	I	Run: 8.630 s Jul 1 ID:TI8BXP?rb36	12 2024 Print: 8.630 s Jul 12 20	24 MiTek Industries, Inc. Wed	Nov 13 10:42:48 2024 Page 1 V6N6DBBnxGdPyV_uyJe_{
1-3-0				F	<u>0-9-8</u> <u>0-10-8</u>	1-0-8
						Scale = 1:22.9
0.0 -	<u></u>	<u></u>		4.0		
6x8 = 1	6x6 = 2	6x8 = 3	4x6 4	4x6 5	6x8 = 12x14 6 7	. = 3x6 8
	2			2		W6
-0-0	W3 W3	W3 W3	W3 L M	x3 W3		
	• 		<u> </u>			
	16	15 14	13	12	11 10	\mathbf{x}
3x6	6x10 =	6x6 = 3x6	5x6	4x6	6x6 =	6x10 =
					12-5-0	
ŀ		<u>11-3-8</u> 11-3-8			11-10-412-3-8 <u>11-5-0 11-11-0</u> 0-1-8 0-0-12 0-1-8	13-10-0 1-5-0
Plate Offsets (X,Y)	[6:0-3-0,Edge]				0-5-4 0-4-8	
LOADING (psf)	SPACING- 1-7			n (loc) l/defl L/d	PLATES	GRIP
TCLL 40.0 TCDL 10.0		00 TC 0.39 00 BC 0.95	Vert(LL) -0.08 Vert(CT) -0.30	8 13 >999 480 0 12-13 >551 360	MT20	244/190
BCLL 0.0 BCDL 5.0	Rep Stress Incr N Code IRC2021/TPI20	NO WB 0.65 14 Matrix-SH	Horz(CT) 0.0	5 9 n/a n/a	Weight: 115	lb FT = 20%F, 11%E
LUMBER-		I	BRACING-	.		
TOP CHORD 2x4 SF BOT CHORD 2x4 SF	P No.1(flat)		TOP CHORD	end verticals.	hing directly applied or 6	
	PNo.3(flat)		BOT CHORD	Rigid ceiling directly a	pplied or 10-0-0 oc braci	ng.
,	,	-8), 9=2842/0-4-8 (min. 0-1-8)				
TOP CHORD 1-17:	=-1046/0, 1-2=-1640/0, 2-3=-	s 250 (lb) or less except when s 4431/0, 3-4=-6465/0, 4-5=-768	7/0, 5-6=-8086/0, 6-7=-5			
WEBS 1-16:	=0/1896, 2-16=-1885/0, 2-15=	.14=0/5619, 12-13=0/7247, 11- =0/1340, 3-15=-1367/0, 3-13=0				
	=0/2750, 7-9=-4982/0, 6-10=-	-3948/0				
	nas/have been modified. Build	ding designer must review load	ls to verify that they are o	correct for the intended u	ise of this	
		at 10-0-0 oc and fastened to	each truss with 3-10d (0.	.131" X 3") nails. Strong	backs to	
3) CAUTION, Do not	s at their outer ends or restra erect truss backwards.	2				
the member must b	be braced.	ct the size, type or the orientation				
	re only graphical representati to support the loads indicate	ions of a possible bearing cond d.	lition. Bearing symbols a	re not considered in the	structural	
6) Web bracing show	n is for lateral support of indiv	vidual web members only. Refe d Wood Trusses for additional b			Installing,	
7) SEE BCSI-B3 SUN	/IMARY SHEET- PERMANE!	NT RESTRAING/BRACING OF P CHORD, BOTTOM CHORD,	CHORDS & WEB MEM	BERS FOR RECOMME		
		ECT ARCHITECT OR ENGINE				ARO
LOAD CASE(S) Stan 1) Dead + Floor Live	dard (balanced): Lumber Increase	=1.00. Plate Increase=1 00			OFES	SIDA NATIN
Uniform Loads (plf		,			and a second	Lei
Concentrated Load Vert: 6=-27	ls (lb)				2814	
	ease=1.00, Plate Increase=1	.00				
Vert: 9-17=	-8, 1-8=-80				A ANGIN	EEA AS INT
Concentrated Loac Vert: 6=-27					man K.	Monum
	atom nonomotons and need notes				11/1	2/2024

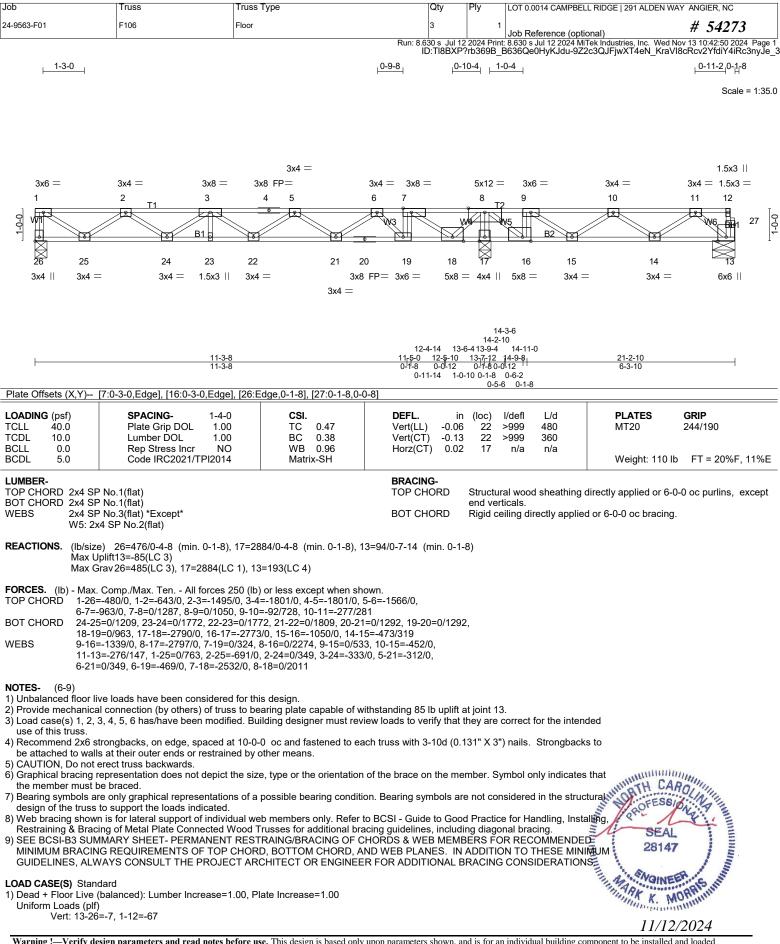


Job	Truss	Truss Type	Qty	Ply	LOT 0.0014 CAMPBELL RIDGE 291 ALDEN WAY	ANGIER, NC
24-9563-F01	F105A	FLOOR	1	2	Job Reference (optional)	# 54273
	·				8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Nov Qe0HyKJdu-hNUEs4IdycPcSUoon73Gmw3K8	

LOAD CASE(S) Standard Concentrated Loads (Ib)

Vert: 6=-3500





24-9563-F01 F106 Floor 3 1 # 542	Job	Truss	Truss Type	Qty	Ply	LOT 0.0014 CAMPBELL RIDGE 291 ALDEN WAY	ANGIER, NC
Job Reference (optional)	24-9563-F01	F106	Floor	3	1	Job Reference (optional)	# 54273

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 Mi Lek Industries, Inc. Wed Nov 13 10:42:50 2024 Page 2 ID:TI8BXP?rb369B_B636Qe0HyKJdu-9Z2c3QJFjwXT4eN_KraVI8cRcv2YfdiY4iRc3nyJe_3

LOAD CASE(S) Standard Concentrated Loads (Ib)
Vert: 9=-960 7=-960
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-26=-7, 1-12=-67
Concentrated Loads (lb)
Vert: 9=-960 7=-960
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Úniform Loads (plf)
Vert: 13-26=-7, 1-8=-67, 8-12=-13
Concentrated Loads (lb)
Vert: 9=-960 7=-960
2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-26=-7, 1-8=-13, 8-12=-67
Concentrated Loads (lb)
Vert: 9=-960 7=-960
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-26=-7, 1-8=-67, 8-12=-13
Concentrated Loads (lb)
Vert: 9=-960 7=-960
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf) Vert: 13-26=-7, 1-8=-13, 8-12=-67
Velt. $13-20-7$, $1-0-13$, $0-12-07$

Concentrated Loads (lb) Vert: 9=-960 7=-960



Job	Truss	Truss Type	Qty	Ply	LOT 0.0014 CAMPBELL	RIDGE 291 ALDEN W	/AY ANGIER, NC
24-9563-F01	F106A	Floor	3	1	Joh Roforance (antio	nal)	# 54273
<u>⊢ 1-3-0</u>		1		22024 Print: 369B_B636 0 ₇ 4-12	Job Reference (optio : 8.630 s Jul 12 2024 MiT Qe0HyKJdu-emb_Grr	ek Industries, Inc. Wed nKtUDfKhoyBuY5krL	Nov 13 10:42:51 2024 Page 1 3aCJJXO4UiJMB9bDyJe_2 <u>0-11-6</u> _0-1 <mark>7</mark> -8
$3x6 =$ 1 25 24 $3x4 \parallel 3x6 =$	3x4 = 1.5x3 3x4 = 2 T1 3 4 3x4 = 2 T1 3 4 2 T1 2 2 2 T3 3 4 2 T1 3	3x4 = 3x8 FP = 3x6 = 5 6 7 3x6 = 3x4 = 22 21 3x4 = 3x6 =	4x8 = 8 20 4x8 =	5x8 = 9 12 19 18 3x4 5x5 =	3x4 = 10 10 17 16 3x8 FP= 4x4 =	3x4 = 11 8 82 15 3x4 =	Scale = 1:35.0 3x4 = 1.5x3 = 12 12 12 14 $3x4 = 3x4 \parallel$
Plata Offacto (X V) 11	9-3-0 9-3-0 2-0 1 9 Edge 0 1	01	13-7-12 4-4-12	I		21-2-10 7-6-14	
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	2:0-1-8,Edge], [25:Edge,0-1- SPACING- 1-4-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr NC Code IRC2021/TPI2014	CSI. TC 0.61 BC 0.66 WB 0.92	Vert(LL) -0.06	5 22 ×)21-22 ×	l/defl L/d >999 480 >826 360 n/a n/a	PLATES MT20 Weight: 108 I	GRIP 244/190 b FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SP N BOT CHORD 2x4 SP N WEBS 2x4 SP N REACTIONS. (Ib/size) Max Upl	Vo.1(flat) vo.1(flat) vo.3(flat) 25=613/0-4-8 (min. 0-1-8), ift13=-264(LC 3)	, 13=-85/0-7-14 (min. 0-1-8), 1	BRACING- TOP CHORD BOT CHORD 8=1966/0-4-8 (min. 0-	end verti Rigid cei		irectly applied or 6-	0-0 oc purlins, except
FORCES. (Ib) - Max. C TOP CHORD 1-25=-(4-5=-20 10-11= BOT CHORD 23-24= 17-18= WEBS 9-18=- 12-14=	617/0, 13-26=-12/266, 12-26 308/0, 5-6=-2808/0, 6-7=-295 0/1211, 11-12=0/337 0/1612, 22-23=0/2592, 21-22 -2911/0, 16-17=-1704/0, 15- 1892/0, 9-17=0/941, 10-17=- -421/0, 1-24=0/1013, 2-24=-	250 (lb) or less except when sh =-12/265, 1-2=-855/0, 2-3=-213 94/0, 7-8=-1298/0, 8-9=0/2201, 2=0/2993, 20-21=0/2994, 19-20	32/0, 3-4=-2132/0, 9-10=0/2237, 0=-401/0, 18-19=-2966, 30/0, 11-14=0/502, 0, 4-22=0/323,	/0,			
 Provide mechanical a Load case(s) 1, 2, 3, use of this truss. Recommend 2x6 stra be attached to walls i CAUTION, Do not en Graphical bracing rep the member must be Bearing symbols are design of the truss to Web bracing shown i Restraining & Bracing SEE BCSI-B3 SUMM MINIMUM BRACING GUIDELINES, ALWA LOAD CASE(S) Standa 	4, 5, 6 has/have been modif ongbacks, on edge, spaced a at their outer ends or restrain ect truss backwards. oresentation does not depict braced. only graphical representation support the loads indicated. s for lateral support of individ g of Metal Plate Connected V IARY SHEET- PERMANENT REQUIREMENTS OF TOP YS CONSULT THE PROJECT	is to bearing plate capable of w ied. Building designer must rev at 10-0-0 oc and fastened to ea ed by other means. the size, type or the orientation ns of a possible bearing conditi dual web members only. Refer to Vood Trusses for additional bra RESTRAING/BRACING OF C CHORD, BOTTOM CHORD, A CT ARCHITECT OR ENGINEE	iew loads to verify that ach truss with 3-10d (0. a of the brace on the mo on. Bearing symbols a to BCSI - Guide to Goo acing guidelines, incluc CHORDS & WEB MEM ND WEB PLANES. IN	they are c 131" X 3") ember. Syn re not cons od Practice ling diagor BERS FOI I ADDITIO	correct for the intend nails. Strongbacks mbol only indicates sidered in the structure for Handling, Instal nal bracing. R RECOMMENDED N TO THESE MINIK	that	PORT IN THE REPORT OF THE REPO
Uniform Loads (plf) Vert: 13-25=-		afora use. This design is based only	in the second	and in france	individual best dis-	11/12	2/2024

•	Job	Truss	Truss Type	Qty	Ply	LOT 0.0014 CAMPBELL RIDGE 291 ALDEN WAY A	NGIER, NC
2	24-9563-F01	F106A	Floor	3	1	Job Reference (optional)	# 54273
			Dum 0.0	20 - 111 12	2024 Duint	8 620 a Jul 12 2024 MiTak Industriaa Jaa Wed Nev 1	2 40.40.E4 2024 Day

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Nov 13 10:42:51 2024 Page 2 ID:TI8BXP?rb369B_B636Qe0HyKJdu-emb_GmKtUDfKhoyBuY5krL8aCJJXO4UiJMB9bDyJe_2

LOAD CASE(S) Standard Concentrated Loads (Ib)
Vert. 7=-960
2) Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 13-25=-7. 1-12=-67
Concentrated Loads (lb) Vert: 7=-960
 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)
Vert: 13-25=-7, 1-9=-67, 9-12=-13
Concentrated Loads (lb) Vert: 7=-960
 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)
Vert: 13-25=-7, 1-9=-13, 9-12=-67
Concentrated Loads (lb) Vert: 7=-960
 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)
Vert: 13-25=-7, 1-9=-67, 9-12=-13 Concentrated Loads (lb)
Vert: 7=-960
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)
Vert: 13-25=-7, 1-9=-13, 9-12=-67 Concentrated Loads (lb)
Vert: 7=-960



Job	Truss	Truss Type	Qty	Ply LOT 0	.0014 CAMPBEL	L RIDGE 291 ALDEN V	VAY ANGIER. NC
24-9563-F01	F106B	Floor	4	1			# 54273
			Run: 8.630 s Jul 1	2 2024 Print: 8.630	eference (options Jul 12 2024 MiT	ek Industries, Inc. Wed	Nov 13 10:42:51 2024 Page 1 8aqJO1O8MiJMB9bDyJe_2
1-3-0			0 _[3 ₁ 0 <u>1-4-</u>				<u>0-11-6</u> 0- <u>1</u> -8
i i				1			Scale = 1:35.0
							Scale = 1:35.0
		3x4 =					$_{3x4} =$
3x6 = 1	3x4 = 3x8 = 2	3x8 FP= 4 5	3x4 = 4x10 = 6	3x6 =	3x4 == 9	3x4 == 10	1.5x3 =
1							
		B1 B1				B2	
			<u>[%;_]</u>	17 1	<u> </u>		- X
25 24 3x4 3x4 =	23 22 3x4 = 1.5x3	21 20 3x4 = 3x4 =	19 18 3x4	17 1 4x6 =	6 15 3x8 FP=	14 3x4 =	$13 12 \\ 3x4 = 3x4 \parallel$
384	574 — 1.575	5,44 — 5,54 —	4x4 =		3X0 FF —	5,44 —	5x4 — 5x4
				13-7-12		04.0.40	
ŀ		0-0 0-0		3-6-4)-8-6 0-1-8		21-2-10 7-6-14	
Plate Offsets (X,Y) [11:0-1-8,Edge], [25:Edge,0-1	8]	0-8-0	0-1-0			
LOADING (psf)	SPACING- 1-4-			(loc) l/defl	L/d	PLATES	GRIP
TCLL 40.0 TCDL 10.0	Plate Grip DOL 1.00 Lumber DOL 1.00	-	Vert(LL) -0.06 Vert(CT) -0.13		480 360	MT20	244/190
BCLL 0.0 BCDL 5.0	Rep Stress Incr NC Code IRC2021/TPI2014		Horz(CT) 0.02	2 17 n/a	n/a	Weight: 108	lb FT = 20%F, 11%E
LUMBER-			BRACING-				
TOP CHORD 2x4 SP BOT CHORD 2x4 SP			TOP CHORD	Structural woo end verticals.	od sheathing c	lirectly applied or 6	-0-0 oc purlins, except
	No.3(flat)		BOT CHORD		irectly applied	l or 6-0-0 oc bracin	g.
		, 12=6/0-7-14 (min. 0-1-8), 17=	=2022/0-4-8 (min. 0-1-8	3)			
	blift12=-173(LC 3) av25=475(LC 3), 12=106(LC	4), 17=2022(LC 1)					
FORCES. (Ib) - Max.	Comp./Max. Ten All forces	250 (lb) or less except when sh	iown.				
TOP CHORD 1-25=		9/0, 3-4=-1724/0, 4-5=-1724/0,					
BOT CHORD 23-24	=0/1178, 22-23=0/1711, 21-2	2=0/1711, 20-21=0/1715, 19-20		,			
WEBS 8-17=	-600/0, 8-16=0/774, 9-16=-74	i=-1206/0, 14-15=-1206/0, 13-1 3/0, 9-14=0/459, 10-14=-423/0	, 10-13=-56/343,				
	=-282/68, 1-24=0/743, 2-24=- 0/355, 6-19=-628/0, 7-19=0/4	672/0, 2-23=0/331, 3-23=-314/ 90, 7-17=-2859/0	0, 5-20=-328/0,				
NOTES- (6-9)							
1) Unbalanced floor liv	e loads have been considere	d for this design. ss to bearing plate capable of w	vithotonding 172 lb unlif	t at joint 12			
3) Load case(s) 1, 2, 3		ied. Building designer must rev			for the intend	led	
		at 10-0-0 oc and fastened to ea	ach truss with 3-10d (0.	131" X 3") nails	Strongbacks	s to	
be attached to walls 5) CAUTION, Do not e	at their outer ends or restrain rect truss backwards.	ed by other means.					
 Graphical bracing re the member must be 	epresentation does not depict e braced.	the size, type or the orientation	n of the brace on the me	ember. Symbol	only indicates	that	111110
7) Bearing symbols are	e only graphical representatio	ns of a possible bearing conditi	on. Bearing symbols ar	e not considere	d in the struct	tural WHINGTH CA	ROLINI
8) Web bracing shown	is for lateral support of indivi	dual web members only. Refer	to BCSI - Guide to Goo	d Practice for H	andling, Insta	Iling, POFESS	PAS STILL
9) SEE BCSI-B3 SUM	MARY SHEET- PERMANEN	the size, type or the orientation ns of a possible bearing conditi dual web members only. Refer Nood Trusses for additional bra RESTRAING/BRACING OF C CHORD, BOTTOM CHORD, A	CHORDS & WEB MEM	BERS FOR RE	COMMENDE	E SEA	
MINIMUM BRACINO GUIDELINES, ALW	G REQUIREMENTS OF TOP AYS CONSULT THE PROJE	CHORD, BOTTOM CHORD, A CT ARCHITECT OR ENGINEE	ND WEB PLANES. IN ER FOR ADDITIONAL E	ADDITION TO BRACING CON	I HESE MINI	₩UM 2814	2/2024
LOAD CASE(S) Stand							A 1
1) Dead + Floor Live (b	palanced): Lumber Increase=	1.00, Plate Increase=1.00				ARYON	ORREININ
Uniform Loads (plf) Vert: 12-25=	7, 1-11=-67					Minner K.	Monut
						11/12	2/2024
Warning !Verify des Continued on page 2	ign parameters and read notes l	efore use. This design is based only accorporation of component is respon	upon parameters shown, a	nd is for an individ	lual building con	mponent to be installed	and loaded

Job	Truss	Truss Type	Qty	Ply	LOT 0.0014 CAMPBELL RIDGE 291 ALDEN WAY	ANGIER, NC
24-9563-F01	F106B	Floor	4	1	Job Reference (optional)	# 54273
		Pup 8	630 e lul 11	2024 Drint	8 630 s Jul 12 2024 MiTek Industries Inc. Wed New 1	13 10.42.51 2024 Dago 2

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 Mi Tek Industries, Inc. Wed Nov 13 10:42:51 2024 Page 2 ID:TI8BXP?rb369B_B636Qe0HyKJdu-emb_GmKtUDfKhoyBuY5krL8aqJO108MiJMB9bDyJe_2

LOAD CASE(S) Standard
Concentrated Loads (Ib)
Vert: 7=-960
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-25=-7, 1-11=-67
Concentrated Loads (lb)
Vert: 7=-960
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-25=-7, 1-8=-67, 8-11=-13
Concentrated Loads (lb)
Vert: 7=-960
4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-25=-7, 1-8=-13, 8-11=-67
Concentrated Loads (lb) Vert: 7=-960
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-25=-7, 1-8=-67, 8-11=-13
Concentrated Loads (Ib)
Vert. 7=-960
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-25=-7, 1-8=-13, 8-11=-67
Concentrated Loads (lb)
Vert: 7=-960



Job		Truss			Truss Typ	е			Qty	Ply	LOT 0.001	4 CAMPBEL	L RIDGE 29	91 ALDEN W	ay angi	ER, NC
24-9563-F01		F107			Floor Suppo	orted Gable			1	1	Job Refe	rence (optio	onal)		# .	54273
								Run:	8.630 s Jul ID:TI8BXP	12 2024 Prin ?rb369B_B	t: 8.630 s Ju 636Qe0Hy	12 2024 Mi KJdu-emb	GmKtUDfk	s, Inc. Wed N KhoyBuY5ki	lov 13 10 L8j2JTi	:42:51 2024 Page 1 OlaiJMB9bDyJe_
																0- <u>1</u> -8
																Scale = 1:35.0
				1.5x3	1.5x3											1.5x3
3x4	1.5x3	1.5x3	1.5x3		B FP=	1.5x3	1.5x3	3x4 =	1.5x3	1.5x3	1.5x3	1.5x3	1.5x3	1.5x3	1.5x3	1.5x3 =
1	2	³ т1	4	5	67	8	9	10	11	12 T2	13	14	15	16	17	18
-0-0	ST1	ST1	ST1	ST1	• 6 ST1 6 B1	ST1	ST1	ST1 W2	ST1	ST1	ST1	ST1	ST1 B2	ST1	ST1	
36	.XXXXX. 35	34	33 33	32	(XXXX) 31	30 xxxxx	29	28 x x x x x x x x x x x x x x x x x x x	(XXXX. 27	26 25		23	22 22	XXXXX 21	20 × × ×	لاندیک 19

LOADING (psf) TCLL 40.0	[1:Edge,0-1-8], [10:0-1-8,Edge], [27:0 SPACING- 1-4-0 Plate Grip DOL 1.00 Lumber DOL 1.00	CSI. TC 0.04	DEFL. i Vert(LL) n/		PLATES GRIP MT20 244/190
TCDL 10.0 BCLL 0.0 BCDL 5.0	Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	BC 0.00 WB 0.02 Matrix-SH	Vert(CT) n/ Horz(CT) 0.0		Weight: 86 lb FT = 20%F, 11%
LUMBER- TOP CHORD 2x4 SP			BRACING- TOP CHORD		directly applied or 6-0-0 oc purlins, excep
BOT CHORD 2x4 SF WEBS 2x4 SF	P No.1(flat) P No.3(flat)		BOT CHORD	end verticals. Rigid ceiling directly applie	ed or 10-0-0 oc bracing.

21-2-10

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

1.5x3 || 1.5x3 || 1.5x3 || 1.5x3 || 3x4 ||

3x8 FP=

1.5x3 || 1.5x3 ||

REACTIONS. All bearings 21-2-10.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 36, 19, 35, 34, 33, 32, 31, 30, 29, 28, 27, 26, 24, 23, 22, 21,

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

NOTES-(6-9)

- 1) Gable requires continuous bottom chord bearing.
- 2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

3x4 || 1.5x3 || 3x4 =

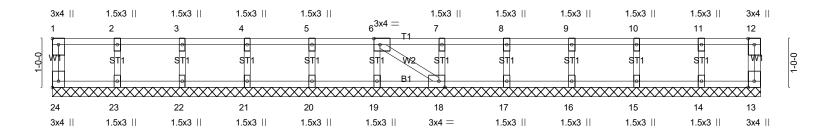
- 3) Gable studs spaced at 1-4-0 oc.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) CAUTION, Do not erect truss backwards.
- 6) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 8) Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing,
- 9) Web blacking short ale is a support of inductar web minors of inductar bedown of the induction of inductio GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	LOT 0.0014 CAMPBELL RIDGE 291 A	ALDEN WAY ANGIER, NC
24-9563-F01	F108	Floor Supported Gable	1	1	Job Reference (optional)	# 54273
					:: 8.630 s Jul 12 2024 MiTek Industries, Ir	

Scale = 1:23.7



			14-6-8		
	[4.Edwa 0 4 0] [0:0 4 0 Edwa] [40:0		14-6-8		
Plate Offsets (X,Y)	[1:Edge,0-1-8], [6:0-1-8,Edge], [18:0-	1-8,Eagej, [24:Eage,0-1-	8]		
LOADING (psf) TCLL 40.0	SPACING- 1-4-0 Plate Grip DOL 1.00	CSI. TC 0.04	DEFL. in Vert(LL) n/s	n (loc) l/defl L/d a - n/a 999	PLATES GRIP MT20 244/190
TCDL 10.0 BCLL 0.0	Lumber DOL 1.00 Rep Stress Incr YES	BC 0.00 WB 0.02	Vert(CT) n/a Horz(CT) 0.00		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	× ,		Weight: 61 lb FT = 20%F, 11%E
LUMBER-			BRACING-		
TOP CHORD 2x4 SF BOT CHORD 2x4 SF			TOP CHORD	Structural wood sheathing end verticals.	directly applied or 10-0-0 oc purlins, except
	P No.3(flat)		BOT CHORD	Rigid ceiling directly applied	d or 10-0-0 oc bracing.

4400

BOT CHORD2x4 SP No.1(flat)WEBS2x4 SP No.3(flat)OTHERS2x4 SP No.3(flat)

REACTIONS. All bearings 14-6-8.

(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- (5-8)

1) Gable requires continuous bottom chord bearing.

- 2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 3) Gable studs spaced at 1-4-0 oc.
- 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.
- 5) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 6) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 7) Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 8) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED
- 8) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



$\frac{J_{00}}{2460LPT} \frac{Trues}{Proc} \frac{Trues}{Proc} \frac{P}{P} \frac{P}{D} P$		T	T			D			
130 130 130 130 120 100 1				be	-	Ply	LOT 0.0014 CAMP	BELL RIDGE 291 ALDEN WA	
$\frac{1420}{160} + \frac{602}{249} + \frac{960}{249} + \frac{960}{249} + \frac{910}{249} + \frac{11729}{240} + \frac{14.19}{240} + 14.$	24-9563-F01	F109	Floor		6		1	optional)	# 54273
$ \begin{array}{c} 1.30 \\ \hline 1.30$					Run: 8.630 s Jul	12 2024 Prir	nt: 8.630 s Jul 12 2024	4 MiTek Industries, Inc. Wed No	ov 13 10:42:52 2024 Page 1
136 = $344 =$ $344 =$ $344 =$ $344 =$ $344 =$ $344 =$ $366 =$ 7 <td></td> <td></td> <td></td> <td></td> <td>ID: H8BXF</td> <td>210309B</td> <td>B036Qe0HyKJdu-</td> <td>699NU6KVFXNBJYXNSGCZ</td> <td></td>					ID: H8BXF	210309B	B036Qe0HyKJdu-	699NU6KVFXNBJYXNSGCZ	
$\frac{140}{140} = \frac{34}{24} = \frac{34}{34} = \frac{36}{7} = \frac{36}{7} = \frac{34}{7} $	1-3-0								0-6-8
$\frac{140}{140} = \frac{34}{24} = \frac{34}{34} = \frac{36}{7} = \frac{36}{7} = \frac{34}{7} $									Scale = 1:24.3
$\frac{1366}{16} = 2$ $\frac{160}{16} + \frac{200}{16} + \frac{200}{16} + \frac{200}{260} + \frac{200}{260} + \frac{210}{260} + \frac{11726}{273} + \frac{1418}{260} + \frac{14110}{260} + \frac{14110}{2$									00010 112110
$\frac{1366}{1640} = 2$ $\frac{160}{15} + \frac{100}{15} + \frac{14}{15} + \frac{14}{14} + \frac{13}{13} + \frac{12}{12} + \frac{11}{10} + \frac{10}{12} + \frac{14}{16} + \frac{14}{$									
$\frac{1366}{1640} = 2$ $\frac{160}{15} + \frac{100}{15} + \frac{14}{15} + \frac{14}{14} + \frac{13}{13} + \frac{12}{12} + \frac{11}{10} + \frac{10}{12} + \frac{14}{16} + \frac{14}{$									
$\frac{1366}{1640} = 2$ $\frac{160}{15} + \frac{100}{15} + \frac{14}{15} + \frac{14}{14} + \frac{13}{13} + \frac{12}{12} + \frac{11}{10} + \frac{10}{12} + \frac{14}{16} + \frac{14}{$									
Image: constraint of the state of the s	3x6 —								
Image: state of the state	1000-	2		3	4		5	6	7
Image: bit is in the second									
Image: bit is in the second			_ //						W3 W1 4
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		х́/	γ		B1 🔽	$\overline{\mathbf{M}}$			
$\begin{array}{c c c c c c c c c c c c c c c c c c c $									
1-6-0 4-0-0 6-6-0 9-1.8 11-7.8 14-1.8 14-1.9 Plate Offsets (X Y)- 16-Edge.0-1-8] 2-6-0 2-6-0 2-6-0 4-0-9-8 LOADING (psf) SPACING- 1-4-0 CSI. DEFL in (loc) l/deft L/d PLATES GRIP TCLL 40.0 Plate Grip DOL 1.00 TC 0.21 Vert(LL) -0.13 12 >999 480 MT20 244/190 TCDL 10.0 Lumber DOL 1.00 BC 0.43 Vert(CT) -0.18 12 >999 480 MT20 244/190 BCLL 0.0 Rep Stress Incr YES WB 0.41 Horz(CT) 0.18 12 >999 480 MT20 244/190 BCDL 5.0 Code IRC2021/TPI2014 Matrix-SH Matrix-SH Weight: 75 Ib FT = 20%F, 11%E LUMBER- TOP CHORD 2x4 SP No.1(flat) BCCL Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. BOT CHORD 710-0-0 oc bracing. WEBS 2x4 SP No.3(flat) BC BC BCOCL Structural wood sheathing directly applied or 10-0-0 oc brac		15	14	13	12	11		10	9 😹
Image: Plate Offsets (X,Y)- Initial Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. Image: Plate Offsets (X,Y)- Initial Structural wood sheathing directly applied or 10-0-0 oc bracing. Image: Plate Offsets (X,Y)- Initial Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. Image: Plate Stress (X,Y)- Initial Structural wood sheathing directly applied or 10-0-0 oc bracing. Image: Plate Stress (X,Y)- Initial Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. Image: Plate Stress (X,Y)- Image: Plate Stress (X,Y)- Image: Plate Stress (X,Y)- Image: Plate Stress (X,Y)- Image: Plate Stress (X,Y)- Image: Plate Stress (X,Y)- Image: Plate Stress (X,Y)- Image: Plate Structural Wood Stru	3x4 3	3x4 =	3x4 =	3x4 =	1.5x3	3x4 =		3x4 =	3x4 = 3x4 ∣∣
Image: Plate Offsets (X,Y)-									
Image: Plate Offsets (X,Y)-									
Image: Plate Offsets (X,Y)- Initial Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. Image: Plate Offsets (X,Y)- Initial Structural wood sheathing directly applied or 10-0-0 oc bracing. Image: Plate Offsets (X,Y)- Initial Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. Image: Plate Stress (X,Y)- Initial Structural wood sheathing directly applied or 10-0-0 oc bracing. Image: Plate Stress (X,Y)- Initial Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. Image: Plate Stress (X,Y)- Image: Plate Stress (X,Y)- Image: Plate Stress (X,Y)- Image: Plate Stress (X,Y)- Image: Plate Stress (X,Y)- Image: Plate Stress (X,Y)- Image: Plate Stress (X,Y)- Image: Plate Structural Wood Stru									
Image: Plate Offsets (X,Y)-									
Image: Plate Offsets (X,Y)-									
Image: Plate Offsets (X,Y)- If a: Edge, 0:1-8] LOADING (psf) SPACING- 1-4-0 CSI. TCLL 40.0 Plate Grip DOL 1.00 TC 0.21 Vert(LL) -0.13 12 >999 480 MT20 244/190 SCLL 0.0 Rep Stress Incr YES WB 0.41 Vert(CT) -0.18 12 >984 360 MT20 244/190 BCDL 5.0 Code IRC2021/TPI2014 Matrix-SH BRACING- TOP CHORD Xet SP No.1(flat) Weight: 75 lb FT = 20%F, 11%E BCM Code IRC2021/TPI2014 Matrix-SH BRACING- TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. WEBS 2x4 SP No.1(flat) Bot CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing. REACTIONS. (lb/size) 16=538/0-4-8 (min. 0-1-8), 8=538/0-4-8 (min. 0-1-8) FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 1.16=-6533/0, 7-8=-538/0, 1-2=-725/0, 2-3=-1729/0, 3-4=-2180/0, 4-5=-2105/0, 5-6=-1498/0, 6-7=-373/0 BOT CHORD 14-15=0/1365, 13-14=0/2069, 12-13=0/2274, 11-12=0/2274, 10-11=0/1922, 9-10=0/1051									
Image: Plate Offsets (X,Y)-	1-6-0	. 4-0-0		6-6-0	9-1-8		11-7-8	14-1-8	. 14-11-0
LOADING (psf) TCLL 40.0 TCDL 10.0 BCL 0.0 BCL 0.0 BCLL 0.0 BCLL 0.0 BCDL 5.0 SPACING- Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014 CSI. TC 0.21 WB 0.41 Matrix-SH DEFL. in (loc) I/defl L/d Vert(LL) -0.13 12 >999 480 Wert(CT) -0.18 12 >999 480 Wert(CT) 0.03 8 n/a n/a PLATES GRIP MT20 LUMBER- TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) WEBS Code IRC2021/TPI2014 WB 0.41 Matrix-SH Vert(CT) -0.18 12 >999 480 Wert(CT) 0.03 8 n/a n/a Weight: 75 lb FT = 20%F, 11%E LUMBER- TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) BRACING- TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS. (lb/size) 16=538/0-4-8 (min. 0-1-8), 8=538/0-4-8 (min. 0-1-8) FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 1-16=-533/0, 7-8=-538/0, 1-2=-725/0, 2-3=-1729/0, 3-4=-2180/0, 4-5=-2105/0, 5-6=-1498/0, 6-7=-373/0 BOT CHORD 14-15=0/1365, 13-14=0/2069, 12-13=0/2274, 11-12=0/2274, 10-11=0/1922, 9-10=0/1051	1-6-0	2-6-0				-			
TCLL 40.0 Plate Grip DOL 1.00 TC 0.21 Vert(LL) -0.13 12 >999 480 MT20 244/190 TCDL 10.0 Lumber DOL 1.00 BC 0.43 Vert(LL) -0.18 12 >999 480 MT20 244/190 BCDL 0.0 Rep Stress Incr YES WB 0.41 Matrix-SH Vert(CT) -0.18 12 >984 360 Weight: 75 lb FT = 20%F, 11%E LUMBER- Code IRC2021/TPI2014 Matrix-SH Matrix-SH Weight: 75 lb FT = 20%F, 11%E LUMBER- TOP CHORD 2x4 SP No.1(flat) Matrix-SH TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. BOT CHORD 2x4 SP No.3(flat) BT = 538/0-4-8 (min. 0-1-8), 8=538/0-4-8 (min. 0-1-8) BOT CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing. REACTIONS. (lb)-isize) 16=538/0-4-8 (min. 0-1-8), 8=538/0-4-8 (min. 0-1-8) BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 1-16=-533/0, 7-8=-538/0, 1-2=-725/0, 2-3==-1729/0, 3-4=-2180/0, 4-5=-2105/0, 5-6=-1498/0, 6-7=-373/0 <td< td=""><td>Plate Offsets (X,Y)</td><td>[16:Edge,0-1-8]</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	Plate Offsets (X,Y)	[16:Edge,0-1-8]							
TCLL 40.0 Plate Grip DOL 1.00 TC 0.21 Vert(LL) -0.13 12 >999 480 MT20 244/190 TCDL 10.0 Lumber DOL 1.00 BC 0.43 Vert(LT) -0.18 12 >999 480 MT20 244/190 BCDL 0.0 Rep Stress Incr YES WB 0.41 Matrix-SH Vert(CT) -0.18 12 >999 480 Weight: 75 lb FT = 20%F, 11%E LUMBER- Code IRC2021/TPI2014 Matrix-SH Matrix-SH Weight: 75 lb FT = 20%F, 11%E LUMBER- TOP CHORD 2x4 SP No.1(flat) Matrix-SH TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. BOT CHORD 2x4 SP No.3(flat) BT = 538/0-4-8 (min. 0-1-8), 8=538/0-4-8 (min. 0-1-8) BOT CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing. REACTIONS. (lb)-isize) 16=538/0-4-8 (min. 0-1-8), 8=538/0-4-8 (min. 0-1-8) BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 1-16=-533/0, 7-8=-538/0, 1-2=-725/0, 2-3==-1729/0, 3-4=-2180/0, 4-5==-2105/0, 5-6=-1498/0, 6-7=-373/0 <t< td=""><td>LOADING (psf)</td><td>SPACING-</td><td>1-4-0</td><td>CSI.</td><td>DEFL. i</td><td>n (loc)</td><td>l/defl L/d</td><td>PLATES</td><td>GRIP</td></t<>	LOADING (psf)	SPACING-	1-4-0	CSI.	DEFL. i	n (loc)	l/defl L/d	PLATES	GRIP
BCLL 0.0 Rep Stress Incr YES WB 0.41 Horz(CT) 0.03 8 n/a N/a LUMBER- TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) BRACING- TOP CHORD 2x4 SP No.1(flat) BRACING- TOP CHORD 2x4 SP No.1(flat) BRACING- TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. BOT CHORD WEBS 2x4 SP No.3(flat) BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. BOT CHORD REACTIONS. (lb/size) 16=538/0-4-8 (min. 0-1-8), 8=538/0-4-8 (min. 0-1-8) BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 1-16=-533/0, 7-8=-538/0, 1-2=-725/0, 2-3==-1729/0, 3-4=-2180/0, 4-5=-2105/0, 5-6=-1498/0, 6-7=-373/0 BOT CHORD 6-7=-373/0 14-15=0/1365, 13-14=0/2069, 12-13=0/2274, 11-12=0/2274, 10-11=0/1922, 9-10=0/1051		Plate Grip DOL						MT20 2	244/190
BCDL 5.0 Code IRC2021/TPI2014 Matrix-SH Weight: 75 lb FT = 20%F, 11%E LUMBER- TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) WEBS BRACING- TOP CHORD TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. WEBS 2x4 SP No.3(flat) BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS. (lb/size) 16=538/0-4-8 (min. 0-1-8), 8=538/0-4-8 (min. 0-1-8) BOT CHORD FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 1-16=-533/0, 7-8=-538/0, 1-2=-725/0, 2-3=-1729/0, 3-4=-2180/0, 4-5=-2105/0, 5-6=-1498/0, 6-7=-373/0 BOT CHORD 14-15=0/1365, 13-14=0/2069, 12-13=0/2274, 11-12=0/2274, 10-11=0/1922, 9-10=0/1051					()				
TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) WEBS 2x4 SP No.3(flat) TOP CHORD 2x4 SP No.1(flat) BOT CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS. (lb/size) 16=538/0-4-8 (min. 0-1-8), 8=538/0-4-8 (min. 0-1-8) TOP CHORD 1-16=-533/0, 7-8=-538/0, 1-2=-725/0, 2-3=-1729/0, 3-4=-2180/0, 4-5=-2105/0, 5-6=-1498/0, 6-7=-373/0 Structural wood sheathing directly applied or 10-0-0 oc bracing. FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 1-16=-533/0, 7-8=-538/0, 1-2=-725/0, 2-3=-1729/0, 3-4=-2180/0, 4-5=-2105/0, 5-6=-1498/0, 6-7=-373/0 6-7=-373/0 BOT CHORD 14-15=0/1365, 13-14=0/2069, 12-13=0/2274, 11-12=0/2274, 10-11=0/1922, 9-10=0/1051					11012(01) 0.0	5 0	11/a 11/a	Weight: 75 lb	FT = 20%F, 11%E
TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) WEBS TOP CHORD 2x4 SP No.1(flat) 2x4 SP No.3(flat) Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. BOT CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing. REACTIONS. (lb/size) 16=538/0-4-8 (min. 0-1-8), 8=538/0-4-8 (min. 0-1-8) TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing. FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 1-16=-533/0, 7-8=-538/0, 1-2=-725/0, 2-3=-1729/0, 3-4=-2180/0, 4-5=-2105/0, 5-6=-1498/0, 6-7=-373/0 BOT CHORD 6-7=-373/0 14-15=0/1365, 13-14=0/2069, 12-13=0/2274, 11-12=0/2274, 10-11=0/1922, 9-10=0/1051									
BOT CHORD 2x4 SP No.1(flat) end verticals. WEBS 2x4 SP No.3(flat) BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS. (lb/size) 16=538/0-4-8 (min. 0-1-8), 8=538/0-4-8 (min. 0-1-8) FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 1-16=-533/0, 7-8=-538/0, 1-2=-725/0, 2-3=-1729/0, 3-4=-2180/0, 4-5=-2105/0, 5-6=-1498/0, 6-7=-373/0 6-7=-373/0 BOT CHORD 14-15=0/1365, 13-14=0/2069, 12-13=0/2274, 11-12=0/2274, 10-11=0/1922, 9-10=0/1051		No 1(flat)				Structu	ural wood sheathiu	ng directly applied or 6-0.	0 oc purlins except
REACTIONS. (lb/size) 16=538/0-4-8 (min. 0-1-8), 8=538/0-4-8 (min. 0-1-8) FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 1-16=-533/0, 7-8=-538/0, 1-2=-725/0, 2-3=-1729/0, 3-4=-2180/0, 4-5=-2105/0, 5-6=-1498/0, 6-7=-373/0 BOT CHORD 14-15=0/1365, 13-14=0/2069, 12-13=0/2274, 11-12=0/2274, 10-11=0/1922, 9-10=0/1051								ing directly applied of 0.0	
FORCES. (Ib) - Max. Comp./Max. Ten All forces 250 (Ib) or less except when shown. TOP CHORD 1-16=-533/0, 7-8=-538/0, 1-2=-725/0, 2-3=-1729/0, 3-4=-2180/0, 4-5=-2105/0, 5-6=-1498/0, 6-7=-373/0 BOT CHORD 14-15=0/1365, 13-14=0/2069, 12-13=0/2274, 11-12=0/2274, 10-11=0/1922, 9-10=0/1051	WEBS 2x4 SF	P No.3(flat)			BOT CHORD	Rigid c	eiling directly app	blied or 10-0-0 oc bracing	
FORCES. (Ib) - Max. Comp./Max. Ten All forces 250 (Ib) or less except when shown. TOP CHORD 1-16=-533/0, 7-8=-538/0, 1-2=-725/0, 2-3=-1729/0, 3-4=-2180/0, 4-5=-2105/0, 5-6=-1498/0, 6-7=-373/0 BOT CHORD 14-15=0/1365, 13-14=0/2069, 12-13=0/2274, 11-12=0/2274, 10-11=0/1922, 9-10=0/1051	REACTIONS. (Ib/size	e) 16=538/0-4-8 (min	0-1-8) 8=538/0-	4-8 (min 0-1-8)					
TOP CHORD 1-16=-533/0, 7-8=-538/0, 1-2=-725/0, 2-3=-1729/0, 3-4=-2180/0, 4-5=-2105/0, 5-6=-1498/0, 6-7=-373/0 BOT CHORD 14-15=0/1365, 13-14=0/2069, 12-13=0/2274, 11-12=0/2274, 10-11=0/1922, 9-10=0/1051	,	, (<i>,,</i>	()					
BOT CHORD 14-15=0/1365, 13-14=0/2069, 12-13=0/2274, 11-12=0/2274, 10-11=0/1922, 9-10=0/1051							070/0		
							373/0		
							615		

NOTES- (2-5)

1) 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.

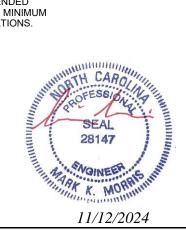
2) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.

3) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

4) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.

5) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	LOT 0.0014 CAMPBEL	RIDGE 291 ALDEN \	WAY ANGIER, NC
24-9563-F01	F110	Floor	7		1	(mal)	# 54273
			Run: 8.630 s Ji	ul 12 2024 Pr	Job Reference (optic int: 8.630 s Jul 12 2024 Mil	ek Industries, Inc. Wed	l Nov 13 10:42:52 2024 Page OZhq4jhu7eUrY0wj7gyJe
1-3-0			ID. HOBAP	103090_0	JSOQEOHYKJUU-OYSINO	JKVFAIIBJYAN3GCZ	0-6-8
							Scale = 1:24
	3x4 =	3x4 =	3x8 =		3x4 =	3x4 =	4x6 =
1 ^{3x6} =	3x4 — 2	3×4 —	5x6 — 4		5	5x4 — 6	410
0-0-1 W1				/			W3 W1
			B1 6			í/	
, <u>N</u>			I _J				
18	15	14 13	12	11	10		9 😹
3x4	3x6 =	3x4 = 3x4 =	= 1.5x3	3x4 =	3x4	4 =	4x4 = 3x4
1-6-0 1-6-0	4-0-0 2-6-0	6-6-0 2-6-0	9-1-8 2-7-8		11-7-8 2-6-0	<u>14-1-8</u> 2-6-0	<u> 14-11-0</u> 0-9-8
Plate Offsets (X,Y)							
OADING (psf) CLL 40.0		-7-3 CSI. 1.00 TC 0.28	DEFL. Vert(LL) -0	in (loc) .16 12	l/defl L/d >999 480	PLATES MT20	GRIP 244/190
CDL 10.0	Lumber DOL	1.00 BC 0.52	Vert(CT) -0	.21 12	>820 360	11120	211/100
8CLL 0.0 8CDL 5.0	Rep Stress Incr Code IRC2021/TPI	YES WB 0.49 2014 Matrix-SH	Horz(CT) 0	.04 8	n/a n/a	Weight: 75 II	b FT = 20%F, 11%E
UMBER-			BRACING-			5	- ,
OP CHORD 2x4 S			TOP CHORD			lirectly applied or 6	-0-0 oc purlins, except
BOT CHORD 2x4 S VEBS 2x4 S	P No.1(flat) P No.3(flat)		BOT CHORD		erticals. ceiling directly applied	l or 10-0-0 oc braci	na
		1-8), 8=645/0-4-8 (min. 0-1-8)					
,	,						
OP CHORD 1-16 OT CHORD 14-1	639/0, 7-8=-645/0, 1-2=-6 5=0/1637, 13-14=0/2481, 1	es 250 (lb) or less except when s 369/0, 2-3=-2074/0, 3-4=-2614/0, 2-13=0/2727, 11-12=0/2727, 10- =0/533, 3-14=-498/0, 5-11=0/267	4-5=-2524/0, 5-6=-17 11=0/2305, 9-10=0/12	61			
		-0,000, 0-1++90/0, 0-11-0/207	, 0210020/0, 0-10-0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
IOTES- (2-5)) Recommend 2x6	strongbacks, on edge, spac	ed at 10-0-0 oc and fastened to e	each truss with 3-10d	(0.131" X 3	3") nails. Stronobacks	s to	
be attached to wa	lls at their outer ends or res	trained by other means.		•	, 0		
) Graphical bracing the member must		pict the size, type or the orientation	on of the brace on the	member. S	symbol only indicates	tnat	
		ations of a possible bearing condi					

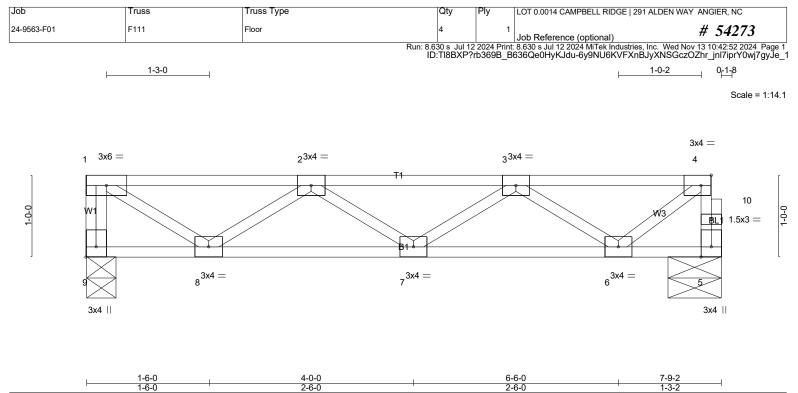
3) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

4) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.

5) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard





LOADING (psf)	SPACING- 1-7-3	CSI.	DEFL. in (loc) I/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.22	Vert(LL) -0.01 7 >999	480		244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.14	Vert(CT) -0.02 7 >999	360		
BCLL 0.0	Rep Stress Incr YES	WB 0.21	Horz(CT) 0.00 5 n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-P	(-),		Weight: 40 lb	FT = 20%F, 11%E

TOP CHORD2x4 SP No.1(flat)BOT CHORD2x4 SP No.1(flat)WEBS2x4 SP No.3(flat)

BRACING-TOP CHORD BOT CHORD

 Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 Diricit acting directly applied or 40.0 oc brackers

D Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 9=330/0-4-8 (min. 0-1-8), 5=325/0-7-14 (min. 0-1-8)

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

TOP CHORD 1-9=-326/0, 5-10=-323/0, 4-10=-322/0, 1-2=-378/0, 2-3=-692/0, 3-4=-326/0

BOT CHORD 7-8=0/698, 6-7=0/656

WEBS 1-8=0/448, 2-8=-391/0, 3-6=-403/0, 4-6=0/391

NOTES- (3-6)

1) 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.

2) CAUTION, Do not erect truss backwards.

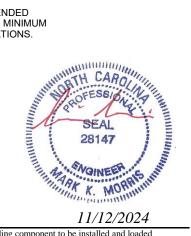
3) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.

4) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

5) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.

6) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

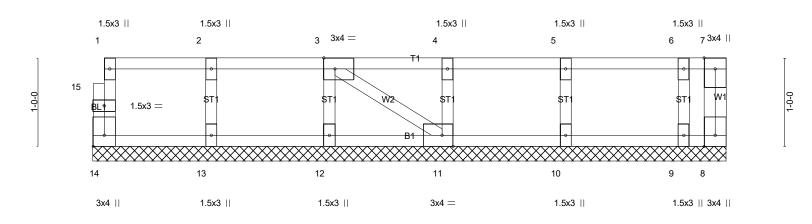
LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	LOT 0.0014 CAMPBELL RIDGE 291 ALDEN WAY ANGIER, NC
24-9563-F01	F112	Floor Supported Gable	1	1	Job Reference (optional) # 54273
					8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Nov 13 10:42:52 2024 Page 1 36Qe0HyKJdu-6y9NU6KVFXnBJyXNSGczOZhuijpw7lmrY0wj7gyJe_1

0<u>-1-</u>8

Scale = 1:13.0



L			7-1-12				
	[2.0.4.0 Edge] [44.0.4.0 Edge] [44.5		7-1-12				
Plate Olisets (X, Y)	[3:0-1-8,Edge], [11:0-1-8,Edge], [14:E	age,0-1-8j					
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.05 BC 0.01 WB 0.02 Matrix-P	DEFL. ir Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00	- n/a	999	PLATES MT20 Weight: 33 lb	GRIP 244/190 FT = 20%F, 11%E
			BRACING- TOP CHORD BOT CHORD	end verticals.	0	directly applied or 6-0)-0 oc purlins, except g.

REACTIONS. All bearings 7-1-12.

(lb) - Max Uplift All uplift 100 lb or less at joint(s) 8

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

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

NOTES- (7-10)

- 1) Gable requires continuous bottom chord bearing.
- 2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 3) Gable studs spaced at 1-4-0 oc.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8.
- 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.
- 7) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 8) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED
- 10) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDI MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



Job		Truss	Iruss	s Type		Qty	Ply	LOT 0.0014 CAMPI	BELL RIDGE 291	ALDEN WAY AN	GIER, NC
24-9563-F01		F113	Floor	Supported Gable		1	1	Job Reference (c	optional)	#	54273
			·			Run: 8.630 s ID:TI8B2	Jul 12 2024 Print: XP?rb369B_B6	8.630 s Jul 12 2024 36Qe0HyKJdu-6y	MiTek Industries, 9NU6KVFXnBJ	Inc. Wed Nov 13	10:42:52 2024 Page 1 jpw7lorY0wj7gyJe_1
											0 ₁ 1 ₁ 8
											Scale = 1:24.3
											1.5x3
3x4	1.5x3	1.5x3	1.5x3	1.5x3	3x4 =	1.5x3	1.5x3	1.5x3	1.5x3	1.5x3	1.5x3 =
1	2	3	4	5	6 	7	8	9	10	11	12
	•	<u>e</u>	•	•		•	•	0		•	<u>→</u> 25 ♀
	ST1	ST1	ST1	ST1	ST1 W2	ST1	ST1	ST1	ST1	ST1	
	XXXXX	XXXXXXXXX	XXXXXXXXX			XXXXXXX					
24	23	22	21	20	19	18	17	16	15	14	13
3x4	1.5x3	1.5x3	1.5x3	1.5x3	1.5x3	3x4 =	1.5x3	1.5x3	1.5x3	1.5x3	3x4

1			14-9-10		1
1			14-9-10		
Plate Offsets (X,Y)	[1:Edge,0-1-8], [6:0-1-8,Edge], [18:0-	1-8,Edge], [24:Edge,0-1-	8]		
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0	SPACING- 1-4-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES	CSI. TC 0.04 BC 0.01 WB 0.02	DEFL. i Vert(LL) n/ Vert(CT) n/ Horz(CT) 0.0	a - n/a 999	PLATES GRIP MT20 244/190
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH			Weight: 61 lb FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SP BOT CHORD 2x4 SP	ν No.1(flat)	II	BRACING- TOP CHORD	end verticals.	ng directly applied or 6-0-0 oc purlins, except
WEBS 2x4 SP	PNo.3(flat)		BOT CHORD	Rigid ceiling directly app	plied or 10-0-0 oc bracing.

.

OTHERS 2x4 SP No.3(flat)

REACTIONS. All bearings 14-9-10.

(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-(6-9)

1) Gable requires continuous bottom chord bearing.

- 2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 3) Gable studs spaced at 1-4-0 oc
- 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.
- 5) CAUTION, Do not erect truss backwards.
- 6) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 8) Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing, 9) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED
- GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



Job	Truss	Truss Type		Qty F	Ply	LOT 0.0014 CAMPBELI	RIDGE 291 ALDEN V	WAY ANGIER, NC
4-9563-F01	F114	Floor		7	1	Job Reference (optio	nal)	# 54273
			Run: 8.63	30 s Jul 12 2	024 Print:	3.630 s Jul 12 2024 MiT	ek Industries, Inc. Wed	Nov 13 10:42:53 2024 Pag mEyX7y1szp?nggGg6y
1 2 0	1 1 0		ID.I		090_003		LOUIW2X55ZUZ/CWI	
1-3-0	0 1-1-8							0-8-2 0-1-8
								Scale = 1:2
								4x4 =
₄ 4x8 =	3x8 =	3x4 =	3x8 =			3x4 =	3x4 =	1.5x3 =
1 4×0 -	2	3	4			5	6	7
	W3		B1 B1					W4 B1 18
, K								
\mathbb{X}	16 15	14	13 12	11		10		9 🖂
3x4	5x8 = 3x4	3x4 =	3x4 = 1.5x3	3x4 =	=	3x4 =	=	4x4 = 3x4
H	<u>2-9-0</u> 2-9-0			<u>15-2-2</u> 12-5-2				
late Offsets (X,Y	/) [1:Edge,0-1-8], [7:0-1-8,E	Edge], [17:Edge,0-1-8]		12-5-2				
OADING (psf)	SPACING-	1-4-0 CSI .	DEFL.	in	(loc) l/	defl L/d	PLATES	GRIP
CLL 40.0	Plate Grip DOL	1.00 TC 0.49		-0.14		999 480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00 BC 0.78	8 Vert(CT)	-0.30 1	2-13 >	587 360		
CLL 0.0	Rep Stress Incr	NO WB 1.00	0 Horz(CT) 0.05	8	n/a n/a		

BCDL	0.0 5.0	Code IRC2021/TPI2014	Matrix-SH	Horz(CT) 0.0	15 8 n/a n/a	Weight: 78 lb	FT = 20%F, 11%E
		P No.1(flat)		BRACING- TOP CHORD	Structural wood sheathing	directly applied or 6.0	
BOT CHO	ORD 2x4 S	P No.1(flat)			end verticals.	,	
WEBS	2x4 S	P No.3(flat)		BOT CHORD	Rigid ceiling directly applied	d or 10-0-0 oc bracing	

REACTIONS. (lb/size) 17=1206/0-4-8 (min. 0-1-8), 8=684/0-7-14 (min. 0-1-8)

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

TOP CHORD 1-17=-1199/0, 8-18=-685/0, 7-18=-683/0, 1-2=-1767/0, 2-3=-3551/0, 3-4=-3609/0, 4-5=-3113/0, 5-6=-2109/0, 6-7=-582/0

BOT CHORD

15-16=0/3355, 14-15=0/3355, 13-14=0/3700, 12-13=0/3491, 11-12=0/3491, 10-11=0/2731, 9-10=0/1463 1-16=0/2094, 2-16=-1936/0, 4-11=-455/0, 5-11=0/466, 5-10=-760/0, 6-10=0/788, 6-9=-1075/0, 7-9=0/826

WEBS

NOTES- (4-7)

1) Load case(s) 1, 2 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

- 2) 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.
- 3) CAUTION, Do not erect truss backwards.
- 4) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 5) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 6) Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.

7) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard

Vert: 2=-800

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 8-17=-7, 1-7=-67 Concentrated Loads (lb) Vert: 2=-800 2) Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert 8-17=-7 1-7=-67 Concentrated Loads (lb)



Job 24-9563-F01	Truss F115	Truss Type FLOOR	Qty 2	Ply LOT 0.	0014 CAMPBELL RI	IDGE 291 ALDEN W	AY ANGIER, NC # 54273
<u>1-3-0</u>	<u> </u>	<u> </u>	Run: 8.630 s Jul 12 ID:TI8BXP?rb	2024 Print: 8.630 s	eference (optional ; Jul 12 2024 MiTek HyKJdu-a8jlhSL8	Industries, Inc. Wed I	Nov 13 10:42:53 2024 Page 1 Euk7??ste?nggGg6yJe_0 0-8-20-18 Scale = 1:25.3
1 5x10 = 0 1 5x10 = 0 1 5x10 = 1 3x6 10x	3x10 = 2 6 15 14 10 3x6 3x6	3 13 12 13 12	8 = 2 11 6 4x6	3x4 = 5	10 5x6		4x4 = $1.5x3 =$ 7 18 18 10 10 10 10 10 10 10
<u>2-9</u> 2-9 Plate Offsets (X,Y)	-0	[16:0-3-0,Edge], [18:0-1-8,0-0-8]	15-2-2 12-5-2				
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr NO Code IRC2021/TPI2014	TC 0.73 W BC 0.59 W WB 0.75 H	DEFL. in /ert(LL) -0.14 /ert(CT) -0.32 Horz(CT) 0.04	(loc) l/defl 12 >999 13 >555 8 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 98 lb	GRIP 244/190 FT = 20%F, 11%E
		Т		end verticals.	0	ectly applied or 5- r 10-0-0 oc bracin	5-9 oc purlins, except g.
FORCES. (lb) - Max. TOP CHORD 1-17- 6-7=- BOT CHORD 15-16 WEBS 1-16= NOTES- (4-7) 1) Load case(s) 1, 2 h truss. 2) Recommend 2x6 si be attached to walli 3) CAUTION, Do not a 4) Graphical bracing r the member must b 5) Bearing symbols ar design of the truss 6) Web bracing shown Restraining & Braci 7) SEE BCSI-B3 SUM MINIMUM BRACIN GUIDELINES, ALW LOAD CASE(S) Stand 1) Dead + Floor Live (Uniform Loads (pff) Vert: 8-17= Concentrated Load Vert: 2=-10	1445/0, 8-18=-822/0, 7-18=-8 754/0 3=0/4387, 14-15=0/4388, 13-14 0/2666, 2-16=-2492/0, 2-14=0 as/have been modified. Buildir trongbacks, on edge, spaced a s at their outer ends or restrain erect truss backwards. epresentation does not depict the braced. re only graphical representation to support the loads indicated. In is for lateral support of indivic ing of Metal Plate Connected V IMARY SHEET- PERMANENT G REQUIREMENTS OF TOP /AYS CONSULT THE PROJEC dard balanced): Lumber Increase=1 -8, 1-7=-80 s (lb) 00 asse=1.00, Plate Increase=1.0 -8, 1-7=-80 s (lb)	250 (lb) or less except when shown. 20/0, 1-2=-2296/0, 2-3=-4627/0, 3-4=- 1=0/4804, 12-13=0/4554, 11-12=0/4554 /278, 4-11=-636/0, 5-11=0/584, 5-10=- ng designer must review loads to verify t 10-0-0 oc and fastened to each truss ed by other means. The size, type or the orientation of the t as of a possible bearing condition. Bea lual web members only. Refer to BCSI Vood Trusses for additional bracing gu RESTRAING/BRACING OF CHORDS CHORD, BOTTOM CHORD, AND WE CT ARCHITECT OR ENGINEER FOR .00, Plate Increase=1.00	4, 10-11=0/3524 -955/0, 6-10=0/99 y that they are co s with 3-10d (0.13 brace on the mer uring symbols are - Guide to Good uidelines, includir S & WEB MEMB B PLANES. IN A	9-10=0/1891 23, 6-9=-1356/ rrect for the int 31" X 3") nails. nber. Symbol c not considere Practice for H Ig diagonal bra ERS FOR REC ADDITION TO	0, 7-9=0/1026 ended use of thi Strongbacks to nly indicates tha d in the structura andling, Installin cing.	at al ng, JM OPOFESS SEAL 28147 ARK K. N	PORTE INTERNAL

Job	Truss	Truss Type	Qt	y Ply	LOT 0.0014 CA	AMPBELL RIDGE 291 AL	DEN WAY ANGIER, NC
24-9563-F01	F116	Floor	1		1		# 54273
			Run: 8.630 s	Jul 12 2024	Job Reference 4 Print: 8.630 s Jul 12 2	2024 MiTek Industries, Inc.	Wed Nov 13 10:42:53 2024 Page 1
1-3-0			ID: 1186	3XP?rb369 ر0-6-4	B_B636Qe0HyKJd	u-a8jlhSL80rw2x55Z0zi	7CwmE?h76os9g?nggGg6yJe_0 1-4-14 0-1-8
				0-0-4			
							Scale = 1:24.9
							3x4 =
	3x4 =	3x4 =	3x4 =	3x8	8 =	3x4 =	1.5x3 =
1 ^{3x6} =	2	3	4 T1	5		6	7
				- Ai			17 9
-0-0-		// 📉 //		W3		$// \ \setminus$	W1 17 0-0-1
	1 1		B1			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
16 15	14	13		12			
	i = 3x4 =			3x4 = 3x4	4 3x4 =	=	3x4 = 3x4
				0			
1-6-0	4-0-0	6-6-0	9-0-0	9-7-12	11-0-4	13-6-4	15-2-2
1-6-0	2-6-0 :0-1-8,Edge], [16:Edge,0-1-8	2-6-0	2-6-0	0-7-12	1-4-8	2-6-0	1-7-14
LOADING (psf) TCLL 40.0	SPACING- 1-7-3 Plate Grip DOL 1.00	CSI. TC 0.29	DEFL. Vert(LL)	in (lo -0.02	oc) l/defl L/d 14 >999 480	PLATES MT20	GRIP 244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.16	Vert(CT)	-0.03	14 >999 360		
BCLL 0.0 BCDL 5.0	Rep Stress Incr YES Code IRC2021/TPI2014	WB 0.24 Matrix-SH	Horz(CT)	0.01	11 n/a n/a	Weight:	77 lb FT = 20%F, 11%E
LUMBER-			BRACING-				
TOP CHORD 2x4 SP N	lo.1(flat)		TOP CHOP		uctural wood shea	athing directly applied	or 6-0-0 oc purlins, except
BOT CHORD 2x4 SP N WEBS 2x4 SP N			BOT CHOF		d verticals.	applied or 6-0-0 oc br	acing
	. ,		Ber ener	te rug			aong.
	rings 5-7-14 except (jt=length ift All uplift 100 lb or less at j						
		s at joint(s) 8, 10, 9 except 16=3	50(LC 1), 11=82	7(LC 1)			
FORCES. (Ib) - Max. C	omp./Max. Ten All forces 2	50 (lb) or less except when show	wn.				
TOP CHORD 1-16=-3	345/0, 1-2=-409/0, 2-3=-776/), 3-4=-478/0, 4-5=0/406, 5-6=0/					
	0/758, 13-14=0/767, 11-12=- 302/0, 1-15=0/485, 2-15=-426	6/0, 3-13=-353/0, 4-13=0/388, 4-	12=-690/0, 5-12	=0/501, 5-	-10=0/428, 6-10=-	376/0	
NOTES- (4-7)							
1) Provide mechanical of		s to bearing plate capable of with					
	ongbacks, on edge, spaced a at their outer ends or restrain	t 10-0-0 oc and fastened to eac ed by other means	h truss with 3-10)d (0.131"	X 3") nails. Stron	igbacks to	
3) CAUTION, Do not ere	ect truss backwards.				.		
 Graphical bracing rep the member must be 		he size, type or the orientation o	of the brace on th	ne membe	er. Symbol only inc	licates that	
5) Bearing symbols are	only graphical representation	s of a possible bearing condition	n. Bearing symb	ols are no	t considered in the	e structural	
	support the loads indicated. s for lateral support of individ	ual web members only. Refer to	BCSI - Guide to	Good Pr	actice for Handling	a. Installing	
Restraining & Bracing	g of Metal Plate Connected V	/ood Trusses for additional brac	ing guidelines, i	ncluding d	liagonal bracing.		
		RESTRAING/BRACING OF CH CHORD, BOTTOM CHORD, AN				ENDED E MINIMUM	
		CT ARCHITECT OR ENGINEER					CADINI
LOAD CASE(S) Standa	ırd					UNIT OF TH	CAHOLIA
						ST PLOF	EDDIDA: 0 11



Job	Truss	Truss Type	Qty Ply	LOT 0.0014 CAMPBELL RIDGE 291 A	LDEN WAY ANGIER, NC
24-9563-F01	F117	Floor	4	1 Job Reference (optional)	# 54273
			Run: 8.630 s Jul 12 202 ID:TI8BXP?rb36	Job Reference (optional) 24 Print: 8.630 s Jul 12 2024 MiTek Industries, In 9B_B636Qe0HyKJdu-a8jlhSL80rw2x55Z0	c. Wed Nov 13 10:42:53 2024 Page 1)z7CwmE0j75Ls8b?nggGg6yJe 0
⊢ 1	1-3-0			_ , , ,	
					Scale = 1:16.6
					3x4 =
0-0		3x4 =	3x4 =	$3x4 \equiv$	1.5x3 =
1 3x6 =		2	3	4	5
			B1		
	10 3x4 =	9 3x4 =	8 3	x4 =	7 3x4 =
3x4					3x4
	3-0 }-0) [5:0-1-8,Edge], [6:Edg	4-0-0 2-6-0	6-6-0 2-6-0	9-0-0 2-6-0	10-2-2

LOADING (psf)	SPACING- 1-7-3	CSI.	DEFL. in (loc) I/defl L/d	PLATES GRIP
TCLL ÄO.Ó	Plate Grip DOL 1.00	TC 0.22	Vert(LL) -0.04 8-9 >999 480	MT20 244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.25	Vert(CT) -0.05 8-9 >999 360	
BCLL 0.0	Rep Stress Incr YES	WB 0.31	Horz(CT) 0.01 6 n/a n/a	
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH		Weight: 51 lb FT = 20%F, 11%

TOP CHORD 2x4 SP No.1(flat)

BOT CHORD 2x4 SP No.1(flat) 2x4 SP No.3(flat) WFBS

Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 11=436/0-4-8 (min. 0-1-8), 6=432/0-7-14 (min. 0-1-8)

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

TOP CHORD 1-11=-431/0, 6-12=-430/0, 5-12=-429/0, 1-2=-545/0, 2-3=-1156/0, 3-4=-1110/0, 4-5=-436/0

BOT CHORD 9-10=0/1017, 8-9=0/1267, 7-8=0/925

WEBS 1-10=0/646, 2-10=-576/0, 4-7=-597/0, 5-7=0/541

NOTES-(3-6)

1) 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.

2) CAUTION, Do not erect truss backwards.

3) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.

4) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

5) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.

6) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

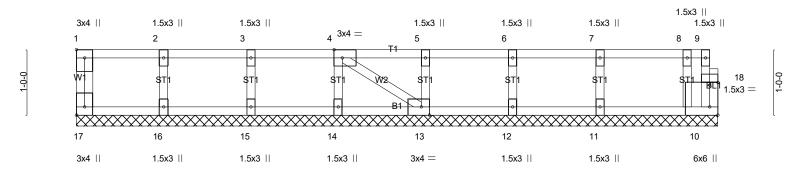
LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	LOT 0.0014 CAMPBELL RIDGE 291 ALDEN WAY ANGIER	I, NC
24-9563-F01	F118	Floor Supported Gable	1	1	Job Reference (optional) # 54	4273
Run: 8.630 s. Jul 12 2024 Print: 8.630 s. Jul 12 2024 MiTek Industries, Inc. Wed Nov 13 10:42:53 2024. Page 1						

n: 8.630 s_Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Nov 13 10:42:53 2024 Page 1 ID:TI8BXP?rb369B_B636Qe0HyKJdu-a8jlhSL80rw2x55Z0z7CwmE3Q784sCz?nggGg6yJe_0

0₁18



—			9-9-10 9-9-10				
Plate Offsets (X,Y)	[1:Edge,0-1-8], [4:0-1-8,Edge], [10:Edge]	dge,0-1-8], [13:0-1-8,Edg		8:0-1-8,0-0-8]			
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.05 BC 0.01 WB 0.03 Matrix-SH	DEFL. ir Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00	a - n/a	L/d 999 999 n/a	PLATES MT20 Weight: 43 lb	GRIP 244/190 FT = 20%F, 11%E
			BRACING- TOP CHORD BOT CHORD	end verticals.	U U	directly applied or 6- d or 10-0-0 oc bracir	0-0 oc purlins, except ng.

REACTIONS. All bearings 9-9-10.

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

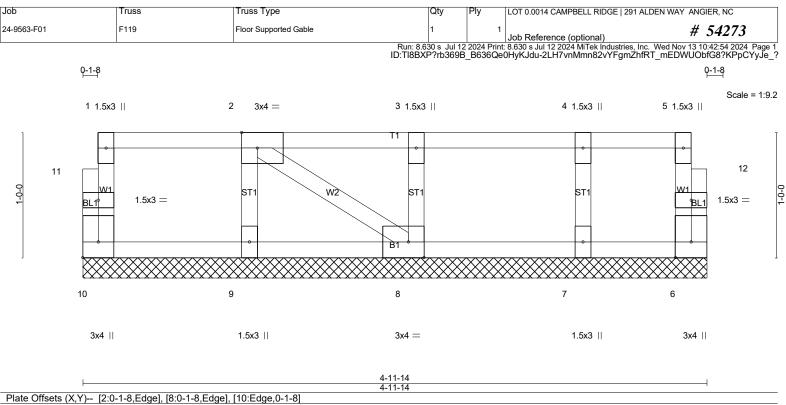
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES- (6-9)

- 1) Gable requires continuous bottom chord bearing.
- 2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 3) Gable studs spaced at 1-4-0 oc.
- 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.
- 5) CAUTION, Do not erect truss backwards
- 6) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED
- 9) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard





LOADING (psf) TCLL 40.0 TCDL 10.0	SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00	CSI. TC 0.05 BC 0.01	DEFL. i Vert(LL) n/ Vert(CT) n/		l/defl n/a n/a	L/d 999 999	PLATES MT20	GRIP 244/190
BCLL 0.0 BCDL 5.0	Rep Stress Incr YES Code IRC2021/TPI2014	WB 0.02 Matrix-P	Horz(CT) 0.0		n/a	n/a	Weight: 24 lb	FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) WEBS 2x4 SP No.3(flat)			BRACING- TOP CHORD	except	end ver	ticals.	directly applied or 4-	· · ·

2x4 SP No.3(flat) OTHERS

Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 4-11-14.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 10, 6, 9, 8, 7

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

NOTES-(5-8)

1) Gable requires continuous bottom chord bearing.

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

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

- 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.
- 5) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 6) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 7) Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing. 8) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED
- MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard

