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 #: 26910 JOB: 21-3146-R01 JOB NAME: LOT 1155 CARRIAGE CIRCLE Wind Code: 37 Wind Speed: Vult= 130mph Exposure Category: B Mean Roof Height (feet): 23

24 Truss Design(s)

Trusses:

J09, J10, PB01, PB02, R01, R02, R03, R04, R05, R06, R07, R08, R09, R10, R11, R13, R18, R23, R24, R25, R26, VT01, VT03, VT04



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

This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support 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*





REACTIONS. (lb/size) 6=196/Mechanical, 2=253/0-3-8 (min. 0-1-8) Max Horz 2=71(LC 10) Max Uplift6=-88(LC 10), 2=-105(LC 10) Max Grav 6=262(LC 21), 2=348(LC 21)

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

NOTES-(10-11)

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.

4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs

non-concurrent with other live loads. 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.

Refer to girder(s) for truss to truss connections.

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb) 2=105.

 Standard ANSI/TPI 1.
 Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
 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.
 LOAD CASE(S) Standard A.A. A. A. A. A.





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

NOTES-(11-12)

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 5) Gable requires continuous bottom chord bearing.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.

B) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TP1 1.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
11) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
12) 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.
LOAD CASE(S) Standard ALA FIELD

6/3/2021



vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is tor lateral support 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 1155 CARRIAGE CIRCLE 142 SPRUCE HOLLOW CIRCLE SPRING	LAKE,
21-3146-R01	R01	Roof Special Supported Gable	1	1	Job Reference (optional) # 26910	
					9 420 a Eab 12 2021 MiTak Industriaa Ina, Eri Jun 4 20:47:26 2021 Dage	2

ID:VaeaK7vWB81xgotwpMaLleyLxWJ-72eUFaP_FZ0n9OtSLsOVrO?jJyEDXcu1PPNH3Lz9ZNV

16) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced. 17) 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.

LOAD CASE(S) Standard



6/3/2021



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 1155 CARRIAGE CIRCLE 142 SPRUCE HOLLOW CIRCLE SPRING LA
21-3146-R01	R07	GABLE	1	1	Job Reference (optional) # 26910
					9 420 a Eab 12 2021 MiTak Industrian Inc. Fri Jun 4 20:47:24 2021 Dags 2

8.430 s Feb 12 2021 Mi Fek Industries, Inc. Fri Jun 4 20:47:34 2021 Page 2 ID:VaeaK7vWB81xgotwpMaLleyLxWJ-ua7WwJV0M01e6dV?pXXNA4K7cBzZPC7DFfJiLtz9ZNN

15) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
16) 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.

LOAD CASE(S) Standard







Job	Truss	Truss Type	Qty	Ply	LOT 1155 CARRIAGE CIRCLE 142 SPRU	CE HOLLOW CIRCLE SPRING LAK
21-3146-R01	R09	ROOF SPECIAL	3	1	Job Reference (optional)	# 26910
					8 /30 s Eeb 12 2021 MiTek Industries Ind	Fri lun / 20:/7:36 2021 Page 2

ID:VaeaK7vWB81xgotwpMaLleyLxWJ-rzFGL?XGueHMMweNwyZrFVPNm_TrtzmVizopQmz9ZNL

11) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced. 12) 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.

LOAD CASE(S) Standard



6/3/2021



vertically. Applicability of design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be instanted and toaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. 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 Trusse 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 1155 CARRIAGE CIRCLE 142 SPRUCE	HOLLOW CIRCLE SPRING LA	KE,
21-3146-R01	R10	ROOF SPECIAL	1	1	Job Reference (optional)	# 26910	
					8 430 s Feb 12 2021 MiTek Industries Inc. F	ri Jun 4 20:47:37 2021 Page 2	

ID:VaeaK7vWB81xgotwpMaLleyLxWJ-J9pfZKXufxPDz4DaUf45ojyXuOmscOQfxdXMyCz9ZNK

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

LOAD CASE(S) Standard





D'Onofrio Drive, Madison, WI 53719.



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 1155 CARRIAGE CIRCLE 142 SPRUC	E HOLLOW CIRCLE SPRING LAK
21-3146-R01	R13	Roof Special	2	1	Job Reference (optional)	# 26910
					8 430 s Eeb 12 2021 MiTek Industries Inc.	Fri Jun 4 20:47:39 2021 Page 2

ID:VaeaK7vWB81xgotwpMaLleyLxWJ-FYxP_0Z8BZfwDONyc47Zt81s_CSI4I4yOx0T05z9ZNI

11) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced. 12) 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.

LOAD CASE(S) Standard



6/3/2021





- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 5) Unbalanced snow loads have been considered for this design.
- 6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs
- non-concurrent with other live loads.
- All plates are 2x4 MT20 unless otherwise indicated.

- 1) All plates are 2x4 MT20 unless otherwise indicated.
 8) Gable requires continuous bottom chord bearing.
 9) Gable studs spaced at 2-0-0 oc.
 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 11) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide with the tween the bottom chord and any other members.
 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17, 9, 13, 14, 12 to see the sec except (jt=lb) 16=110.
 13) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 14) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
 15) 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.

LOAD CASE(S) Standard

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6/3/2021

Job	Truss	Truss Type		Qty	Ply LC	OT 1155 CARRIAGE CIRCL	E 142 SPRUCE HOLLOW CIRCLE SPRING LAKE
21-3146-R01	R24	Monopitch Sup	oorted Gable	1	1	h Reference (ontional)	# 26910
				ID:VaeaK7vWB	81xgotwpMaLl	8.430 s Feb 12 2021 MiTek leyLxWJ-f7cYc2b1UU1V	Industries, Inc. Fri Jun 4 20:47:42 2021 Page 1 /4r6XHDgGVmfTAPhvHqyO4vF7dQz9ZNF
			-0-10-8 0-10-8	<u>8-4-0</u> 8-4-0			
					6		Scale = 1:55.8
				,	B		
			12.00 12	- 5			
		- 6 -5		4 118	XV3		
		1	3 3x4 //	ST2			
		2-2-5	2 ST1	Brt n			
		1 l					
			3x4 =	=			
Plata Offacta (X V)	[2:0 1 4 0 1 9]		ł				
LOADING (psf)	[2.0-1-4,0-1-8] SPACING-	2-0-0	CSI	DEFI	in (loc)	l/defl l/d	PI ATES GRIP
TCLL (roof) 20.0 Snow (Pf) 20.0	Plate Grip Lumber DC	DOL 1.15 DL 1.15	TC 0.15 BC 0.11	Vert(LL) Vert(CT)	0.00 1	n/r 180 n/r 80	MT20 244/190
BCLL 10.0 BCDL 10.0	* Rep Stress Code IRC2	Incr YES 018/TPI2014	WB 0.20 Matrix-P	Horz(CT)	-0.00 7	n/a n/a	Weight: 79 lb FT = 0%
LUMBER-	P No 2			BRACING-	Structural	wood sheathing direct	v applied or 6-0-0 oc purlins except
BOT CHORD 2x4 S WEBS 2x4 S OTHERS 2x4 S	P No.3 P No.3 P No.3 P No.3			BOT CHORD WEBS	end vertica Rigid ceilin 1 Row at m	g directly applied or 1 nidpt 6-7	0-0-0 oc bracing.
					MiTek red be installe Installatio	commends that Stabili ed during truss erectio n guide.	zers and required cross bracing n, in accordance with Stabilizer
REACTIONS. All I (Ib) - Max Max	bearings 8-4-0. Horz 11=295(LC 12) Uplift_All uplift 100 lb or	less at joint(s) 7 exce	pt 11=-145(LC 10), 9	9=-105(LC 12), 10=	-396(LC 12),	8=-114(LC	
Мах	Grav All reactions 250 I 20)	o or less at joint(s) 7	except 11=510(LC 1	2), 9=268(LC 20), 1	10=323(LC 20), 8=302(LC	
FORCES. (Ib) - Ma. TOP CHORD 2-1 BOT CHORD 10-	c. Comp./Max. Ten All =-502/385, 2-3=-360/29 1=-307/225 - 215/421	forces 250 (lb) or les 6, 3-4=-263/201	s except when show	n.			
NOTES- (13-14)	J315/431						
1) Wind: ASCE 7-16 (envelope) gable	; Vult=130mph (3-secon end zone and C-C Exteri OI =1.60 plate grip DOI :	d gust) Vasd=103mp or(2) zone; end vertic =1 60	n; TCDL=5.0psf; BC al left exposed;C-C	DL=5.0psf; h=23ft; for members and fo	Cat. II; Exp B prces & MWF	; Enclosed; MWFRS RS for reactions	
 2) Truss designed f Gable End Details 	or wind loads in the plan as applicable, or consu	e of the truss only. F	or studs exposed to esigner as per ANSI	wind (normal to the /TPI 1.	face), see S	tandard Industry	
3) TCLL: ASCE 7-16 Cat B; Partially E:	; Pr=20.0 psf (roof LL: L cp.; Ce=1.0; Cs=1.00; Ct	um DOL=1.15 Plate I =1.10	DOL=1.15); Pf=20.0	psf (Lum DOL=1.1	5 Plate DOL=	1.15); ls=1.0; Rough	un u
 This truss has be non-concurrent w 	en designed for greater of the other live loads.	f min roof live load o	12.0 psf or 2.00 tim	nes flat roof load of a	20.0 psf on o	verhangs	STH CAROLINI
5) All plates are 2x46) Gable requires control	MT20 unless otherwise ntinuous bottom chord b	ndicated. earing.				Innu	ALL NO.

- 7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 8) Gable studs spaced at 2-0-0 oc.
- 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 10) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 11=145, 9=105, 10=396, 8=114.
- HUILING ANN 12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Continuing on particle sign parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer or truss engineer. Bracing shown is for lateral support 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.

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6/3/2021

WITH WALLS

Job	Truss	Truss Type	Qty	Ply	LOT 1155 CARRIAGE CIRCLE 142 SPRUC	E HOLLOW CIRCLE SPRING LAK
21-3146-R01	R24	Monopitch Supported Gable	1	1	Job Reference (optional)	# 26910
					8 430 c Eab 12 2021 MiTak Industrias Inc.	Eri lun / 20:/7:/2 2021 Page 2

ID:VaeaK7vWB81xgotwpMaLleyLxWJ-f7cYc2b1UU1V4r6XHDgGVmfTAPhvHqyO4vF7dQz9ZNF

13) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
14) 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.

LOAD CASE(S) Standard





vertically. Applicability of design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual oblicing component to be instance and roaded of original 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'Onorio Drive. Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 1155 CARRIAGE CIRCLE 142 SPRU	CE HOLLOW CIRCLE SPRING LAKE
21-3146-R01	R25	Attic	8	1	Job Reference (optional)	# 26910
					8 430 s Eeb 12 2021 MiTek Industries Inc.	Fri Jun / 20:/7:// 2021 Page 2

8.430 s Feb 12 2021 Mi Fek Industries, Inc. Fri Jun 4 20:47:44 2021 Page 2 ID:VaeaK7vWB81xgotwpMaLleyLxWJ-cVkI1kdH05HDJ9FwOdikaBkcfDBMlhnhYDkEilz9ZND

14) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
 15) 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.

LOAD CASE(S) Standard





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Job	Truss	Truss Type	Qty	Ply	LOT 1155 CARRIAGE	E CIRCLE 142 SPRUCE	HOLLOW	CIRCLE SPRING	LAKE, I
21-3146-R01	R26	ATTIC	1	2	Job Reference (op	itional)	#	26910	
		ID:Va	ieaK7vWB	81xgotwp	pMaLleyLxWJ-Yus2	SPeXXiYxYTPIW2ICfc	ri Jun 420 q0l0ubD	cA_?XDLmBz9ZI	NB
 NOTES- (19-20) 12) Ceiling dead load (5.0) 13) Bottom chord live load 14) This truss is designed 15) Load case(s) 1, 2, 3, 4 must review loads to v 16) Graphical purlin repre 17) Hanger(s) or other cool down at 14-11-12 on 18) Attic room checked fo 19) Graphical web bracing 20) Bearing symbols are of loads indicated. 	psf) on member(s). 3-4, 7- d (40.0 psf) and additional b in accordance with the 20 4, 5, 6, 7, 8, 9, 10, 11, 12, 1 verify that they are correct fi sentation does not depict th nnection device(s) shall be bottom chord. The design/ r L/360 deflection. g representation does not d only graphical representation	8, 4-26, 7-26 ottom chord dead load (0.0 psf) applied only 18 International Residential Code sections R 3, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 2 or the intended use of this truss. The size or the orientation of the purlin along the provided sufficient to support concentrated to selection of such connection device(s) is the epict the size, type or the orientation of the b ns of a possible bearing condition. Bearing s	to room. 502.11.1 a 25, 26, 27 ne top and pad(s) 210 responsil race on th ymbols a	21-23, 19 and R802 , 28, 29, I/or botto) Ib dowr pility of o ne web. S re not co	9-21, 17-19, 14-17 2.10.2 and referen 30, 31, 32, 33, 34 om chord. n at 11-7-0 on top others. Symbol only indica onsidered in the str	7, 13-14 iced standard ANSI/ has/have been mod chord, and 289 lb do ites that the member ructural design of the	TPI 1. lified. Bu own at { must be truss to	uilding designer 8-3-4, and 289 l e braced. o support the	b
LOAD CASE(S) Standard									
1) Dead + Snow (balance Uniform Loads (plf)	d): Lumber Increase=1.15,	Plate Increase=1.15							
Vert: 1-2=-90, 2 Concentrated Loads (lb	2-3=-90, 3-4=-105, 4-5=-90,	5-6=-90, 6-7=-90, 7-8=-105, 8-9=-90, 9-10=	90, 11-28	j=-30, 13	3-23=-30, 4-7=-15				
Vert: 27=-210(F	-) 28=-289(F) 29=-289(F)	15 Plate Increase=1 15							
Uniform Loads (plf)			00 44 07	- 00 40					
Vert: 1-2=-90, 2 Concentrated Loads (Ib	2-3=-90, 3-4=-105, 4-5=-90,))	5-6=-90, 6-7=-90, 7-8=-105, 8-9=-90, 9-10=	90, 11-25		3-23=-30, 4-7=-15				
Vert: 27=-210(F 3) Dead + 0.75 Roof Live	⁻) 28=-289(F) 29=-289(F) (balanced) + 0.75 Attic Floo	pr: Lumber Increase=1.15, Plate Increase=1.	15						
Uniform Loads (plf)	2-3=-75 3-4=-90 4-5=-75 !	5-6=-75 6-7=-75 7-8=-90 8-9=-75 9-10=-75	11-25=-	30 13-2	3=-120 4-7=-15				
Concentrated Loads (lb)) 5) 28- 280(E) 20- 280(E)		, 20						
4) Dead + 0.75 Snow (bal	anced) + 0.75 Attic Floor: L	umber Increase=1.15, Plate Increase=1.15							
Vert: 1-2=-75, 2	2-3=-75, 3-4=-90, 4-5=-75, \$	5-6=-75, 6-7=-75, 7-8=-90, 8-9=-75, 9-10=-75	, 11-25=-	30, 13-2;	3=-120, 4-7=-15				
Vert: 27=-210(F	5) F) 28=-289(F) 29=-289(F)								
5) Dead + Uninhabitable A Uniform Loads (plf)	Attic Without Storage: Lumb	per Increase=1.25, Plate Increase=1.25							
Vert: 1-2=-30, 2 Concentrated Loads (Ib	2-3=-30, 3-4=-45, 4-5=-30, \$))	5-6=-30, 6-7=-30, 7-8=-45, 8-9=-30, 9-10=-30	, 11-25=-	60, 13-23	3=-30, 4-7=-15				
Vert: 27=-210(F 6) Dead + 0.6 C-C Wind (-) 28=-289(F) 29=-289(F) Pos. Internal) Case 1: Lum	ber Increase=1.60. Plate Increase=1.60							
Uniform Loads (plf)	2 3 - 7 3 4 - 16 4 5 - 7 5 6	- 7 6 7- 7 7 8- 16 8 0- 7 0 10- 15 11 2	5- 15 13	22- 15	4 7- 0				
Horz: 2-5=-8, 6	-9=8, 2-25=-45, 9-11=45		515, 15	-2010,	,				
Concentrated Loads (lk	9-110))								
7) Dead + 0.6 C-C Wind (-) 28=-289(F) 29=-289(F) Neg. Internal) Case 1: Lum	ber Increase=1.60, Plate Increase=1.60							
Uniform Loads (plf) Vert: 1-2=-17, 2	2-3=-51, 3-4=-66, 4-5=-51, !	5-6=-51, 6-7=-51, 7-8=-66, 8-9=-51, 9-10=-17	, 11-25=-	30, 13-2	3=-30, 4-7=-15				
Horz: 1-2=-13, Drag: 2-25=0, 9	2-5=21, 6-9=-21, 9-10=13, 9-11=0	2-25=41, 9-11=-41							
Concentrated Loads (lb Vert: 27=-210(F)) F) 28=-289(F) 29=-289(F)								
8) Dead + 0.6 MWFRS W	ind (Pos. Internal) Left: Lun	nber Increase=1.60, Plate Increase=1.60							
Vert: 1-2=-1, 2-	3=-19, 3-4=-28, 4-5=-19, 5-	.6=39, 6-7=16, 7-8=7, 8-9=16, 9-10=8, 11-25	=-15, 13-:	23=-15, 4	4-7=-9				
Drag: 2-25=0, 9	2-3-4, 0-9-31, 9-10-23, 2-)-11=-0	23-22, 9-11-20							
Vert: 27=-210(F	5) F) 28=-289(F) 29=-289(F)								
9) Dead + 0.6 MWFRS W Uniform Loads (plf)	ind (Pos. Internal) Right: Lu	Imber Increase=1.60, Plate Increase=1.60							
Vert: 1-2=8, 2-3 Horz: 1-2=-23,	3=16, 3-4=7, 4-5=16, 5-6=3 2-5=-31, 6-9=-4, 9-10=14, 2	9, 6-7=-19, 7-8=-28, 8-9=-19, 9-10=-1, 11-25 2-25=-28, 9-11=-22	=-15, 13-:	23=-15, 4	4-7=-9				
Drag: 2-25=-0, Concentrated Loads (lb	9-11=0					Munnin	liller		
Vert: 27=-210(F	-/ F) 28=-289(F) 29=-289(F) Wind (Neg. Internal) Left: Lu	unber Increase=1.60. Plate Increase=1.60				WHINGTH CA	ROLA	1111	
Uniform Loads (plf)	2 2- 40 2 4- 64 4 5- 40	5 6-9 6 7- 15 7 9- 20 9 0- 15 0 10- 7	11 25- 20	12 22-	- 20 4 7- 15	11111 POFESO	Prz 9	Inanti	
Horz: 1-2=-42,	2-5=19, 6-9=15, 9-10=23, 2	2-25=37, 9-11=13	1-2030	', 1 3- 23=		SEAL	~		
Drag: 2-25=0, Concentrated Loads (9-11=-0 lb)					28147	r		
Vert: 27=-210 11) Dead + 0.6 MWFRS V	(⊢) 28=-289(F) 29=-289(F) Vind (Neg. Internal) Right: I	umber Increase=1.60, Plate Increase=1.60				THE ASNOWS	ER	mm	
						ARK K N	ORAL	INTE	
						All the second	ILI HILL.		

Continuing by Sacisfy Saesign parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support 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.

6/3/2021

Job	Truss	Truss Type	Qty	Ply	LOT 1155 CARRIAGE CIRCLE 142 SPRUCE HOLLOW CIRCLE SPRING LA
21-3146-R01	R26	ATTIC	1	2	# 26910
					JOD Reference (optional) 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Jun 4 20:47:46 2021 Page 3 Mol July VI V 122SP2 VXVVTDIM/2/Cfcc000 ubpod, 2XDI mP=02NP
			ID. Vaear/VV	VDO IXYOUW	
LOAD CASE(S) Stan Uniform Loads (p	idard lf)				
Vert: 1-2	-, 7, 2-3=-15, 3-4=-30, 4-	5=-15, 5-6=8, 6-7=-49, 7-8=-64,	8-9=-49, 9-10=-42, 11-25=-	30, 13-23	=-30, 4-7=-15
Drag: 2-2	=-23, 2-5=-15, 6-9=-19, 5=-0, 9-11=0	9-10=-12, 2-25=-13, 9-11=-37			
Concentrated Loa	ads (lb)	290(F)			
12) Dead + 0.6 MWF	RS Wind (Pos. Internal)	1st Parallel: Lumber Increase=1	.60, Plate Increase=1.60		
Uniform Loads (p	lf) -31 2 3-30 3 4-30 4 F	5-30 5 6-16 6 7-16 7 8-7 8 0	-16 0 10-8 11 25- 15 13	2 22- 15	4 7- 9
Horz: 1-2	=-46, 2-5=-54, 6-9=31, §	9-10=23, 2-25=18, 9-11=26	<i>5</i> -10, 9-10-0, 11-2313, 10	-2010, -	4-7
Drag: 2-2	:5=0, 9-11=-0 ads (lb)				
Vert: 27=	-210(F) 28=-289(F) 29=	-289(F)			
13) Dead + 0.6 MWF Uniform Loads (p	RS Wind (Pos. Internal)	2nd Parallel: Lumber Increase=	1.60, Plate Increase=1.60		
Vert: 1-2=	=8, 2-3=16, 3-4=7, 4-5=	16, 5-6=16, 6-7=39, 7-8=30, 8-9=	=39, 9-10=31, 11-25=-15, 13	3-23=-15, 4	4-7=-9
Horz: 1-2 Drag: 2-2	=-23, 2-5=-31, 6-9=54, 9 5=-0_9-11=0	9-10=46, 2-25=-26, 9-11=-18			
Concentrated Loa	ads (lb)				
Vert: 27= 14) Dead + 0.6 MWF	-210(F) 28=-289(F) 29= RS Wind (Pos. Internal)	-289(F) 3rd Parallel: Lumber Increase=1	1.60. Plate Increase=1.60		
Uniform Loads (p	lf)				
Vert: 1-2= Horz ⁻ 1-2	=31, 2-3=39, 3-4=30, 4-5 =-46	5=39, 5-6=16, 6-7=16, 7-8=7, 8-9 }-10=23_2-25=18_9-11=26)=16, 9-10=8, 11-25=-15, 13	8-23=-15, 4	4-7=-9
Drag: 2-2	5=0, 9-11=-0				
Concentrated Loa Vert: 27=	ads (lb) -210(F) 28=-289(F) 29=	-289(F)			
15) Dead + 0.6 MWF	RS Wind (Pos. Internal)	4th Parallel: Lumber Increase=1	1.60, Plate Increase=1.60		
Uniform Loads (p Vert: 1-2=	nt) =8. 2-3=16. 3-4=7. 4-5=1	16. 5-6=16. 6-7=39. 7-8=30. 8-9=	=39. 9-10=31. 11-25=-15. 13	8-23=-15. 4	4-7=-9
Horz: 1-2	=-23, 2-5=-31, 6-9=54, 9	9-10=46, 2-25=-26, 9-11=-18	,,,,,,,,,,,,,,	,	
Drag: 2-2 Concentrated Loa	:5=-0, 9-11=0 ads (lb)				
Vert: 27=	-210(F) 28=-289(F) 29=	-289(F)			
Uniform Loads (p	RS Wind (Neg. Internal)	i ist Parallel: Lumber increase= i	1.60, Plate Increase=1.60		
Vert: 1-2	=16, 2-3=8, 3-4=-7, 4-5=	8, 5-6=-15, 6-7=-15, 7-8=-30, 8-9	9=-15, 9-10=-7, 11-25=-30,	13-23=-30), 4-7=-15
Drag: 2-2	=-46, 2-5=-38, 6-9=15, § 5=0, 9-11=-0	9-10=23, 2-25=34, 9-11=11			
Concentrated Loa	ads (lb)	000(F)			
17) Dead + 0.6 MWF	RS Wind (Neg. Internal)	289(F) 2nd Parallel: Lumber Increase=	1.60, Plate Increase=1.60		
Uniform Loads (p	lf) - 7 2 3- 15 3 4- 30 4	5-1556-1567-878-78	20-8 0 10-16 11 25- 30	13 23- 30) 4 7- 15
Horz: 1-2	=-23, 2-5=-15, 6-9=38, §	9-10=46, 2-25=-11, 9-11=-34	-9-0, 9-10-10, 11-2550,	13-2330	<i>, 4-7</i> 15
Drag: 2-2	:5=-0, 9-11=0 ads (lb)				
Vert: 27=	-210(F) 28=-289(F) 29=-	-289(F)			
18) Dead + Snow on Uniform Loads (p	Overhangs: Lumber Inc	rease=1.15, Plate Increase=1.15	5		
Vert: 1-2=		6-9=-30, 9-10=-150, 11-25=-30,	13-23=-30		
Concentrated Loa Vert: 27=	ads (lb) -210(F) 28=-289(F) 29=	-289(F)			
19) Dead + Attic Floo	r: Lumber Increase=1.0	0, Plate Increase=1.00			
Uniform Loads (p Vert: 1-2=	lf) =-30. 2-3=-30. 3-4=-45. 4	4-5=-30, 5-6=-30, 6-7=-30, 7-8=-4	45. 8-9=-30. 9-10=-30. 11-2	5=-30, 13-	-23=-150, 4-7=-15
Concentrated Loa	ads (lb)	000(E)		0 00, 10	
20) Dead: Lumber Ind	-210(F) 28=-289(F) 29= crease=1.00, Plate Incre	-289(F) ease=1.00			
Uniform Loads (p	lf)		45 0.0 00 0.40 00 44 0	F 00 40	
Vert: 1-2= Concentrated Loa	=-30, 2-3=-30, 3-4=-45, 4 ads (lb)	4-5=-30, 5-6=-30, 6-7=-30, 7-8=-4	45, 8-9=-30, 9-10=-30, 11-2	5=-30, 13-	-23=-150, 4-7=-15
Vert: 27=	-210(F) 28=-289(F) 29=	-289(F)			
Uniform Loads (p	w (dal.) + 0.75 Attic Floc Ilf)	or + 0.75(0.6 MWFRS Wind (Neg	J. Int) Leπ): Lumber Increase	e=1.60, Pla	ate increase=1.60
Vert: 1-2		4-5=-90, 5-6=-46, 6-7=-64, 7-8=	-79, 8-9=-64, 9-10=-58, 11-	25=-30, 13	3-23=-120, 4-7=-15
Drag: 2-2	=9, 2-5=15, 6-9=11, 9-1 5=0, 9-11=-0	0=17, 2-25=28, 9-11=10			OFESSION STITU
Concentrated Loa	ads (lb)	290(F)			
22) Dead + 0.75 Sno	-210(F) 28=-289(F) 29= w (bal.) + 0.75 Attic Floc	-289(F) or + 0.75(0.6 MWFRS Wind (Neg	g. Int) Right): Lumber Increa	se=1.60, F	Plate Increase=1.60
Uniform Loads (p	lf) =-58 2-3- 64 2 4- 70		105 8.0=.00 0 10- 94 14	25= 20 1	3-23=-120 4-7=-15
Horz: 1-2	=-17, 2-5=-11, 6-9=-15,	9-10=-9, 2-25=-10, 9-11=-28	100, 0-990, 9-1004, 11-	2030, T	5-20120, 4-710
Drag: 2-2	5=-0, 9-11=0				AN AN ANALY AND
Vert: 27=	-210(F) 28=-289(F) 29=-	-289(F)			Mark Mount
					6/3/2021

lob	Truss	Truss Type	Qty	Ply	LOT 1155 CARRIAGE CIRCLE 142 SP	PRUCE HOLLOW CIRCLE SPRING L
21-3146-R01	R26	ATTIC	1	2	Job Reference (optional)	# 26910
				/B81xgotw	8.430 s Feb 12 2021 MiTek Industries	s, Inc. Fri Jun 4 20:47:46 2021 Page 4
			ID. Vaear(1 VV	Bongotw	pivialleyLXVVJ-TUSZOFEAATTATTEN	
LOAD CASE(S) Stand 23) Dead + 0 75 Snow	ard (bal.) + 0.75 Attic Flo	or + 0.75(0.6 MWERS Wind (Neg. Int)	1st Parallel): Lumber Ir	ncrease=1	60 Plate Increase=1.60	
Uniform Loads (plf	(bai.) • 0.75 Auto 110		rst Falallel). Lumber li		1.00, Flate Increase - 1.00	
Vert: 1-2=-	41, 2-3=-46, 3-4=-61,	4-5=-46, 5-6=-64, 6-7=-64, 7-8=-79, 8-	9=-64, 9-10=-58, 11-25	5=-30, 13-	23=-120, 4-7=-15	
Horz: 1-2= Drag: 2-25	-34, 2-5=-29, 6-9=11, =0 9-11=-0	9-10=17, 2-25=25, 9-11=8				
Concentrated Load	ls (lb)					
Vert: 27=-2	210(F) 28=-289(F) 29=	-289(F)				
24) Dead + 0.75 Snow	(bal.) + 0.75 Attic Flo	or $+ 0.75(0.6 \text{ MWFRS Wind (Neg. Int)})$	2nd Parallel): Lumber I	Increase=	1.60, Plate Increase=1.60	
Vert: 1-2=-	, 58, 2-3=-64, 3-4=-79,	4-5=-64, 5-6=-64, 6-7=-46, 7-8=-61, 8-	9=-46, 9-10=-41, 11-25	5=-30, 13-	23=-120, 4-7=-15	
Horz: 1-2=	-17, 2-5=-11, 6-9=29,	9-10=34, 2-25=-8, 9-11=-25				
Drag: 2-25 Concentrated Load	=-0, 9-11=0 Is (lb)					
Vert: 27=-2	210(F) 28=-289(F) 29=	-289(F)				
25) Dead + 0.75 Roof	Live (bal.) + 0.75 Attic	Floor + 0.75(0.6 MWFRS Wind (Neg.	Int) Left): Lumber Incre	ease=1.60	, Plate Increase=1.60	
Uniform Loads (plf) 81 23-00 31-105	4 5- 00 5 6- 46 6 7- 64 7 8- 70 8		25- 30 1'	3 23- 120 / 7- 15	
Horz: 1-2=	9, 2-5=15, 6-9=11, 9-1	0=17, 2-25=28, 9-11=10	-904, 9-1030, 11-2	2030, 1	5-25120, 4-715	
Drag: 2-25	=0, 9-11=-0					
Concentrated Load	is (lb) 210(E) 28- 280(E) 20-	280(E)				
26) Dead + 0.75 Roof	Live (bal.) + 0.75 Attic	Floor + 0.75(0.6 MWFRS Wind (Neg.	Int) Right): Lumber Inc	rease=1.6	0. Plate Increase=1.60	
Uniform Loads (plf)		, , ,			
Vert: 1-2=-	58, 2-3=-64, 3-4=-79,	4-5=-64, 5-6=-46, 6-7=-90, 7-8=-105, 8	3-9=-90, 9-10=-84, 11-2	25=-30, 13	3-23=-120, 4-7=-15	
Drag: 2-25	=-0. 9-11=0	9-109, 2-2510, 9-1120				
Concentrated Load	ls (lb)					
Vert: 27=-2	210(F) 28=-289(F) 29=	-289(F)	Int) 1 at Darallal); Lumb	or Inoroo	and 60 Plate Increased 60	
Uniform Loads (plf	Live (bai.) + 0.75 Attic	FIOU + 0.75(0.6 MWFRS WINd (Neg.	int) ist Paraller). Lumb	er increas	se-1.60, Plate increase-1.60	
Vert: 1-2=-	, 41, 2-3=-46, 3-4=-61,	4-5=-46, 5-6=-64, 6-7=-64, 7-8=-79, 8-	9=-64, 9-10=-58, 11-25	5=-30, 13-	23=-120, 4-7=-15	
Horz: 1-2=	-34, 2-5=-29, 6-9=11,	9-10=17, 2-25=25, 9-11=8				
Drag: 2-25 Concentrated Load	=0, 9-11=-0 Is (lb)					
Vert: 27=-2	210(F) 28=-289(F) 29=	-289(F)				
28) Dead + 0.75 Roof	Live (bal.) + 0.75 Attic	Floor + 0.75(0.6 MWFRS Wind (Neg.	Int) 2nd Parallel): Luml	ber Increa	se=1.60, Plate Increase=1.60	
Uniform Loads (plf) 58 2 3- 61 3 1- 70	4 5- 64 5 6- 64 6 7- 46 7 8- 61 8	0- 46 0 10- 41 11 26	5-30 13	23- 120 / 7- 15	
Horz: 1-2=	-17, 2-5=-11, 6-9=29,	9-10=34, 2-25=-8, 9-11=-25	3+0, 3-10+1, 11-20	550, 15-	23120, 4-713	
Drag: 2-25	=-0, 9-11=0					
Concentrated Load	ls (lb) 210(E) 28=_280(E) 20=	-280(F)				
29) Dead + 0.6 C-C W	ind Min. Down: Lumbe	er Increase=1.60, Plate Increase=1.60				
Uniform Loads (plf)					
Vert: 1-2=9), 2-3=-39, 3-4=-48, 4- -24 2-5=24 6-9=-24	5=-39, 5-6=-39, 6-7=-39, 7-8=-48, 8-9= 0-10=24, 2-25=24, 0-11=-24	39, 9-10=9, 11-25=-1	5, 13-23=	-15, 4-7=-9	
Drag: 2-25	=0, 9-11=0	5 10-24, 2 20-24, 5 11-24				
Concentrated Load	ls (lb)					
Vert: 27=-2 30) Dead + 0.6 C-C W	210(F) 28=-289(F) 29= ind Min, Unward: Lum	-289(F) ber Increase=1.60. Plate Increase=1.6	٥			
Uniform Loads (plf)		0			
Vert: 1-2=9	9, 2-5=9, 5-6=9, 6-9=9	, 9-10=9, 11-25=-15, 13-23=-15				
Horz: 1-2= Drag: 2-25	-24, 2-5=-24, 6-9=24, =-0 9-11=-0	9-10=24, 2-25=-24, 9-11=24				
Concentrated Load	ls (lb)					
Vert: 27=-2	210(F) 28=-289(F) 29=	-289(F)	-			
31) 1st Dead + Roof L Uniform Loads (olf	ve (unbalanced): Lum	ber Increase=1.15, Plate Increase=1.1	5			
Vert: 1-2=-	, 90, 2-3=-90, 3-4=-105	, 4-5=-90, 5-6=-90, 6-7=-30, 7-8=-45, 8	3-9=-30, 9-10=-30, 11-2	25=-30, 13	3-23=-30, 4-7=-15	
Concentrated Load	ls (lb)					
2/=-2 22) 2nd Dead + Roof I	210(F) 28=-289(F) 29= ive (unbalanced): Lur	-289(F) nber Increase=1 15_Plate Increase=1 :	15			
Uniform Loads (plf)					
Vert: 1-2=-	30, 2-3=-30, 3-4=-45,	4-5=-30, 5-6=-90, 6-7=-90, 7-8=-105, 8	3-9=-90, 9-10=-90, 11-2	25=-30, 13	3-23=-30, 4-7=-15	ALLELIGE.
Concentrated Load	is (lb) 210(E) 28- 280(E) 20-	280(E)			ATT A TAKE	CARCHIN
33) 3rd Dead + 0.75 R	oof Live (unbalanced)	+ 0.75 Attic Floor: Lumber Increase=1	.15, Plate Increase=1.7	15	Intro Part	CSDI AVII
Uniform Loads (plf)				in the	PNQ: 9 III
Vert: 1-2=-	75, 2-3=-75, 3-4=-90,	4-5=-75, 5-6=-75, 6-7=-30, 7-8=-45, 8-	9=-30, 9-10=-30, 11-25	5=-30, 13-	23=-120, 4-7=-15 🚊 /	ALL I
Vert: 27=-2	טו) און און 10(F) 28=-289(F) 29=	-289(F)				DEAL E
34) 4th Dead + 0.75 R	oof Live (unbalanced)	+ 0.75 Attic Floor: Lumber Increase=1	.15, Plate Increase=1.1	15		10147 I E
Uniform Loads (plf)		0 75 0 40 75 44 0	- 00 10	00 400 47 45	
Vant. 4 0_	30. 2-3=-30. 3-4=-45.	4-5=-30 5-6=-/5 6-/=-75 7-8=-90 8-	u- /6 u 10- 75 11 90		23=120 /L/=15 🐼 📜 🕅	
Concentrated Loss	is (lb)		975, 9-1075, 11-25	550, 15-	23120, 4-713	OINEE S N

Warning !—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support 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.

6/3/2021



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

NOTES- (9-10)

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 4) Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
- 8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 9) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.

10) 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.

LOAD CASE(S) Standard







LOADING (psf) TCLL (roof) 20.0 Snow (Pf) 20.0 TCDL 10.0 PCL 0.0 *	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES	CSI. TC 0.81 BC 0.60 WB 0.00	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) l/defl L/d n/a - n/a 999 n/a - n/a 999 0.00 n/a n/a	PLATES GRIP MT20 244/190
BCDL 10.0	Code IRC2018/TPI2014	Matrix-P			Weight: 20 lb FT = 0%
LUMBER-			BRACING-		
TOP CHORD 2x4 SP No	2		TOP CHORD	Structural wood sheathing direc	tly applied or 6-3-13 oc purlins, except
WEBS 2x4 SP No	3		BOT CHORD	Rigid ceiling directly applied or 2	0-0-0 oc bracing.
				MiTek recommends that Stabi be installed during truss erection Installation guide.	izers and required cross bracing on, in accordance with Stabilizer

REACTIONS. (lb/size) 1=212/6-3-13 (min. 0-1-8), 3=212/6-3-13 (min. 0-1-8) Max Horz 1=64(LC 10) Max Uplift1=-31(LC 10), 3=-53(LC 10) Max Grav 1=284(LC 20), 3=284(LC 20)

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

NOTES- (9-10)

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
- 8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 9) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
- 10) 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.

LOAD CASE(S) Standard

