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 #: 24002 JOB: 20-4692-R01 JOB NAME: LOT 1169 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. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) 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.



10/13/2020



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10/13/2020



MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide

REACTIONS. (lb/size) 2=108/3-6-0 (min. 0-1-8), 4=108/3-6-0 (min. 0-1-8), 6=108/3-6-0 (min. 0-1-8) Max Horz 2=-48(LC 10) Max Uplift2=-26(LC 13), 4=-31(LC 13) Max Grav 2=108(LC 1), 4=108(LC 1), 6=109(LC 5)

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

plate grip--(at B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1...)
This truss has been designed for greater of min roof live load or true, non-concurrent with other live loads.
Gable requires continuous bottom chord bearing.
This truss has been designed for a 10v load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will the between the bottom chord and any other members.
Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANS/TP1 1.
See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicater that the member must be braced.
Rearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the true of the truss to support the loads indicated. athunnun arter

10/13/2020



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 1169 CARRIAGE CIRCLE 84 SPRUCE HOLLOW CIRCLE SPRING LAKE
20-4692-R01	R01	Roof Special Supported Gable	1	1	Job Reference (optional) # 24002
					8 330 s Mar 10 2020 MiTek Industries Inc. Wed Oct 14 21 38:50 2020 Page 2

8.330 s Mar 10 2020 Mi Lek Industries, Inc. Wed Oct 14 21:38:50 2020 Page 2 ID:VaeaK7vWB81xgotwpMaLleyLxWJ-jSjqxFyXt7AdOljHtPXoJYtG713IJTdObKb9QKyTO3J

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





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.











1-11-4 3-6-8 1-11-4 1-7-4 25-1-0 21-6-8 Plate Offsets (X,Y)-- [14:0-1-14,0-2-0], [15:Edge,0-5-12]

LOADING (ps TCLL (roof) Snow (Pf) TCDL BCLL BCDL	of) 20.0 20.0 10.0 0.0 * 10.0	SPACING- 2-0 Plate Grip DOL 1.1 Lumber DOL 1.1 Rep Stress Incr YE Code IRC2018/TPI201	-0 CSI. 15 TC 15 BC 15 WB 14 Matri	0.12 0.08 0.26 x-SH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in -0.00 -0.00 0.01	(loc) 15 16 15	l/defl n/r n/r n/a	L/d 180 80 n/a	PLATES MT20 Weight: 153 lb	GRIP 244/190 D FT = 0%
LUMBER- TOP CHORE BOT CHORE WEBS OTHERS SLIDER	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 2x4 SP No.3 Right 2x4 SI	P No.3 -, 1-2-10			BRACING- TOP CHORD BOT CHORD	Struc end v Rigid MiT	tural w erticals ceiling ek reco nstalleo	ood she s. directly ommend d during	athing direct applied or 1 s that Stabil truss erectio	lly applied or 6-0-0 oc 10-0-0 oc bracing. izers and required cro on, in accordance with	purlins, except oss bracing o Stabilizer
REACTIONS.	All bearing	s 25-1-0				Insta	allation	guide.		•	

(lb) - Max Horz 31=-221(LC 10)

Max Uplift All uplift 100 lb or less at joint(s) 29, 24, 25, 26, 27, 28, 21, 20, 19, 18, 17 except 31=-136(LC 8), 15=-110(LC 9), 30=-145(LC 12)

Max Grav All reactions 250 lb or less at joint(s) 31, 29, 26, 27, 28, 19, 18, 17, 15, 30 except 23=312(LC 22), 24=262(LC 20), 25=264(LC 20), 21=265(LC 21), 20=262(LC 21)

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

NOTES-(14-15)

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; end vertical left and right 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 TH CARO

5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads

All plates are 2x4 MT20 unless otherwise indicated.

7) Gable requires continuous bottom chord bearing.

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) 29, 24, 25, 26, 27, 28

21, 20, 19, 18, 17 except (it=lb) 31=136, 15=110, 30=145.

MARK

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

3/202 - Succural design to interfuzes to Support the loads indicated. Covining by begin arameters 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.

PROFESS,

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ANGINE K. MORALS

10/13/2020

Job	Truss	Truss Type	Qty	Ply	LOT 1169 CARRIAGE CIRCLE 84 SPRUCE HOLLO	W CIRCLE SPRING LAKE
20-4692-R01	R07	GABLE	1	1	Job Reference (optional)	# 24002

8.330 s Mar 10 2020 MITek Industries, Inc. Wed Oct 14 21:39:01 2020 Page 2 ID:VaeaK7vWB81xgotwpMaLleyLxWJ-uat_F04QIVZ3C_3O0DENFsqAgTpoORb07YmEJByT038

LOAD CASE(S) Standard



10/13/2020



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 read notes before use. This design is based only upon parameters shown, and is for an individual building component to be instanted and toaded 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 1169 CARRIAGE CIRCLE 84 SPRUCE HOLLOW CIRCLE SPRING LAKE,
20-4692-R01	R09	ROOF SPECIAL	3	1	Job Reference (optional) # 24002
					8.330 s Mar 10 2020 MiTek Industries, Inc. Wed Oct 14 21:39:06 2020 Page 2

ID:VaeaK7vWB81xgotwpMaLleyLxWJ-FXgtlj8Z61BMJlyMpmpYywYx3UMn3Z_IHqT?_PyTO33

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



10/13/2020



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.

Job	Truss	Truss Type	Qty	Ply	LOT 1169 CARRIAGE CIRCLE 84 SPRUCE HOLLOW CIRCLE SPRING LAKE,
20-4692-R01	R10	ROOF SPECIAL	1	1	Job Reference (optional) # 24002
					8.330 s Mar 10 2020 MiTek Industries, Inc. Wed Oct 14 21:39:09 2020 Page 2

ID:VaeaK7vWB81xgotwpMaLleyLxWJ-f6M?wlBRPyZxADgxUuNFaYARhiKGGt7BzoifbkyTO30

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



10/13/2020



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 1169 CARRIAGE CIRCLE 84 SPRUCE HOLLOW CIRCLE SPRING LAKE
20-4692-R01	R13	Roof Special	2	1	Job Reference (optional) # 24002
					8 330 s Mar 10 2020 MiTek Industrias Inc. Wed Oct 14 21:30:15 2020 Page 2

ID:VaeaK7vWB81xgotwpMaLleyLxWJ-UGjGBoFC_oK4u885r9UfppQSm6Negbn4Lj9zoNyTO2w

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



10/13/2020





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.



Max Grav A	All reactions	250 lb or less	at joint(s) 7	except 11=	510(LC 12), 9	9=268(LC 20), ⁻	10=323(LC 20	0), 8=30
20	J)							

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

TOP CHORD 2-11=-502/385, 2-3=-360/296, 3-4=-263/201

BOT CHORD 10-11=-307/225

WEBS 2-10=-315/431

NOTES-(13-14)

- 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; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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/TP11. 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) All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- 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
- 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.

BEAL 28147 Get Will MANNEET BEAL 2017 GET WILL Continuing by ber berge Zesign 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.

Job	Truss	Truss Type	Qty	Ply	LOT 1169 CARRIAGE CIRCLE 84 SPRUCE HOLLOW CIRCLE SPRING LAK
20-4692-R01	R24	Monopitch Supported Gable	1	1	Job Reference (optional) # 24002
					8 330 s Mar 10 2020 MiTek Industries Inc. Wed Oct 14 21:30:17 2020 Page 2

8.330 s Mar 10 2020 Millek industries, inc. Wed Oct 14 21:39:17 2020 Page 2 ID:VaeaK7vWB81xgotwpMaLleyLxWJ-Qfr1cUHTWQao7RHTyaW7vEVuCwH08gPMp1e4sGyTO2u

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

Job	Truss	Truss Type	Qty	Ply	LOT 1169 CARRIAGE CIRCLE 84 SPRU	CE HOLLOW CIRCLE SPRING LAKE, N
20-4692-R01	R25	Attic	9	1	Job Reference (optional)	# 24002
					8 330 s Mar 10 2020 MiTek Industries Inc.	Wed Oct 14 21:39:19 2020 Page 2

ID:VaeaK7vWB81xgotwpMaLleyLxWJ-N1zn1Alj21qWMIRs4?Yb_fa1ijnTcXFfGL7Bx9yTO2s

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

10/13/2020

D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 1169 CARRIAGE CIRCLE 84 SPRU	ICE HOLLOW CIRCLE SPRING LAKE, N
20-4692-R01	R26	GABLE	1	1	Job Reference (optional)	# 24002
					8 330 c Mar 10 2020 MiTok Industrios Inc.	Wed Oct 14 21:30:21 2020 Page 2

ID:VaeaK7vWB81xgotwpMaLleyLxWJ-JQ4YRsKzae4Ec3bEBQb334fT3Xba4Vqykfcl?1yTO2q

NOTES- (16-17)

11) Ceiling dead load (5.0 psf) on member(s). 5-6, 12-13, 6-38, 37-38, 37-39, 12-39

12) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 30-32, 28-30, 26-28, 23-26, 22-23

13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 33, 21 except (jt=lb) 36=224, 18=216, 34=130, 35=305, 20=128, 19=303.

14) 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.

15) Attic room checked for L/360 deflection.

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

10/13/2020

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/TPL1.
- 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

10/13/2020

	1				
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-		BR	ACING-		
TOP CHORD 2x4 SP N	0.2	TC	P CHORD	Structural wood sheathing direct	tly applied or 6-3-13 oc purlins, except
WEBS 2x4 SP N	o.3	BC	T CHORD	Rigid ceiling directly applied or 1	0-0-0 oc bracing.
				MiTek recommends that Stabil 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. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) 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

10/13/2020