# 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 #: 26919 JOB: 21-2811-R01 JOB NAME: LOT 1158 CARRIAGE CIRCLE Wind Code: 37 Wind Speed: Vult= 130mph Exposure Category: B Mean Roof Height (feet): 23

37 Truss Design(s)

Trusses:

J01, J02, J02A, J03, J04, J05, J06, J07, J09, J10, PB01, PB02, R01, R02, R03, R04, R05, R06, R08, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R23, R24, R25, R26, VT01,



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



	,		
LUMBER-		BRACING-	
TOP CHORD 2x4 SP No.2	J	TOP CHORD	Structural wood sheathing directly applied or 5-11-4 oc purlins, except
BOT CHORD 2x4 SP No.2	-		end verticals.
WEBS 2x4 SP No.3	i	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
			MiTek recommends that Stabilizers and required cross bracing

REACTIONS. (lb/size) 6=229/0-3-8 (min. 0-1-8), 3=206/Mechanical, 4=23/Mechanical Max Horz 6=127(LC 12) Max Uplift3=-121(LC 12)

Max Grav 6=229(LC 1), 3=224(LC 19), 4=47(LC 5)

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; end vertical 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- \* 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.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Bearing at joint(s) 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 121 lb uplift at joint 3.
- 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 Section 2000 (CARO) (
- structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

A MARINA MARINA SEAL 28147 NOINEE K. MORR 6/4/2021

be installed during truss erection, in accordance with Stabilizer

Installation guide.



### LUMBER-

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2

2x4 SP No 3 WFBS

TOP CHORD Structural wood sheathing directly applied or 3-1-3 oc purlins, except end verticals BOT CHORD

Rigid ceiling directly applied or 10-0-0 oc bracing. MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 6=187/0-3-8 (min. 0-1-8), 3=76/Mechanical, 5=31/Mechanical Max Horz 6=125(LC 12) Max Uplift3=-80(LC 12), 5=-21(LC 12) Max Grav 6=187(LC 1), 3=89(LC 20), 5=62(LC 5)

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; end vertical 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) 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.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* 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.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 80 lb uplift at joint 3 and 21 lb uplift at joint 5.
- 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.
- structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard





- 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) 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.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* 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.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 99 lb uplift at joint 4.
- 7) 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) 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.
   I OAD CASE(S) or the loads







3) 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.

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

- 5) \* 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.
- 6) Refer to girder(s) for truss to truss connections.

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 67 lb uplift at joint 3 and 16 lb uplift at joint 2.

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





- 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.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 50 lb uplift at joint 3 and 64 lb uplift at joint 2.
- 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/TPI 1. 10) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates
- To stapilical 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.
- 11) 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 L	OT 1158 CARRIAGE CIRCLE	130 SPRUCE HOLLOW CIRCLE SPRING LAKE,
21-2811-R01	J05	Jack-Open Girder	1	1	ob Reference (optional)	# 26919
			ID:VaeaK7vW	B81xgotwpN	8.430 s Feb 12 2021 MiTek In aLleyLxWJ-i8seMmKX_H	dustries, Inc. Sat Jun 5 17:24:02 2021 Page 1 kDWk?LqLWlyqzl4pBfnA71lrSPDqz9HGB
		3-5	-4 -4	———————————————————————————————————————		
			3x4	1		Scale = 1:17.5
		8.00 12		2		
				w1 4	2.6.6	
		3x4 =		3		
				2x4		
		3-5 3-5	-4 -4			
Plate Offsets (X,Y) [2	:0-3-7,0-0-8]					
LOADING (psf)           TCLL (roof)         20.0           Snow (Pf)         20.0           TCDL         10.0           BCLL         0.0 *           BCDL         10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2018/T	2-0-0         CSI.           1.15         TC         0.20           1.15         BC         0.24           NO         WB         0.00           PI2014         Matrix-P	<b>DEFL.</b> Vert(LL) Vert(CT) Horz(CT)	in (loc -0.00 1-4 -0.01 1-4 -0.00 2	) l/defi L/d 4 >999 240 4 >999 180 2 n/a n/a	PLATES         GRIP           MT20         244/190           Weight: 18 lb         FT = 0%
LUMBER- TOP CHORD 2x4 SP I BOT CHORD 2x6 SP I	No.2 No.2		BRACING- TOP CHORD BOT CHORD	Structural Rigid ceili	wood sheathing directly ng directly applied or 10	applied or 3-5-4 oc purlins. -0-0 oc bracing.
REACTIONS. (lb/size)	1=262/0-3-8 (min. 0-1-8)	, 4=145/Mechanical, 2=91/Mechanica	I	MiTek re be instal Installati	commends that Stabiliz led during truss erection on guide.	ers and required cross bracing , in accordance with Stabilizer
Max Ho Max Up Max Gra	z1=85(LC 10) ift1=-12(LC 10), 2=-73(LC 1 iv1=262(LC 1), 4=145(LC 1	10) 1), 2=99(LC 17)				
FORCES. (Ib) - Max. C	comp./Max. Ten All forces	s 250 (lb) or less except when shown.				
NOTES- (12-13) 1) Wind: ASCE 7-16; V (envelope) gable end 2) TCLL: ASCE 7-16; P Cat B; Partially Exp.; 3) This truss has been 4) * This truss has been 5) Refer to girder(s) for 6) Provide mechanical 7) This truss is designe to add a NSUTD 1	ult=130mph (3-second gust I zone; Lumber DOL=1.60 pf r=20.0 psf (roof LL: Lum DC Ce=1.0; Cs=1.00; Ct=1.10 designed for a 10.0 psf bott n designed for a live load of chord and any other member truss to truss connections. connection (by others) of trud d in accordance with the 20	t) Vasd=103mph; TCDL=5.0psf; BCDI olate grip DOL=1.60 DL=1.15 Plate DOL=1.15); Pf=20.0 ps om chord live load nonconcurrent with '30.0psf on the bottom chord in all are ers. Uss to bearing plate capable of withsta 118 International Residential Code sec	L=5.0psf; h=23ft; ( af (Lum DOL=1.15 any other live loa as where a rectar anding 12 lb uplift tions R502.11.1 a	Cat. II; Exp i Plate DOL ads. ngle 3-6-0 ta at joint 1 an and R802.1	B; Enclosed; MWFRS =1.15); Is=1.0; Rough all by 1-0-0 wide will fit d 73 lb uplift at joint 2. 0.2 and referenced	
standard ANSI/IPI 1 8) Gap between inside 9) Use Simpson Strong truss(es) R19 (1 ply 1 10) Fill all nail holes wh 11) In the LOAD CASE 12) Graphical web brac that the member m 13) Bearing symbols ar structural design of	of top chord bearing and firs -Tie LUS24 (4-10d Girder, 2 2x4 SP) to back face of bott ere hanger is in contact witi (S) section, loads applied to ing representation does not ust be braced. e only graphical representa the truss to support the loa	st diagonal or vertical web shall not ex 2-10d Truss, Single Ply Girder) or equ tom chord. h lumber. b the face of the truss are noted as fro t depict the size, type or the orientation tions of a possible bearing condition. I ds indicated.	cceed 0.500in. ivalent at 1-5-8 fro nt (F) or back (B). n of the brace on t Bearing symbols a	om the left e the web. Sy are not cons	end to connect mbol only indicates	SEAL 28147
LOAD CASE(S) Standa 1) Dead + Snow (balan Uniform Loads (plf) Vert: 1-2=-60 Concentrated Loads	Ird ced): Lumber Increase=1.1 (, 1-3=-20 (Ib)	5, Plate Increase=1.15				TAL K. MORREN
Vert: 5=-251	(B)					6/4/2021
Warning !—Verify desi vertically. Applicability of of individual was marked	gn parameters and read notes of design parameters and proper	before use. This design is based only upon incorporation of component is responsibility	parameters shown, a	and is for an in r – not truss d	ndividual building component esigner or truss engineer. B	t to be installed and loaded racing shown is for lateral support

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.



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 Trusse Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job	Iruss Typ	e Qty	Ply	LOT 1158 CARRIAGE CIRCLE   130 SPRUCE HOLI	OW CIRCLE SPRING LAKE,
21-2811-R01 J06	Half Hip Gir	der 1	1	Job Reference (optional)	# 26919

8.430 s Feb 12 2021 MiTek Industries, Inc. Sat Jun 5 17:24:03 2021 Page 2 ID:VaeaK7vWB81xgotwpMaLleyLxWJ-AKQ0a6L9lb348taXO21\_V2WU3DZVWdNB\_VCyIHz9HGA

LOAD CASE(S) Standard Concentrated Loads (Ib)

Vert: 3=-78(F) 6=-15(F)

SEAL 28147 6/4/2021 Be installed and loaded

Job	Truss	Truss Type	Qty	Ply LOT 1158 CARRIAGE CIRCI	LE   130 SPRUCE HOLLOW CIRCLE SPRING LAKE,
21-2811-R01	J07	Half Hip	1	1 Job Reference (optional)	# 26919
			ID:VaeaK7vWB8	8.430 s Feb 12 2021 MiTek 81xgotwpMaLleyLxWJ-AKQ0a6L9lb34	Industries, Inc. Sat Jun 5 17:24:03 2021 Page 1 I8taXO21 V2WV4DasWdNB VCyIHz9HGA
	H	-0-10-8	<u>2-5-0</u> 2-5-0	3-5-4	/
					Scale = 1:14.0
	r			$3 \qquad 4^{2X4}$	
			/		
		8.00 12			
	9.6	Т		W1	
	~				
	Г	2			
			B1	, L., ,	
				X	
				5	
		2×4 =		2×4	
		5x4 —		234	
			2-5-0	3-5-4	
Plate Offsets (X,Y) [3	:0-4-8,0-2-8]		2-3-0	1-0-4	
LOADING (psf)	SPACING-	2-0-0 <b>CSI</b> .	DEFL.	in (loc) l/defl L/d	PLATES GRIP
Snow (Pf) 20.0	Plate Grip DOL Lumber DOL	1.15 TC 0.1 1.15 BC 0.0	1 Vert(LL) 5 Vert(CT)	-0.00 2-5 >999 240 -0.00 2-5 >999 180	MT20 244/190
BCLL 0.0 *	Rep Stress Incr	YES WB 0.0 PI2014 Matrix-R	0 Horz(CŤ)	0.00 5 n/a n/a	Weight: 18 lb $FT = 0\%$
BCDL 10.0					
TOP CHORD 2x4 SP	No.2		TOP CHORD	Structural wood sheathing direct	tly applied or 3-5-4 oc purlins,except
BOT CHORD 2x6 SP I WEBS 2x4 SP I	No.2 No.3		BOT CHORD	end verticals. Rigid ceiling directly applied or 1	10-0-0 oc bracing.
				MiTek recommends that Stabil	lizers and required cross bracing
				Installation guide.	on, in accordance with Stabilizer

(lb/size) 5=116/Mechanical, 2=197/0-3-8 (min. 0-1-8) REACTIONS. Max Horz 2=78(LC 12) Max Uplift5=-30(LC 12), 2=-27(LC 12)

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) Provide adequate drainage to prevent water ponding.

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

- standard ANSI/TPI 1. 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 only graphical representations of a possible bearing condition. Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are only graphical representations of a possible bearing condition.

LOAD CASE(S) Standard







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)

- 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.

7) 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.

- 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/TPI 1.
- 10) 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.
- 11) 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

will fit





- 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.
- 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 structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

MORPHS INTERNAL MORPHS INTERNAL MORPHS INTERNAL MARKEN INTERNA 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 Trusse Construction and BCSI 1-03 Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses from Trusse Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

NOINEE

6/4/2021



Verifically. Applied bility 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 1158 CARRIAGE CIRCLE   130 SPRUC	CE HOLLOW CIRCLE SPRING LAKE,
21-2811-R01	R01	Roof Special Supported Gable	1	1	Job Reference (optional)	# 26919
					8 430 c Ech 12 2021 MiTok Industrios Inc.	Sat Jun 5 17:24:00 2021 Page 2

ID:VaeaK7vWB81xgotwpMaLleyLxWJ-\_UnHq9PwLRpEso1hIJ8OIJmUAecGvId3MRfHzwz9HG4

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





Presponsibility 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.









ob	Truss	Truss Type	Qty	Ply	LOT 1158 CARRIAGE CIRC	LE   130 SPRUCE HOLLOW CIRCLE SPRING LA
1-2811-R01	R08	Half Hip Girder	2	1	Ich Reference (entional)	# 26919
			ID:\/aeaK7vWB	81xaotwpM	8.430 s Feb 12 2021 MiTek	Industries, Inc. Sat Jun 5 17:24:14 2021 Page 1 WyaweXskZSMTI MfKSab5oWiN2e8z9HG3
		-0-10-8 1-9-3		<u>3-1-3</u>		
		0-10-0 1-9-3		1-4-0		Seele - 1:16 E
					4	Scale - 1.10.0
			An-	T2		
				J		
		12 00 12				
		12100   12				
	4	2x4	/		W2	
	2-6	2 T1				
	1					
	-					
	-0		D1			
					$\overline{\mathbf{x}}$	
			7		5	
			NAILED			
		6 2x4		:	2x4	
		1-9-3		3-1-3		
Plate Offsets (X V)	3.0-1-8 0-2-01	1-9-3		1-4-0		
-DADING (psf)		2.0.0	DEEL	in (I		
CLL (roof) 20.0	Plate Grip DOL	2-0-0 <b>CSI.</b> 1.15 TC 0.24	Vert(LL)	-0.00	6 >999 240	MT20 244/190
CDL 10.0	Lumber DOL Rep Stress Incr	1.15 BC 0.04 NO WB 0.00	Vert(CT) Horz(CT)	-0.00 -0.00	5-6 >999 180 5 n/a n/a	
3CLL 0.0 3CDL 10.0	Code IRC2018/T	PI2014 Matrix-R				Weight: 20 lb FT = 0%
UMBER-	No 2		BRACING-	Structur	al wood aboathing direa	the applied or 2.1.2 as purling execut
BOT CHORD 2x4 SP	No.2 No.2			end ver	ticals.	aly applied or 3-1-3 oc purlins, except
WEBS 2x4 SF W1: 2x	No.3 *Except* 6 SP No.2		BOT CHORD	Rigid ce MiTek	eiling directly applied or recommends that Stabi	10-0-0 oc bracing.
				be inst	talled during truss erecti	on, in accordance with Stabilizer
REACTIONS. (Ib/size	e) 5=180/Mechanical, 6=254	4/0-3-8 (min. 0-1-8)		Installa	alion guide.	
Max H Max U	orz 6=81(LC 33) olift5=-95(LC 10), 6=-54(LC <sup>-</sup>	0)				
Max G	rav 5=182(LC 26), 6=254(LC	1)				
ORCES. (Ib) - Max.	Comp./Max. Ten All forces	250 (lb) or less except when shown.				
<b>IOTES-</b> (12-13)						
) Wind: ASCE 7-16; (envelope) gable e	Vult=130mph (3-second gust nd zone; end vertical left expo	) Vasd=103mph; TCDL=5.0psf; BCDl osed; Lumber DOL=1.60 plate grip D0	L=5.0psf; h=23ft; OL=1.60	Cat. II; Ex	p B; Enclosed; MWFRS	
) TCLL: ASCE 7-16; Cat B: Partially Exc	Pr=20.0 psf (roof LL: Lum D Ce=1 0: Cs=1 00: Ct=1 10	DL=1.15 Plate DOL=1.15); Pf=20.0 ps	sf (Lum DOL=1.18	5 Plate DC	DL=1.15); ls=1.0; Rough	
) This truss has been	designed for greater of min	roof live load of 12.0 psf or 2.00 times	s flat roof load of 2	20.0 psf o	n overhangs	
) Provide adequate o	rainage to prevent water por	ding.				
) This truss has beer ) * This truss has be	i designed for a 10.0 psf bott en designed for a live load of	om chord live load nonconcurrent with 30.0psf on the bottom chord in all are	h any other live lo eas where a recta	ads. ngle 3-6-0	) tall by 1-0-0 wide will fit	t
between the botton ) Refer to girder(s) for	chord and any other member r truss to truss connections.	ers.				
) Provide mechanica	l connection (by others) of tru	iss to bearing plate capable of withsta	anding 100 lb upli	ft at joint(s	s) 5, 6.	
standard ANSI/TPI						WHENTH CAROLINI
0) "NAILED" indicate 1) In the LOAD CAS	s 3-10d (0.148"x3") or 3-12d E(S) section, loads applied to	(0.148"x3.25") toe-nails per NDS guid the face of the truss are noted as fro	dlines. ont (F) or back (B)		MILL.	ROFESSIONS
2) Graphical web bra	cing representation does not	depict the size, type or the orientatio	n of the brace on	the web.	Symbol only indicate	SFAL
3) Bearing symbols a	f the trues to support the last	tions of a possible bearing condition.	Bearing symbols	are not co	onsidered in the	28147
structural design (	n the truss to support the loa	us mulcaleu.			HIIII	
.OAD CASE(S) Stand ) Dead + Snow (bala	lard nced): Lumber Increase=1.1	5, Plate Increase=1.15			in.	A WOINEER OS IN
Uniform Loads (plf)	0 2-3=-60 3-1=-60 5-6- 20					Man K. MOHamm
veit. 1-21	0, 2-000, 0 <b>-</b> 400, 0-020					6/4/2021
						U/T/2U21

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 1158 CARRIAGE CIRCLE   130 SPRUCE HOLLOW CIRCLE SPRING L	KE, I
21-2811-R01	R08	Half Hip Girder	2	1	Job Reference (optional) # 26919	

8.430 s Feb 12 2021 MITek Industries, Inc. Sat Jun 5 17:24:15 2021 Page 2 ID:VaeaK7vWB81xgotwpMaLleyLxWJ-pe8Z5CUhwHaNajVq5ZFo\_a0W63ghJ2LykN6bAaz9HG\_

LOAD CASE(S) Standard Concentrated Loads (Ib)

Vert: 3=-146(B) 7=-3(B)

SEAL 28147 6/4/2021 Grand Langer

ob	Truss	Truss Type	Qty	Ply	LOT 1158 CARRIAGE CIRCI	E   130 SPRUCE HOLLOW CIRCLE SPRING L
1-2811-R01	R10	Half Hip Girder	1	1		# 26919
			ID:\/aeaK7\/WF	81xaotwo	8.430 s Feb 12 2021 MiTek	Industries, Inc. Sat Jun 5 17:24:15 2021 Page
		-0-10-8 1-9-3		3-1-3 1-4-0		
		0-10-0 1-5-5		1-4-0		Scale - 1:16
					4	Stale - 1.10.
			<u>nin</u>	T2		
				J		
		12 00 12				
		12.00   12				
	4	2x4	/		W2	
	2-9	T1				
	I					
	-					
	-0-1		<b>D</b> 4		4-1;	
	ŢĹ		7		5	
			NAILED		•	
		<del>6</del>		2	2x4	
		1.0.3		3-1-3		
lata Offacta (X X)	[2:0 4 8 0 2 0]	1-9-3		1-4-0		
DADING (psf)		0 0 0 <b>00</b>	DEEL			
CLL (roof) 20.	0 Plate Grip DOL	2-0-0 CSI. 1.15 TC 0.17	Vert(LL)	in (le -0.00	oc) I/defi L/d 6 >999 240	MT20 244/190
CDL 10.	0 Lumber DOL 0 Rep Stress Incr	1.15 BC 0.04 NO WB 0.00	Vert(CT) Horz(CT)	-0.00	5-6 >999 180 5 n/a n/a	
CLL 0. CDL 10.	0 * Code IRC2018/1	Pl2014 Matrix-R				Weight: 20 lb FT = 0%
UMBER-			BRACING-	<u>.</u>		
OP CHORD 2x4 OT CHORD 2x6	SP No.2 SP No.2		TOP CHORD	Structur end verf	al wood sheathing direc icals.	tly applied or 3-1-3 oc purlins, except
/EBS 2x4 3 W1:	SP No.3 *Except* 2x6 SP No.2		BOT CHORD	Rigid ce	iling directly applied or 6	S-0-0 oc bracing.
				be inst	alled during truss erection	on, in accordance with Stabilizer
EACTIONS. (Ib/s	ize) 5=111/Mechanical, 6=20	D/0-3-8 (min. 0-1-8)		Installa	ation guide.	
Max Max	Horz 6=81(LC 10) Uplift5=-63(LC 10), 6=-29(LC	10)				
Max	Grav 5=113(LC 26), 6=200(LC	1)				
ORCES. (Ib) - Ma	ax. Comp./Max. Ten All forces	250 (lb) or less except when shown.				
<b>)))))))))))))))))))))</b> )))))))))))))))						
Wind: ASCE 7-1 (envelope) gable	6; Vult=130mph (3-second gus end zone; end vertical left exp	:) Vasd=103mph; TCDL=5.0psf; BCDI osed; Lumber DOL=1.60 plate grip D0	L=5.0psf; h=23ft; DL=1.60	Cat. II; Ex	p B; Enclosed; MWFRS	
TCLL: ASCE 7-1 Cat B: Partially F	6; Pr=20.0 psf (roof LL: Lum D	OL=1.15 Plate DOL=1.15); Pf=20.0 ps	sf (Lum DOL=1.1	5 Plate DC	0L=1.15); ls=1.0; Rough	
This truss has be	een designed for greater of min	roof live load of 12.0 psf or 2.00 times	s flat roof load of	20.0 psf oi	n overhangs	
Provide adequate	e drainage to prevent water por	nding.				
This truss has be * This truss has I	een designed for a 10.0 psf bott been designed for a live load of	om chord live load nonconcurrent with 30.0psf on the bottom chord in all are	n any other live lo eas where a recta	ads. ngle 3-6-0	tall by 1-0-0 wide will fit	
between the bott	om chord and any other memb	ers.		-		
Provide mechani	cal connection (by others) of the	uss to bearing plate capable of withsta	anding 100 lb upli	ft at joint(s	b) 5, 6.	ANNIHII GIA
standard ANSI/T	PI 1.	18 International Residential Code sec	Cuons Rouz.11.1		. 10.2 and referenced	WINNETH CARO
) "NAILED" indica ) In the LOAD CA	ates 3-10d (0.148"x3") or 3-12d ASE(S) section, loads applied to	(0.148"x3.25") toe-nails per NDS guid the face of the truss are noted as fro	dlines. nt (F) or back (B)		Multi	OFESSION 9
Graphical web l	pracing representation does no	depict the size, type or the orientation	n of the brace on	the web. S	Symbol only indicate	SEAL SEAL
) Bearing symbol	s are only graphical representa	tions of a possible bearing condition.	Bearing symbols	are not co	nsidered in the	28147
structural desig	n or the truss to support the loa	as indicated.			HIIII	
DAD CASE(S) Sta Dead + Snow (ba	andard alanced): Lumber Increase=1.1	5 Plate Increase=1 15			1 Million	A NOINEER S IN
Uniform Loads (p	Dif)	)				MARK K. MOREMUN
vert: 1-2	00, 2-300, 3-4=-60, 5-6=-20	)				6/1/2021
						0/4/2021

or individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent oracing 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 1158 CARRIAGE CIRCLE   130 SPRUCE HO	DLLOW CIRCLE SPRING LAKE,
21-2811-R01	R10	Half Hip Girder	1	1	Job Reference (optional)	# 26919

8.430 s Feb 12 2021 MiTek Industries, Inc. Sat Jun 5 17:24:16 2021 Page 2 ID:VaeaK7vWB81xgotwpMaLleyLxWJ-HqixIYVJhbiECt41fHm1XnYiyS0z2Vb5z1s9i0z9HFz

LOAD CASE(S) Standard Concentrated Loads (Ib)

Vert: 3=-18(B) 7=-9(B)





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. Applied building 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 Trusses from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 1158 CARRIAGE CIRCLE   130 SPRUCE HOLLOW CIRCLE SPRING	LAKE, I
21-2811-R01	R11	Half Hip Girder	1	1	Job Reference (optional) # 26919	
					9 420 a Eab 12 2021 MiTak Industrias Inc. Sat Jun 5 17:24:17 2021 Dag	

8.430 s Feb 12 2021 MiTek Industries, Inc. Sat Jun 5 17:24:17 2021 Page 2 ID:VaeaK7vWB81xgotwpMaLleyLxWJ-I0GJWuVySuq5q1fDD\_HG3?5h0s8\_nIaFChbiETz9HFy

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

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-3=-60, 3-7=-60, 12-13=-20, 8-12=-20 Concentrated Loads (lb)

Vert: 3=-16(F) 5=-16(F) 11=-11(F) 14=-16(F) 15=-16(F) 16=-16(F) 17=-16(F) 18=-16(F) 19=-16(F) 20=-18(F) 21=-162(F) 22=-11(F) 23=-11(F) 24=-11(F) 25=-11(F) 26=-11(F) 27=-11(F) 28=-11(F) 29=-11(F) 29=-11(F) 29=-11(F) 20=-11(F) 2





Job	Truss	Truss Type	Qty	Ply	LOT 1158 CARRIAGE CIRCLE   130 SPRUCE HOLLOW CIRCLE SPRING LAKE
21-2811-R01	R12	Hip	1	1	Job Reference (optional) # 26919

8.430 s Feb 12 2021 MiTek Industries, Inc. Sat Jun 5 17:24:19 2021 Page 2 ID:VaeaK7vWB81xgotwpMaLleyLxWJ-iPO3xaXC\_W4p3LocKPJk8QA2GgtKFfdYf\_4pILz9HFw

LOAD CASE(S) Standard







D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 1158 CARRIAGE CIRCLE   130 SPRUCE	HOLLOW CIRCLE SPRING LAKE,
21-2811-R01	R14	Roof Special	3	1	Job Reference (optional)	# 26919
					8 430 c Eob 12 2021 MiTok Industrios, Inc. Sa	t lup 5 17:24:21 2021 Page 2

ID:VaeaK7vWB81xgotwpMaLleyLxWJ-eoVqLGZSW7KXley\_SqMCErFS5TU6jYZq7IZvNEz9HFu

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





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 1158 CARRIAGE CIRCLE   130 SPRUCE HOLLOW CIRCLE SPRING LAKE	
21-2811-R01	R15	ROOF SPECIAL	1	1	Job Reference (optional) # 26919	
8 430 s Feb 12 2021 MiTek Industries Inc. Sat Jun 5 17:24:22 2021 Page 2						

ID:VaeaK7vWB81xgotwpMaLleyLxWJ-6\_3CZbZ4HRSOwoXB?XtRm2oeFtqNS?e\_LyJTvgz9HFt

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





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 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 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 1158 CARRIAGE CIRCLE   130 SPRUCE	HOLLOW CIRCLE SPRING LAKE,
21-2811-R01	R16	Hip	1	1	Job Reference (optional)	# 26919
					9 420 a Eab 12 2021 MiTak Industrias Inc. S	ot lun E 17:24:22 2021 Dags 2

ID:VaeaK7vWB81xgotwpMaLleyLxWJ-aAdamxai2kaFYy6NZFOgJGLjZHEHBTd7ac20R6z9HFs

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





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 1158 CARRIAGE CIRCLE   130 SPRUCE HOLLOW CIRCLE SPRING LA
21-2811-R01	R17	Hip Girder	1	1	Job Reference (optional) # 26919

8.430 s Feb 12 2021 MiTek Industries, Inc. Sat Jun 5 17:24:25 2021 Page 2 ID:VaeaK7vWB81xgotwpMaLleyLxWJ-WZIKBdczZLqznGGlhgQ8OhQ2r5tmfMUQ1wX7W?z9HFq

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

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-3=-60, 3-5=-60, 5-7=-60, 12-13=-20, 6-12=-20 Concentrated Loads (lb)

Vert: 3=-16(B) 5=-16(B) 11=-11(B) 4=-16(B) 10=-11(B) 8=-11(B) 14=-16(B) 15=-16(B) 16=-16(B) 17=-16(B) 18=-162(B) 19=-11(B) 20=-11(B) 21=-11(B) 22=-11(B) 22=-11(B) 23=-93(B)





Job	Truss	Truss Type		Qty	Ply	LOT 1158 CAF	RRIAGE CIRCLI	E   130 SPRUCE HOLLOW CIRCLE SPRING LAKE
21-2811-R01	R19	Common		1	1	Job Referen	ce (optional)	# 26919
		0.40.0	ID:	VaeaK7vWB	81xgotwpM	8.430 s Feb 1 aLleyLxWJ-?	12 2021 MiTek li PIJjPzcbKfypP	ndustries, Inc. Sat Jun 5 17:24:26 2021 Page 1 QryENxNxuzOZUONO0BZGaHg2Rz9HFp
		-0-10-8   3- 0-10-8   3-	-3-8 -3-8		3-9-9			
			4x4 =	=				Scale = 1:28.9
	-0-1 	12.00 12 2x4    2	3 W2		12	4	١٩	
			UB	1		$\square$	0-0	
			5 2×4			0.4 -		
		2x4	2,44	11		2x4 —		
		J. 3.	-3-8		7-1-1	1		
Plate Offsets (X,Y)	[4:0-4-0,0-0-12]	3.	-3-8		3-9-9			
LOADING (psf) TCLL (roof) 20.0 Snow (Pf) 20.0 TCDI 10.0	<b>SPACING-</b> Plate Grip DOL Lumber DOL	2-0-0 <b>CSI.</b> 1.15 TC 1.15 BC	0.22 0.16	DEFL. Vert(LL) Vert(CT)	in (lo -0.01 4- -0.02 4-	c) l/defl -5 >999 -5 >999	L/d 240 180	PLATES         GRIP           MT20         244/190
BCLL 0.0 BCDL 10.0	* Rep Stress Incr Code IRC2018/1	YES WB PI2014 Matr	0.06 ix-SH	Horz(CT)	0.00	4 n/a	n/a	Weight: 34 lb FT = 0%
LUMBER- TOP CHORD 2x4 SP BOT CHORD 2x4 SP WEBS 2x4 SP	No.2 No.2 No.3		BRA TOP BOT	<b>CING-</b> CHORD CHORD	Structura end vertio Rigid ceil MiTek r be insta Installat	l wood shea cals. ling directly ecommends illed during ion guide.	athing directl applied or 10 s that Stabiliz truss erectio	y applied or 6-0-0 oc purlins, except 0-0-0 oc bracing. zers and required cross bracing n, in accordance with Stabilizer
REACTIONS. (Ib/size Max H Max U	e) 4=271/Mechanical, 6=34 orz 6=-108(LC 10) plift4=-27(LC 12), 6=-45(LC	1/0-3-8 (min. 0-1-8) 12)						
FORCES. (lb) - Max. TOP CHORD 2-3=-	Comp./Max. Ten All forces 262/71, 3-4=-270/65, 2-6=-3	250 (lb) or less except w 03/75	hen shown.					
<ul> <li>NOTES- (10-11)</li> <li>1) Unbalanced roof liv</li> <li>2) Wind: ASCE 7-16; (envelope) gable enshown; Lumber DC</li> <li>3) TCLL: ASCE 7-16; Cat B; Partially Exp</li> <li>4) This truss has beer non-concurrent with</li> <li>5) This truss has beer between the bottom</li> <li>7) Refer to girder(s) for</li> <li>8) Provide mechanica</li> <li>9) This truss is design standard ANSI/TPI</li> <li>10) Graphical web bra that the member r</li> <li>11) Bearing symbols a structural design of</li> <li>LOAD CASE(S) Stand</li> </ul>	re loads have been consider Vult=130mph (3-second gus nd zone and C-C Exterior(2) VL=1.60 plate grip DOL=1.60 Pr=20.0 psf (roof LL: Lum D o.; Ce=1.0; Cs=1.00; Ct=1.10 n designed for greater of min n other live loads. In designed for a live load of n chord and any other memb or truss to truss connections. I connection (by others) of trued in accordance with the 20 1. acing representation does no nust be braced. are only graphical representato of the truss to support the load dard	ed for this design. ) Vasd=103mph; TCDL= zone; end vertical left exp DL=1.15 Plate DOL=1.15 roof live load of 12.0 psf om chord live load nonco 30.0psf on the bottom ch ers. uss to bearing plate capal 18 International Residen a depict the size, type or th tions of a possible bearin ds indicated.	5.0psf; BCDL=5.0p losed;C-C for mem ); Pf=20.0 psf (Lurr or 2.00 times flat ro nourrent with any c lord in all areas wh ole of withstanding tial Code sections he orientation of th g condition. Bearin	osf; h=23ft; ( bers and for n DOL=1.15 pof load of 2 other live loa ere a rectar 100 lb uplifi R502.11.1 a e brace on t ig symbols a	Cat. II; Exp rces & MW Plate DOL 20.0 psf on ads. ngle 3-6-0 f and R802.1 the web. Sy are not con	B; Enclose /FRS for rea _=1.15); Is= overhangs tall by 1-0-0 4, 6. I0.2 and ref ymbol only i asidered in t	d; MWFRS actions 1.0; Rough wide will fit erenced he	SEAL 28147
								6/4/2021



or individual web memoers 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 1158 CARRIAGE CIRCLE   130 SPRUCE HOLLO	W CIRCLE SPRING LAKE,
21-2811-R01	R20	Roof Special Girder	1	1	Job Reference (optional)	<i>¥ 26919</i>

ID:VaeaK7vWB81xgotwpMaLleyLxWJ-x8QTqfersGCXej\_KMo\_r0J2hElzRsmaskumn7Kz9HFn

# LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-4=-60, 4-5=-60, 5-6=-60, 6-9=-60, 2-8=-20

Concentrated Loads (lb)

Vert: 6=-31(F) 10=-96(F) 15=-125(F) 16=-137(F)





#### LUMBER-BRACING-TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 7-1-1 oc purlins, except BOT CHORD 2x4 SP No.2 end verticals 2x4 SP No.3 BOT CHORD WFBS Rigid ceiling directly applied or 10-0-0 oc bracing. MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer

Installation guide.

#### REACTIONS. All bearings 7-1-1.

(lb) - Max Horz 5=-100(LC 10) Max Uplift All uplift 100 lb or less at joint(s) 3, 5, 4 Max Grav All reactions 250 lb or less at joint(s) 3, 3, 5 except 4=324(LC 20)

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

#### NOTES-(8-9)

LOAD CASE(S) Standard

- 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; end vertical left exposed;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 a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* 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.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 5, 4.
- 7) 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) 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.



Job	Truss	Truss Type	Qty	Ply	LOT 1158 CARRIAGE CIRCLE	E   130 SPRUCE HOLLOW CIRCLE SPRING LA
21-2811-R01	R24	Monopitch Supported Gable	1	1	Ich Reference (entionel)	# 26919
				ND01xmatum	Bob Reference (optional) 8.430 s Feb 12 2021 MiTek In	idustries, Inc. Sat Jun 5 17:24:30 2021 Page 1
		-0-10-8	8-4-0	ива і хдоімр	INIALIEYLXWJ-IWYDERGOU	
		0-10-8	8-4-0	I		
			00 12 5 4 3 8 5T2 5T1 5T1 5T2 5T2	6 B WV3		Scale = 1:35.8
Plate Offsets (X,Y)	2:0-1-4.0-1-8]	11	10 9 8 3x4 =	7		
LOADING (psf)	SPACING	200 <b>CSI</b>	DEEL	in (lo	ac) l/defl l/d	
TCLL (roof)         20.0           Snow (Pf)         20.0           TCDL         10.0           BCLL         0.0           BCDL         10.0	Plate Grip DOI Lumber DOL Rep Stress Inc Code IRC2018	2-0-0         CSI.           -         1.15         TC 0.1           1.15         BC 0.1           r         YES         WB 0.2           /TPl2014         Matrix-P	5 Vert(LL) 1 Vert(CT) 20 Horz(CT)	0.00 0.00 -0.00	nc) i/defi L/d 1 n/r 180 1 n/r 80 7 n/a n/a	MT20 244/190 Weight: 79 lb FT = 0%
LUMBER- TOP CHORD 2x4 SP BOT CHORD 2x4 SP WEBS 2x4 SP OTHERS 2x4 SP	No.2 No.3 No.3 No.3		BRACING- TOP CHORD BOT CHORD WEBS	Structura end verti Rigid cei 1 Row at MiTek i be insta Installa	al wood sheathing directly cals. ling directly applied or 10 t midpt 6-7 recommends that Stabiliz alled during truss erectior tion quide	/ applied or 6-0-0 oc purlins, except )-0-0 oc bracing. ters and required cross bracing n, in accordance with Stabilizer
REACTIONS. All be (Ib) - Max H Max U Max G	arings 8-4-0. brz 11=295(LC 12) blift All uplift 100 lb or less 12) rav All reactions 250 lb or 20)	at joint(s) 7 except 11=-145(LC less at joint(s) 7 except 11=510	10), 9=-105(LC 12), 10 (LC 12), 9=268(LC 20),	396(LC 12 10=323(LC	2), 8=-114(LC 20), 8=302(LC	
FORCES.         (lb) - Max.           TOP CHORD         2-11=           BOT CHORD         10-11           WEBS         2-10=	Comp./Max. Ten All forc -502/385, 2-3=-360/296, 3 =-307/225 -315/431	es 250 (lb) or less except when -4=-263/201	shown.			
NOTES- (13-14) 1) Wind: ASCE 7-16; (envelope) gable er shown; Lumber DO 2) Truss designed for Gable End Details a 3) TCLL: ASCE 7-16; Cat B; Partially Exp 4) This truss has beer non-concurrent with 5) All plates are 2x4 M 6) Gable requires con 7) Truss to be fully shi 8) Gable studs space 9) This truss has beer	Vult=130mph (3-second gu d zone and C-C Exterior(2 L=1.60 plate grip DOL=1.6 wind loads in the plane of as applicable, or consult qu Pr=20.0 psf (roof LL: Lum ; Ce=1.0; Cs=1.00; Ct=1.7 designed for greater of m other live loads. IT20 unless otherwise indi- inuous bottom chord bear athed from one face or set at 2-0-0 oc.	ist) Vasd=103mph; TCDL=5.0ps ) zone; end vertical left exposed 0 the truss only. For studs expos- ialified building designer as per DOL=1.15 Plate DOL=1.15); Pf= 0 in roof live load of 12.0 psf or 2.0 cated. ng. curely braced against lateral mo- bitom chord live load nonconcur	sf; BCDL=5.0psf; h=23ft; d;C-C for members and f ed to wind (normal to the ANSI/TPI 1. =20.0 psf (Lum DOL=1.1 00 times flat roof load of ovement (i.e. diagonal we rent with any other live lo	Cat. II; Exp prces & MV e face), see 5 Plate DO 20.0 psf on eb).	<ul> <li>B; Enclosed; MWFRS VFRS for reactions</li> <li>Standard Industry</li> <li>L=1.15); Is=1.0; Rough</li> <li>overhangs</li> </ul>	SEAL 28147

- 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 🛲 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.

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 designer. 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.

GINE

6/4/2021

K. MO

Job	Truss	Truss Type	Qty	Ply	LOT 1158 CARRIAGE CIRCLE   130 SPRUCE HOLLC	W CIRCLE SPRING LAKE,
21-2811-R01	R24	Monopitch Supported Gable	1	1	Job Reference (optional)	¥ 26919
					8 430 s Feb 12 2021 MiTek Industries Inc. Sat Jun 4	5 17·2//·31 2021 Page 2

8.430 s Feb 12 2021 Mi Lek Industries, Inc. Sat Jun 5 17:24:31 2021 Page 2 ID:VaeaK7vWB81xgotwpMaLleyLxWJ-Lj6cSggk9Bb6VBjv1wXYeygGVV7L3E9JQs\_Rjf29HFk

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





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 1158 CARRIAGE CIRCLE   130 SPRUCE HOLLOW CIRCLE SPRING LA
21-2811-R01	R25	Attic	9	1	Job Reference (optional) # 26919
					8 / 30 s Eeb 12 2021 MiTek Industries Inc. Sat Jun 5 17:27:33 2021 Page 2

8.430 s Feb 12 2021 MiTek Industries, Inc. Sat Jun 5 17:24:33 2021 Page 2 ID:VaeaK7vWB81xgotwpMaLleyLxWJ-I5EMtMi\_hprqkUtI9LZ0jNIP?JcoX5?btATYoXz9HFi

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





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 1158 CARRIAGE CIRCLE   130 SPRUCE	HOLLOW CIRCLE SPRING LAK		
21-2811-R01	R26	GABLE	1	1	Job Reference (optional)	# 26919		
8.430 s Feb 12 2021 MiTek Industries, Inc. Sat Jun 5 17:24:35 2021 Page 2 ID:VaeaK7vWB81xgotwpMaLlevLxWJ-EUL6I2iEDQ5Y_o1gGmcUoorrQ7QA?2IuLUvftQz9HFg								

### NOTES- (17-18)

- 13) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 30-32, 28-30, 26-28, 23-26, 22-23
- 14) 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=229, 18=221, 34=124, 35=300, 20=123, 19=298.
- 15) 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.
- 16) Attic room checked for L/360 deflection.
- 17) 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. 18) 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





### 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 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2018/TPI2014	<b>CSI.</b> TC 0.81 BC 0.60 WB 0.00 Matrix-P	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           Weight: 20 lb         FT = 0%
LUMBER- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.3 WEBS 2x4 SP No.3			BRACING- TOP CHORD BOT CHORD	Structural wood sheathing direc end verticals. Rigid ceiling directly applied or	tly applied or 6-3-13 oc purlins, except 10-0-0 oc bracing.
				MiTek recommends that Stabi be installed during truss erecti Installation guide.	lizers 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

