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 #: 27083 JOB: 20-4573-R01 JOB NAME: LOT 1115 ANDERSON CREEK Wind Code: 37 Wind Speed: Vult= 135mph Exposure Category: B Mean Roof Height (feet): 23

58 Truss Design(s)

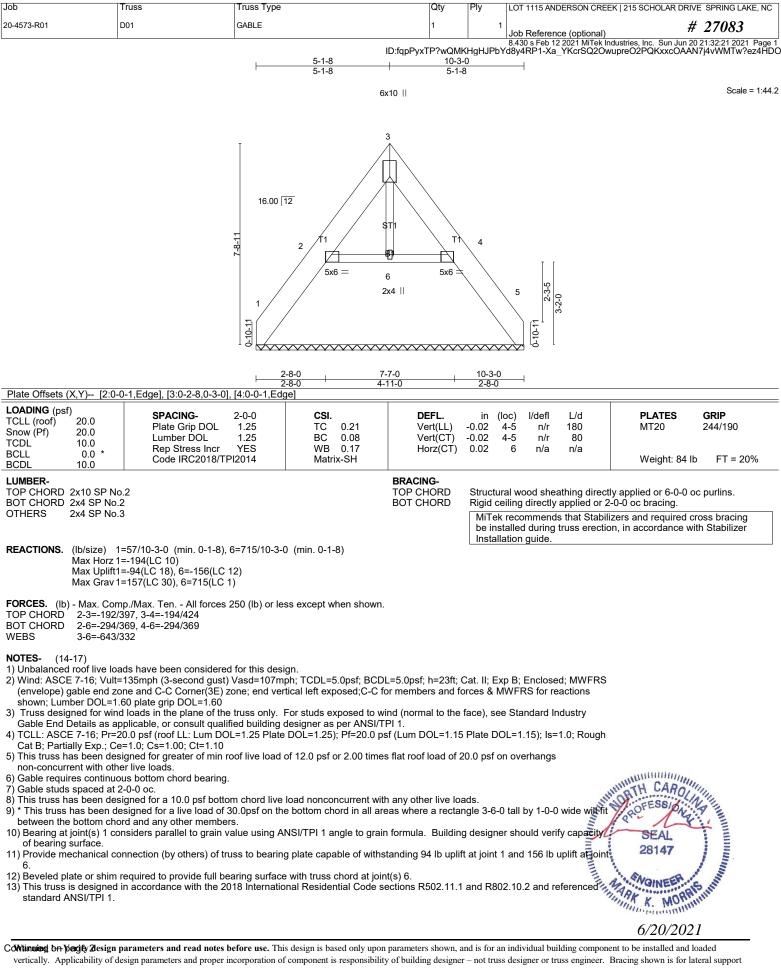
Trusses:

D01, D02, J01, J02, J03, J04, J05, J06, J07, J08, J08A, J09, J10, J11, J12, J13, M01, M02, M03, PB01, PB02, PB03, R01, R02, R02A, R02B, R03, R03A, R04, R05, R06, R07, R08, R09, R12, R13, R14, R15, R16, R17, R18, R19, VT01, VT02, VT03, VT04, VT05, VT06, VT07, VT08, VT09, VT10, VT11, VT12, VT13, VT14, VT15, VT16



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*,



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 1115 ANDERSON CREEK 215 SCI	HOLAR DRIVE SPRING LAKE, NC
20-4573-R01	D01	GABLE	1	1	Job Reference (optional)	# 27083
	1				8 430 s Feb 12 2021 MiTek Industries Inc	Sun Jun 20 21:32:21 2021 Page 2

ID:fqpPyxTP?wQMKHgHJPbYd8y4RP1-Xa_YKcrSQ2OwupreO2PQKxxcOAAN7j4vWMTw?ez4HDO

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

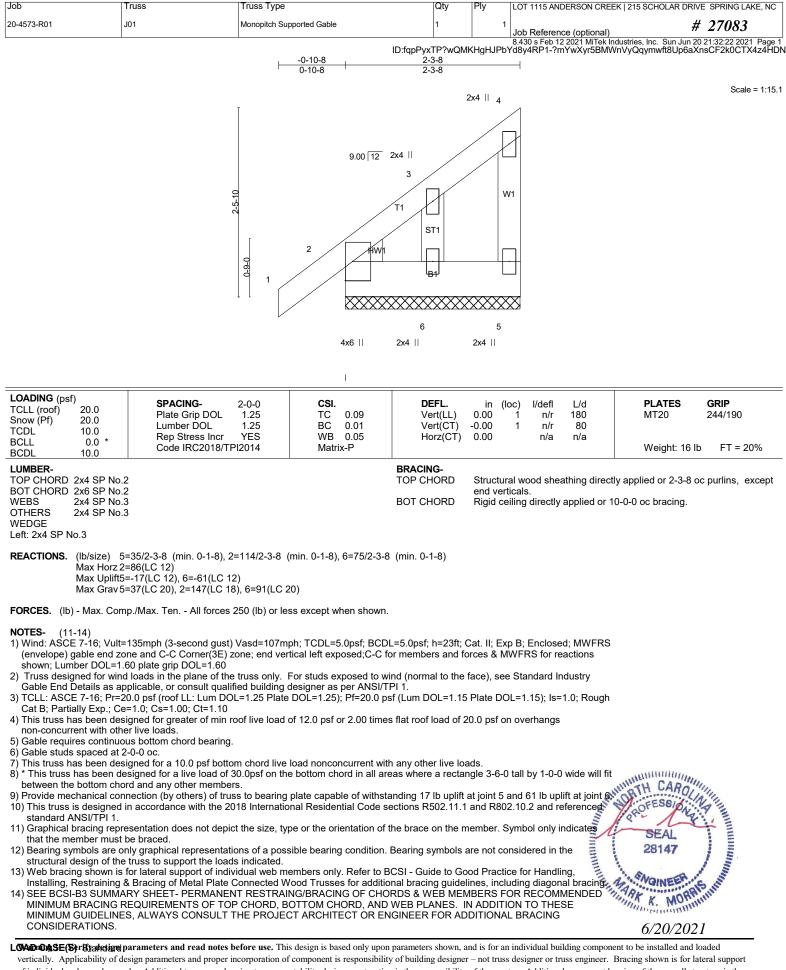
 16) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 17) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS

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

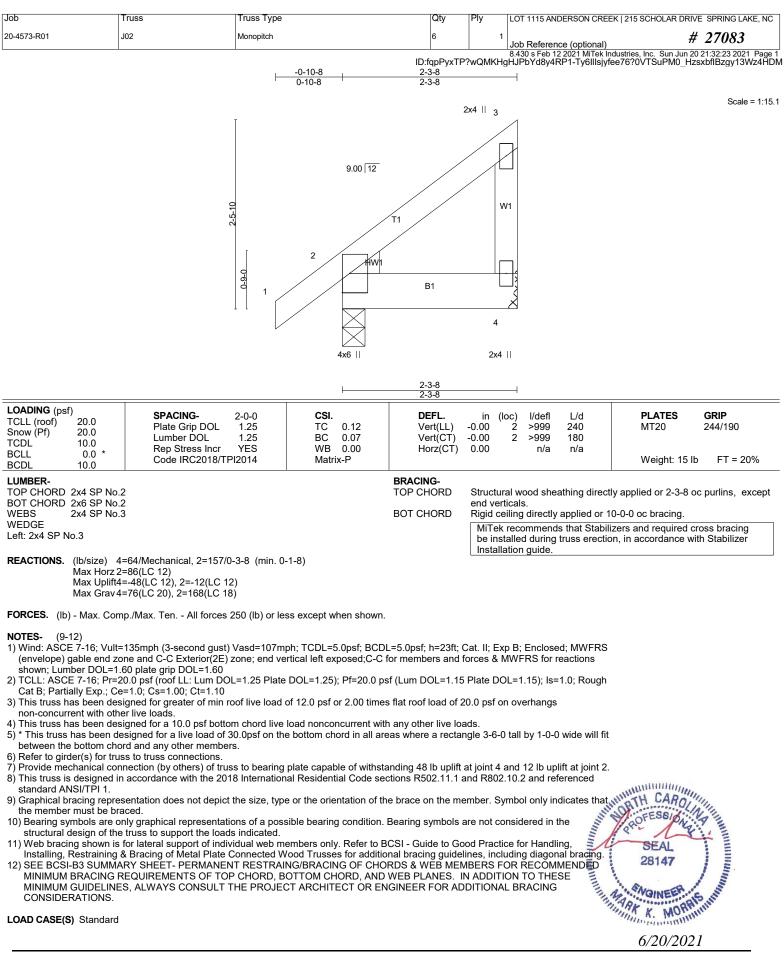
LOAD CASE(S) Standard



Part Control Control </th <th></th> <th>Truss</th> <th>Truss Type Roof Special</th> <th>Qty 3</th> <th>Ply L</th> <th>LOT 1115 ANDERSON CRE</th> <th>EK 215 SCHOLAR DRIVE SPRING LAKE, NC # 27083</th>		Truss	Truss Type Roof Special	Qty 3	Ply L	LOT 1115 ANDERSON CRE	EK 215 SCHOLAR DRIVE SPRING LAKE, NC # 27083
$\frac{1}{240} + \frac{258}{258} + \frac{258}{258} + \frac{259}{259}$ Ext 0 Sole = 14.2 Ext 0 Sole = 14.2 $\frac{1}{900} + \frac{1}{900} + $					KHgHJPbYc	8.430 s Feb 12 2021 MiTek I	ndustries, Inc. Sun Jun 20 21:32:22 2021 Page 1
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$				2-5-8		—	Scale = 1:44.2
Image: Second State Sta				6X10			- 1. 11 .2
Plate Offsets (X,Y)- 3-2-8-0 7-7-0 10-3-0 Plate Offsets (X,Y)- 3-0-2-8,0-3-01 CSI. DEFL. in (loc) //def L/d PLATES GRIP CDL (roof) 20.0 Plate Grip DOL 1.25 BC 0.26 Vert(CT) 0.07 4-6 > 9999 240 MT20 244/190 SCDL 0.0 Rep Stress Incr YES WB 0.06 Horz(CT) 0.15 5 n/a n/a Mitzly 24/190 LUMBER. 0.0 Code IRC2018/TPI2014 Matrix-SH BRACING- TOP CHORD Rigid celling directly applied or 6-0-0 cc purlins. DOT CHORD 2x10 SP No.2 BCT CHORD 2x4 SP No.2 BRACING- TOP CHORD 70C CHORD 3x10 SP No.2 Brace at U(s): 6 Mit for 5 Mit for 6 Mit for 5 Mit for 6 Mit for 5 Mit for 6 Mit fo			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		4	3-2	
LOADING (psf) TCLL (roof) SPACING- 20.0 2-0-0 CSI. DEFL. in (loc) l/deft L/d Now (P) 20.0 Lumber DOL 1.25 BC 0.26 Vert(L) -0.03 4-6 >999 240 Now (P) 0.0 BCDL 0.0 Code IRC2018/TPI2014 Wathix-SH Vert(C) 0.07 4-6 >999 160 BCDL 0.0 Code IRC2018/TPI2014 Matrix-SH Vert(C) 0.07 5 n/a M/a UMBER- Code IRC2018/TPI2014 Matrix-SH BRACING- 0.07 6-0.99 160 Vert(L) 0.03 Structural wood sheathing directly applied or 6-0-0 oc purlins. BOT CHORD 2x4 SP No.2 DOT CHORD 2x4 SP No.3 Structural wood sheathing directly applied or 2-0-0 cc bracing. 18/ac at 1(s): 6 Mite recommends that Stabilizer 18/ac at 1(s): 6 REACTIONS. (lb/size) 1=424/0-3-8 (min. 0-1-8), 5=424/0-3-8 (min. 0-1-8) (min. 0-1-8) (matrix-178(LC 9) (matrix-			2-8-0 5-1-8				
Snow (p) 20.0 Plate Grip DOL 1.25 1C 0.32 Vert(L1) -0.03 4-6 >999 240 M120 244/190 TODL 10.0 Rep Stress Incr YES WB 0.06 Horz(CT) 0.15 5 n/a No Weight: 84 lb FT = 20% LUMBER- TOP CHORD 2x43 SP No.2 BRACING- TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. BOT CHORD 2x4 SP No.2 Structural wood sheathing directly applied or 6-0-0 oc purlins. BOT CHORD 2x44 SP No.2 BTACING- TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. BOT CHORD 2x44 SP No.3 JOINTS JOINTS Ibrace at J(s): 6 Mitek recommends that Stabilizers and required cross bracing. BERACINOS. (lb/size) 1=424/0-3-8 (min. 0-1-8), 5=424/0-3-8 (min. 0-1-8), max Upilt1=-24(LC 3), 5=-54(LC 12) Mitek recommends that Stabilizer Mitek recommends that Stabilizers and required cross bracing. PROCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 1-2=-377/162, 2-3=-367/52, 3-44-28/106, 4-5=-301/106 Mitek recommends that Stabilizer Mitek recommends that Stabilizer NOTES- (9-12) 1) Unbalanced roof live loads have been considered	LOADING (psf)	SPACING-					
BLOL 10.0 10.0 10.0 LUMBER- TOP CHORD 2x4 SP No.2 BRACING- TOP CHORD 2x4 SP No.2 Structural wood sheathing directly applied or 2-0-0 cc bracing. JOINTS IBrace at J(ts): 6 REACTIONS. (Ib/size) 1=424/0-3-8 (min. 0-1-8), 5=424/0-3-8 (min. 0-1-8) Max Horz 1=178(LC 9) Max Uplift1=-54(LC 13), 5=-54(LC 12) MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer FORCES. (Ib) - Max. Comp./Max. Ten All forces 250 (Ib) or less except when shown. TOP CHORD 1:2=-377(162, 2-3=-367/52, 3-4=-426/106, 4-5=-301/106 BOT CHORD 2:-6=-73/427, 4-6=-73/427 MiTek recommends that Stabilizer Installation guide. NOTES. (9-12) 1) Unbalanced roof live loads have been considered for this design. 2) 2) Wind: ASCE 7-16; Vull=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=23f; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.160 plate grip DDL=1.60 3) TCL: ASCE 7-16; VIII=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; Lum DOL=1.15 Plate DOL=1.15; Is=1.0; Rough Cat. B; Partially Exp; C=0.10; Cs=1.100; 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 10.0 psf bottom chord in elad nonconcurrent with any other live loads. 5) * This truss has been designed for a 10.0 psf bottom chord	Snow (Pf) 20.0 TCDL 10.0	Lumber DOL Rep Stress Incr	1.25 BC 0.26 YES WB 0.06	Vert(CT)	-0.07 4-	6 >999 180	
REACTIONS. (Ib/size) 1=424/0-3-8 (min. 0-1-8), 5=424/0-3-8 (min. 0-1-8) Max Horz 1=178(LC 9) Max Uplift1=-54(LC 13), 5=-54(LC 12) be installed during truss erection, in accordance with Stabilizer Installation guide. FORCES. (Ib) - Max. Comp./Max. Ten All forces 250 (Ib) or less except when shown. TOP CHORD 1-2=-377/162, 2-3=-367/52, 3-4=-426/106, 4-5=-301/106 BOT CHORD 2-6=-73/427, 4-6=-73/427 FORCES. NOTES- (9-12) 1) Unbalanced roof live loads have been considered for this design. 2) 2) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 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=1.25); 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; Cc=1.10 4) 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) Bearing at joint(s) 1, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface. 54 This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced	LUMBER- TOP CHORD 2x10 SP No BOT CHORD 2x4 SP No.	2		TOP CHORD BOT CHORD	Rigid ceili	ing directly applied or 2	tly applied or 6-0-0 oc purlins.
 REACTIONS. (Ib/size) 1=424/0-3-8 (min. 0-1-8), 5=424/0-3-8 (min. 0-1-8) Max Horz 1=178(LC 9) Max Uplift1=-54(LC 13), 5=-54(LC 12) FORCES. (Ib) - Max. Comp./Max. Ten All forces 250 (Ib) or less except when shown. TOP CHORD 1-2=-377/162, 2-3=-367/52, 3-4=-426/106, 4-5=-301/106 BOT CHORD 2-6=-73/427, 4-6=-73/427 NOTES- (9-12) 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 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; PT=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); 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 10.0 psf bottom chord live load nonconcurrent with any other live loads. 5)* This truss has been designed for a 10.0 psf 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) Bearing at joint(s) 1, 5 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 54 lb uplift at joint 1 and 54 lb uplift at joint 5. 8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced 					be insta	lled during truss erecti	
 FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 1-2=-377/162, 2-3=-367/52, 3-4=-426/106, 4-5=-301/106 BOT CHORD 2-6=-73/427, 4-6=-73/427 NOTES- (9-12) Unbalanced roof live loads have been considered for this design. Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); 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 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. Bearing at joint(s) 1, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 54 lb uplift at joint 1 and 54 lb uplift at joint 5. This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced 	Max Hórz 1	=178(LC 9)			motanati	ion guido.	
 NOTES- (9-12) 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 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=1.25 Plate DOL=1.25); 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 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) Bearing at joint(s) 1, 5 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 54 lb uplift at joint 1 and 54 lb uplift at joint 5. 8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced 	FORCES. (lb) - Max. Com TOP CHORD 1-2=-377/	p./Max. Ten All forces 2 162, 2-3=-367/52, 3-4=-42	250 (lb) or less except when sho	wn.			
	 Unbalanced roof live loa Wind: ASCE 7-16; Vult= (envelope) gable end zc shown; Lumber DOL=1. TCLL: ASCE 7-16; Pr=2 Cat B; Partially Exp.; Ce This truss has been des * This truss has been des between the bottom cho Bearing at joint(s) 1, 5 c of bearing surface. Provide mechanical con This truss is designed ir 	135mph (3-second gust) ine and C-C Exterior(2E) 60 plate grip DOL=1.60 0.0 psf (roof LL: Lum DO i=1.0; Cs=1.00; Ct=1.10 igned for a 10.0 psf botto esigned for a live load of 3 rd and any other member onsiders parallel to grain nection (by others) of trus a accordance with the 201	Vasd=107mph; TCDL=5.0psf; B zone; end vertical left exposed;C L=1.25 Plate DOL=1.25); Pf=20. m chord live load nonconcurrent 30.0psf on the bottom chord in al 's. value using ANSI/TPI 1 angle to as to bearing plate capable of wit 8 International Residential Code	C-C for members and f 0 psf (Lum DOL=1.15 with any other live loa I areas where a rectar grain formula. Buildin thstanding 54 lb uplift e sections R502.11.1 a	Forces & MV Plate DOL ads. ngle 3-6-0 ta ng designer at joint 1 ar and R802.1	WFRS for reactions .=1.15); ls=1.0; Rough all by 1-0-0 wide will fil r should verify capacity nd 54 lb uplift at joint 5 0.2 and referenced	withorth CARO



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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6/20/2021

lob	Truss	Truss Type	Qty	Ply	LOT 1115 ANDERSON CRE	EK 215 SCHOLAR DRIVE SPRING LAKE, NC
20-4573-R01	J03	Monopitch	4	1	Job Reference (optional)	# 27083
			ID:fqpPyxTP?	wQMKHgH	8.430 s Feb 12 2021 MiTek I	ndustries, Inc. Sun Jun 20 21:32:24 2021 Page zmVlGaD3Bz7yZZ8NNAtK4tLCKhaczz4HI
			10-8 1-3-8 10-8 1-3-8	Ū		
						Scale = 1:22.
		9.00	$2x4 \parallel 4$			
			3x6 ≠ 3			
			2 11			
		9				
		3-11-10	W3			
		-0-0 -0-0	W1 W2			
		1 J				
			5 7 $6x6 = 5$			
			2x4			
			1-3-8 1-3-8			
OADING (psf)	SPACING-	2-0-0 CSI .	DEFL.	in (l	oc) l/defl L/d	PLATES GRIP
CLL (roof) 20.0 now (Pf) 20.0	Plate Grip DOL Lumber DOL	1.25 TC 0.16 1.25 BC 0.16		-0.00 -0.00	Ź >999 240 Z >999 180	MT20 244/190
TCDL 10.0 BCLL 0.0	Ren Stress Incr	YES WB 0.17		-0.00	5 n/a n/a	Weight: 19 lb FT = 20%
<u>3CDL 10.0</u> .UMBER-			BRACING-			
OP CHORD 2x4 SI OT CHORD 2x4 SI			TOP CHORD	Structur end ver		tly applied or 1-3-8 oc purlins, except
VEBS 2x4 SI			BOT CHORD		eiling directly applied or	10-0-0 oc bracing.
						lizers and required cross bracing on, in accordance with Stabilizer
REACTIONS. (Ib/siz	e) 7=134/0-3-8 (min. 0-1-8	s), 5=19/Mechanical		Install	ation guide.	
	orz 7=-92(LC 10) plift7=-63(LC 10), 5=-143(L0	C 9)				
Max C	irav 7=171(LC 18), 5=152(L0	C 1Ó)				
	Comp./Max. Ten All force 377/171	es 250 (lb) or less except when s	hown.			
	182/577					
IOTES- (9-12)						
(envelope) gable e	nd zone and C-C Exterior(2l	st) Vasd=107mph; TCDL=5.0psf E) zone; end vertical left exposed				
) TCLL: ASCE 7-16		OL=1.25 Plate DOL=1.25); Pf=2	20.0 psf (Lum DOL=1.15	5 Plate DC	DL=1.15); ls=1.0; Rough	
) This truss has bee		ט n roof live load of 12.0 psf or 2.00	0 times flat roof load of 2	20.0 psf o	n overhangs	
non-concurrent wit This truss has bee		ttom chord live load nonconcurre	ent with any other live lo	ads.		
* This truce has he	en designed for a live load on n chord and any other member	of 30.0psf on the bottom chord in pers.	all areas where a recta	ngle 3-6-0) tall by 1-0-0 wide will fi	t
	or truss to truss connections	russ to bearing plate capable of t	withstanding 63 lb uplift	at ioint 7	and 143 lb uplift at joint	and the second s
between the bottor	I connection (by others) of t		de sections R502 11 1 :	and R802	10.2 and referenced	ANTH CAROLINI
between the botton	Il connection (by others) of t	018 International Residential Co			. TO.2 and referenced S	A COLLEGE TO TA
between the bottor	I connection (by others) of t led in accordance with the 2 1.	018 International Residential Co	in of the brace on the m	ombor S	mbal any indicator that	Poper Prairy
between the bottor Provide mechanica Drovide mechanica Drovide truss is desig standard ANSI/TP Graphical bracing	Il connection (by others) of t ned in accordance with the 2 1. representation does not dep	018 International Residential Co	n of the brace on the m	ember. Sy	mbol only indicates hat	SEAL E
between the bottor construction of the bottor b) Provide mechanics construction co	Il connection (by others) of t ned in accordance with the 2 1. representation does not dep	018 International Residential Co ict the size, type or the orientatio ations of a possible bearing cond ads indicated.	n of the brace on the m dition. Bearing symbols	ember. Sy are not co	mbol only indicates that	SEAL 28147
between the bottor Provide mechanica Drovide mechanica Drovide truss is desig standard ANSI/TP Graphical bracing	Il connection (by others) of t ned in accordance with the 2 1. representation does not dep	018 International Residential Co ict the size, type or the orientatio ations of a possible bearing cond ads indicated. dividual web members only. Refe e Connected Wood Trusses for a	n of the brace on the m dition. Bearing symbols er to BCSI - Guide to Go additional bracing guide	ember. Sy are not co pod Practi lines, incl	mbol only indicates that onsidered in the ce for Handling, uding diagonal bracing.	SEAL 28147
 between the bottor Refer to girder(s) f Provide mechanica This truss is desig standard ANSI/TP Graphical bracing the member must Bearing symbols structural design Web bracing sho Installing, Restrai SEE BCSI-B3 SU 	al connection (by others) of t need in accordance with the 2 1. representation does not dep be braced. are only graphical represent of the truss to support the lo wn is for lateral support of in ning & Bracing of Metal Plat MMARY SHEET- PERMAN	ads indicated.	er to BCSI - Guide to Go additional bracing guide - CHORDS & WEB MEN	ood Practi lines, incl VBERS F	mbol only indicates that onsidered in the ce for Handling, uding diagonal bracing. OR RECOMMENDED ON TO THESE	SEAL 28147
 between the bottor between the bottor between the girder(s) f Provide mechanica 5. b) This truss is desig standard ANSI/TP c) Graphical bracing c) Bearing symbols structural design c) Web bracing sho installing, Restrai c) SEE BCSI-B3 SL MINIMUM BRAC 	Il connection (by others) of t ned in accordance with the 2 1. representation does not dep be braced. are only graphical represent of the truss to support the lo wn is for lateral support of in ning & Bracing of Metal Plat MMARY SHEET- PERMAN MG REQUIREMENTS OF T LINES, ALWAYS CONSUL	adding of a possible bearing cond ads indicated. dividual web members only. Refe e Connected Wood Trusses for a ENT RESTRAING/BRACING OF	er to BCSI - Guide to Go additional bracing guide F CHORDS & WEB MEN , AND WEB PLANES. 1	ood Practi lines, incl MBERS F IN ADDITI	mbol only indicates that onsidered in the ce for Handling, uding diagonal bracing. OR RECOMMENDED ON TO THESE L BRACING	SEAL 28147 6/20/2021

vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is 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 1115 ANDERSON CRE	EEK 215 SCHOLAR DRIVE SPRING LAKE, M
20-4573-R01	J04	Monopitch Su	pported Gable	1	1	lah Deference (" "	# 27083
						Job Reference (optional) 8.430 s Feb 12 2021 MiTek) # 27003 Industries, Inc. Sun Jun 20 21:32:24 2021 Pa zmVIGaD3Bz7yZZ71NBkK11LCKhaczz4
			0 10 9	ID:fqpPyxTP?v 7-0-0	vQMKHgH.	JPbYd8y4RP1-x9ggyetLjz	zmVlGaD3Bz7yZZ71NBkK11LCKhaczz4
			- <u>0-10-8</u> 0-10-8	7-0-0			
							Scale = 1:
				2x-	4		
		т		2.4	6		
				2x4	P		
			9.00 12	∠ PK			
				2x4			
				4			
			2x4				
		8-3-0	3x6 / 3		wз		
		Ċ		ST3			
		1	1	ST2			
			ST1				
		3-0-0	W1 \ \] [
		۳ ا	W2				
			11 10 3x6 6x6 =	9 8 2x4 2x4	7 2x4		
			5X0 5X0 =		274 11		
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (le	oc) I/defl L/d	PLATES GRIP
TCLL (roof) 20.0 Snow (Pf) 20.0	Plate Grip [OOL 1.25	TC 0.25	Vert(LL)	0.00	1 n/r 180	MT20 244/190
TCDL 10.0	Lumber DO		BC 0.10 WB 0.35	Vert(CT)	0.00	2 n/r 80	
BCLL 0.0 *	Rep Stress Code IRC2	018/TPI2014	Matrix-P	Horz(CT)	-0.00	7 n/a n/a	Weight: 67 lb FT = 20%
BCDL 10.0							
LUMBER- TOP CHORD 2x4 SP No	2			BRACING- TOP CHORD	Structur	al wood sheathing dired	ctly applied or 6-0-0 oc purlins, excer
BOT CHORD 2x4 SP No	.3				end vert	icals.	
WEBS 2x4 SP No OTHERS 2x4 SP No				BOT CHORD		iling directly applied or oc bracing: 10-11.	10-0-0 oc bracing, Except:
OTTIERS 24 OF NO						0	ilizers and required cross bracing
					be inst	alled during truss erect	ion, in accordance with Stabilizer
REACTIONS. All bearing					Installa	ation guide.	
REACTIONS. All bearir (lb) - Max Horz							
Max Uplift	All uplift 100 lb or l			C 10), 10=-457(LC 12			
Max Grav	All reactions 250 lb	or less at joint(s)	/, 8 except 11=493(L	.C 12), 9=283(LC 20)	, 10=347(LC 20)	

- FORCES. (Ib) Max. Comp./Max. Ten. All forces 250 (Ib) or less except when shown.
- TOP CHORD 2-11=-1142/472. 2-3=-402/193. 3-4=-328/141
- BOT CHORD 10-11=-520/184
- 2-10=-421/1187 WFBS

NOTES-(12-15)

- 1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) 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/TPI 1.
- 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); 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.

- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 9) * 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.
 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at the true of 11=211, 10=457.
 11) This truss is designed in accordance with the true of true of the true of t 9)* This truss has been designed to a subset of the procession of the proce

Continuing on Yords 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.

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6/20/2021

Job	Truss	Truss Type	Qty	Ply	LOT 1115 ANDERSON CREEK 215 SCHOLAR DRIVE SPRING LAKE, NC
20-4573-R01	J04	Monopitch Supported Gable	1	1	Job Reference (optional) # 27083
					8.430 s Feb 12 2021 MiTek Industries, Inc. Sun Jun 20 21:32:25 2021 Page 2

ID:fqpPyxTP?wQMKHgHJPbYd8y4RP1-PLD3A_uzUHvMMQ9PduUMUn6InnXz3UGUR_R88Pz4HDK

Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

 Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS

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

LOAD CASE(S) Standard



Job 20-4573-R01	Truss J05	Truss Type Monopitch		Qty 7	Ply		EEK 215 SCHOLAR DRIVE SPRING LAKE, NC # 27083
			ID - <u>0-10-8</u> 0-10-8	:fqpPyxTP?wQMKF 6-11-8 6-11-8	lgHJPbYo	8.430 s Feb 12 2021 MiTek	/ Industries, Inc. Sun Jun 20 21:32:25 2021 Page 1 IMQ9PduUMUn68KnQu3XsUR_R88Pz4HDK
			9.00 12 3x6 = 1 1 7 2x4	2x4	6 5 =		Scale: 1/4"=1'
			ŀ	6-11-8 6-11-8			
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/TF	2-0-0 1.25 1.25 YES Pl2014	CSI. TC 0.86 BC 0.56 WB 0.19 Matrix-P	DEFL. Vert(LL) Vert(CT) Horz(CT)		loc) I/defl L/d 6-7 >718 240 6-7 >359 180 6 n/a n/a	PLATES GRIP MT20 244/190 Weight: 50 lb FT = 20%
Max Hor Max Upl Max Gra FORCES. (Ib) - Max. C TOP CHORD 2-7=-26 BOT CHORD 6-7=-37	lo.2 lo.3 6=279/Mechanical, 7=327, z 7=185(LC 12) ft6=-224(LC 12) v 6=336(LC 20), 7=327(LC 2 omp./Max. Ten All forces i2/0 9/181	2)		BRACING- TOP CHORD BOT CHORD	end ver Rigid c MiTek be ins	rticals. eiling directly applied or < recommends that Stab	ctly applied or 2-2-0 oc purlins, except 9-3-8 oc bracing. illizers and required cross bracing tion, in accordance with Stabilizer
 (envelope) gable end shown; Lumber DOL: 2) TCLL: ASCE 7-16; P Cat B; Partially Exp.; 3) This truss has been on non-concurrent with of 4) This truss has been of 5) * This truss has been of 6) Befer to girder(s) for 	IIt=135mph (3-second gust) zone and C-C Exterior(2E) =1.60 plate grip DOL=1.60 =20.0 psf (roof LL: Lum DO Ce=1.0; Cs=1.00; Ct=1.10 lesigned for greater of min r ther live loads. lesigned for a 10.0 psf botto designed for a live load of 3 shord and any other member russ to truss connections	zone; end verti L=1.25 Plate E oof live load of m chord live lo 30.0psf on the rs.	cal left exposed;C-C 1 DOL=1.25); Pf=20.0 ps 12.0 psf or 2.00 times ad nonconcurrent with bottom chord in all are	for members and f of (Lum DOL=1.15 is flat roof load of 2 in any other live loa eas where a rectar	Plate D Plate D 0.0 psf c ads. ngle 3-6-1	MWFRS for reactions DL=1.15); ls=1.0; Rough on overhangs 0 tall by 1-0-0 wide will f	n Ît
L OAD CASE(S) Standa Warning !—Verify desig	rd In parameters and read notes h	pefore use. This o	design is based only upon	parameters shown, a	nd is for a	n individual building compo	O/2U/2U21

ob	Truss	Truss Type	!	Qty	Ply LC	T 1115 ANDERSON CRE	EEK 215 SCHOLAR DRIVE SPRING LAKE, N
0-4573-R01	J06	HALF HIP		2	2 Ja	b Reference (optional)	# 27083
		L			wQMKHgHJPb	130 s Feb 12 2021 MiTek Yd8y4RP1-tXnRNKub	Industries, Inc. Sun Jun 20 21:32:26 2021 Pag Fa1D_akbBb?b1_eQUBktorMefeAhgrz4F
			<u>1-3-8 1-7-8 3-1-</u> 1-3-8 0-4-0 1-5-			<u>6-11-8</u> 2-1-0	
			2x4				Scale: 1/2"
	1	9.00 12	3				
		3x6 🛷	P				
		2 71					
			>				
	0	1					
	3-11-10 3-9-0		W2 W4 4x12 =				
	3 3	W1	4 2x4 5	4x8 = 6	2x4 7	6x6 = 8	
				T2]
	1-2-0		W3 0			W	1-2-0
				B1			
			40		10	k]
		⊠ ¹⁴ 4x	13 12 $4x8 =$ $4 - 3x4 \parallel$	11 2x4	10 6x8 =	9 3x4	
		4X	+ ``			3x4	
			120 170 21	0 4 40 6		6 44 9	
			1-3-8 1-7-8 3-1- 1-3-8 0-4-0 1-5-			6-11-8 2-1-0	
LOADING (psf) FCLL (roof) 40.	0 1	CING- 2-0-0	CSI.	DEFL.	in (loc)	l/defl L/d	PLATES GRIP
Snow (Pf) 20. TCDL 10.	0 Luml	e Grip DOL 1.00 per DOL 1.00	TC 0.45 BC 0.70	Vert(LL) Vert(CT)	-0.01 11 -0.05 10-11	>999 480 >999 360	MT20 244/190
	.0 * Rep Code	Stress Incr NO e IRC2018/TPI2014	WB 0.75 Matrix-SH	Horz(CT) Wind(LL)	0.01 9 0.01 11	n/a n/a >999 240	Weight: 103 lb FT = 20%
LUMBER-				BRACING-			
TOP CHORD 2x4				TOP CHORD	Structural v end vertica		ctly applied or 6-0-0 oc purlins, except
WEBS 2x4	SP No.3 *Except* 2x4 SP No.2, W5: 2			BOT CHORD		g directly applied or	10-0-0 oc bracing.
Max	Horz 14=-178(LC 1		1111. 0-1-6)				
	c Grav 9=2184(LC 3	,, ()					
		All forces 250 (lb) or le 9/0, 5-15=-2697/0, 6-15=			1636/0, 2-14=	-286/117	
BOT CHORD 13-	-14=0/2210, 12-13=	0/2697, 11-12=0/4196, 1 32/0, 7-10=-655/0, 8-10=	0-11=0/4196, 9-10=0/3	388			
	11-0/07 1, 0-1010	52/0, 7-10-000/0, 0-10-	0/0140, 0-12-1001/0,	- 1- 2000/0, 2 -	100/400		
		with 10d (0.131"x3") nai	s as follows:				
		4 - 1 row at 0-9-0 oc. 2x6 - 2 rows staggered	at 0-9-0 oc.				
		row at 0-9-0 oc, 2x8 - 2 r lied to all plies, except if			LOAD CASE(S) section. Ply to ply	,
		distribute only loads note on considered for this des		otherwise indicated	i.	, , , , , ,	
4) Wind: ASCE 7-1	6; Vult=135mph (3-	second gust) Vasd=107r ical left exposed; Lumbe	nph; TCDL=5.0psf; BC		Cat. II; Exp B	; Enclosed; MWFRS	5
5) C-C wind load us	ser defined.	•					
Cot P: Portially E	$x_{n} \cdot C_{n-1} \cdot C_{n-1}$	[:] LL: Lum DOL=1.00 Plat 00; Ct=1.10				,	
7) This truce has he	een designed for gre vith other live loads	eater of min roof live load	of 12.0 psf or 2.00 tim	nes flat roof load of :	20.0 psf on o	verhangs	INNER CARCULA
non-concurrent v	e drainage to preve	nt water ponding.	load nonconcurrent v	vith any other live lo	aha	11	FESSIA
non-concurrent v non-concurrent v 3) Provide adequat		a live load of 30.0psf on	the bottom chord in all	l areas where a rect	tangle 3-6-0 t	all by 1-0-0 wide will	OPL AND IN
 a) Provide adequate b) Provide adequate c) This truss has been addressed at the second second	been designed for	ny other members.					SEAL
 a) This truss has been non-concurrent v b) Provide adequate c) This truss has been the c) * This truss has fit between the c) Refer to girder(s) 	been designed for bottom chord and a s) for truss to truss	ny other members. connections.					00447
 7) This truss has be non-concurrent v 8) Provide adequat 9) This truss has be 10) * This truss has fit between the 11) Refer to girder(: 12) This truss is de standard ANSI/ 	been designed for bottom chord and a s) for truss to truss signed in accordance TPI 1.	ny other members. connections. ce with the 2018 Internati	onal Residential Code	sections R502.11.	1 and R802.1	0.2 and referenced	28147
13) Load case(s) 1,	, 2, 3, 4, 5, 6, 7, 8, 9	, 10, 11, 12, 13, 14, 15, ⁻	16, 17, 18, 19, 20, 21,	22, 23, 24, 25, 26, 2	27, 28, 29, 30	0.2 and referenced , 31, 32, 33, 34 this truss	28147
13) Load case(s) 1,	, 2, 3, 4, 5, 6, 7, 8, 9	ny other members. connections. ce with the 2018 Internati 1, 10, 11, 12, 13, 14, 15, lesigner must review load	16, 17, 18, 19, 20, 21,	22, 23, 24, 25, 26, 2	27, 28, 29, 30	0.2 and referenced , 31, 32, 33, 34 this truss.	28147
13) Load case(s) 1,	, 2, 3, 4, 5, 6, 7, 8, 9	, 10, 11, 12, 13, 14, 15, ⁻	16, 17, 18, 19, 20, 21,	22, 23, 24, 25, 26, 2	27, 28, 29, 30	0.2 and referen d , 31, 32, 33, 34 this truss.	SEAL 28147 6/20/2021

Job	Truss	Truss Type	Qty	Ply	LOT 1115 ANDERSON CREEK 215 SCHOLAR DRIVE SPRING LAKE, NC
20-4573-R01	J06	HALF HIP	2	2	Job Reference (optional) # 27083
				_	Job Relefence (optional)

8.430 s Feb 12 2021 MiTek Industries, Inc. Sun Jun 20 21:32:26 2021 Page 2 ID:fqpPyxTP?wQMKHgHJPbYd8y4RP1-tXnRNKubFa1D_akbBb?b1_eQUBktorMefeAhgrz4HDJ

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

 16) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 17) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS

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

LOAD CASE(S) 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-2=-60, 2-3=-60, 4-5=-60, 5-8=-355, 12-14=-20, 9-12=-270(F=-250) Concentrated Loads (lb) Vert: 5=-293 2) Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 1-2=-100, 2-3=-100, 4-5=-100, 5-8=-395, 12-14=-20, 9-12=-270(F=-250) Concentrated Loads (lb) Vert: 5=-293 3) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 1-2=-80, 2-3=-80, 4-5=-80, 5-8=-375, 12-14=-20, 9-12=-270(F=-250) Concentrated Loads (lb) Vert: 5=-293 4) Dead + 0.75 Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-2=-50, 2-3=-50, 4-5=-50, 5-8=-345, 12-14=-20, 9-12=-270(F=-250) Concentrated Loads (lb) Vert: 5=-293 5) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf) Vert: 1-2-20, 2-3-20, 4-5-20, 5-8-315, 12-14-40, 9-12-290(F-250) Concentrated Loads (lb) Vert: 5=-293 6) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=60, 2-3=41, 4-5=34, 5-15=-261, 8-15=-254, 12-14=-10, 9-12=-260(F=-250) Horz: 1-2=-70, 2-3=-51, 3-4=-49, 4-5=-44, 2-14=-38 Concentrated Loads (lb) Vert: 5=-293 7) Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-2, 2-3=-43, 4-5=-43, 5-8=-338, 12-14=-20, 9-12=-270(F=-250) Horz: 1-2=-18, 2-3=23, 3-4=29, 4-5=23, 2-14=35 Concentrated Loads (lb) Vert: 5=-293 8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=0, 2-3=-13, 4-5=12, 5-8=-283, 12-14=-10, 9-12=-260(F=-250) Horz: 1-2=-10, 2-3=3, 3-4=10, 4-5=-22, 2-14=16 Concentrated Loads (lb) Vert: 5=-293 9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=6, 2-3=12, 4-5=29, 5-8=-266, 12-14=-10, 9-12=-260(F=-250) Horz: 1-2=-16, 2-3=-22, 3-4=-26, 4-5=-39, 2-14=-20 Concentrated Loads (lb) Vert: 5=-293 10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-28, 2-3=-34, 4-5=-9, 5-8=-304, 12-14=-20, 9-12=-270(F=-250) Horz: 1-2=8, 2-3=14, 3-4=32, 4-5=-11, 2-14=27 Concentrated Loads (lb) Vert: 5=-293 11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-4, 2-3=-9, 4-5=8, 5-8=-287, 12-14=-20, 9-12=-270(F=-250) Horz: 1-2=-16, 2-3=-11, 3-4=-4, 4-5=-28, 2-14=-9 Concentrated Loads (lb) Vert: 5=-293 12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=23, 2-3=29, 4-5=12, 5-8=-283, 12-14=-10, 9-12=-260(F=-250) Horz: 1-2=-33, 2-3=-39, 3-4=-44, 4-5=-22, 2-14=13 Concentrated Loads (lb) Vert: 5=-293 13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60

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Job	Truss	Truss Type	Qty	Ply	LOT 1115 ANDERSON CREEK 215 SCHOLA	R DRIVE SPRING LAKE, NC
20-4573-R01	J06	HALF HIP	2	2	Job Reference (optional)	# 27083

8.430 s Feb 12 2021 MiTek Industries, Inc. Sun Jun 20 21:32:26 2021 Page 3 ID:fqpPyxTP?wQMKHgHJPbYd8y4RP1-tXnRNKubFa1D_akbBb?b1_eQUBktorMefeAhgrz4HDJ

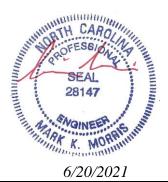
6/20/2021

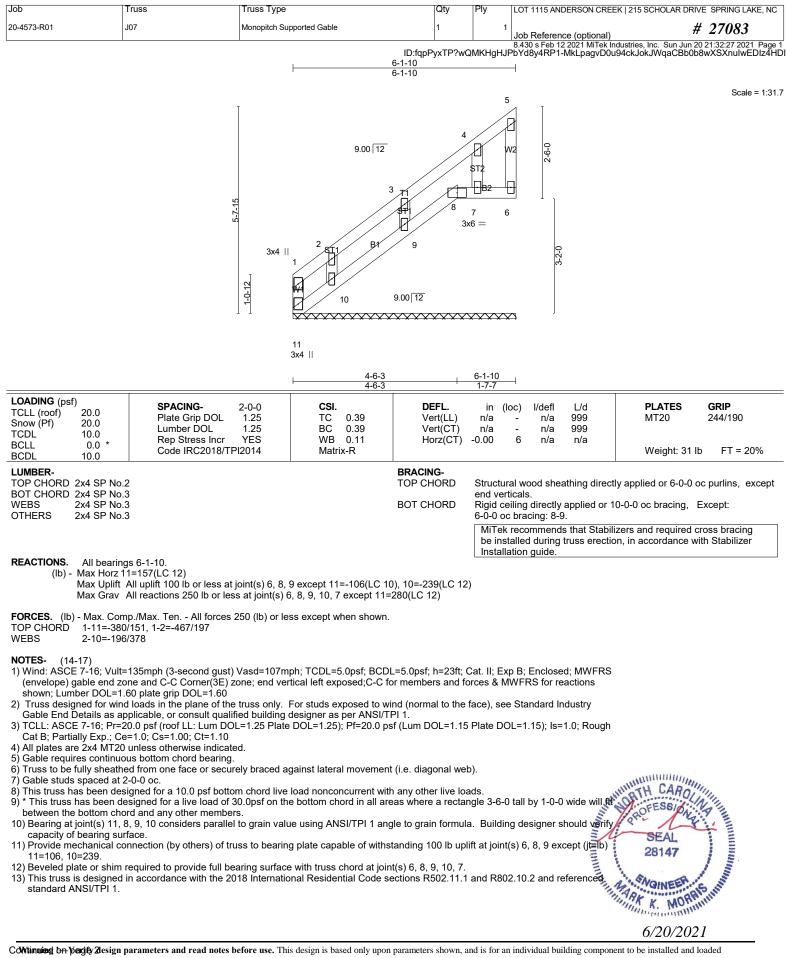
LOAD CASE(S)	
Uniform Loads (plf)	
Vert: 1-2=6, 2-3=12, 4-5=29, 5-8=-266, 12-14=-10, 9-12=-260(F=-250)	
Horz: 1-2=-16, 2-3=-22, 3-4=-28, 4-5=-39, 2-14=-19 Concentrated Loads (lb)	
Vert: 5=-293	
14) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60	
Uniform Loads (plf)	
Vert: 1-2=23, 2-3=29, 4-5=12, 5-8=-283, 12-14=-10, 9-12=-260(F=-250) Horz: 1-2=-33, 2-3=-39, 3-4=-44, 4-5=-22, 2-14=13	
Concentrated Loads (Ib)	
Vert: 5=-293	
15) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60	
Uniform Loads (plf) Vert: 1-2=6, 2-3=12, 4-5=29, 5-8=-266, 12-14=-10, 9-12=-260(F=-250)	
Horz: 1-2=-16, 2-3=-22, 3-4=-28, 4-5=-39, 2-14=-19	
Concentrated Loads (lb)	
Vert: 5=-293	
 Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) 	
Vert: 1-2=13, 2-3=8, 4-5=-9, 5-8=-304, 12-14=-20, 9-12=-270(F=-250)	
Horz: 1-2=-33, 2-3=-28, 3-4=-22, 4-5=-11, 2-14=24	
Concentrated Loads (lb)	
Vert: 5=-293 17) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60	
Uniform Loads (plf)	
Vert: 1-2=-4, 2-3=-9, 4-5=8, 5-8=-287, 12-14=-20, 9-12=-270(F=-250)	
Horz: 1-2=-16, 2-3=-11, 3-4=-5, 4-5=-28, 2-14=-8	
Concentrated Loads (lb) Vert: 5=-293	
18) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15	
Uniform Loads (plf)	
Vert: 1-2=-100, 2-3=-20, 4-5=-20, 5-8=-315, 12-14=-20, 9-12=-270(F=-250)	
Concentrated Loads (lb) Vert: 5=-293	
19) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90	
Uniform Loads (plf)	
Vert: 1-2=-20, 2-3=-20, 4-5=-20, 5-8=-315, 12-14=-20, 9-12=-270(F=-250) Concentrated Loads (lb)	
Vert: 5=-293	
20) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60	
Uniform Loads (pif)	
Vert: 1-2=-56, 2-3=-60, 4-5=-42, 5-8=-337, 12-14=-20, 9-12=-270(F=-250) Horz: 1-2=6, 2-3=10, 3-4=24, 4-5=-8, 2-14=20	
Concentrated Loads (lb)	
Vert: 5=-293	
21) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf)	
Vert: 1-2=-38, 2-3=-42, 4-5=-29, 5-8=-324, 12-14=-20, 9-12=-270(F=-250)	
Horz: 1-2=-12, 2-3=-8, 3-4=-3, 4-5=-21, 2-14=-7	
Concentrated Loads (lb)	
Vert: 5=-293 22) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60	
Uniform Loads (plf)	
Vert: 1-2=-25, 2-3=-29, 4-5=-42, 5-8=-337, 12-14=-20, 9-12=-270(F=-250)	
Horz: 1-2=-25, 2-3=-21, 3-4=-16, 4-5=-8, 2-14=18 Concentrated Loads (lb)	
Vert: 5=-293	
23) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60	
Uniform Loads (plf)	
Vert: 1-2=-38, 2-3=-42, 4-5=-29, 5-8=-324, 12-14=-20, 9-12=-270(F=-250) Horz: 1-2=-12, 2-3=-8, 3-4=-4, 4-5=-21, 2-14=-6	
Concentrated Loads (lb)	
Vert: 5=-293	
24) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf)	ANNIHI HILIAN
Vert: 1-2=-86, 2-3=-90, 4-5=-72, 5-8=-367, 12-14=-20, 9-12=-270(F=-250)	WINDTH CARO
Horz: 1-2=6, 2-3=10, 3-4=24, 4-5=-8, 2-14=20	STESSIG V
Concentrated Loads (lb)	ALL AND THE
Vert: 5=-293 25) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60	E SEAL
Uniform Loads (plf)	28147
Vert: 1-2=-68, 2-3=-72, 4-5=-59, 5-8=-354, 12-14=-20, 9-12=-270(F=-250)	
Horz: 1-2=-12, 2-3=-8, 3-4=-3, 4-5=-21, 2-14=-7 Concentrated Loads (lb)	1 10 0/1
Vert: 5=-293	VOINEE
26) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60	SEAL 28147
	all the the the state of the st

Job	Truss	Truss Type	Qty	Ply	LOT 1115 ANDERSON CREEK 215 SCHOLAR D	RIVE SPRING LAKE, NC
20-4573-R01	J06	HALF HIP	2	2	Job Reference (optional)	# 27083

8.430 s Feb 12 2021 MITek Industries, Inc. Sun Jun 20 21:32:26 2021 Page 4 ID:fqpPyxTP?wQMKHgHJPbYd8y4RP1-tXnRNKubFa1D_akbBb?b1_eQUBktorMefeAhgrz4HDJ

LOAD CASE(S)	
Uniform Loads (plf)	
Vert: 1-2=-55, 2-3=-59, 4-5=-72, 5-8=-367, 12-14=-20, 9-12=-270(F=-250)	
Horz: 1-2=-25, 2-3=-21, 3-4=-16, 4-5=-8, 2-14=18	
Concentrated Loads (lb)	
Vert: 5=-293	
27) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumb	per Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)	
Vert: 1-2=-68, 2-3=-72, 4-5=-59, 5-8=-354, 12-14=-20, 9-12=-270(F=-250)	
Horz: 1-2=-12, 2-3=-8, 3-4=-4, 4-5=-21, 2-14=-6	
Concentrated Loads (lb)	
Vert: 5=-293	
28) Dead + Minimum Snow: Lumber Increase=1.15, Plate Increase=1.15	
Uniform Loads (plf)	
Vert: 1-2=-20, 2-3=-20, 4-5=-60, 5-8=-355, 12-14=-20, 9-12=-270(F=-250)	
Concentrated Loads (Ib)	
Vert: 5=-293	
29) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60	
Vert: 1-2=6, 2-3=-26, 4-5=-26, 5-8=-321, 12-14=-10, 9-12=-260(F=-250)	
Horz: 1-2=-16, 2-3=16, 3-4=16, 4-5=16, 2-14=16 Concentrated Loads (lb)	
Vert: 5=-293	
30) Dead + 0.6 C-C Wind Min. Upward: Lumber Increase=1.60, Plate Increase=1.60	
Uniform Loads (plf)	
Vert: 1-2=6, 2-3=6, 4-5=6, 5-8=-289, 12-14=-10, 9-12=-260(F=-250)	
Horz: 1-2=-16, 2-3=-16, 3-4=-16, 4-5=-16, 2-14=-16	
Concentrated Loads (lb)	
Vert: 5=-293	
31) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00	
Uniform Loads (plf)	
Vert: 1-2=-100, 2-3=-100, 4-5=-20, 5-8=-315, 12-14=-20, 9-12=-270(F=-250))
Concentrated Loads (lb)	
Vert: 5=-293	
32) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00	
Uniform Loads (plf)	
Vert: 1-2=-20, 2-3=-20, 4-5=-100, 5-8=-395, 12-14=-20, 9-12=-270(F=-250)	
Concentrated Loads (lb)	
Vert: 5=-293	
33) 3rd Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.0	00
Uniform Loads (plf)	
Vert: 1-2=-80, 2-3=-80, 4-5=-20, 5-8=-315, 12-14=-20, 9-12=-270(F=-250)	
Concentrated Loads (lb)	
Vert: 5=-293	20
34) 4th Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.0	JU
Uniform Loads (plf) Vert: 1-2=-20, 2-3=-20, 4-5=-80, 5-8=-375, 12-14=-20, 9-12=-270(F=-250)	
Vert: 1-2=-20, 2-3=-20, 4-5=-80, 5-8=-375, 12-14=-20, 9-12=-270(F=-250) Concentrated Loads (lb)	
CONCENTRATED LOADS (ID)	
Vert: 5=-293	





Job	Truss	Truss Type	Qty	Ply	LOT 1115 ANDERSON CREEK 215 SCHOLAR DRIVE SPRING LAKE, NC
20-4573-R01	J07	Monopitch Supported Gable	1	1	Job Reference (optional) # 27083
					8.430 s Feb 12 2021 MiTek Industries, Inc. Sun Jun 20 21:32:28 2021 Page 2

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

 16) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 17) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS

OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



Job	Truss	Truss Type		Qty	Ply	LOT 1115 AN	DERSON CREI	EK 215 SCHOLAR DRIVE SPRING LAKE, NC
20-4573-R01	J08	Jack-Partial		5			nce (optional)	# 27083
		L				8.430 s Feb 1	2 2021 MiTek Ir	ndustries, Inc. Sun Jun 20 21:32:28 2021 Page * nCHxDtu_I0136PkgI_XWGvCx7yfolkz4HD
			2-4-13 2-4-13	4-6-3 5-2-2 6 2-1-5 0-8-0 0				
					3			Scale = 1:33.
			9.00 12	2x4 2		2-5-15		
		5-7-15	X		4		Ī	
		5-7	W2	5 5x5 =	:	5-2-7		
		4x6 🛷	B				3-2-0	
							ę	
		1-0-12	9.0	0 12				
						1	l	
		6						
		2x4	П					
		L	4-6-3	6-1-				
LOADING (psf)			4-6-3	1-7				
TCLL (roof) 20. Snow (Pf) 20.	Plate Grip	DOL 1.25	CSI. TC 0.81	DEFL. Vert(LL)	in (0.21	5 >344	L/d 240	PLATES GRIP MT20 244/190
TCDL 10. BCLL 0.) Lumber DC Rep Stress	Incr YES	BC 0.24 WB 0.09	Vert(CT) Horz(CT)	-0.22 0.16	5 >321 4 n/a	180 n/a	
BCDL 10.		2018/TPI2014	Matrix-P					Weight: 33 lb FT = 20%
LUMBER- TOP CHORD 2x4 \$				BRACING- TOP CHORD			athing direct	ly applied or 6-0-0 oc purlins, except
BOT CHORD 2x4 \$ WEBS 2x4 \$	P No.2 P No.3			BOT CHORD	end ve Rigid c		applied or 1	0-0-0 oc bracing.
								izers and required cross bracing on, in accordance with Stabilizer
REACTIONS. (Ib/s	ze) 6=237/0-3-8 (min.	0-1-8), 3=221/Mechai	nical, 4=16/Mechanica	al	Instal	lation guide.		
	Horz 6=160(LC 12) Uplift3=-153(LC 12)							
	Grav 6=237(LC 1), 3=24	9(LC 19), 4=31(LC 5)						
	x. Comp./Max. Ten All 332/178	forces 250 (lb) or less	except when shown.					
WEBS 1-5	-128/289							
NOTES- (9-12) 1) Wind: ASCE 7-10	; Vult=135mph (3-secon	d gust) Vasd=107mpl	n; TCDL=5.0psf; BCD	L=5.0psf; h=23ft; 0	Cat. II; E	xp B; Enclos	ed; MWFRS	
	end zone and C-C Exter OL=1.60 plate grip DOL		ical left exposed;C-C	for members and f	orces &	MWFRS for	reactions	
	6; Pr=20.0 psf (roof LL: L kp.; Ce=1.0; Cs=1.00; Ct		OOL=1.25); Pf=20.0 ps	sf (Lum DOL=1.15	Plate D	OL=1.15); ls:	=1.0; Rough	
4) * This truss has t	en designed for a 10.0 p een designed for a live l	oad of 30.0psf on the				0 tall by 1-0-) wide will fit	
5) Refer to girder(s)	om chord and any other r for truss to truss connec	ctions.						
· · · · · · · ·	6 considers parallel to g		0 0	0	•			
7) Provide mechani 3) This truss is desi	cal connection (by others gned in accordance with Pl 1. representation does not be braced. are only graphical repre- of the truss to support t) of truss to bearing p the 2018 Internationa	late capable of withsta Residential Code se	anding 100 lb uplifi ctions R502.11.1 a	t at joint(and R802	s) except (jt= 2.10.2 and re	lb) 3=153. ferenced	MUMATH CARO
standard ANSI/T 9) Graphical bracing	김 1. Frepresentation does not	depict the size, type	or the orientation of th	ne brace on the me	mber. S	ymbol only ir	dicates that	ROFESSION
the member mus 10) Bearing symbol	be braced. are only graphical repre	esentations of a possil	ble bearing condition.	Bearing symbols a	are not c	onsidered in	the	SEAL
structural design 11) Web bracing sh	of the truss to support	he loads indicated. of individual web mer	mbers only. Refer to B	CSI - Guide to Go	od Pract	ice for Hand	ing,	28147
Installing, Restr 12) SEE BCSI-B3 S	aining & Bracing of Metal UMMARY SHEET- PER	Plate Connected Wo	od Trusses for additic G/BRACING OF CHO	onal bracing guidel	ines, inc 1BERS F	luding diago	nal bracing. MENDED	Now R L
MINIMUM BRA	CING REQUIREMENTS (ELINES, ALWAYS CON	OF TOP CHORD, BO SULT THE PROJEC ⁻	TTOM CHORD, AND ARCHITECT OR EN	WEB PLANES. IN IGINEER FOR AD	N ADDIT DITION/	ION TO THE	SE M	TAK K MORALIN
CONSIDERATI	DNS.							SEAL 28147 6/20/2021 ent to be installed and loaded Bracing shown is for lateral support
LOAD CASE(S) Sta	ndard							6/20/2021

Job	Truss	Truss Type	Qty	Ply LOT 1115 ANDERSON (CREEK 215 SCHOLAR DRIVE SPRING LAKE, NC
20-4573-R01	J08A	Jack-Partial Girder	2	1 Job Reference (optior	# 27083
	1	0.4.40		8.430 s Feb 12 2021 MiT QMKHgHJPbYd8y4RP1-I6TZ?Lx	ek Industries, Inc. Sun Jun 20 21:32:29 2021 Page 1 UYVPor1TAskYIfdGoHOsM?Jf4LcPLHAz4HDG
		<u>2-4-13</u> 2-4-13	4-6-3 5-2-2 6 2-1-5 0-8-0 0)-11-8	
				3 _	Scale = 1:33.3
			2x4		
		9.00 12	2	15	
				5-5-15	
		<i>,</i>	в	2 1	
	u 1 1		5 545 -		
	L.		5x5 =	2-2-1	
		4x6 // B1		3-2-0	
				l n	
		9.0	0 12		
		6			
		2x4			
		4-6-3	6-1-	10	
		4-6-3	1-7		
LOADING (psf) TCLL (roof) 20.0	SPACING- Plate Grip DOL	2-0-0 CSI. 1.25 TC 0.99	DEFL. Vert(LL)	in (loc) l/defl L/d 0.16 5 >443 240	PLATES GRIP MT20 244/190
Snow (Pf) 20.0 TCDL 10.0	Lumber DOL Rep Stress Incr	1.25 BC 0.27 NO WB 0.26	Vert(CT) Horz(CT)	-0.37 5 >194 180 0.27 4 n/a n/a	
BCLL 0.0 * BCDL 10.0	Code IRC2018/TF		1012(01)	0.27 4 II/a II/a	Weight: 33 lb FT = 20%
LUMBER-			BRACING-		
TOP CHORD 2x4 SP SS BOT CHORD 2x4 SP No	o.2		TOP CHORD	end verticals.	rectly applied or 3-1-0 oc purlins, except
WEBS 2x4 SP No	0.3		BOT CHORD	Rigid ceiling directly applied MiTek recommends that St	or 10-0-0 oc bracing. abilizers and required cross bracing
					ection, in accordance with Stabilizer
	6=342/0-3-8 (min. 0-1-8), 6=160(LC 10)	3=516/Mechanical, 4=16/Mechanica	I	galaci	
	6=342(LC 1), 3=544(LC 1)	7), 4=31(LC 5)			
		250 (lb) or less except when shown.			
	5/5, 1-2=-276/0, 2-3=0/322 54, 2-5=0/565				
NOTES- (11-14)					20
(envelope) gable end z	zone; end vertical left expo	Vasd=107mph; TCDL=5.0psf; BCDl sed; Lumber DOL=1.60 plate grip DO	DL=1.60	· · · ·	
Cat B; Partially Exp.; C	Ce=1.0; Cs=1.00; Ct=1.10	L=1.25 Plate DOL=1.25); Pf=20.0 ps			igh
4) * This truss has been o	designed for a live load of 3	m chord live load nonconcurrent with 30.0psf on the bottom chord in all are			ll fit
	ord and any other member russ to truss connections.	Ϋ́S.			
 Bearing at joint(s) 6 co bearing surface. 	nsiders parallel to grain va	lue using ANSI/TPI 1 angle to grain	formula. Building		
	in accordance with the 201	8 International Residential Code sec	ctions R502.11.1 a	nd R802.10.2 and referenced	
8) Load case(s) 1, 2, 3, 4		3, 14, 15, 16, 17, 18, 19, 20, 21, 22, modified. Building designer must re		28, 29, 30, 31, 32, 33, 34, 35 without they are correct for the	SEAL
intended use of this tru	ISS.	nrouided sufficient to support concer		In down at 4.6.2 on bottom	STESSIG North
chord. The design/sel	ection of such connection (provided sufficient to support concer device(s) is the responsibility of othe the face of the truss are noted as fro at the size, type or the orientation of t ons of a possible bearing condition. s indicated.	rs.	nd down at 4-0-3 on bollon	april Maria
10) In the LOAD CASE(S 11) Graphical bracing rep	b) section, loads applied to presentation does not depic	the face of the truss are noted as fro to the size, type or the orientation of t	he brace on the m	ember. Symbol only indicates	28147
that the member mus 12) Bearing symbols are	it be braced. only graphical representati	ons of a possible bearing condition.	Bearing symbols a	are not considered in the	
structural design of th 13) Web bracing shown i	ne truss to support the load s for lateral support of indiv	s indicated. /idual web members only. Refer to B	CSI - Guide to Go	od Practice for Handling,	A NOINEER S
installing, Restraining	a Bracing of Metal Plate	Connected Wood Trusses for additio	nai bracing guidei	ines, including diagonal bracir	D. Mark K. MOREMUN
MINIMUM BRACING	REQUIREMENTS OF TO	P CHORD, BOTTOM CHORD, AND THE PROJECT ARCHITECT OR EN	WEB PLANES. I	NADDITION TO THESE	SEAL 28147 6/20/2021
		pefore use. This design is based only upon			aponent to be installed and loaded
vertically. Applicability of	design parameters and proper i	ncorporation of component is responsibility acing to ensure stability during construction	y of building designer	- not truss designer or truss engine	eer. Bracing shown is for lateral support
		ce regarding fabrication, quality control, st		-	-

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.

20-4573-R01 J08A Jack-Partial Girder 2 1 # 270.83	Job	Truss	Truss Type	Qty	Ply	LOT 1115 ANDERSON CREEK 215 SCHOLA	R DRIVE SPRING LAKE, NC
Job Reference (optional) $\pi 27003$	20-4573-R01	J08A	Jack-Partial Girder	2	1	Job Reference (optional)	# 27083

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	ID:fqpPyxTP?wQM
LOAD CASE(S) Standard	
 Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) 	
Vert: 1-3=-60, 5-6=-20, 4-5=-20	
Concentrated Loads (lb) Vert: 5=-400(B)	
2) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25	
Uniform Loads (plf)	
Vert: 1-3=-60, 5-6=-20, 4-5=-20 Concentrated Loads (lb)	
Vert: 5=-400(B)	
 Dead + 0.75 Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf) 	
Vert: 1-3=-50, 5-6=-20, 4-5=-20	
Concentrated Loads (lb) Vert: 5=-400(B)	
4) Dead + 0.75 Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15	
Uniform Loads (plf) Vert: 1-3=-50, 5-6=-20, 4-5=-20	
Concentrated Loads (Ib)	
Vert: 5=-400(B)	25
 Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1. Uniform Loads (plf) 	.25
Vert: 1-3=-20, 5-6=-40, 4-5=-40	
Concentrated Loads (lb) Vert: 5=-400(B)	
6) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=	1.60
Uniform Loads (plf) Vert: 1-3=-13, 5-6=-10, 4-5=-10	
Horz: 1-6=16, 1-3=3	
Concentrated Loads (lb)	
Vert: 5=-400(B) 7) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase	=1.60
Uniform Loads (plf)	
Vert: 1-3=12, 5-6=-10, 4-5=-10 Horz: 1-6=-20, 1-3=-22	
Concentrated Loads (lb)	
Vert: 5=-400(B) 8) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=	1 60
Uniform Loads (plf)	
Vert: 1-3=-34, 5-6=-20, 4-5=-20 Horz: 1-6=27, 1-3=14	
Concentrated Loads (lb)	
Vert: 5=-400(B)	-1.60
 Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase Uniform Loads (plf) 	- 1.00
Vert: 1-Ӟ=-9, 5-6=-20, 4-5=-20	
Horz: 1-6=-9, 1-3=-11 Concentrated Loads (lb)	
Vert: 5=-400(B)	
 Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate In Uniform Loads (plf) 	crease=1.60
Vert: 1-Ӟ=2́9, 5-6=-10, 4-5=-10	
Horz: 1-6=13, 1-3=-39 Concentrated Loads (lb)	
Vert: 5=-400(B)	
11) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate I Uniform Loads (plf)	ncrease=1.60
Vert: 1-3=12, 5-6=-10, 4-5=-10	
Horz: 1-6=-19, 1-3=-22	
Concentrated Loads (lb) Vert: 5=-400(B)	
12) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Ir	ncrease=1.60
Uniform Loads (plf) Vert: 1-3=29, 5-6=-10, 4-5=-10	
Horz: 1-6=13, 1-3=-39	
Concentrated Loads (lb) Vert: 5=-400(B)	
13) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Ir	crease=1.60
Uniform Loads (plf)	
Vert: 1-3=12, 5-6=-10, 4-5=-10 Horz: 1-6=-19, 1-3=-22	
Concentrated Loads (lb)	
Vert: 5=-400(B) 14) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Ir	ncrease=1.60
Uniform Loads (plf)	1010000-1.00
Vert: 1-3=8, 5-6=-20, 4-5=-20 Horz: 1-6=24, 1-3=-28	
Horz: 1-6=24, 1-3=-28	



Job	Truss	Truss Type	Qty	Ply	LOT 1115 ANDERSON CREEK 215 SCHOLAR DRIVE SPRING LAKE	, NC
20-4573-R01	J08A	Jack-Partial Girder	2	1	Job Reference (optional) # 27083	

8.430 s Feb 12 2021 MiTek Industries, Inc. Sun Jun 20 21:32:29 2021 Page 3 ID:fqpPyxTP?wQMKHgHJPbYd8y4RP1-I6TZ?LxUYVPor1TAskYIfdGoHOsM?Jf4LcPLHAz4HDG

LOAD CASE(S) Standard Concentrated Loads (lb) Vert: 5=-400(B) 15) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-3=-9, 5-6=-20, 4-5=-20 Horz: 1-6=-8, 1-3=-11 Concentrated Loads (lb) Vert: 5=-400(B) 16) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90 Uniform Loads (plf) Vert: 1-3=-20, 5-6=-20, 4-5=-20 Concentrated Loads (Ib) Vert: 5=-400(B) 17) Dead + 0.75 Snow (ba.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-3=-60, 5-6=-20, 4-5=-20 Horz: 1-6=20, 1-3=10 Concentrated Loads (lb) Vert: 5=-400(B) 18) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-3=-42, 5-6=-20, 4-5=-20 Horz: 1-6=-7, 1-3=-8 Concentrated Loads (lb) Vert: 5=-400(B) 19) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-3=-29, 5-6=-20, 4-5=-20 Horz: 1-6=18, 1-3=-21 Concentrated Loads (lb) Vert: 5=-400(B) 20) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-3=-42, 5-6=-20, 4-5=-20 Horz: 1-6=-6, 1-3=-8 Concentrated Loads (Ib) Vert: 5=-400(B) 21) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-3=-60, 5-6=-20, 4-5=-20 Horz: 1-6=20, 1-3=10 Concentrated Loads (lb) Vert: 5=-400(B) 22) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-3=-42, 5-6=-20, 4-5=-20 Horz: 1-6=-7, 1-3=-8 Concentrated Loads (lb) Vert: 5=-400(B) 23) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-3=-29, 5-6=-20, 4-5=-20 Horz: 1-6=18, 1-3=-21 Concentrated Loads (lb) Vert: 5=-400(B) 24) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-3=-42, 5-6=-20, 4-5=-20 Horz: 1-6=-6, 1-3=-8 Concentrated Loads (lb) Vert: 5=-400(B) 25) Dead + 0.6 MWFRS Wind Min. Left: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) SEAL 28147 Vert: 1-3=-15, 5-6=-10, 4-5=-10 Horz: 1-6=16, 1-3=5 Concentrated Loads (lb) Vert: 5=-400(B) 26) Dead + 0.6 MWFRS Wind Min. Right: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90 Uniform Loads (plf) Vert: 1-3=-10, 5-6=-10, 4-5=-10 Concentrated Loads (lb) Vert: 5=-400(B) 27) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-3=-13, 5-6=-10, 4-5=-10 Horz: 1-6=16, 1-3=3 Concentrated Loads (lb) Vert: 5=-400(B) 6/20/2021

Job Truss Truss Type Qty Ply	LOT 1115 ANDERSON CREEK 215 SCHOLAR DRIVE SPRING LAKE, NC
20-4573-R01 J08A Jack-Partial Girder 2	¹ Job Reference (optional) # 27083

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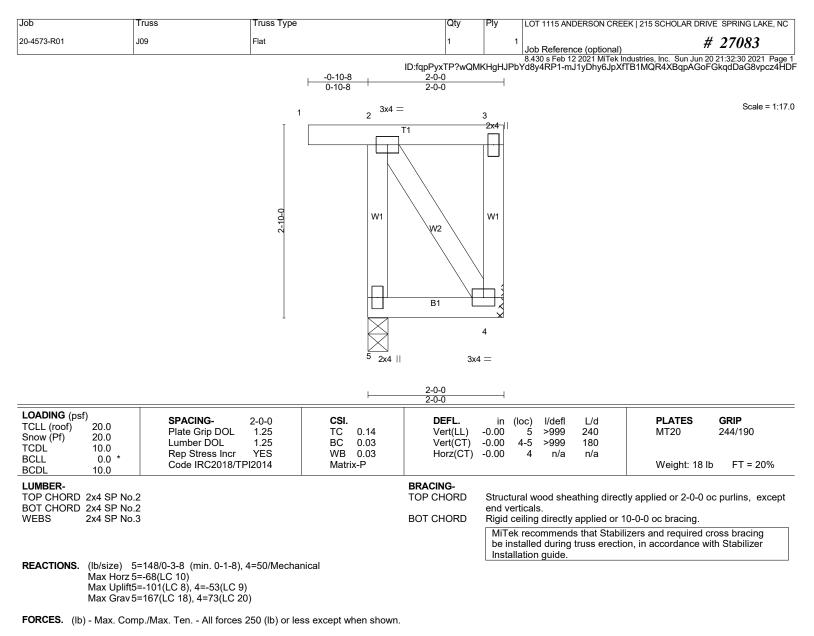
LOAD CASE(S) Standard 28) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-3=12, 5-6=-10, 4-5=-10 Horz: 1-6=-20, 1-3=-22 Concentrated Loads (lb) Vert: 5=-400(B) 29) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-3=-34, 5-6=-20, 4-5=-20 Horz: 1-6=27, 1-3=14 Concentrated Loads (lb) Vert: 5=-400(B) 30) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-3=-9, 5-6=-20, 4-5=-20 Horz: 1-6=-9, 1-3=-11 Concentrated Loads (lb) Vert: 5=-400(B) 31) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-3=29, 5-6=-10, 4-5=-10 Horz: 1-6=13, 1-3=-39 Concentrated Loads (lb) Vert: 5=-400(B) 32) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-3=12, 5-6=-10, 4-5=-10 Horz: 1-6=-19, 1-3=-22 Concentrated Loads (lb) Vert: 5=-400(B) 33) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-3=29, 5-6=-10, 4-5=-10 Horz: 1-6=13, 1-3=-39 Concentrated Loads (lb) Vert: 5=-400(B) 34) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-3=12, 5-6=-10, 4-5=-10 Horz: 1-6=-19, 1-3=-22 Concentrated Loads (lb) Vert: 5=-400(B) 35) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-3=8, 5-6=-20, 4-5=-20 Horz: 1-6=24, 1-3=-28 Concentrated Loads (lb) Vert: 5=-400(B) 36) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-3=-9, 5-6=-20, 4-5=-20 Horz: 1-6=-8, 1-3=-11 Concentrated Loads (lb) Vert: 5=-400(B) 37) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-3=-60, 5-6=-20, 4-5=-20 Horz: 1-6=20, 1-3=10 Concentrated Loads (lb) Vert: 5=-400(B) 38) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-3=-42, 5-6=-20, 4-5=-20 SEAL 28147 Horz: 1-6=-7, 1-3=-8 Concentrated Loads (lb) Vert: 5=-400(B) 39) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-3=-29, 5-6=-20, 4-5=-20 Horz: 1-6=18, 1-3=-21 Concentrated Loads (lb) Vert: 5=-400(B) 40) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-3=-42, 5-6=-20, 4-5=-20 Horz: 1-6=-6, 1-3=-8 Concentrated Loads (lb) Vert: 5=-400(B) 6/20/2021

Job	Truss	Truss Type	Qty	Ply	LOT 1115 ANDERSON CREEK 215 SCHO	AR DRIVE SPRING LAKE, NC
20-4573-R01	J08A	Jack-Partial Girder	2	1	Job Reference (optional)	# 27083
					8 430 c Ech 12 2021 MiTok Industrios Inc. S	up lup 20 21:32:20 2021 Page 5

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LOAD CASE(S) Standard 41) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-3=-60, 5-6=-20, 4-5=-20 Horz: 1-6=20, 1-3=10 Concentrated Loads (lb) Vert: 5=-400(B) 42) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-3=-42, 5-6=-20, 4-5=-20 Horz: 1-6=-7, 1-3=-8 Concentrated Loads (lb) Vert: 5=-400(B) 43) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-3=-29, 5-6=-20, 4-5=-20 Horz: 1-6=18, 1-3=-21 Concentrated Loads (lb) Vert: 5=-400(B) 44) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-3=-42, 5-6=-20, 4-5=-20 Horz: 1-6=-6, 1-3=-8 Concentrated Loads (lb) Vert: 5=-400(B) 45) Reversal: Dead + 0.6 MWFRS Wind Min. Left: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-3=-15, 5-6=-10, 4-5=-10 Horz: 1-6=16, 1-3=5 Concentrated Loads (lb) Vert: 5=-400(B)

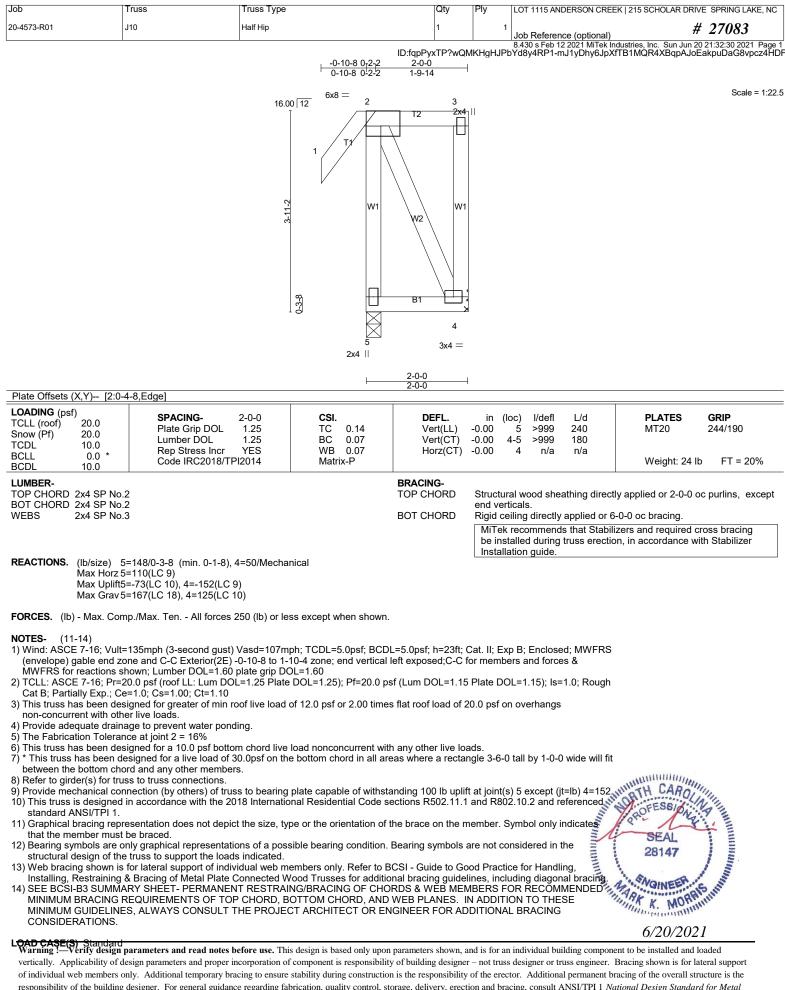




NOTES-(10-13)

- 1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 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=1.25 Plate DOL=1.25); 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.
- Provide adequate drainage to prevent water ponding.
- 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) 4 except (jt=lb) 5=101.
- 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 bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 11) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the

LOAD CASE(S) Standard

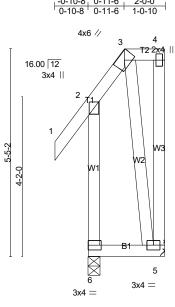


responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 National Design Standard for Metal Plate Connected Wood Truss Construction and BCSI 1-03 Guide to Good Practice for Handling, Installing & 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 1115 ANDERSON CREEK 215 SCHOLAR DRIVE SPRING LAKE, NC
20-4573-R01	J11	Half Hip	1	1	Job Reference (optional) # 27083
					8.430 s Feb 12 2021 MiTek Industries, Inc. Sun Jun 20 21:32:31 2021 Page 1

8.430 s Feb 12 2021 MiTek Industries, Inc. Sun Jun 20 21:32:31 2021 Page 1 ID:fqpPyxTP?wQMKHgHJPbYd8y4RP1-EVbKQ1yk47fW4LcZz9bmk2MEPCYRTEiNpwuSM3z4HDE +-0-10-8 0-11-6 2-0-0 -0-10-8 0-11-6 1-0-10

Scale = 1:30.2



<u>| 0-11-6 | 2-0-0</u> | 0-11-6 | 1-0-10 |

	3-2,0-2-0]		-11-6 1-0-10		
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 1.25 Lumber DOL 1.25 Rep Stress Incr YES Code IRC2018/TPI2014	CSI. TC 0.56 BC 0.23 WB 0.16 Matrix-SH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) l/defl -0.00 5-6 >999 -0.00 5-6 >999 -0.00 5-6 >999 -0.00 5 n/a	L/d PLATES GRIP 240 MT20 244/190 180 n/a Weight: 30 lb FT =
LUMBER- TOP CHORD 2x4 SP No.: BOT CHORD 2x4 SP No.: WEBS 2x4 SP No.:	2		BRACING- TOP CHORD BOT CHORD	end verticals. Rigid ceiling directly a	thing directly applied or 2-0-0 oc purlins,
					that Stabilizers and required cross braci russ erection, in accordance with Stabiliz
Max Hórz 6 Max Uplift5	=50/Mechanical, 6=148/0-3-8 (min. (=-138(LC 10) =-217(LC 9), 6=-118(LC 10) =206(LC 10), 6=192(LC 9))-1-8)			
FORCES. (Ib) - Max. Com WEBS 3-5=-267/9	p./Max. Ten All forces 250 (lb) or le 553	ess except when shown	1.		
 (envelope) gable end zc MWFRS for reactions sl 2) TCLL: ASCE 7-16; Pr=2 Cat B; Partially Exp.; Ce 3) This truss has been desen on-concurrent with other 4) Provide adequate draina 5) This truss has been dese 6) * This truss has been dese 6) * This truss has been dese 6) * This truss has been dese 7) Refer to girder(s) for trus 8) Provide mechanical com 6=118. 9) This truss is designed in standard ANSI/TPI 1. 10) Graphical bracing report that the member must 11) Bearing symbols are o structural design of the 12) Web bracing shown is installing, Restraining of the 	igned for greater of min roof live load	10-4 zone; end vertica OL=1.60 DOL=1.25); Pf=20.0 p of 12.0 psf or 2.00 time load nonconcurrent wi bottom chord in all a plate capable of withs nal Residential Code se vpe or the orientation of sible bearing condition members only. Refer to Vood Trusses for additi ING/BRACING OF CHO	I left exposed;C-C osf (Lum DOL=1.15 es flat roof load of 2 ith any other live lo reas where a recta tanding 100 lb upli ections R502.11.1 f the brace on the r . Bearing symbols BCSI - Guide to Go ional bracing guide	for members and forces 5 Plate DOL=1.15); Is=1 20.0 psf on overhangs ads. ngle 3-6-0 tall by 1-0-0 v ft at joint(s) except (jt=lb and R802.10.2 and refe nember. Symbol only ind are not considered in th pod Practice for Handlin, lines, including diagona	 & .0; Rough wide will fit b) 5=217, TH CARO c) 5=217, CARO <li s<="" state="" th="">

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 1115 ANDERSON CREEP	K 215 SCHOLAR DRIVE SPRING LAKE, NO
20-4573-R01	J12	Jack-Open	11	1	Job Reference (optional)	# 27083
	1		ID:fapPvxTP?w	 QMKHaHJ	8.430 s Feb 12 2021 MiTek Ind	lustries, Inc. Sun Jun 20 21:32:32 2021 Page NiVBIXs6?HFuSYcvXCheW2ad?uVz4H
			<u>2-0-0</u> 2-0-0	a		
						Scale = 1:33
			3 / kg [
		16.00 12				
		3x6 //				
		0-01-0- 1	6-2-3 6-10-0			
			0-9			
		W1 V1	w2			
			5 4			
		2x4	3x6 \\			
			2-0-0 2-0-0			
LOADING (psf)	SPACING-	2-0-0 CSI .	DEFL.	in (le	oc) l/defl L/d	PLATES GRIP
TCLL (roof) 20.0 Snow (Pf) 20.0	Plate Grip DOL Lumber DOL	1.25 TC 0.34 1.25 BC 0.17	Vert(LL) Vert(CT)		5-6 >999 240 5-6 >999 180	MT20 244/190
TCDL 10.0 BCLL 0.0 *	Rep Stress Incr Code IRC2018/TF	YES WB 0.18 VI2014 Matrix-P		-0.02	3 n/a n/a	Weight: 23 lb FT = 20%
BCDL 10.0			BRACING-			
TOP CHORD 2x4 SP No BOT CHORD 2x4 SP No			TOP CHORD	Structur end verf		applied or 2-0-0 oc purlins, except
WEBS 2x4 SP No			BOT CHORD	Rigid ce	iling directly applied or 10	0
				be inst	alled during truss erectior	zers and required cross bracing n, in accordance with Stabilizer
		3=38/Mechanical, 4=18/Mechanical		Installa	ition guide.	
Max Uplift	6=-161(LC 10) 6=-162(LC 10), 3=-66(LC 1					
Max Grav	6=267(LC 9), 3=57(LC 20)	, 4=251(LC 10)				
FORCES. (lb) - Max. Con TOP CHORD 2-6=-545		250 (lb) or less except when shown.				
WEBS 2-5=-316	6/618					
NOTES- (9-12) 1) Wind: ASCE 7-16: Vult	t=135mph (3-second qust)	Vasd=107mph; TCDL=5.0psf; BCDL	=5 0nsf: h=23ft: (Cat II: Ex	n B' Enclosed' MWERS	
(envelope) gable end z		zone; end vertical left exposed;C-C f				
2) TCLL: ASCE 7-16; Pr=		L=1.25 Plate DOL=1.25); Pf=20.0 ps	f (Lum DOL=1.15	Plate DC	L=1.15); ls=1.0; Rough	
3) This truss has been de	esigned for greater of min ro	oof live load of 12.0 psf or 2.00 times	flat roof load of 2	20.0 psf or	n overhangs	
	esigned for a 10.0 psf botto	m chord live load nonconcurrent with				
between the bottom ch	ord and any other member	30.0psf on the bottom chord in all are s.	as where a reclar	igie 3-6-0	,	
		s to bearing plate capable of withsta	nding 100 lb uplif	t at joint(s) 3 except (jt=lb) 6=162,	AND CA SHILL
4=240. 8) This truss is designed	in accordance with the 201	8 International Residential Code sec	tions R502.11.1 a	and R802	10.2 and referenced	TH CAROLING
standard ANSI/TPI 1. 9) Graphical bracing repre	esentation does not depict	the size, type or the orientation of the	e brace on the me	ember. Sy	mbol only indicates that	att May
the member must be b 10) Bearing symbols are	raced. only graphical representation	ons of a possible bearing condition. I	Bearing symbols a	are not co	nsidered in the	SEAL
structural design of th 11) Web bracing shown is	ne truss to support the load s for lateral support of indiv	s indicated. idual web members only. Refer to B	CSI - Guide to Go	od Practio	ce for Handling.	20147
Installing, Restraining	& Bracing of Metal Plate (Connected Wood Trusses for addition	nal bracing guide	lines, inclu /IBERS E	uding diagonal bracing.	WOINEER S
	REQUIREMENTS OF TOP		WEB PLANES. I		ON TO THESE	K. MORRAN
CONSIDERATIONS.		8 International Residential Code sec the size, type or the orientation of the ons of a possible bearing condition. Is indicated. idual web members only. Refer to Bi Connected Wood Trusses for addition IT RESTRAING/BRACING OF CHOR P CHORD, BOTTOM CHORD, AND "HE PROJECT ARCHITECT OR EN refore use. This design is based only upon neorporation of component is responsibility icing to ensure stability during construction				6/20/2021
L OAD CASE(S) Standard Warning !—Verify design	j parameters and read notes h	efore use. This design is based only upon	parameters shown.	und is for an	individual building component	nt to be installed and loaded
vertically. Applicability of	design parameters and proper in	acorporation of component is responsibility	of building designer	r – not truss	designer or truss engineer. B	tracing 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 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	Tru	SS	Truss Type	Qty	Ply		DERSON CRE	EK 215 SCHOLAR DRIVE SPRING LAKE, NO
0-4573-R01	J13		Monopitch Supported Gable	1		1 Job Referen		# 27083
			0.10.8	ID:fqpPyxTP?v 2-0-0	vQMKHgl	8.430 s Feb 12 HJPbYd8y4RP	2 2021 Millek I 1-Ati4rjckv	ndustries, Inc. Sun Jun 20 21:32:33 2021 Page EKfmx5adEpTRb4?Hux5sgGENZQxz4H
			0-10-8 0-10-8	2-0-0				
				2x4				Scale = 1:33
			I	4				
			2x4	Ø				
			16.00 12	3				
			3x6 //					
			2/					
			0-10-0	W3				
			b)					
			A-2-0	'1 ST1				
			4	W2				
			7					
			3x6	11				
			+	6x6 =				1
OADING (psf) CLL (roof)) 20.0	SPACING-	2-0-0 CSI .	DEFL.		(loc) l/defl	L/d	PLATES GRIP
Snow (Pf) ´ CDL	20.0 10.0	Plate Grip DOL Lumber DOL	1.25 TC 0.49 1.25 BC 0.04	Vert(LL) Vert(CT)	0.00 0.00	1-2 n/r 1-2 n/r	180 80	MT20 244/190
SCLL SCDL	0.0 * 10.0	Rep Stress Incr Code IRC2018/T	YES WB 0.38 PI2014 Matrix-P	Horz(CT)	-0.00	5 n/a	n/a	Weight: 39 lb FT = 20%
UMBER-	10.0			BRACING-				
OP CHORD				TOP CHORD		ural wood shea erticals.	athing direc	tly applied or 2-0-0 oc purlins, excep
NEBS	2x4 SP No.3 2x4 SP No.3 2x4 SP No.3			BOT CHORD	Rigid o	ceiling directly	••	10-0-0 oc bracing.
JINERS	2X4 3F N0.3							lizers and required cross bracing on, in accordance with Stabilizer
REACTIONS.	(lb/size) 7=12	28/2-0-0 (min. 0-1-8).	, 5=30/2-0-0 (min. 0-1-8), 6=41/2-0-0) (min. 0-1-8)	Insta	llation guide.		
	Max Horz 7=-1 Max Uplift7=-4	58(LC 10) 26(LC 10), 5=-57(LC	12) 6=-494(I C 9)	· · · ·				
		22(LC 9), 5=53(LC 20						
			250 (lb) or less except when shown.					
OP CHORD	2-7=-1192/62 6-7=-267/113	1						
VEBS	2-6=-540/127	0						
IOTES- (12) Wind: ASCE		5mph (3-second aust) Vasd=107mph; TCDL=5.0psf; BCD	L=5.0psf: h=23ft: (Cat. II: E	xp B: Enclose	d: MWFRS	
(envelope) g	gable end zone		zone; end vertical left exposed;C-C f					
) Truss desig	ned for wind lo	ads in the plane of th	e truss only. For studs exposed to w ified building designer as per ANSI/T		face), se	ee Standard Ir	ndustry	
) TCLL: ASCE	E 7-16; Pr=20.0) psf (roof LL: Lum DC	DL=1.25 Plate DOL=1.25); Pf=20.0 p		i Plate D	OL=1.15); ls=	1.0; Rough	
) This truss ha	as been design		roof live load of 12.0 psf or 2.00 time	s flat roof load of 2	20.0 psf	on overhangs		
	ent with other li res continuous		l.					
) Truss to be t) Gable studs	fully sheathed f	rom one face or secu Ω oc	irely braced against lateral movemen	t (i.e. diagonal we	b).			WINNITH CARO
) This truss ha	as been design	ed for a 10.0 psf bott	om chord live load nonconcurrent wit	h any other live loa	ads.	0 tall by 1 0 0	wide will fit	OFESSION Noting
between the	bottom chord	and any other member	J. Irely braced against lateral movement om chord live load nonconcurrent with 30.0psf on the bottom chord in all ar ers. Iruss to bearing plate capable of withstand based on the second second based of the second s					or the
7=426, 6=4	echanical conn 194.	ection (by others) of the	russ to bearing plate capable of withs	standing 100 ib up	lift at joir	it(s) 5 except		SEAL E
 This truss i standard A 	is designed in a	accordance with the 2	018 International Residential Code s	ections R502.11.1	and R8	02.10.2 and re	eferenced	
							HIM	1 ANGINEER S
							3	SEAL 28147 6/20/2021
								1747.

Job	Truss	Truss Type	Qty	Ply	LOT 1115 ANDERSON CREEK 215 SCHOLAR DRIVE SPRING LAKE, NC
20-4573-R01	J13	Monopitch Supported Gable	1	1	Job Reference (optional) # 27083
					8.430 s Feb 12 2021 MiTek Industries, Inc. Sun Jun 20 21:32:33 2021 Page 2

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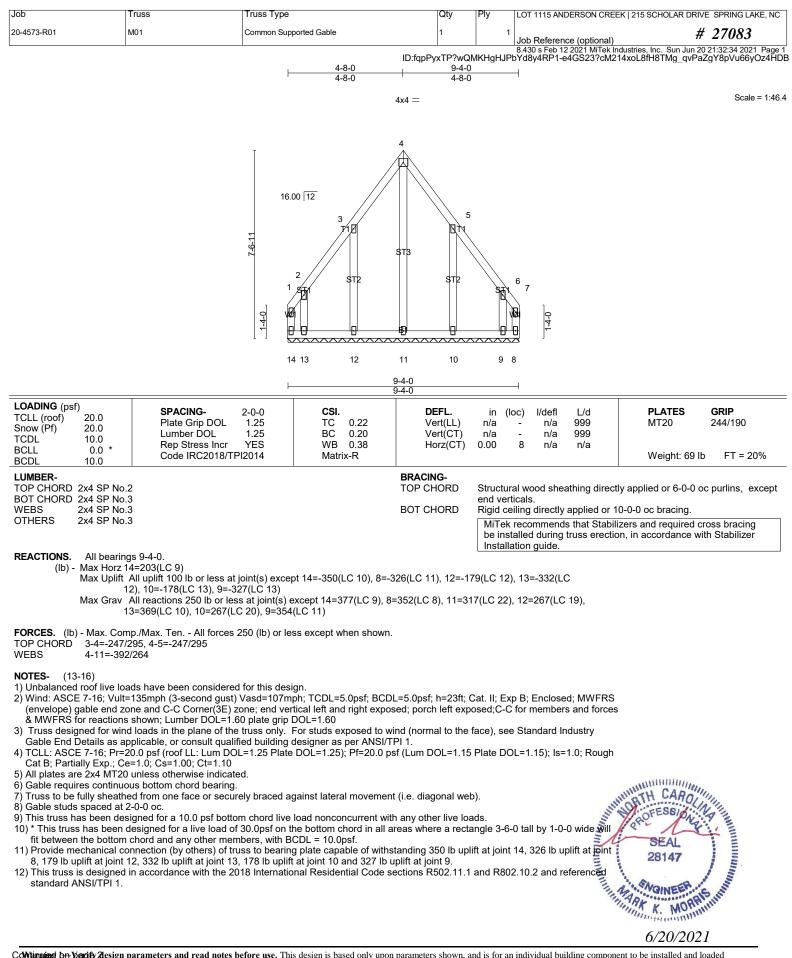
Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

 14) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 15) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS

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

LOAD CASE(S) Standard





Job	Truss	Truss Type	Qty	Ply	LOT 1115 ANDERSON CREEK 215 SCHOLAR DRIVE SPRING LAKE, NC
20-4573-R01	M01	Common Supported Gable	1	1	Job Reference (optional) # 27083
					8.430 s Feb 12 2021 MiTek Industries, Inc. Sun Jun 20 21:32:34 2021 Page 2

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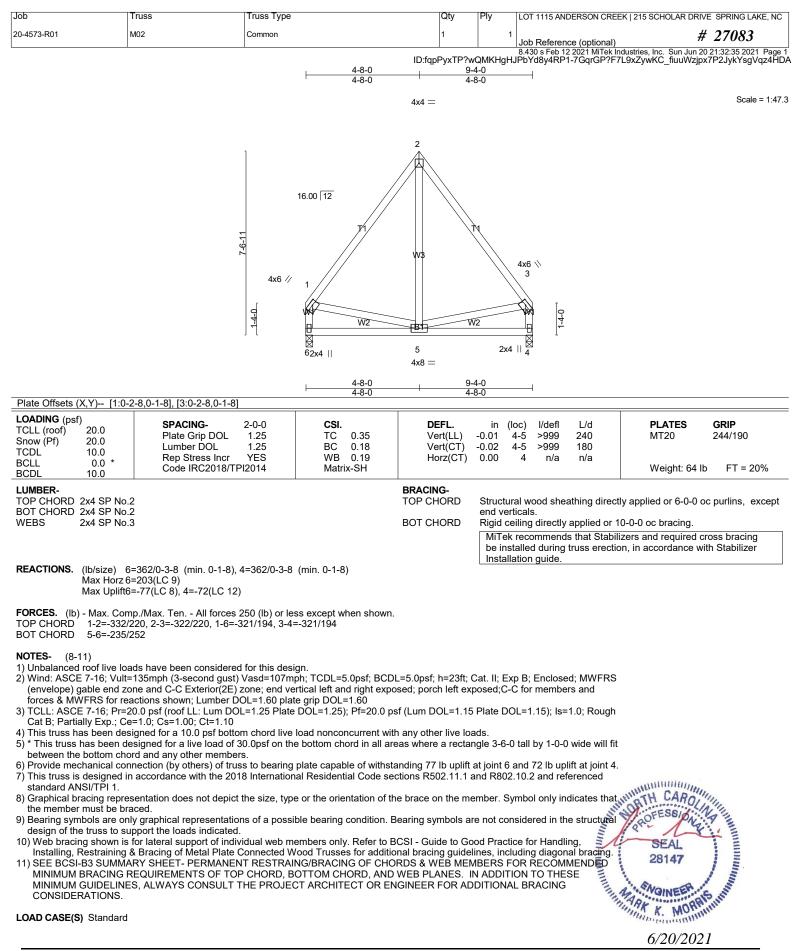
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LOAD CASE(S) Standard





lob		Truss	Truss Type		Qty	Ply	LOT 1115 ANDER	SON CREEK 215 S	CHOLAR DRIVE	SPRING LAKE, NC
20-4573-R01		M03	GABLE		1		1 Job Reference (27083
				0.5.0		IKHgHJF	8.430 s Feb 12 20 PbYd8y4RP1-bSOD	21 MiTek Industries, In DTI0tufHoB6VWmiA	nc. Sun Jun 202 xR53_OD8n8	21:32:36 2021 Page W36yCbD1Gz4HI
				0 ₁ 5 <u>78</u> 0-5-8	<u>9-5-8</u> 9-0-0					
				1						Scale = 1:75
			13-11-5 12-7-13 13-7-13 13-7-14 13-7-14 13-7-14 13-7-14 14-7 14-7 14-7 14-7 14-7 14-7 14-7	5x8 \\ ST1 R T T T T B1 ST2 B1 ST2	2 16.00 12 T1 ST3 ST4 ST4 ST6 ST6 ST6 ST6 ST6 ST6 ST6 ST6	3x6 \ 3 3x6 \ 4	1 <u>4-0</u> 10-4-4			
				6 3x8 =		5 3x4 =	=			
				0- <u>5-8</u> 0-5-8	<u>9-5-8</u> 9-0-0					
		dge,0-1-8], [7:0-1-12,0-0-	0], [10:0-1-9,0-1							
LOADING (ps TCLL (roof) Snow (Pf) TCDL BCLL BCDL	if) 20.0 20.0 10.0 0.0 * 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2018/T	2-0-0 1.25 1.25 YES PI2014	CSI. TC 0.99 BC 0.73 WB 0.09 Matrix-SH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in -0.21 -0.42 0.15	5-6 >517 2 5-6 >260 1	40 N 80 n/a	LATES IT20 /eight: 121 lk	GRIP 244/190 FT = 20%
LUMBER- TOP CHORD BOT CHORD WEBS OTHERS	2x4 SP No	.2 .3 *Except* P No.2			BRACING- TOP CHORD BOT CHORD WEBS	end vo 1 Row 6-0-0 8-8-0 Rigid 1 Row MiTe be ir	ural wood sheathi erticals. Except: v at midpt oc bracing: 1-17 oc bracing: 6-7 ceiling directly app v at midpt ek recommends th sstalled during trus allation guide.	2-4 plied or 10-0-0 oc 4-6 nat Stabilizers and	bracing.	oss bracing
REACTIONS.	Max Horz Max Uplift	5=106/0-3-8 (min. 0-1-8) 18=-379(LC 10) 5=-45(LC 10), 18=-122(L 5=187(LC 5), 18=257(LC	C 13)	min. 0-1-8)		mote	indion guido.			
		np./Max. Ten All forces 2/254, 1-2=-271/267	250 (lb) or less	except when shown.						
(envelope) shown; Lur 2) Truss desi Gable End 3) TCLL: ASC Cat B; Part 4) All plates a 5) Gable stud	E 7-16; Vult gable end z nber DOL=1 gned for wir Details as a E 7-16; Pr= ially Exp.; C re 2x4 MT20 s spaced at	=135mph (3-second gust one and C-C Exterior(2E .60 plate grip DOL=1.60 d loads in the plane of th pplicable, or consult qual 20.0 psf (roof LL: Lum DO e=1.0; Cs=1.00; Ct=1.10) unless otherwise indica 2-0-0 oc. signed for a 10.0 psf bott esigned for a live load of ord and any other member onsiders parallel to grain nnection (by others) of tru in accordance with the 2 sentation does not depict parameters and read notes design parameters and proper only. Additional temporary b	ý zone; end vertic e truss only. Foi ified building des DL=1.25 Plate Do ted.	al left exposed;C-C studs exposed to w signer as per ANSI/T DL=1.25); Pf=20.0 p	for members and t ind (normal to the 'PI 1. sf (Lum DOL=1.15	forces & face), s 5 Plate [& MWFRS for reac see Standard Indus DOL=1.15); Is=1.0	stry ; Rough	CARO ESSIN EAL 8147	HILL A AND AND AND AND AND AND AND AND AND A

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 1115 ANDERSON CREEK 215 SCI	HOLAR DRIVE SPRING LAKE, NC
20-4573-R01	M03	GABLE	1	1	Job Reference (optional)	# 27083
8 430 s Eeb 12 2021 MiTek Industries Inc. Sun Jun 20 21:32:36 2021 Page 2						

ID:fqpPyxTP?wQMKHgHJPbYd8y4RP1-bSODTl0tufHoB6VWmiAxR53_OD8n8W36yCbD1Gz4HD9

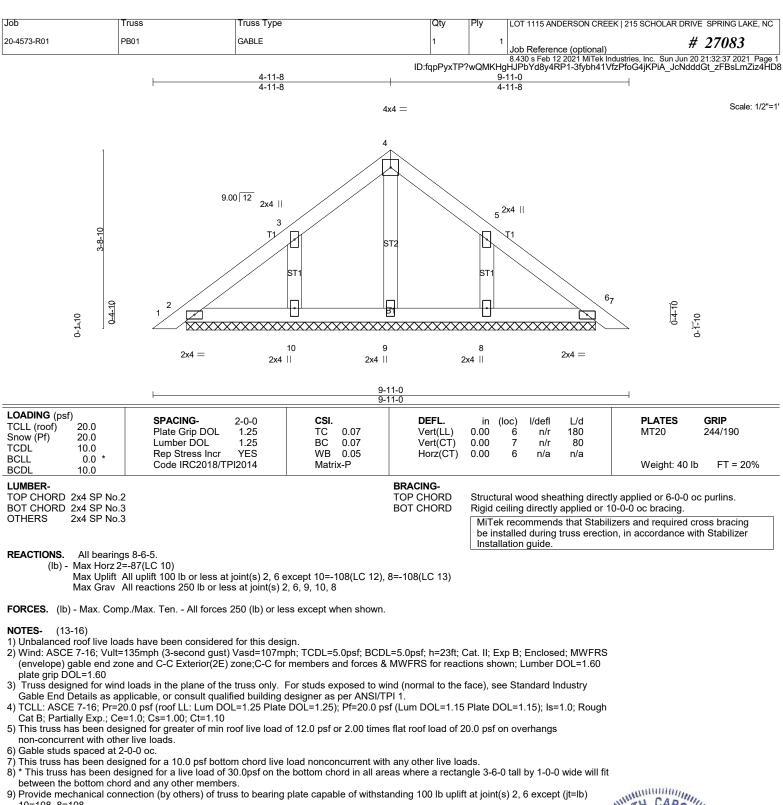
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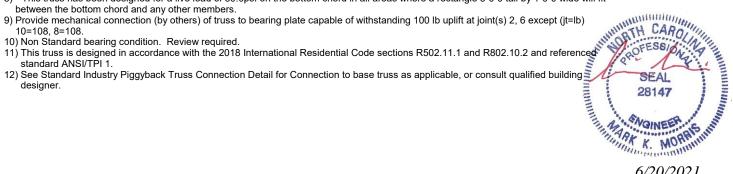
 Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS

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

LOAD CASE(S) Standard







6/20/2021

Job	Truss	Truss Type	Qty	Ply	LOT 1115 ANDERSON CREEK 215 SC	CHOLAR DRIVE SPRING LAKE, NC
20-4573-R01	PB01	GABLE	1	1	Job Reference (optional)	# 27083
8 430 s Feb 12 2021 MiTek Industries, Inc., Sun, Jun 20 21:32:37 2021, Page 2						

ID:fqpPyxTP?wQMKHgHJPbYd8y4RP1-3fybh41VfzPfoG4jKPiA_JcNdddGt_zFBsLmZiz4HD8

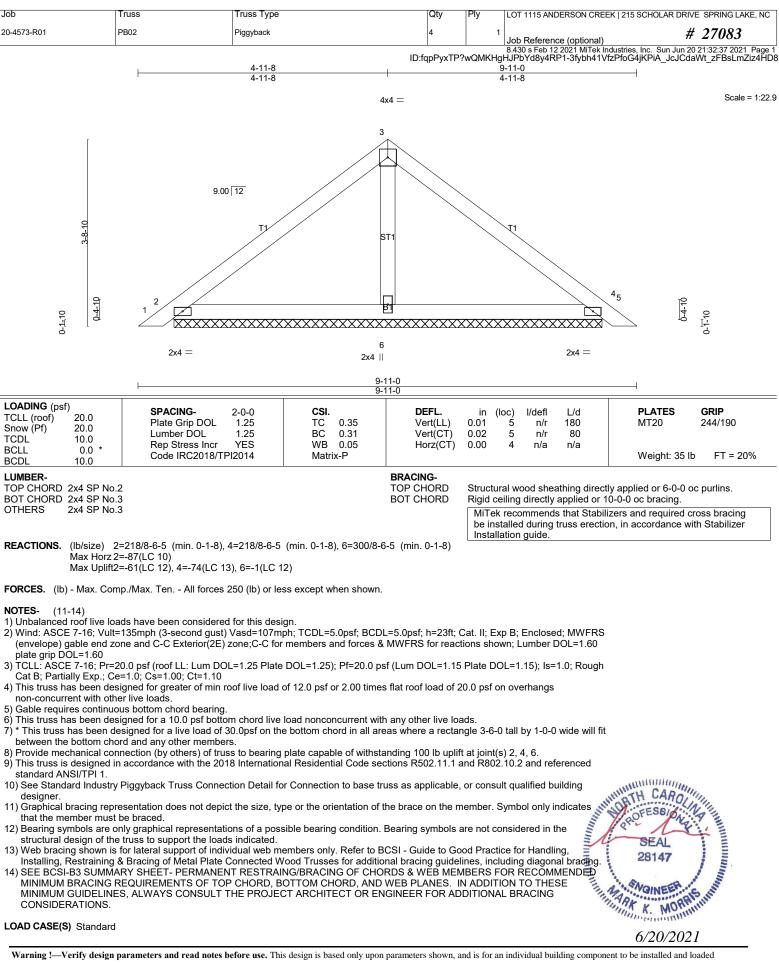
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15) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate

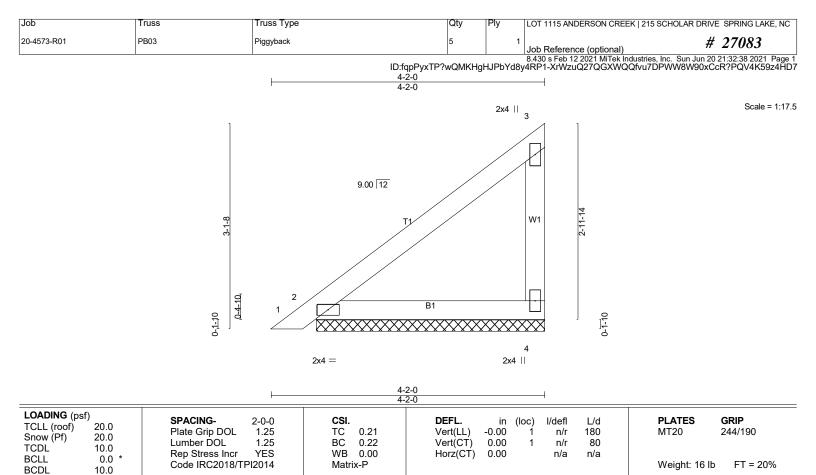
Connected Wood Trusses for additional bracing guidelines, including diagonal bracing. 16) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard





LOAD CASE(S) Standard



BRA	CING-
TOP	CHORD

BOT CHORD

Structural wood sheathing directly applied or 4-2-0 oc purlins, except end verticals.

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) 4=131/3-5-11 (min. 0-1-8), 2=162/3-5-11 (min. 0-1-8) Max Horz 2=108(LC 12) Max Uplift4=-68(LC 12), 2=-5(LC 12) Max Grav 4=142(LC 20), 2=162(LC 1)

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

NOTES-(10-13)

LUMBER-

WFBS

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.3

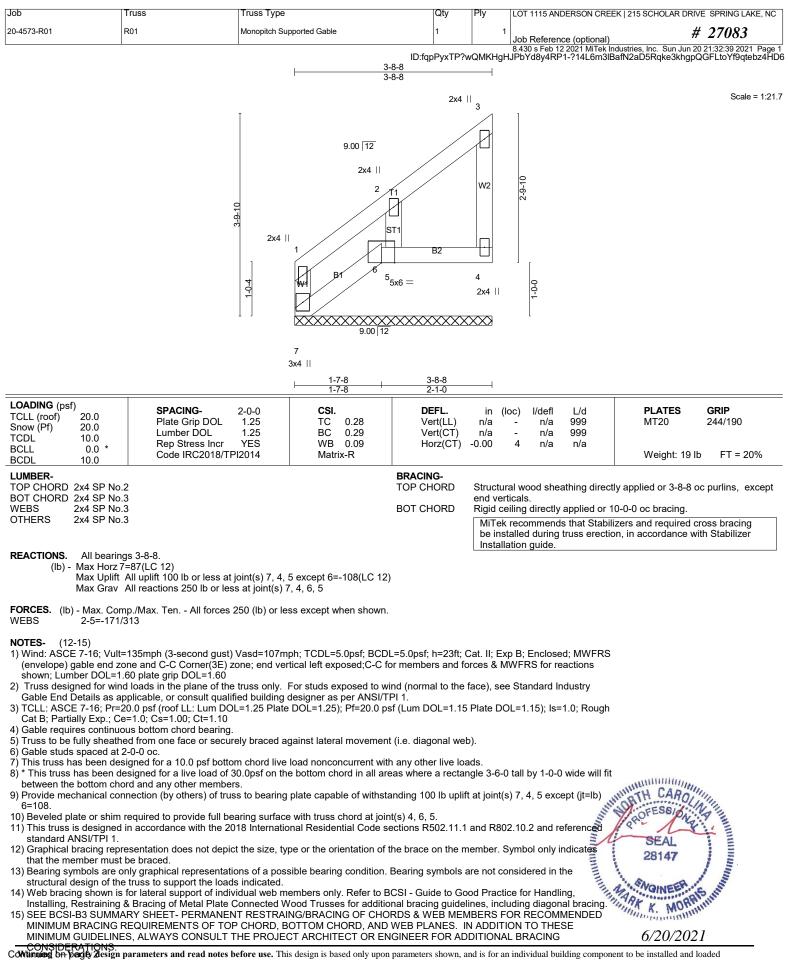
2x4 SP No.3

- 1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 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=1.25 Plate DOL=1.25); 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.
- 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) 4, 2.
- 8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced

- 1) Instrumentation of the control of the c

LOAD CASE(S) Standard





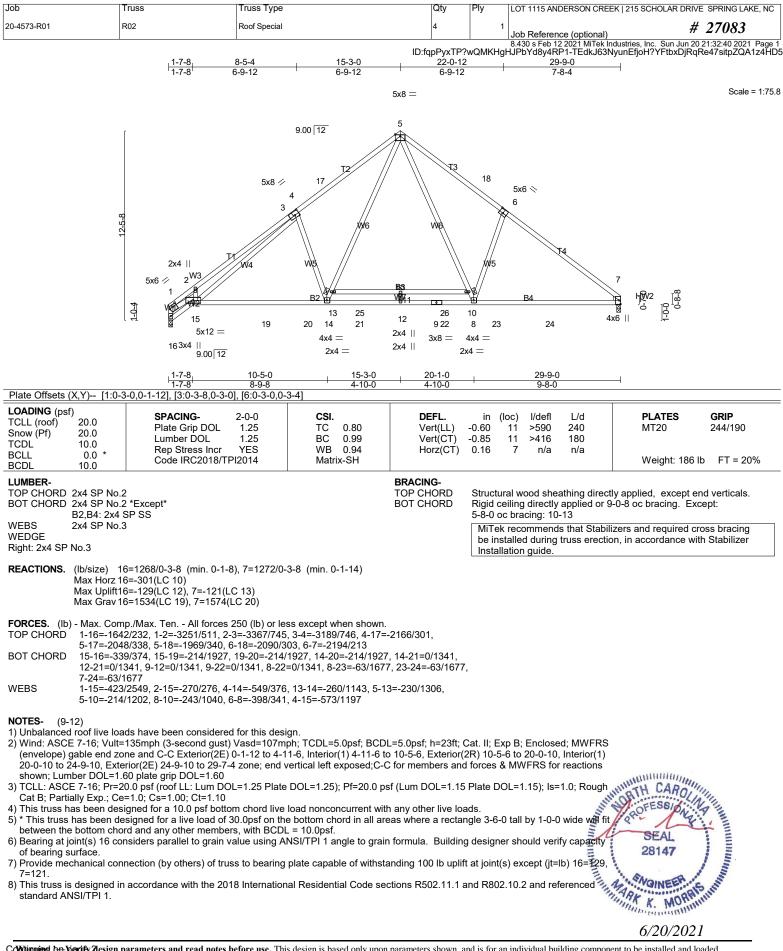
Job	Truss	Truss Type	Qty	Ply	LOT 1115 ANDERSON CREEK 215 SCHOLAR DRIVE SPRING LAKE, NO
20-4573-R01	R01	Monopitch Supported Gable	1	1	Job Reference (optional) # 27083
					9 420 a Eab 12 2021 MiTak Industrias Inc. Sup. Jup 20 21:22:20 2021 Dags

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LOAD CASE(S) Standard



6/20/2021



Job	Truss	Truss Type	Qty	Ply	LOT 1115 ANDERSON CREEK 215 SCI	HOLAR DRIVE SPRING LAKE, NC
20-4573-R01	R02	Roof Special	4	1	Job Reference (optional)	# 27083
					8 430 s Eeb 12 2021 MiTek Industries Inc	Sun Jun 20 21:32:40 2021 Page 2

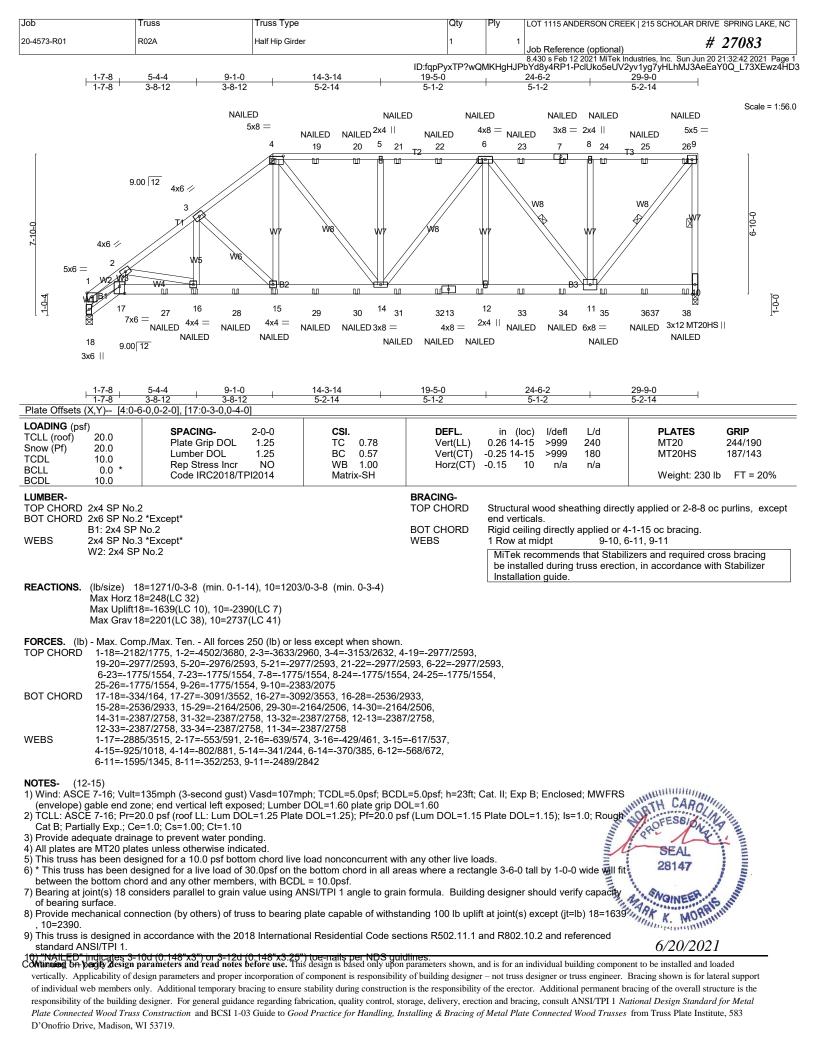
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- 9) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced. 10) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 11) Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing. 12) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS
- OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



6/20/2021



•	Job	Truss	Truss Type	Qty	Ply	LOT 1115 ANDERSON CREEK 215 SCHOL	AR DRIVE SPRING LAKE, NC
:	20-4573-R01	R02A	Half Hip Girder	1	1	Job Reference (optional)	# 27083
			ID:fqpF	yxTP?wQI	ИKHgHJP	8.430 s Feb 12 2021 MiTek Industries, Inc. Si bYd8y4RP1-upJsx86GFpApXBXsggoaD	

NOTES- (12-15)

- 11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
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 SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS
- 15) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

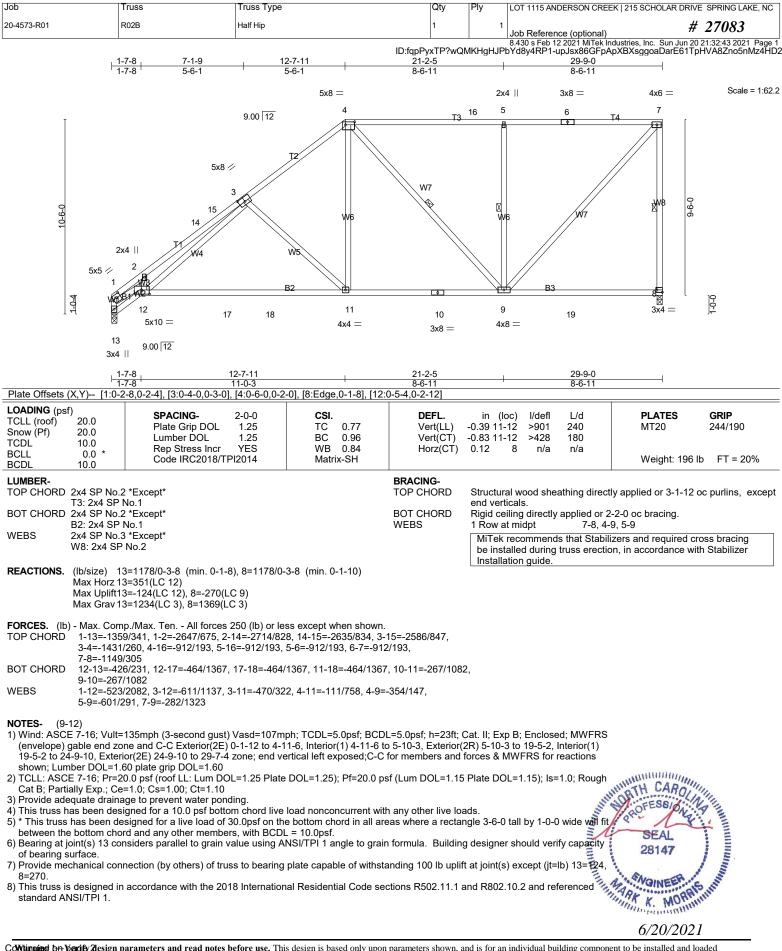
LOAD CASE(S) Standard

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

Uniform Loads (plf) Vert: 1-4=-60, 4-9=-60, 17-18=-20, 10-17=-20 Concentrated Loads (lb)

Vert: 16=-44(F) 27=-32(F) 28=-37(F) 38=-4(F)





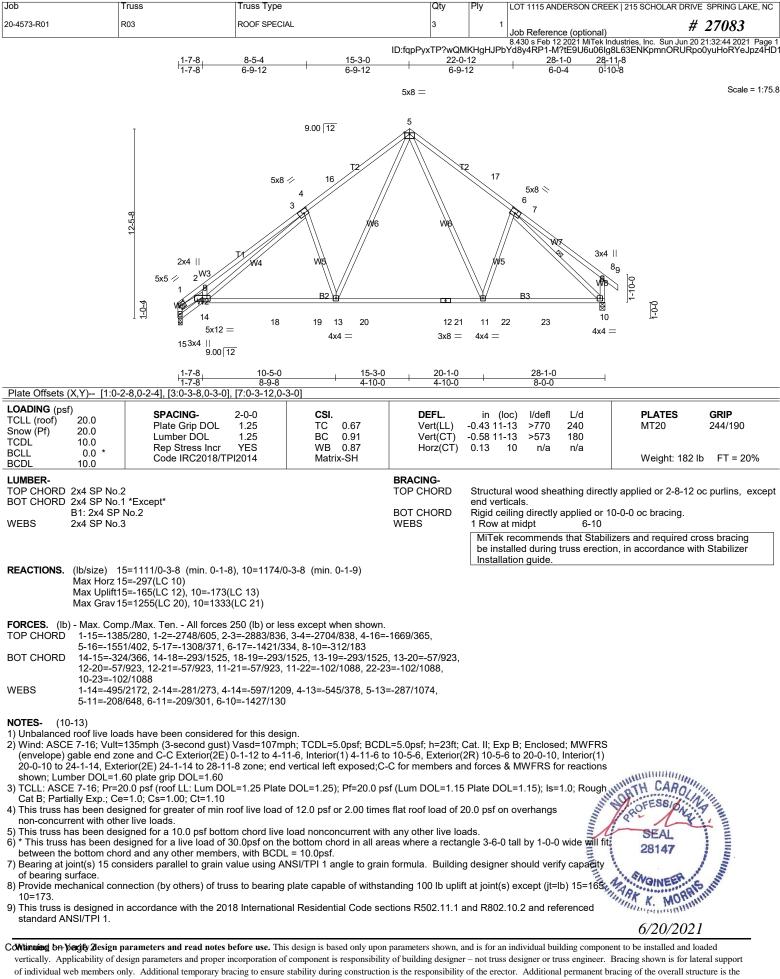
Job	Truss	Truss Type	Qty	Ply	LOT 1115 ANDERSON CREEK 215 SCHOL	AR DRIVE SPRING LAKE, NC
20-4573-R01	R02B	Half Hip	1	1	Job Reference (optional)	# 27083
					8 430 s Feb 12 2021 MiTek Industries Inc. S	un Jun 20 21:32:44 2021 Page 2

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

LOAD CASE(S) Standard





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 1115 ANDERSON CREEK 215 SCHOLAR DRIVE SPRING LAKE, NC
20-4573-R01	R03	ROOF SPECIAL	3	1	Job Reference (optional) # 27083
					8 430 s Feb 12 2021 MiTek Industries Inc. Sun Jun 20 21:32:45 2021 Page 2

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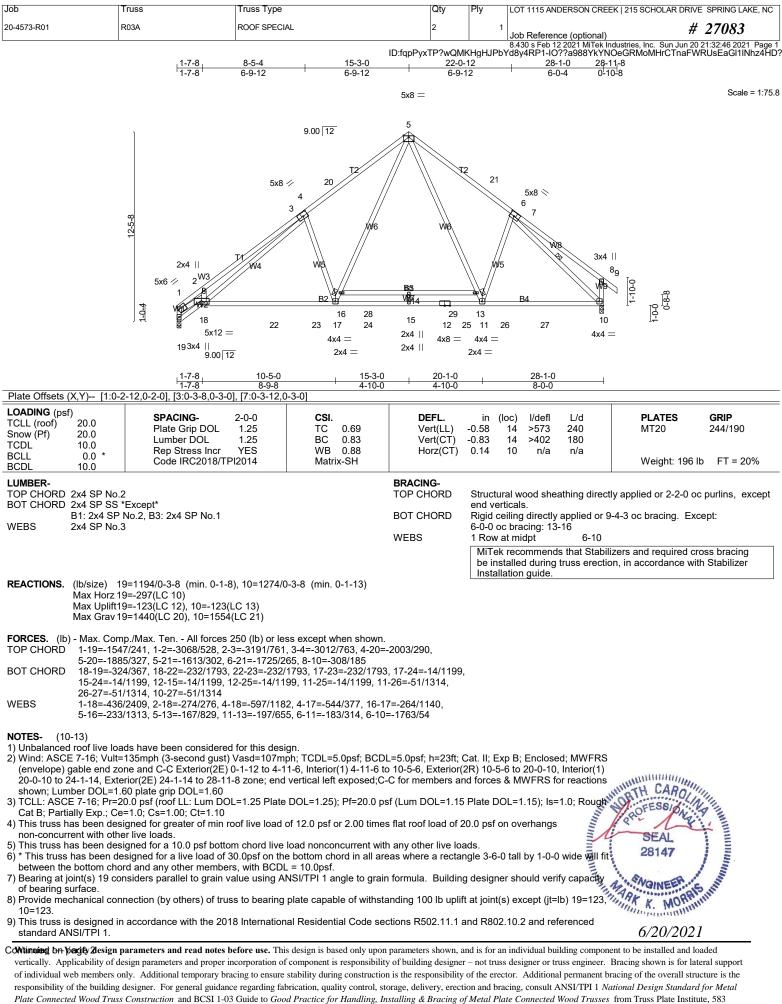
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13) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT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

LOAD CASE(S) Standard





D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 1115 ANDERSON CREEK 215 SCHOLAR DRIVE SPRI	NG LAKE, NC
20-4573-R01	R03A	ROOF SPECIAL	2	1	Job Reference (optional) # 270	983
					8 430 s Feb 12 2021 MiTek Industries Inc. Sun Jun 20 21:32:4	16 2021 Page 2

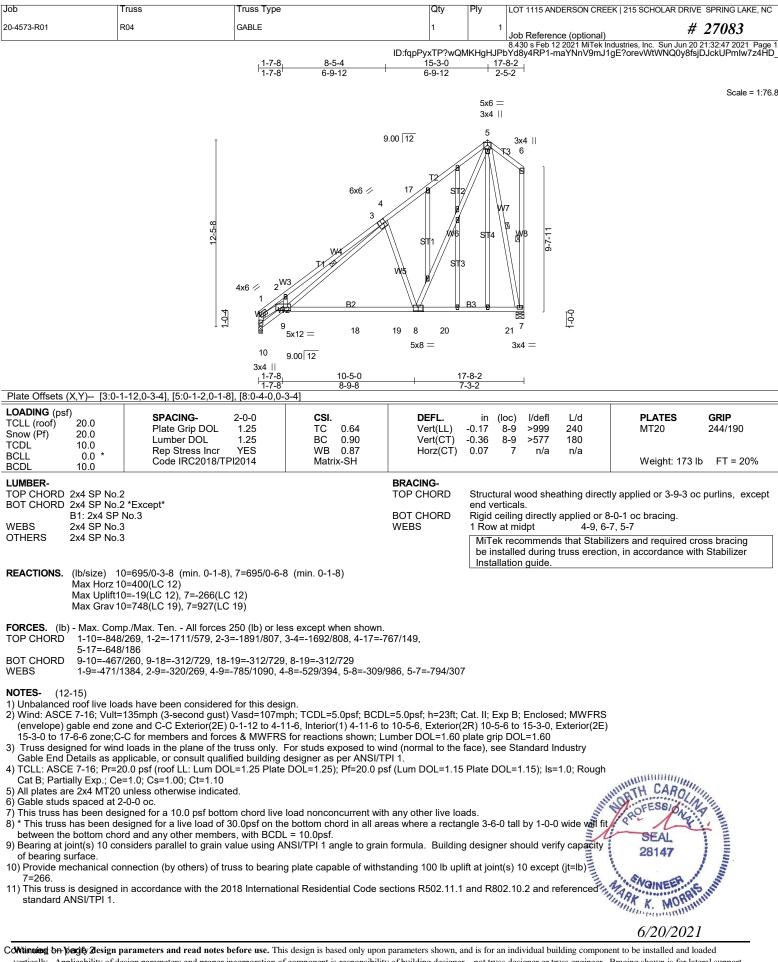
ID:fqpPyxTP?wQMKHgHJPbYd8y4RP1-IO??a988YkYNOeGRMoMHrCTnaFWRUsEaGI1INhz4HD?

- 10) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced. 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.
- 12) Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trustees for additional bracing guidelines, including diagonal bracing. 13) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS
- OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



6/20/2021



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 instance and roaded 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 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 1115 ANDERSON CREEK 215 SCHOLAR DRIVE SPRING LAW	KE, NC
20-4573-R01	R04	GABLE	1	1	Job Reference (optional) # 27083	
					8 430 s Feb 12 2021 MiTek Industries Inc. Sun Jun 20 21:32:47 2021	Page 2

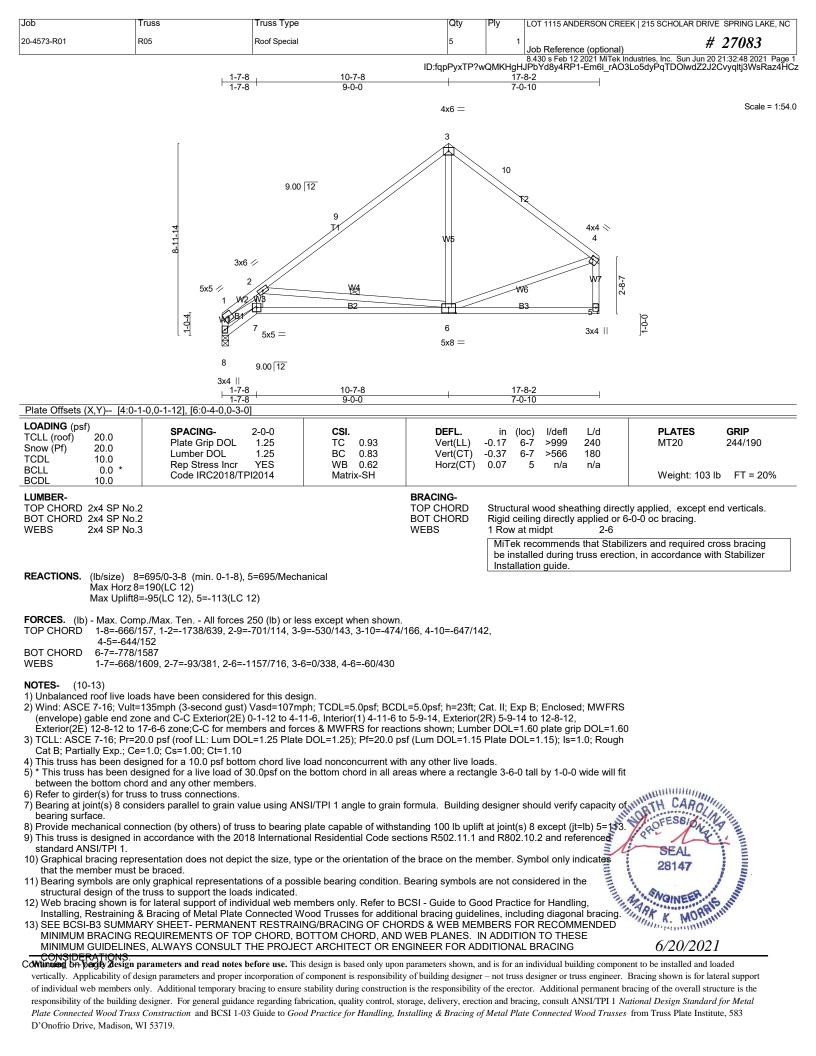
ID:fqpPyxTP?wQMKHgHJPbYd8y4RP1-maYNnV9mJ1gE?orevWtWNQ0y8fsjDJckUPmlw7z4HD_

- 12) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced. 13) 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.
- 14) Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate
- Connected Wood Trustees for additional bracing guidelines, including diagonal bracing. 15) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



6/20/2021



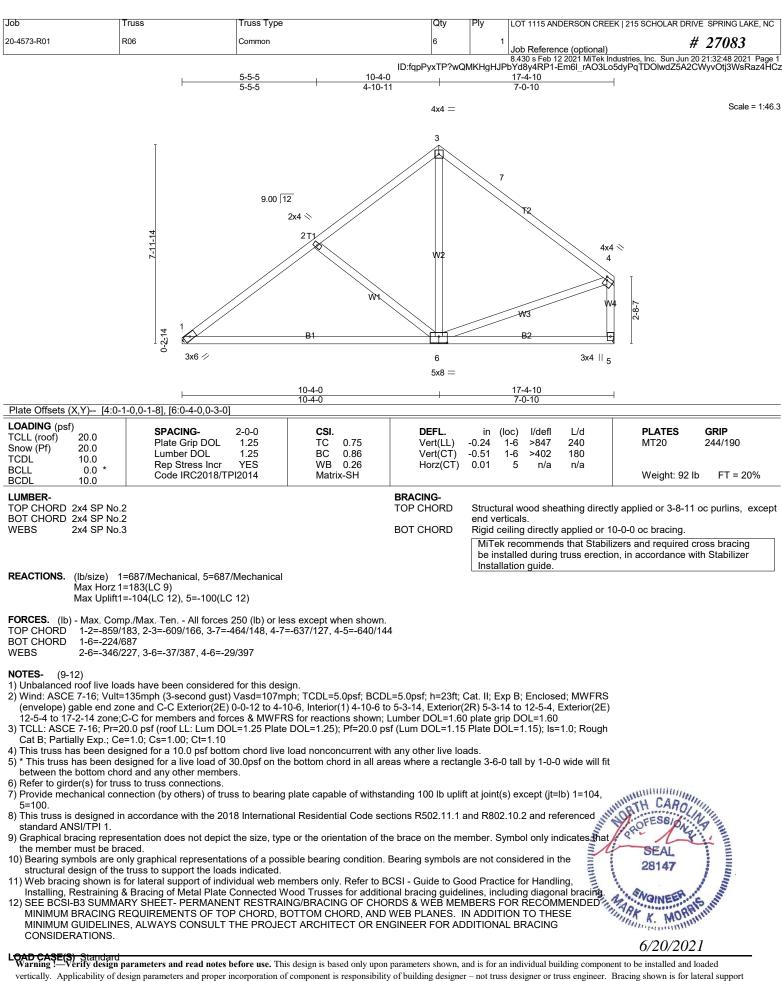
Job	Truss	Truss Type	Qty	Ply	LOT 1115 ANDERSON CREEK 215 SCHOLAR DRIVE	SPRING LAKE, NC
20-4573-R01	R05	Roof Special	5	1	Job Reference (optional) #	27083
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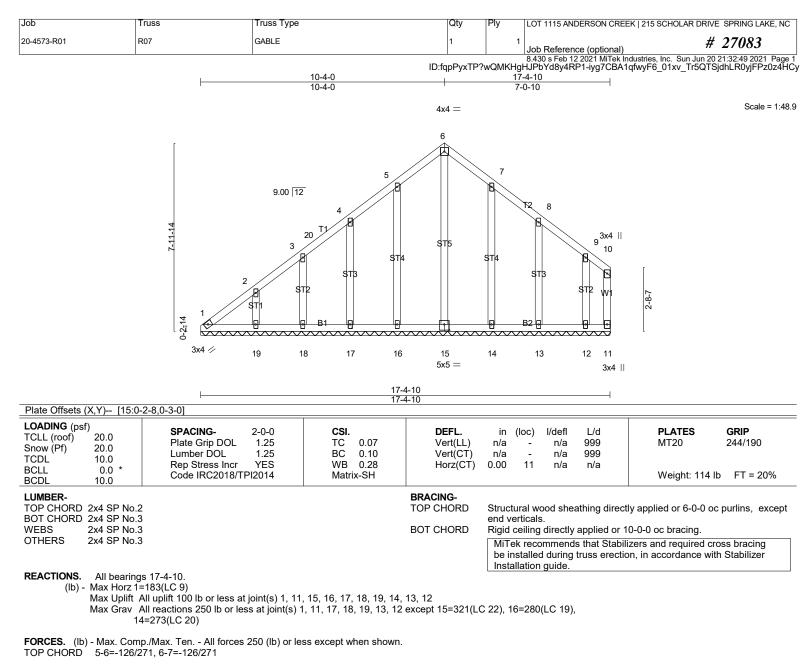
8.430 s Feb 12 2021 MiTek Industries, Inc. Sun Jun 20 21:32:48 2021 Page 2 ID:fqpPyxTP?wQMKHgHJPbYd8y4RP1-Em6I_rAO3Lo5dyPqTDOlwdZ2J2Cvyqltj3WsRaz4HCz

LOAD CASE(S) Standard



6/20/2021





NOTES-(12-15)

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

2) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS

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

4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); 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) All plates are 2x4 MT20 unless otherwise indicated.

6) Gable requires continuous bottom chord bearing.

7)

- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 11, 15, 16, 17 38
- 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced

ES- (12-15) nbalanced roof live loads have been communication of live loads in the plane of the truss only. For study exposed to wind (normal to the live loads in the plane of the truss only. For study exposed to wind (normal to the live loads in the plane of the truss only. For study exposed to wind (normal to the live loads in the plane of the truss only. For study exposed to wind (normal to the live loads in the plane of the truss only. For study exposed to wind (normal to the live loads in the plane of the truss only. For study exposed to wind (normal to the live loads of live load for live load to live load to live load to live load to nonconcurrent with any other live loads.
This truss has been designed for a 10.0 ps footom chord live load nonconcurrent with any other live loads.
This truss has been designed for a 10.0 ps footom chord live load nonconcurrent with any other live loads.
This truss has been designed for a live load of 30.0ps for the bottom chord in all reass where a rectangle 3-6-0 tall by 1-0-0 wide will the load of 30.0ps for the bottom chord in all reass where a rectangle 3-6-0 tall by 1-0-0 wide will the load of 30.0ps for the bottom chord in all reass where a rectangle 3-6-0 tall by 1-0-0 wide will the load of 30.0ps for the bottom chord in all reass where a rectangle 3-6-0 tall by 1-0-0 wide will the load of 30.0ps for the solution chord in all reass where a rectangle 3-6-0 tall by 1-0-0 wide will the load of 30.0ps for the solution chord in all reass where a rectangle 3-6-0 tall by 1-0-0 wide will the load of 30.0ps for the solution chord in all reass where a rectangle 3-6-0 tall by 1-0-0 wide will the load of 30.0ps for the solution chord in all reass where a rectangle 3-6-0 tall by 1-0-0 wide will the load of 30.0ps for the solution chord in all reass where a rectangle 3-6

6/20/2021

Job	Truss	Truss Type	Qty	Ply	LOT 1115 ANDERSON CREEK 215 SCHOLAR DRIVE SPRING LAKE, NC
20-4573-R01	R07	GABLE	1	1	Job Reference (optional) # 27083
					8.430 s Feb 12 2021 MiTek Industries, Inc. Sun Jun 20 21:32:50 2021 Page 2

ID:fqpPyxTP?wQMKHgHJPbYd8y4RP1-A9EWPXBfby2psGZCbeRD?2ebDs3sQohAAN?yWSz4HCx

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

14) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate

Connected Wood Trustees for additional bracing guidelines, including diagonal bracing. 15) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



Job		Truss		Truss	Туре			Qty	Ply	LOT 1115 AND	ERSON CREE	K 215 SCHOLAR	DRIVE SPRING L	AKE, NC
20-4573-R01		R08		Flat Gir	der			1	2		ce (optional)		# 27083	
		0.40 7					I		vQMKHgH	HJPbYd8y4RP1	2021 MiTek Ind -7XMGqDDv7	7aIX6Zjbi3Th4Tji	Jun 20 21:32:52 20 mEgcduZyTehU	21 Page 1 3aLz4HC
		3-10-7 3-10-7		7-7-1 3-8-11		<u>11-3-12</u> 3-8-11		<u>15-0-7</u> 3-8-11		<u>18-9-1</u> 3-8-11		<u>22-7-8</u> 3-10-7	———————————————————————————————————————	
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1 .	15			0.0	42							- Ш		
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4x12	MT20HS	LUS24 NAILED	LUS24	LUS24 NAILED	2x4 LUS24	LUS24	3x10 =		S24 6× 2x4	(12 MT20HS=	LUS24	LUS24	4x12 MT20HS LUS24	
			NAILED							LUS24	NAILED		NAILED	
		3-10-7	I	7-7-1		11-3-12		15-0-7	1	18-9-1	I	22-7-8		
Plate Offset	s (X.Y)	3-10-7 [3:0-3-12.0)-4-8], [8:0-5-8	3-8-11 3.Edael	I	3-8-11	-	3-8-11	1	3-8-11	ł	3-10-7		
LOADING (SPACING-	2-0-0		CSI.		DEFL.	in ((loc) l/defl	L/d	PLATES	GRIP	
TCLL (roof) Snow (Pf)	20.0 20.0		Plate Grip D	DOL 1.25		TC 0.81		Vert(LL)	-0.22	12 >999	240	MT20	244/190	
TCDL BCLL	10.0 0.0		Lumber DO Rep Stress			BC 0.66 WB 0.87		Vert(CT) Horz(CT)	-0.53 0.09	12 >503 8 n/a	180 n/a	MT20HS	5 187/143	3
BCDL	10.0		Code IRC2	018/TPI2014		Matrix-SH						Weight:	312 lb FT = 2	20%
LUMBER-								ACING- P CHORD	Structu		thing direct	v applied or 2 (9 10 co purlino	oveent
TOP CHOR BOT CHOR	D 2x6 SI	P DSS							end ve	rticals.	0		8-10 oc purlins,	except
WEBS		P No.3 *Ex x4 SP No.1	cept*				BO	T CHORD	Rigid c	eiling directly	applied or 10	0-0-0 oc bracin	g.	
REACTION	S . (lb/siz	re) 15=56	56/0-3-8 (min	ı. 0-2-14), 8=6	325/0-3-8	(min 0-3-3)								
	Max H	lórz 15=-74	(LC 6)	,.	020/0 0 0	(11111: 0 0 0)								
		•	'1(LC 6), 8=-4	. ,										
TOP CHOR						cept when sho 7=-9267/55, 3-		7/55,						
						16955/0, 5-2 22-23=-9366/1								
	7-8=	-5410/279	-,-	,	,		, -	,						
BOT CHOR						27=0/15101, 1 11=0/15200, 1								
		1=0/15200	9-31=0/1520		64/0. 3-13=	=-166/1338, 3-	12=0/21 ⁻	18. 4-12=-76 [.]	1/0.					
WEBS		=-30/10352				3/232, 7-9=-14			,					
WEBS	1-14			89, 5-9=-6652	-,									
NOTES- (1-14 5-12 (16-19)	2=0/2001, 5	-11=-193/138											
NOTES- (1) 2-ply trus Top chore	1-14 5-12 (16-19) s to be co ds conne	2=0/2001, 5 onnected to cted as follo	-11=-193/138 ogether with 1 ows: 2x4 - 1 r	0d (0.131"x3" ow at 0-9-0 od	nails as fo , 2x6 - 2 ro	ows staggered	at 0-9-0							
NOTES- (1) 2-ply trus Top chore Bottom cl	1-14 5-12 (16-19) s to be co ds conne hords cor	2=0/2001, 5 onnected to cted as follo nnected as	-11=-193/138 gether with 1 ows: 2x4 - 1 ro follows: 2x6 -	0d (0.131"x3" ow at 0-9-0 oc 2 rows stagge	nails as fo , 2x6 - 2 ro	ows staggered	at 0-9-0							
NOTES- (1) 2-ply trus Top chor Bottom cl Webs col	1-14 5-12 (16-19) s to be co ds conner hords cor hnected a	2=0/2001, 5 onnected to cted as follo nected as as follows: 2	egether with 1 by 2x4 - 1 rows: 2x4 - 1 rows: 2x4 - 1 row at 2x4 - 1 row at	0d (0.131"x3" ow at 0-9-0 oc 2 rows stagge 0-9-0 oc.) nails as fo ; 2x6 - 2 ro ered at 0-9	ows staggered -0 oc.	back (B)	oc.	OAD CA	SE(S) section	. Ply to ply			
NOTES- (1) 2-ply trus Top chor Bottom cl Webs col	1-14 5-12 (16-19) s to be co ds conner hords cor hnected a	2=0/2001, 5 onnected to cted as follo nected as as follows: 2	egether with 1 by 2x4 - 1 rows: 2x4 - 1 rows: 2x4 - 1 row at 2x4 - 1 row at	0d (0.131"x3" ow at 0-9-0 oc 2 rows stagge 0-9-0 oc.) nails as fo ; 2x6 - 2 ro ered at 0-9	ows staggered -0 oc.	back (B)	oc.	-OAD CA I. Cat. II; E	SE(S) section	d; MWFRS	WITH CAR		
NOTES- (1) 2-ply trus Top chor Bottom cl Webs col	1-14 5-12 (16-19) s to be co ds conner hords cor hnected a	2=0/2001, 5 onnected to cted as follo nected as as follows: 2	egether with 1 by 2x4 - 1 rows: 2x4 - 1 rows: 2x4 - 1 row at 2x4 - 1 row at	0d (0.131"x3" ow at 0-9-0 oc 2 rows stagge 0-9-0 oc.) nails as fo ; 2x6 - 2 ro ered at 0-9	ows staggered -0 oc.	back (B)	oc.	-OAD CA I. Cat. II; E) 5 Plate D	\SE(S) section xp B; Enclose OL=1.15); Is=	d; MWFRS	WITH CAR	OLINIIII Saina	
NOTES- (1) 2-ply trus Top chor Bottom cl Webs col	1-14 5-12 (16-19) s to be co ds conner hords cor hnected a	2=0/2001, 5 onnected to cted as follo nected as as follows: 2	egether with 1 by 2x4 - 1 rows: 2x4 - 1 rows: 2x4 - 1 row at 2x4 - 1 row at	0d (0.131"x3" ow at 0-9-0 oc 2 rows stagge 0-9-0 oc.) nails as fo ; 2x6 - 2 ro ered at 0-9	ows staggered -0 oc.	back (B)	oc.	-OAD CA I. Cat. II; E) 5 Plate D	SE(S) section xp B; Enclose OL=1.15); Is=	d; MWFRS	TH CAR		
NOTES- (1) 2-ply trus Top chorn Bottom cl Webs cool 2) All loads connectic 3) Wind: AS (envelope 4) TCLL: AS Cat B; Pac 5) Provide a 6) All plates	1-14 5-12 (16-19) s to be co ds connector ords cor nnected a are consi nns have CE 7-16; e) gable e CE 7-16; rtially Ex (dequate are MT2	2=0/2001, 5 connected to cted as follo innected as as follows: 2 idered equa been provio Vult=135m end zone; e ; Pr=20.0 p p.; Ce=1.0; drainage to 0 plates un	-11=-193/138 gether with 1/ pws: 2x4 - 1 rr follows: 2x6 - 2x4 - 1 row at ally applied to ded to distribut uph (3-second nd vertical left sf (roof LL: Lut Cs=1.00; Ct prevent wate less otherwise	0d (0.131"x3" ow at 0-9-0 oc 2 rows stagge 0-9-0 oc. all plies, exce te only loads 1 gust) Vasd= t and right exp im DOL=1.25 =1.10 er ponding. e indicated.	nails as fr , 2x6 - 2 rc ered at 0-9 pt if noted noted as (I 107mph; T posed; Lun Plate DOL	ows staggered -0 oc. as front (F) or F) or (B), unles CDL=5.0psf; E ber DOL=1.60 =1.25); Pf=20	back (B) s otherw 3CDL=5.0) plate gr .0 psf (Lu	oc. /ise in the L /ise indicated)psf; h=23ft; ip DOL=1.60 Im DOL=1.15	l. Cat. II; E) 5 Plate D	\SE(S) section xp B; Enclose OL=1.15); Is=	d; MWFRS	SEAL		
NOTES- (1) 1) 2-ply trus Top chorn Bottom cl Webs col 2) All loads connectio 3) Wind: AS (envelope 4) TCLL: AS Cat B; Pe 5) Provide a 6) All plates 8) * This trus 8) * This trus	1-14 5-12 16-19) s to be co ds connected a are consi ons have (CE 7-16; c) gable e GCE 7-16; ritially Exi dequate a re MT2 s has bee ss has be	2=0/2001, 5 connected to cted as follows: 2 dered equa been provid Vult=135m and zone; e ; Pr=20.0 p p.; Ce=1.0; drainage to 0 plates un n designed een designed	e-11=-193/138 gether with 1 bows: 2x4 - 1 rr follows: 2x6 - 2x4 - 1 row at ally applied to ded to distribut ph (3-second nd vertical lef sf (roof LL: Lu Cs=1.00; Ct= less otherwise for a 10.0 ps ed for a live lo	0d (0.131"x3" ow at 0-9-0 oc 2 rows stagge 0-9-0 oc. all plies, exce te only loads I gust) Vasd= t and right exp im DOL=1.25 =1.10 er ponding. e indicated. f bottom chorr ad of 30.0psf	nails as fo , 2x6 - 2 ro ered at 0-9 pt if noted noted as (I 107mph; T posed; Lum Plate DOL	ows staggered -0 oc.	back (B) ss otherw 3CDL=5.0 9 plate gr .0 psf (Lu t with any	oc. isse in the L isse indicated opsf; h=23ft; ip DOL=1.60 im DOL=1.15 y other live lo	I. Cat. II; E) 5 Plate D ads.	xp B; Enclose OL=1.15); Is=	d; MWFRS	SEAL 28147		
NOTES- (1) 2-ply trus Top chorn Bottom cl Webs cool 2) All loads connectic 3) Wind: AS (envelope 4) TCLL: AS Cat B; Pa 5) Provide a 6) All plates 7) This truss 8) * This truss	1-14 5-12 16-19) s to be cc ds conner- nords cor nnected a are consi nns have CE 7-16; a) gable e CE 7-16; b) gable e CE 7-16; c) gable e CE 7-16; b) gable e SCE 7-16; c) gable	2=0/2001, 5 connected to cted as follo innected as as follows: 2 idered equa been provio Vult=135n end zone; e ; Pr=20.0 p p; Ce=1.0; drainage to 0 plates un en designed sen designed	equation of the second	0d (0.131"x3" ow at 0-9-0 oc 2 rows staggo 0-9-0 oc. all plies, exce te only loads 1 gust) Vasd= t and right exp m DOL=1.25 =1.10 er ponding. e indicated. f bottom chors ad of 30.0psf embers	nails as fo , 2x6 - 2 ro ered at 0-9 pt if noted noted as (I 107mph; T posed; Lum Plate DOL d live load on the bott	ows staggered -0 oc. as front (F) or F) or (B), unles CDL=5.0psf; E ber DOL=1.6(=1.25); Pf=20 nonconcurrent tom chord in a	back (B) so otherw 3CDL=5.0) plate gr 0 psf (Lu t with any Il areas v	oc. /ise indicated /psf; h=23ft; ip DOL=1.60 /m DOL=1.15 / other live lo vhere a recta	I. Cat. II; E 5 Plate D ads. ngle 3-6-	xp B; Enclose OL=1.15); ls= 0 tall by 1-0-0	d; MWFRS	SEAL 28147	A A A A A A A A A A A A A A A A A A A	
NOTES- (1) 2-ply trus Top chorn Bottom cl Webs cool 2) All loads connectic 3) Wind: AS (envelope 4) TCLL: AS Cat B; Pa 5) Provide a 6) All plates 7) This trus between 9) Provide n 8=405.	1-14 5-12 16-19) s to be cc ds connec nords cor nnected a are consi nns have CE 7-16; a) gable e CE 7-16; b) gable e CE 7-16; dequate are MT2 s has bee ss has bee the bottor nechanica	2=0/2001, 5 connected to cted as follo- innected as as follows: 2 idered equa been provid- been provid- Vult=135m end zone; e ; Pr=20.0 p p.; Ce=1.0; drainage to 0 plates un en designed men designed men chord an al connection	-11=-193/138 gether with 1 ows: 2x4 - 1 ru follows: 2x6 - 2x4 - 1 row at ally applied to ded to distribu ph (3-second nd vertical lef sf (roof LL: Lu Cs=1.00; CLE prevent wate less otherwise l for a 10.0 ps d for a 10.0 ps d for a live lo d any other s)	0d (0.131"x3" ow at 0-9-0 oc 2 rows stagge 0-9-0 oc. all plies, exce the only loads 1 gust) Vasd= t and right exp im DOL=1.25 =1.10 er ponding. e indicated. f bottom chore ad of 30.0psf iembers. of truss to be	n nails as fo , 2x6 - 2 rc ered at 0-9 pt if noted noted as (I 107mph; T posed; Lun Plate DOL d live load on the bott aring plate	ows staggered -0 oc. as front (F) or F) or (B), unles CDL=5.0psf; E aber DOL=1.6(=1.25); Pf=20 nonconcurrent tom chord in a	back (B) so otherw CDL=5. 0 plate gr 0 psf (Lu t with any II areas v thstandir	oc. ise in the L ise indicated psf; h=23ft; ip DOL=1.60 Im DOL=1.15 v other live lo vhere a recta ig 100 lb upli	I. Cat. II; E 5 Plate D ads. ngle 3-6- ft at joint(xp B; Enclose OL=1.15); ls= -0 tall by 1-0-0 (s) except (jt=l	d; MWFRS	SEAL 28147	A RESIDENT	
NOTES- (1) 1) 2-ply trus Top chorn Bottom cl Webs coil 2) All loads connectic 3) Wind: AS (envelope 4) TCLL: AS Cat B; Pa 5) Provide ra 6) All plates 7) This trus 8) * This trus between 9) Provider na 8=405. 10) This trus	1-14 5-12 16-19) s to be cc ds connec nords cor nnected a are consi nns have CE 7-16; a) gable e CE 7-16; b) gable e CE 7-16; dequate are MT2 s has bee ss has bee the bottor nechanica	2=0/2001, 5 connected to cted as follo- nected as as follows: 2 idered equa- been provid been provid been provid vult=135m end zone; e ; Pr=20.0 p p.; Ce=1.0; drainage to 0 plates un en designed een designed m chord an al connector gned in acc	-11=-193/138 gether with 1 ows: 2x4 - 1 ru follows: 2x6 - 2x4 - 1 row at ally applied to ded to distribu ph (3-second nd vertical lef sf (roof LL: Lu Cs=1.00; CLE prevent wate less otherwise l for a 10.0 ps d for a 10.0 ps d for a live lo d any other s)	0d (0.131"x3" ow at 0-9-0 oc 2 rows stagge 0-9-0 oc. all plies, exce the only loads 1 gust) Vasd= t and right exp Im DOL=1.25 =1.10 er ponding. e indicated. f bottom chore ad of 30.0psf iembers. of truss to be	n nails as fo , 2x6 - 2 rc ered at 0-9 pt if noted noted as (I 107mph; T posed; Lun Plate DOL d live load on the bott aring plate	ows staggered -0 oc. as front (F) or F) or (B), unles CDL=5.0psf; E ber DOL=1.6(=1.25); Pf=20 nonconcurrent tom chord in a	back (B) so otherw CDL=5. 0 plate gr 0 psf (Lu t with any II areas v thstandir	oc. ise in the L ise indicated psf; h=23ft; ip DOL=1.60 Im DOL=1.15 v other live lo vhere a recta ig 100 lb upli	I. Cat. II; E 5 Plate D ads. ngle 3-6- ft at joint(xp B; Enclose OL=1.15); ls= -0 tall by 1-0-0 (s) except (jt=l	d; MWFRS	SEAL 28147 SEAL 28147	2021	

Continuing Gh pagig/Zeisign 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 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 S from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 1115 ANDERSON CREEK 215 SCHOLAR DRIVE SPRING LAKE,
20-4573-R01	R08	Flat Girder	1	2	Job Reference (optional) # 27083
		I	ID:fapPvxTP?w		8.430 s Feb 12 2021 MiTek Industries, Inc. Sun Jun 20 21:32:53 2021 Pa IJPbYd8y4RP1-bkwe2ZDXutQOjjInGm wdhGxz3ysd0CctLDc6nz4
NOTES- (16-19					
		12, 13, 14, 15, 16, 17, 18, 19, 20, 21 ner must review loads to verify that th			, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45 d use of this truss.
12) Use Simpson	Strong-Tie LUS24 (4-10d Gird	der, 2-10d Truss, Single Ply Girder) o			c max. starting at 2-0-12 from the left end to 22-0-12 to conn
	δ (1 ply 2x4 SP), R05 (1 ply 2x4 les where hanger is in contact	SP) to front face of bottom chord.			
14) "NAILED" ind	licates 3-10d (0.148"x3") or 3-1	2d (0.148"x3.25") toe-nails per NDS			
		all be provided sufficient to support co s) is the responsibility of others.	oncentrated load(s) 50	2 lb dow	n at 6-0-12, and 502 lb down at 16-5-12 on top chord. The
16) Graphical bra	cing representation does not o	lepict the size, type or the orientation			Symbol only indicates that the member must be braced. onsidered in the structural design of the truss to support the
loads indicate		individual web members only. Pofer t	o RCSL. Cuido to Co	od Draoti	ice for Handling, Installing, Restraining & Bracing of Metal Pl
Connected W	lood Trusses for additional bra	cing guidelines, including diagonal bi	acing.		ice for Handling, installing, Restraining & Bracing of Metal Pl
					OR RECOMMENDED MINIMUM BRACING REQUIREMEN 3. ALWAYS CONSULT THE PROJECT ARCHITECT OR
	FOR ADDITIONAL BRACING (, ALWATS CONSOLT THE PROJECT ARCHITECT OR
LOAD CASE(S)	Standard				
1) Dead + Snow ((balanced): Lumber Increase=	1.15, Plate Increase=1.15			
Uniform Loads	s (plf) -7=-60. 8-15=-20				
Concentrated I	Loads (lb)				
		B) 16=-161(B) 17=-456(B) 18=-540 1 1=-675(F) 32=-675(F) 33=-683(F=-68		I=-161(B	3) 22=-161(B) 23=-179(B) 24=-667(F) 25=-667(F) 26=-667(F)
2) Dead + Roof L	ivè (balanced): Lumber Increa		(, D1)		
Uniform Loads	; (plf) -7=-60. 8-15=-20				
Concentrated I					
		B) 16=-161(B) 17=-456(B) 18=-540 1 1=-675(F) 32=-675(F) 33=-683(F=-68		I=-161(B	3) 22=-161(B) 23=-179(B) 24=-667(F) 25=-667(F) 26=-667(F)
		crease=1.25, Plate Increase=1.25	(, D1)		
Uniform Loads	; (plf) -7=-50, 8-15=-20				
Concentrated I					
		B) 16=-142(B) 17=-437(B) 18=-540 1 1=-588(F) 32=-588(F) 33=-596(F=-59		I=-142(B	3) 22=-142(B) 23=-156(B) 24=-581(F) 25=-581(F) 26=-581(F)
		ase=1.15, Plate Increase=1.15	μ+, D1)		
Uniform Loads	; (plf) -7=-50, 8-15=-20				
Concentrated I					
				I=-142(B	3) 22=-142(B) 23=-156(B) 24=-581(F) 25=-581(F) 26=-581(F)
		1=-588(F) 32=-588(F) 33=-596(F=-59 Lumber Increase=1.25, Plate Increas			
Uniform Loads	; (plf) -7=-20, 8-15=-40				
Concentrated I	Loads (lb)				
		B) 16=-127(B) 17=-421(B) 18=-540 1 1=-482(F) 32=-482(F) 33=-496(F=-49		I=-127(B	3) 22=-127(B) 23=-132(B) 24=-475(F) 25=-475(F) 26=-475(F)
		t: Lumber Increase=1.60, Plate Increase			
Uniform Loads	; (plf) -7=29, 8-15=-10				
	1-15=16, 7-8=20				
Concentrated I		16=124(B) 17=-336(B) 18=-540 19=-	540 20- 336(B) 21-1	24(B) 22	2-124/B) 23-133/B)
24=110	0(F) 25=110(F) 26=110(F) 27=	110(F) 28=110(F) 29=123(F) 31=123	(F) 32=123(F) 33=120		
7) Dead + 0.6 MV Uniform Loads		ht: Lumber Increase=1.60, Plate Incr	ease=1.60		
Vert: 1	-7=29, 8-15=-10				
Horz: 1 Concentrated I	1-15=-20, 7-8=-16 Loads (lb)				
Vert: 1	0=123(F) 14=110(F) 2=124(B)	16=124(B) 17=-336(B) 18=-540 19=			
		110(F) 28=110(F) 29=123(F) 31=123 t: Lumber Increase=1.60, Plate Incre		D(F=120,	, B=-1)
Uniform Loads	; (plf)				
	-7=8, 8-15=-20 1-15=27, 7-8=9				and this is the second s
Concentrated I	Loads (lb)			· • /= ·	WINGTH CARO
		16=146(B) 17=-326(B) 18=-540 19= 120(F) 28=120(F) 29=133(F) 31=133			2=146(B) 23=148(B)
9) Dead + 0.6 MV	NFŔS Wind (Neg. Internal) Rig	ht: Lumber Increase=1.60, Plate Incr		(*)	and the second
Uniform Loads Vert: 1	; (plf) -7=8, 8-15=-20				SEAL
Horz: 1	1-15=-9, 7-8=-27				28147
Concentrated I Vert: 1		16=146(B) 17=-326(B) 18=-540 19=-	-540 20=-326(R) 21-1	46(R) 22	P=146(B) 23=148(B)
24=120	0(F) 25=120(F) 26=120(F) 27=	120(F) 28=120(F) 29=133(F) 31=133	(F) 32=133(F) 33=127		2=146(B) 23=148(B) 2=146(B) 23=148(B) 2=146(B) 23=148(B) 2=146(B) 23=148(B)
10) Dead + 0.6 M	WFRS Wind (Pos. Internal) 1	st Parallel: Lumber Increase=1.60, Pla	ate Increase=1.60		Million K. MORISIN
					contraction from the second
					6/20/2021

Job	Truss	Truss Type	Qty	Ply	LOT 1115 ANDERSON CREEK 215 SCHOLAR DRIVE SPRING LAW	KE, NC
20-4573-R01	R08	Flat Girder	1	2	Job Reference (optional) # 27083	

8.430 s Feb 12 2021 MiTek Industries, Inc. Sun Jun 20 21:32:53 2021 Page 3 ID:fqpPyxTP?wQMKHgHJPbYd8y4RP1-bkwe2ZDXutQOjjInGm_wdhGxz3ysd0CctLDc6nz4HCu

6/20/2021

LOAD CASE(S) Standard Uniform Loads (plf) Vert: 1-7=29, 8-15=-10 Horz: 1-15=13, 7-8=19 Concentrated Loads (lb) Vert: 10=123(F) 14=110(F) 2=124(B) 16=124(B) 17=-336(B) 18=-540 19=-540 20=-336(B) 21=124(B) 22=124(B) 23=133(B) 24=110(F) 25=110(F) 26=110(F) 26= 27=110(F) 28=110(F) 29=123(F) 31=123(F) 32=123(F) 33=120(F=120, B=-1) 11) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-7=29, 8-15=-10 Horz: 1-15=-19, 7-8=-13 Concentrated Loads (lb) Vert: 10=123(F) 14=110(F) 2=124(B) 16=124(B) 17=-336(B) 18=-540 19=-540 20=-336(B) 21=124(B) 22=124(B) 23=133(B) 24=110(F) 25=110(F) 26=110(F) 27=110(F) 28=110(F) 29=123(F) 31=123(F) 32=123(F) 33=120(F=120, B=-1) 12) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-7=29, 8-15=-10 Horz: 1-15=13, 7-8=19 Concentrated Loads (lb) Vert: 10=123(F) 14=110(F) 2=124(B) 16=124(B) 17=-336(B) 18=-540 19=-540 20=-336(B) 21=124(B) 22=124(B) 23=133(B) 24=110(F) 25=110(F) 26=110(F) 26= 27=110(F) 28=110(F) 29=123(F) 31=123(F) 32=123(F) 33=120(F=120, B=-1) 13) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-7=29, 8-15=-10 Horz: 1-15=-19, 7-8=-13 Concentrated Loads (lb) Vert: 10=123(F) 14=110(F) 2=124(B) 16=124(B) 17=-336(B) 18=-540 19=-540 20=-336(B) 21=124(B) 22=124(B) 23=133(B) 24=110(F) 25=110(F) 26=110(F) 26= 27=110(F) 28=110(F) 29=123(F) 31=123(F) 32=123(F) 33=120(F=120, B=-1) 14) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-7=8, 8-15=-20 Horz: 1-15=24, 7-8=8 Concentrated Loads (Ib) Vert: 10=133(F) 14=120(F) 2=146(B) 16=146(B) 17=-326(B) 18=-540 19=-540 20=-326(B) 21=146(B) 22=146(B) 23=148(B) 24=120(F) 25=120(F) 26=120(F) 26= 27=120(F) 28=120(F) 29=133(F) 31=133(F) 32=133(F) 33=127(F) 15) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-7=8, 8-15=-20 Horz: 1-15=-8, 7-8=-24 Concentrated Loads (lb) Vert: 10=133(F) 14=120(F) 2=146(B) 16=146(B) 17=-326(B) 18=-540 19=-540 20=-326(B) 21=146(B) 22=146(B) 23=148(B) 24=120(F) 25=120(F) 26=120(F) 26= 27=120(F) 28=120(F) 29=133(F) 31=133(F) 32=133(F) 33=127(F) 16) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90 Uniform Loads (plf) Vert: 1-7=-20, 8-15=-20 Concentrated Loads (lb) Vert: 10=-328(F) 14=-324(F) 2=-83(B) 16=-83(B) 17=-378(B) 18=-540 19=-540 20=-378(B) 21=-83(B) 22=-83(B) 23=-89(B) 24=-324(F) 25=-324(F) 26=-324(F) 26=-326(F) 26=-326(F) 26=-326(F) 26=-326(F) 26=-32 27=-324(F) 28=-324(F) 29=-328(F) 31=-328(F) 32=-328(F) 33=-335(F=-334, B=-1) 17) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-7=-29, 8-15=-20 Horz: 1-15=20, 7-8=7 Concentrated Loads (lb) Vert: 10=62(F) 14=52(F) 2=101(B) 16=101(B) 17=-326(B) 18=-540 19=-540 20=-326(B) 21=101(B) 22=101(B) 23=101(B) 24=52(F) 25=52(F) 26=52(F) 27=52(F) 28=52(F) 29=62(F) 31=62(F) 32=62(F) 33=56(F) 18) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-7=-29, 8-15=-20 Horz: 1-15=-7, 7-8=-20 Concentrated Loads (lb) Vert: 10=62(F) 14=52(F) 2=101(B) 16=101(B) 17=-326(B) 18=-540 19=-540 20=-326(B) 21=101(B) 22=101(B) 23=101(B) 24=52(F) 25=52(F) 26=52(F) 27=52(F) 28=52(F) 29=62(F) 31=62(F) 32=62(F) 33=56(F) 19) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) SEAL 28147 Vert: 1-7=-29, 8-15=-20 Horz: 1-15=18, 7-8=6 Concentrated Loads (lb) Vert: 10=62(F) 14=52(F) 2=101(B) 16=101(B) 17=-326(B) 18=-540 19=-540 20=-326(B) 21=101(B) 22=101(B) 23=101(B) 24=52(F) 25=52(F) 26=52(F) 27=52(F) 28=52(F) 29=62(F) 31=62(F) 32=62(F) 33=56(F) 20) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-7=-29, 8-15=-20 Horz: 1-15=-6, 7-8=-18 Concentrated Loads (lb) Vert: 10=62(F) 14=52(F) 2=101(B) 16=101(B) 17=-326(B) 18=-540 19=-540 20=-326(B) 21=101(B) 22=101(B) 23=101(B) 24=52(F) 25=52(F) 26=52(F) 27=52(F) 28=52(F) 29=62(F) 31=62(F) 32=62(F) 33=56(F) 21) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60

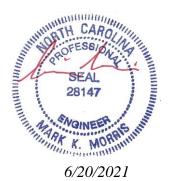
Job	Truss	Truss Type	Qty	Ply	LOT 1115 ANDERSON CREEK 215 SCHOLAR DRIVE SPRING LAKE, NC
20-4573-R01	R08	Flat Girder	1	2	Job Reference (optional) # 27083

8.430 s Feb 12 2021 MiTek Industries, Inc. Sun Jun 20 21:32:53 2021 Page 4 ID:fqpPyxTP?wQMKHgHJPbYd8y4RP1-bkwe2ZDXutQOjjInGm_wdhGxz3ysd0CctLDc6nz4HCu

LOAD CASE(S) Standard Uniform Loads (plf) Vert: 1-7=-29, 8-15=-20 Horz: 1-15=20, 7-8=7 Concentrated Loads (lb) Vert: 10=62(F) 14=52(F) 2=101(B) 16=101(B) 17=-326(B) 18=-540 19=-540 20=-326(B) 21=101(B) 22=101(B) 23=101(B) 24=52(F) 25=52(F) 26=52(F) 27=52(F) 26=52(F) 28=52(F) 29=62(F) 31=62(F) 32=62(F) 33=56(F) 22) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-7=-29, 8-15=-20 Horz: 1-15=-7, 7-8=-20 Concentrated Loads (lb) Vert: 10=62(F) 14=52(F) 2=101(B) 16=101(B) 17=-326(B) 18=-540 19=-540 20=-326(B) 21=101(B) 22=101(B) 23=101(B) 24=52(F) 25=52(F) 26=52(F) 27=52(F) 26=52(F) 27=52(F) 26=52(F) 28=52(F) 29=62(F) 31=62(F) 32=62(F) 33=56(F) 23) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-7=-29, 8-15=-20 Horz: 1-15=18, 7-8=6 Concentrated Loads (lb) Vert: 10=62(F) 14=52(F) 2=101(B) 16=101(B) 17=-326(B) 18=-540 19=-540 20=-326(B) 21=101(B) 22=101(B) 23=101(B) 24=52(F) 25=52(F) 26=52(F) 27=52(F) 26=52(F) 27=52(F) 26=52(F) 28=52(F) 29=62(F) 31=62(F) 32=62(F) 33=56(F) 24) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-7=-29, 8-15=-20 Horz: 1-15=-6, 7-8=-18 Concentrated Loads (lb) Vert: 10=62(F) 14=52(F) 2=101(B) 16=101(B) 17=-326(B) 18=-540 19=-540 20=-326(B) 21=101(B) 22=101(B) 23=101(B) 24=52(F) 25=52(F) 26=52(F) 27=52(F) 26=52(F) 27=52(F) 26=52(F) 28=52(F) 29=62(F) 31=62(F) 32=62(F) 33=56(F) 25) Dead + Minimum Snow: Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-7=-60, 8-15=-20 Concentrated Loads (lb) Vert: 10=-675(F) 14=-667(F) 2=-161(B) 16=-161(B) 17=-456(B) 18=-540 19=-540 20=-456(B) 21=-161(B) 22=-161(B) 23=-179(B) 24=-667(F) 25=-667(F) 26=-667(F) 2 27=-667(F) 28=-667(F) 29=-675(F) 31=-675(F) 32=-675(F) 33=-683(F=-681, B=-1) 26) Dead + 0.6 MWFRS Wind Min. Left: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-7=-10, 8-15=-10 Horz: 1-15=16 Concentrated Loads (lb) Vert: 10=73(F) 14=62(F) 2=133(B) 16=133(B) 17=-336(B) 18=-540 19=-540 20=-336(B) 21=133(B) 22=133(B) 23=130(B) 24=62(F) 25=62(F) 26=62(F) 27=62(F) 26=62(F) 27=62(F) 26=62(F) 28=62(F) 29=73(F) 31=73(F) 32=73(F) 33=69(F=70, B=-1) 27) Dead + 0.6 MWFRS Wind Min. Right: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-7=-10, 8-15=-10 Horz: 7-8=-16 Concentrated Loads (lb) Vert: 10=73(F) 14=62(F) 2=133(B) 16=133(B) 17=-336(B) 18=-540 19=-540 20=-336(B) 21=133(B) 22=133(B) 23=130(B) 24=62(F) 25=62(F) 26=62(F) 27=62(F) 26=62(F) 27=62(F) 26=62(F) 28=62(F) 29=73(F) 31=73(F) 32=73(F) 33=69(F=70, B=-1) 28) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-7=29, 8-15=-10 Horz: 1-15=16, 7-8=20 Concentrated Loads (lb) Vert: 10=-376(F) 14=-369(F=-363, B=-6) 2=-207(B) 16=-207(B) 17=-502(B) 18=-540 19=-540 20=-502(B) 21=-207(B) 22=-207(B) 23=-199(B) 24=-369(F=-363, B=-6) 25=-369(F=-363, B=-6) 26=-363(F) 27=-363(F) 28=-363(F) 29=-376(F) 30=-6(B) 31=-381(F=-376, B=-6) 32=-381(F=-376, B=-6) 33=-387(F=-379, B=-9) 29) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-7=29, 8-15=-10 SEAL 28147 SYNC COPESSION AND SYNC A Horz: 1-15=-20, 7-8=-16 Concentrated Loads (lb) Vert: 10=-376(F) 14=-369(F=-363, B=-6) 2=-207(B) 16=-207(B) 17=-502(B) 18=-540 19=-540 20=-502(B) 21=-207(B) 22=-207(B) 23=-199(B) 24=-369(F=-363, B=-6) 25=-369(F=-363, B=-6) 26=-363(F) 27=-363(F) 28=-363(F) 29=-376(F) 30=-6(B) 31=-381(F=-376, B=-6) 32=-381(F=-376, B=-6) 33=-387(F=-379, B=-9) 30) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-7=8, 8-15=-20 Horz: 1-15=27, 7-8=9 Concentrated Loads (lb) Vert: 10=-366(F) 14=-353(F) 2=-186(B) 16=-186(B) 17=-481(B) 18=-540 19=-540 20=-481(B) 21=-186(B) 22=-186(B) 23=-184(B) 24=-353(F) 25=-353(F) 26=-353(F) 27=-353(F) 28=-353(F) 29=-366(F) 31=-366(F) 32=-366(F) 33=-373(F=-372) ATTOMINITE THE REAL PROPERTY OF B=-1) 31) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-7=8, 8-15=-20 Horz: 1-15=-9, 7-8=-27

Job	Truss	Truss Type	Qty	Ply	LOT 1115 ANDERSON CREEK 215 SCHOLAR DI	RIVE SPRING LAKE, NC
20-4573-R01	R08	Flat Girder	1	2	Job Reference (optional)	# 27083
			fapPvxTP?w		8.430 s Feb 12 2021 MiTek Industries, Inc. Sun Jur JPbYd8y4RP1-bkwe2ZDXutQOjjInGm_wdhGx	1 20 21:32:53 2021 Page 5
LOAD CASE(S) Standar	-d	-				
Concentrated Loads	(lb)					
		6=-186(B) 1/=-481(B) 18=-540 19=-540 3 366(F) 32=-366(F) 33=-373(F=-372, B=-1)		21=-186(1	B) 22=-186(B) 23=-184(B) 24=-353(F) 25=	-353(F) 26=-353(F)
32) Reversal: Dead + 0.6 Uniform Loads (plf)	6 MWFRS Wind (Pos. Intern	al) 1st Parallel: Lumber Increase=1.60, P	late Increase	e=1.60		
Vert: 1-7=29 Horz: 1-15=1						
Concentrated Loads	(lb)					
					B) 21=-207(B) 22=-207(B) 23=-199(B) 24=) 32=-381(F=-376, B=-6) 33=-387(F=-379,	
33) Reversal: Dead + 0.6 Uniform Loads (plf)	6 MWFRS Wind (Pos. Intern	al) 2nd Parallel: Lumber Increase=1.60, F	Plate Increas	e=1.60		
Vert: 1-7=29						
-Horz: 1-15 Concentrated Loads	(lb)					
					B) 21=-207(B) 22=-207(B) 23=-199(B) 24=) 32=-381(F=-376, B=-6) 33=-387(F=-379,	
34) Reversal: Dead + 0.6 Uniform Loads (plf)	6 MWFRS Wind (Pos. Intern	al) 3rd Parallel: Lumber Increase=1.60, P	late Increas	e=1.60		,
Vert: 1-7=29						
Horz: 1-15=1 Concentrated Loads						
					B) 21=-207(B) 22=-207(B) 23=-199(B) 24=) 32=-381(F=-376, B=-6) 33=-387(F=-379,	
		al) 4th Parallel: Lumber Increase=1.60, P			,	2 0)
Vert: 1-7=29						
Horz: 1-15=- Concentrated Loads						
					B) 21=-207(B) 22=-207(B) 23=-199(B) 24=) 32=-381(F=-376, B=-6) 33=-387(F=-379,	
36) Reversal: Dead + 0.6		al) 1st Parallel: Lumber Increase=1.60, P			, <u>52</u> =-501(1 =-576, <u>B</u> =-6) 55=-567(1 =-578,	B3)
Uniform Loads (plf) Vert: 1-7=8,	8-15=-20					
Horz: 1-15=2 Concentrated Loads						
Vert: 10=-36	Ġ́(F́) 14=-353(F) 2=-186(В) 1	6=-186(B) 17=-481(B) 18=-540 19=-540 2 366(F) 32=-366(F) 33=-373(F=-372, B=-1)		21=-186(E	B) 22=-186(B) 23=-184(B) 24=-353(F) 25=	-353(F) 26=-353(F)
37) Reversal: Dead + 0.6		(a) 2nd Parallel: Lumber Increase= 1.60 , F		se=1.60		
Uniform Loads (plf) Vert: 1-7=8,	8-15=-20					
Horz: 1-15=- Concentrated Loads						
Vert: 10=-36	Ġ́(F́) 14=-353(F) 2=-186(В) 1	6=-186(B) 17=-481(B) 18=-540 19=-540 2 366(F) 32=-366(F) 33=-373(F=-372, B=-1)		21=-186(B	B) 22=-186(B) 23=-184(B) 24=-353(F) 25=	-353(F) 26=-353(F)
38) Reversal: Dead + 0.7		VFRS Wind (Neg. Int) Left): Lumber Incre		Plate Incre	ease=1.60	
Uniform Loads (plf) Vert: 1-7=-29	9, 8-15=-20					
Horz: 1-15=2 Concentrated Loads						
Vert: 10=-55	2(F) 14=-539(F) 2=-197(B) 1	6=-197(B) 17=-492(B) 18=-540 19=-540 2				
B=-1)		539(F) 27=-539(F) 28=-539(F) 29=-552(F)	,			
39) Reversal: Dead + 0.7 Uniform Loads (plf)	75 Snow (bal.) + 0.75(0.6 M\	WFRS Wind (Neg. Int) Right): Lumber Inc	rease=1.60,	Plate Inc	rease=1.60	
Vert: 1-7=-29 Horz: 1-15=-						
Concentrated Loads	(lb)	6- 107/P) 17- 402/P) 19- 540 10- 540 1	20- 402/B) ·	01- 107/	R) 00- 407/R)	
23=-206(B) 2		6=-197(B) 17=-492(B) 18=-540 19=-540 2 539(F) 27=-539(F) 28=-539(F) 29=-552(F)				
B=-1) 40) Reversal: Dead + 0.3	75 Snow (bal.) + 0.75(0.6 M\	WFRS Wind (Neg. Int) 1st Parallel): Lumb	er Increase	=1.60, Pla	ate Increase=1.60	
Uniform Loads (plf) Vert: 1-7=-29	a 8-15=-20	(())				
Horz: 1-15=1	18, 7-8=6				With CAR	MILL
Concentrated Loads Vert: 10=-55	(ID) 2(F) 14=-539(F) 2=-197(B) 1	6=-197(B) 17=-492(B) 18=-540 19=-540 2	20=-492(B)	21=-197(B	B) 22=-197(B) (F) 33=-559(F=-558 ate Increase=1.60 SEAL 28147	IN SUL
23=-206(B) 2 B=-1)	24=-539(F) 25=-539(F) 26=-{	539(F) 27=-539(F) 28=-539(F) 29=-552(F)	31=-552(F)	32=-552	(F) 33=-559(F=-558,	
41) Reversal: Dead + 0.7 Uniform Loads (plf)	75 Snow (bal.) + 0.75(0.6 M)	WFRS Wind (Neg. Int) 2nd Parallel): Luml	per Increase	=1.60, PI	ate Increase=1.60	11111
Vert: 1-7=-29	9, 8-15=-20				28147	1
Horz: 1-15=-	o, /-o=-1o				A MONSER	1.
					ARK K MAOP	Alanna
					B) 22=-197(B) (F) 33=-559(F=-558 ate Increase=1.60 SEAL 28147 6/20/20	10.
					6/20/20	21

Job	Truss	Truss Type	Qty	Ply	LOT 1115 ANDERSON CREEK 215 S	SCHOLAR DRIVE SPRING LAKE, NC
0-4573-R01	R08	Flat Girder	1	2	Job Reference (optional)	# 27083
	I	1			6.430 S FED 12 2021 MITEK INDUSINES.	Inc. Sun Jun 20 21:32:53 2021 Page
			ID:tqpPyxTP?	WQINIKHGH	JPbYd8y4RP1-bkwe2ZDXutQOjjIn	Gm_wanGxz3ysaUCctLDc6nz4H
OAD CASE(S) Stan	dard					
Concentrated Loa						
		-197(B) 16=-197(B) 17=-492(B) 18=-540) 21=-197(8	B) 22=-197(B) 23=-206(B) 24=-{	539(F) 25=-539(F) 26=-539(F)
		(F) 31=-552(F) 32=-552(F) 33=-559(F=-			1.00	
		+ 0.75(0.6 MWFRS Wind (Neg. Int) Left)	: Lumber Increase=1.	.60, Plate I	ncrease=1.60	
Uniform Loads (pl	-29, 8-15=-20					
	-29, 8-1520 5=20, 7-8=7					
Concentrated Loa	-, -					
		-197(B) 16=-197(B) 17=-492(B) 18=-540) 19=-540 20=-492/B	21=-197/	B) 22=-197(B) 23=-206(B) 24=-4	539(E) 25=-539(E) 26=-539(E)
		(F) 31=-552(F) 32=-552(F) 33=-559(F=-		/2113/(1	D) 22137(D) 23200(D) 240	555(1) 25-555(1) 26-555(1)
		+ 0.75(0.6 MWFRS Wind (Neg. Int) Righ		1 60 Plate	Increase=1 60	
Uniform Loads (pl		oo(o.o)				
Vert: 1-7=	-29, 8-15=-20					
Horz: 1-1	5=-7, 7-8=-20					
Concentrated Loa	ds (lb)					
		-197(B) 16=-197(B) 17=-492(B) 18=-540) 21=-197(8	B) 22=-197(B) 23=-206(B) 24=-{	539(F) 25=-539(F) 26=-539(F
		(F) 31=-552(F) 32=-552(F) 33=-559(F=-				
		+ 0.75(0.6 MWFRS Wind (Neg. Int) 1st F	Parallel): Lumber Incre	ease=1.60	, Plate Increase=1.60	
Uniform Loads (pl						
	-29, 8-15=-20					
	5=18, 7-8=6					
Concentrated Loa		-197(B) 16=-197(B) 17=-492(B) 18=-540	10- E40 20- 402/P	01- 107/	R) 22- 107(R) 22- 206(R) 24- 4	
		(F) 31=-552(F) 32=-552(F) 33=-559(F=-) 21=-197(6	В) 22=-197(В) 23=-206(В) 24=-	539(F) 25=-539(F) 26=-539(F)
15) Reversal: Dead +	0 75 Roof Live (bal) +	+ 0.75(0.6 MWFRS Wind (Neg. Int) 2nd	Darallel): Lumber Inc	rease=1.60) Plate Increase=1.60	
Uniform Loads (pl		0.75(0.0 MWFR3 Wind (Neg. Int) 2nd	Faraller). Luttiber Inci	1ease-1.00	, Flate Increase - 1.00	
	-29, 8-15=-20					
	5=-6. 7-8=-18					
Concentrated Loa						
Vert: 10=-	552(F) 14=-539(F) 2=-	-197(B) 16=-197(B) 17=-492(B) 18=-540) 19=-540 20=-492(B)	21=-197(8	B) 22=-197(B) 23=-206(B) 24=-5	539(F) 25=-539(F) 26=-539(F
		(F) 31=-552(F) 32=-552(F) 33=-559(F=-			, , , , ,	
46) Reversal: Dead +	0.6 MWFRS Wind Mir	n. Left: Lumber Increase=1.60, Plate Inc	rease=1.60			
Uniform Loads (pl						
	-10, 8-15=-10					
Horz: 1-1						
Concentrated Loa				00- 404/		140(D) 04- 000(C- 044 D C
		4, B=-6) 2=-139(B) 16=-139(B) 17=-434				
		(F) 27=-314(F) 28=-314(F) 29=-326(F) 3 n. Right: Lumber Increase=1.60, Plate Ir		-э∠ю, в=-о) 3233 I(F=-320, B=-0) 33=-33	01 (F328, B=-9)
Uniform Loads (pl		i. Right. Lumber increase-1.00, Plate If	1010050-1.00			
	-10. 8-15=-10					
Horz: 7-8						
Concentrated Loa						
	ds (lb)					
	()	4, B=-6) 2=-139(B) 16=-139(B) 17=-434	1(B) 18=-540 19=-540) 20=-434(F	3) 21=-139(B) 22=-139(B) 23=-1	142(B) 24=-320(F=-314 B=-6



Job	Truss	Truss Type	Qty	Ply LOT 1115 ANDERSON CREE	EK 215 SCHOLAR DRIVE SPRING LAKE, NC
20-4573-R01	R09	MONOPITCH SUPPORTED	1	1 Job Reference (optional)	# 27083
		-0-10-8	ID:fqpPyxTP?w 10-1-10	8.430 s Feb 12 2021 MiTek Ir QMKHgHJPbYd8y4RP1-3wU0FuE9f	ndustries, Inc. Sun Jun 20 21:32:54 2021 Page BYFLtt_qUV9AupFGTRoMdal5?zAfDz4Ht
		- <u>0-10-8</u> 0-10-8	10-1-10		
				3x4 8	Scale = 1:52
		9.00 12	6 5 17 19	7 E	
		$\begin{array}{c} \mathbf{T} \\ $	ST3 ST4		
		15 14 13 3x4 3x4 =	12 11	10 9 3x4	
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/TF	2-0-0 CSI. 1.25 TC 0.20 1.25 BC 0.10 YES WB 0.22 Pl2014 Matrix-SH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) l/defl L/d 0.00 1 n/r 180 -0.00 1 n/r 80 -0.00 9 n/a n/a	PLATES GRIP MT20 244/190 Weight: 93 lb FT = 20%
LUMBER- TOP CHORD 2x4 SP No BOT CHORD 2x4 SP No WEBS 2x4 SP No OTHERS 2x4 SP No	5.3 5.3		BRACING- TOP CHORD BOT CHORD WEBS	end verticals. Rigid ceiling directly applied or 6 1 Row at midpt 8-9, 7-	10
REACTIONS. All beari	ngs 10-1-10.				izers and required cross bracing on, in accordance with Stabilizer
Max Grav	t All uplift 100 lb or less at	joint(s) 15, 9, 12, 14, 11, 10 except s at joint(s) 15, 9, 10 except 12=266	13=-385(LC 12) 6(LC 20), 13=301(I	_C 20), 14=392(LC 12),	
TOP CHORD 3-4=-474 BOT CHORD 14-15=-4	mp./Max. Ten All forces \$/208, 4-16=-366/148, 5-16 \$79/168, 13-14=-479/168 \$3/178, 3-13=-257/729	250 (Ib) or less except when shown. =-360/161			
NOTES- (13-16) 1) Wind: ASCE 7-16; Vul (envelope) gable end : for members and force 2) Truss designed for wi Gable End Details as 3) TCLL: ASCE 7-16; Pr- Cat B; Partially Exp.; (4) This truss has been de non-concurrent with of 5) All plates are 2x4 MT2 6) Gable requires continu 7) Truss to be fully sheat 8) Gable studs spaced a 9) This truss has been fit between the bottor 11) Provide mechanical of except (jt=lb) 13=385 12) This truss is designe	t=135mph (3-second gust) zone and C-C Corner(3E) - ss & MWFRS for reactions nd loads in the plane of the applicable, or consult quali =20.0 psf (roof LL: Lum DO Ce=1.0; Cs=1.00; Ct=1.10 seigned for greater of min r her live loads. 00 unless otherwise indicate ious bottom chord bearing, hed from one face or secur 2-0-0 oc. esigned for a 10.0 psf botto designed for a live load of n chord and any other men connection (by others) of tru- d in accordance with the 20	Vasd=107mph; TCDL=5.0psf; BCD 0-10-8 to 3-11-2, Exterior(2N) 3-11-2 shown; Lumber DOL=1.60 plate grip truss only. For studs exposed to w fied building designer as per ANSI/T L=1.25 Plate DOL=1.25); Pf=20.0 ps oof live load of 12.0 psf or 2.00 time ed. ely braced against lateral movemen m chord live load nonconcurrent wit 30.0psf on the bottom chord in all a bbers, with BCDL = 10.0psf. uss to bearing plate capable of withs 018 International Residential Code s	2 to 5-0-13, Corner DOL=1.60 ind (normal to the PI 1. sf (Lum DOL=1.15 s flat roof load of 2 t (i.e. diagonal well h any other live loa reas where a recta tanding 100 lb upl	r(3E) 5-0-13 to 9-11-14 zone;C-C face), see Standard Industry Plate DOL=1.15); ls=1.0; Rough 20.0 psf on overhangs	SEAL 28147 6/20/2021
standard ANSI/TPI 1					Man K. MORININ

Job	Truss	Truss Type	Qty	Ply	LOT 1115 ANDERSON CREEK 215 SCH	OLAR DRIVE SPRING LAKE, NC
20-4573-R01	R09	MONOPITCH SUPPORTED	1	1	Job Reference (optional)	# 27083
					8 430 s Eeb 12 2021 MiTek Industries Inc.	Sun Jun 20 21:32:54 2021 Page 2

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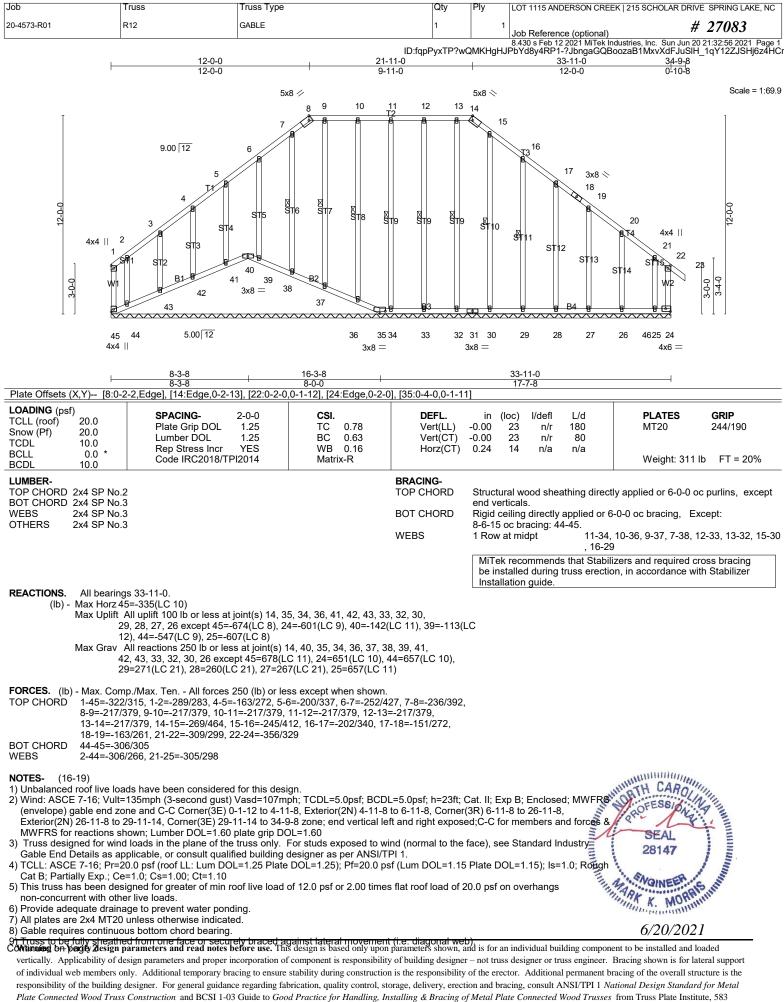
13) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
14) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

 15) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 16) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS

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

LOAD CASE(S) Standard





D'Onofrio Drive. Madison. WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 1115 ANDERSON CREEK 215 SCHOLAF	RIVE SPRING LAKE, NC
20-4573-R01	R12	GABLE	1	1	Job Reference (optional)	# 27083
						1 00 04 00 FT 0004 D

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NOTES- (16-19)
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10) Gable studs spaced at 2-0-0 oc.

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

12)* 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.

(jt=lb) 45=674, 24=601, 40=142, 39=113, 44=547, 25=607.

14) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 40, 36, 37, 38, 39, 41, 42, 43, 44.

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

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.

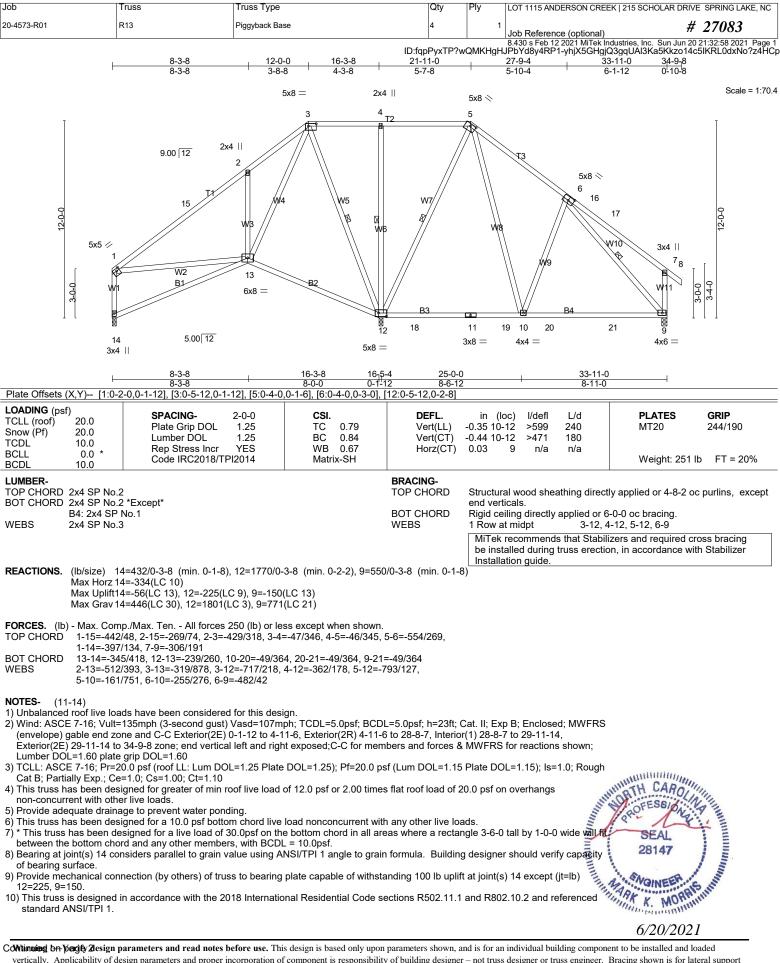
18) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing. 19) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS

OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



6/20/2021



Job	Truss	Truss Type	Qty	Ply	LOT 1115 ANDERSON CREEK 215 SCHOLAR DRIVE SPRING LAKE, NC
20-4573-R01	R13	Piggyback Base	4	1	Job Reference (optional) # 27083
					8.430 s Feb 12 2021 MiTek Industries, Inc. Sun Jun 20 21:32:58 2021 Page 2

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

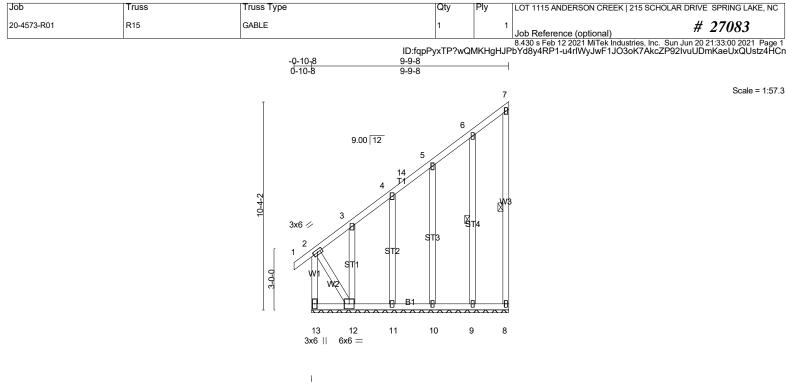
 13) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 14) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS

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

LOAD CASE(S) Standard



Job 20-4573-R01	Tru R1		uss Type ggyback Base	Qty 5	1	EK 215 SCHOLAR DRIVE SPRING LAKE, NO # 27083
				ID:fqpPyxTP?v	Job Reference (optional) 8.430 s Feb 12 2021 MiTek /QMKHgHJPbYd8y4RP1-QuHvlcIIU	Industries, Inc. Sun Jun 20 21:32:59 2021 Page BXReIxc15KtxWyWU1k1kVVFHgxKRz4H
			<u>8-3-8</u> 8-3-8	<u> </u>	<u>16-2-0</u> 4-2-0	
				5x6 =		Scale = 1:66
				330 —	3x4 T2	
		99 62 5x1	9.00 12 8 1 W W2	2x4 2 14 W3 6	W5 W6 E	
		3-0-0	W1 B1	6x8 =	3×4 ☆	
			7 5.00 3x4	12	0,44 <	
			<u>8-3-8</u> 8-3-8		2-0 0-8	
OADING (ps		<u>,0-1-12], [3:0-3-12,0-1-12]</u>				
TCLL (roof) Snow (Pf)	20.0	Plate Grip DOL 1		.87 DEFL. Vert(LL)	in (loc) l/defl L/d -0.15 6-7 >999 240	PLATES GRIP MT20 244/190
TCDL	10.0 0.0 *	Rep Stress Incr Y	ES WB 0		-0.31 6-7 >608 180 0.04 5 n/a n/a	
BCDL	10.0	Code IRC2018/TPI20	14 Matrix-S			Weight: 126 lb FT = 20%
	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3			BRACING- TOP CHORD BOT CHORD WEBS	Structural wood sheathing direct Rigid ceiling directly applied or 1 Row at midpt 4-5, 3	
						lizers and required cross bracing on, in accordance with Stabilizer
REACTIONS.		35/Mechanical, 7=635/Me	chanical		Installation guide.	
	Max Horz 7=3 Max Uplift5=-					
FORCES. (IL TOP CHORD BOT CHORD WEBS	1-8=-788/11 6-7=-428/25	/Max. Ten All forces 250 2, 2-8=-616/139, 2-3=-796) 2, 3-6=-551/931, 3-5=-547	/395, 1-7=-587/178	n shown.		
(envelope) for membe 2) TCLL: ASC Cat B; Part 3) Provide ad 4) This truss I 5) * This truss	E 7-16; Vult=13 gable end zone rs and forces & E 7-16; Pr=20. ially Exp.; Ce=1 equate drainagnas been design has been design	and C-C Exterior(2E) 0-1 MWFRS for reactions sho 0 psf (roof LL: Lum DOL= 0; Cs=1.00; Ct=1.10 to prevent water ponding ted for a 10.0 psf bottom of gned for a live load of 30.0	-12 to 4-11-6, Exterior(2 wn; Lumber DOL=1.60 .25 Plate DOL=1.25); F	R) 4-11-6 to 12-0-0, Exteri plate grip DOL=1.60 f=20.0 psf (Lum DOL=1.15 urrent with any other live lo	Cat. II; Exp B; Enclosed; MWFRS or(2E) 12-0-0 to 16-0-4 zone;C-C 5 Plate DOL=1.15); ls=1.0; Rough ads. ngle 3-6-0 tall by 1-0-0 wide will fi	
6) Refer to gir 7) Provide me	der(s) for truss chanical conne s designed in a	ccordance with the 2018 l	nternational Residential	Code sections R502.11.1	ft at joint(s) except (jt=lb) 5=247. and R802.10.2 and referenced ember. Symbol only indicates tha	THE CARO
	r must he brace	ed.	of a possible bearing c dicated.	ondition. Bearing symbols	are not considered in the	SEAL 28147
	winbols are only design of the tr ing shown is fo Restraining & I I-B3 SUMMAR' I BRACING RE I GUIDELINES, RATIONS.	ntation does not depict the ed. graphical representations uss to support the loads in lateral support of individu Bracing of Metal Plate Cor Y SHEET- PERMANENT I QUIREMENTS OF TOP C ALWAYS CONSULT THE ameters and read notes befor m parameters and proper incor	al web members only. F nected Wood Trusses f RESTRAING/BRACING HORD, BOTTOM CHOI PROJECT ARCHITEC	or additional bracing guide OF CHORDS & WEB MEI RD, AND WEB PLANES. T OR ENGINEER FOR AL	lines, including diagonal bracing. MBERS FOR RECOMMENDED N ADDITION TO THESE DDITIONAL BRACING	A ANOINEER G



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 1.25 Lumber DOL 1.25 Rep Stress Incr YES Code IRC2018/TPI2014	CSI. TC 0.19 BC 0.10 WB 0.31 Matrix-SH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) 0.00 1 -0.00 2 -0.00 8	l/defl n/r n/r n/a	L/d 180 80 n/a	PLATES MT20 Weight: 94 lb	GRIP 244/190 FT = 20%
LUMBER-			BRACING-					
TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.3			TOP CHORD	Structural w end verticals		athing direct	tly applied or 6-0-0 o	c purlins, except
WEBS 2x4 SP No.3			BOT CHORD				10-0-0 oc bracing, E	xcept:
OTHERS 2x4 SP No.3			WEBS	6-0-0 oc bra 1 Row at mi	0	-13. 7-8. 6-	0	
			WED3			-, -	-	
							lizers and required cr on, in accordance wit	
				Installation		iiuss electio	on, in accordance wi	III Stabilizel

REACTIONS. All bearings 9-9-8.

- TOP CHORD 2-13=-1034/430, 2-3=-517/231, 3-4=-419/182, 4-14=-293/108, 5-14=-282/130
- BOT CHORD 12-13=-584/225
- 2-12=-405/1051 WEBS

NOTES-(13-16)

- 1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-10-8 to 4-0-0, Exterior(2N) 4-0-0 to 4-10-2, Corner(3E) 4-10-2 to 9-7-12 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/TPI 1. 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough
- PROFESS; 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.
- 6) 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.

9) This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a summer areas where a summe

22<u>021</u> 6/20/2021

28147

VOINE K. MORP

⁽lb) - Max Horz 13=264(LC 12)

Max Uplift All uplift 100 lb or less at joint(s) 8, 11, 10, 9 except 13=-202(LC 10), 12=-490(LC 12)

Max Grav All reactions 250 lb or less at joint(s) 8 except 13=561(LC 12), 12=365(LC 20), 11=271(LC 20), 10=263(LC 20), 9=260(LC 20)

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

Job	Truss	Truss Type	Qty	Ply	LOT 1115 ANDERSON CREEK 215 SCHOL	AR DRIVE SPRING LAKE, NC
20-4573-R01	R15	GABLE	1	1	Job Reference (optional)	# 27083
					8 430 s Eeb 12 2021 MiTek Industries Inc. St	in Jun 20 21:33:00 2021 Page 2

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

15) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate

Connected Wood Trustees for additional bracing guidelines, including diagonal bracing. 16) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



ob 10-4573-R01	Truss R16	Truss Type Monopitch		Qty 5	1		EK 215 SCHOLAR DRIVE SPRING LAKE, NC # 27083
			0-10-8 4-10-12 D-10-8 4-10-12	ID:fqpPyxTP?wC	8. MKHgHJPbY 8	bb Reference (optional) 430 s Feb 12 2021 MiTek I d8y4RP1-u4rIWyJwF1J	ndustries, Inc. Sun Jun 20 23300 2021 Page IO3oK7AkcZP927KuMgmJdeUxQUstz4HC
			J-10-8 4-10-12	4-10-	2x4		Scale = 1:56.
			9.00 12 4x	4 % 3	4 5		
		3-0-0	x4 1 P W2 W1 8 9		76		
			3x8 =	9-9-8	5x5 =		
-OADING (psf)	SDACI			9-9-8	in (las)		PLATES GRIP
CLL (roof) 20.0 Snow (Pf) 20.0 CDL 10.0 SCLL 0.0 SCDL 10.0	* Rep St	Grip DOL 1.25	CSI. TC 0.87 BC 0.58 WB 0.37 Matrix-SH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) -0.39 7-8 -0.62 7-8 -0.00 7	8 >286 240 8 >181 180	PLATES GRIP MT20 244/190 Weight: 75 lb FT = 20%
UMBER- TOP CHORD 2x4 S BOT CHORD 2x4 S VEBS 2x4 S				BRACING- TOP CHORD BOT CHORD WEBS	end vertica	als. ng directly applied or <i>'</i>	tly applied or 6-0-0 oc purlins, except 10-0-0 oc bracing.
Max	Horz 8=267(LC 12)	ical, 8=439/0-3-8 (min. (D-1-8)			ed during truss erection	lizers and required cross bracing on, in accordance with Stabilizer
Max Max	Uplift7=-280(LC 12) Grav7=533(LC 20),	8=459(LC 3)					
TOP CHORD 2-8	k. Comp./Max. Ten.⊸ 291/250 306/359, 3-8=-329/	- All forces 250 (lb) or les	ss except when shown				
NOTES- (9-12) 1) Wind: ASCE 7-16 (envelope) gable vertical left expose 2) TCLL: ASCE 7-11 Cat B; Partially E: 3) This truss has be non-concurrent w 4) This truss has be 5) * This truss has be between the bott 6) Refer to girder(s)	; Vult=135mph (3-se end zone and C-C E ed;C-C for members ; Pr=20.0 psf (roof L tp.; Ce=1.0; Cs=1.00 en designed for great th other live loads. en designed for a 10 een designed for a 10 m chord and any oth for truss to truss cor	econd gust) Vasd=107m xterior(2E) -0-10-8 to 3- and forces & MWFRS f L: Lum DOL=1.25 Plate b; Ct=1.10 ter of min roof live load o .0 psf bottom chord live ve load of 30.0psf on the ner members, with BCDL inections.	11-2, Interior(1) 3-11-2 or reactions shown; Lu DOL=1.25); Pf=20.0 p of 12.0 psf or 2.00 time load nonconcurrent wit e bottom chord in all ar . = 10.0psf.	to 4-9-11, Exterior mber DOL=1.60 p sf (Lum DOL=1.15 is flat roof load of 2 ih any other live lo eas where a recta	(2E) 4-9-11 late grip DOI 5 Plate DOL= 20.0 psf on c ads. ngle 3-6-0 ta	to 9-9-8 zone; end L=1.60 :1.15); Is=1.0; Rough werhangs II by 1-0-0 wide will fit	
 Bearing symbols structural design Web bracing shi Installing, Restra SEE BCSI-B3 S MINIMUM BRAC MINIMUM GUID CONSUPERATION 	are only graphical r of the truss to supp wm is for lateral sup ining & Bracing of M JMMARY SHEET - F CING REQUIREMEN ELINES, ALWAYS (epresentations of a poss ort the loads indicated. port of individual web me letal Plate Connected W DERMANENT RESTRAII ITS OF TOP CHORD, Bi CONSULT THE PROJEC	sible bearing condition. embers only. Refer to E ood Trusses for addition NG/BRACING OF CHC OTTOM CHORD, AND OT ARCHITECT OR EN	Bearing symbols BCSI - Guide to Go onal bracing guide DRDS & WEB MEI WEB PLANES. I NGINEER FOR AL	are not cons ood Practice lines, includi MBERS FOR N ADDITION DDITIONAL E	idered in the for Handling, ng diagonal bracing. RECOMMENDED TO THESE BRACING	SEAL 28147 28147 6/20/2021 Tent to be installed and loaded Bracing shown is for lateral support oracing of the overall structure is the lational Design Standard for Metal
CONSIDERATIO	JNS.						

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.

	Truss R17	Truss Type Monopitch Girder	Qty 1	2	ANDERSON CREE	K 215 SCHOLAR DRIVE SPRING LAKE, NC # 27083
I		4-10-12	ID:fqpPyxTP?w 9-9-8 4-10-1	8.430 s Fe vQMKHgHJPbYd8y4F 3	b 12 2021 MiTek In	dustries, Inc. Sun Jun 20 21:33:01 2021 Page 1 RFhyvKkS7oyMbS2IjxVm5nib92OJz4HCr
		27701 3x6 ≠ 1 0	6	2x4 3 11 4 3 11 4 3 11 4 3 11 4 3 3 11 4 3 3 3 3 3 3 3 3		Scale = 1:60.6
		4-10-12 4-10-12	9-9-8 4-10-1			
Plate Offsets (X,Y) [5:0-3 LOADING (psf) [CLL (roof) 20.0 Snow (Pf) 20.0 [CDL 10.0 3CLL 0.0 * 3CDL 10.0	3-0,0-4-0] SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2018/TP	2-0-0 CSI. 1.25 TC 0.23 1.25 BC 0.52 NO WB 0.36 I2014 Matrix-SH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) l/de -0.02 4-5 >99 -0.04 4-5 >99 0.00 4 n/	9 240 9 180	PLATES GRIP MT20 244/190 Weight: 173 lb FT = 20%
Max Horz 6 ORCES. (lb) - Max. Com OP CHORD 1-2=-1124 OT CHORD 6-7=-262/	2 3 =1653/Mechanical, 6=156 =239(LC 10) np./Max. Ten All forces 2 1/0, 1-6=-1200/0	250 (lb) or less except when shown. 262/164, 5-9=0/840, 9-10=0/840, 10-	TOP CHORD BOT CHORD WEBS 11=0/840, 4-11=	end verticals. Rigid ceiling dire 1 Row at midpt	0	y applied or 6-0-0 oc purlins, except 0-0-0 oc bracing.
NOTES- (11-14) 1) 2-ply truss to be connect Top chords connected a Bottom chords connected Webs connected as foll 2) All loads are considered connections have been 3) Wind: ASCE 7-16; Vultz (envelope) gable end 2 4) TCLL: ASCE 7-16; Pr=2 Cat B; Partially Exp.; Ce 5) This truss has been des b) * This truss has b) * This truss has b) * This truss has b)	ted together with 10d (0.1 as follows: 2x4 - 1 row at 0 ed as follows: 2x6 - 2 rows ows: 2x4 - 1 row at 0-9-0 of d equally applied to all plie provided to distribute only =135mph (3-second gust) one; end vertical left expose 20.0 psf (roof LL: Lum DOI =1.0; Cs=1.00; Ct=1.10 signed for a 10.0 psf bottol esigned for a live load of 3 ord and any other member	31"x3") nails as follows: -9-0 oc. s staggered at 0-9-0 oc. oc. s, except if noted as front (F) or back loads noted as (F) or (B), unless oth Vasd=107mph; TCDL=5.0psf; BCDL sed; Lumber DOL=1.60 plate grip DC _=1.25 Plate DOL=1.25); Pf=20.0 ps m chord live load nonconcurrent with 0.0psf on the bottom chord in all are	nerwise indicated =5.0psf; h=23ft; 5L=1.60 f (Lum DOL=1.1! n any other live lo nas where a recta	d. Cat. II; Exp B; Encl 5 Plate DOL=1.15); pads. ingle 3-6-0 tall by 1-	osed; MWFRS Is=1.0; Rough 0-0 wide will fit	SEAL 28147

D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 1115 ANDERSON CREEK 215 SCHOLAR DRIVE SPRING LAKE	NC
20-4573-R01	R17	Monopitch Girder	1	2	Job Reference (optional) # 27083	

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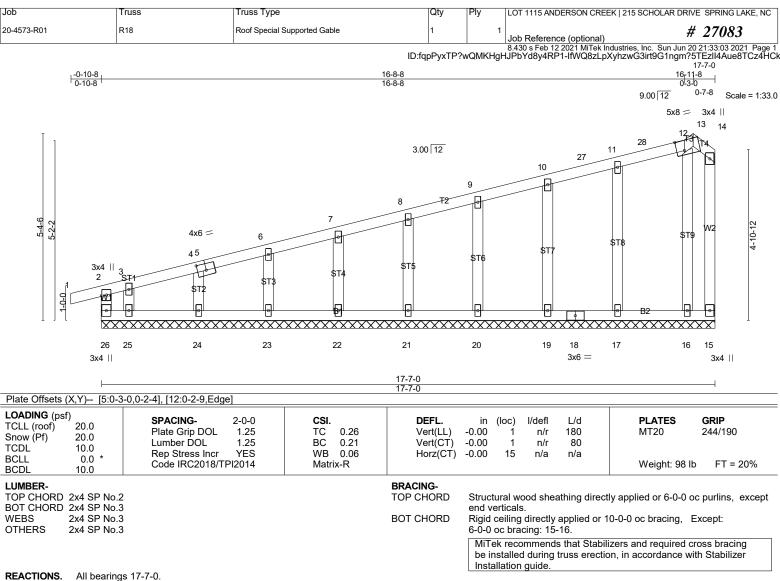
LOAD CASE(S) Standard

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

Vert: 1-3=-60, 4-6=-20 Concentrated Loads (Ib)

Vert: 7=-615(B) / 8=-615(B) 9=-615(B) 11=-615(B)





- All bearings 17-7-0 (lb) - Max Horz 26=157(LC 14)
 - Max Uplift All uplift 100 lb or less at joint(s) 15, 21, 22, 23, 24, 20, 19, 17, 16 except 25=-222(LC 14) Max Grav All reactions 250 lb or less at joint(s) 26, 15, 21, 22, 23, 24, 25, 20, 19, 16 except 17=259(LC 36)

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

NOTES-(15-18)

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-10-8 to 3-11-2, Exterior(2N) 3-11-2 to 16-8-8, Corner(3R) 16-8-8 to 16-11-8, Corner(3E) 16-11-8 to 17-5-4 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=1.25 Plate DOL=1.25); 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
- 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.
- 7) All plates are 2x4 MT20 unless otherwise indicated.
- 8) Gable requires continuous bottom chord bearing.
- 9) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 10) Gable studs spaced at 2-0-0 oc.
- 11) 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 12) fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 13) Provide mechanical connection (by others) of truss to bearing plate capable of windstanding to a section of truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced in the content of the content

Job	Truss	Truss Type	Qty	Ply	LOT 1115 ANDERSON CREEK 215 SCHOLAR DRIVE SPRING LAKE, NC
20-4573-R01	R18	Roof Special Supported Gable	1	1	Job Reference (optional) # 27083
					8,430 s Feb 12 2021 MiTek Industries, Inc. Sun Jun 20 21:33:03 2021 Page 2

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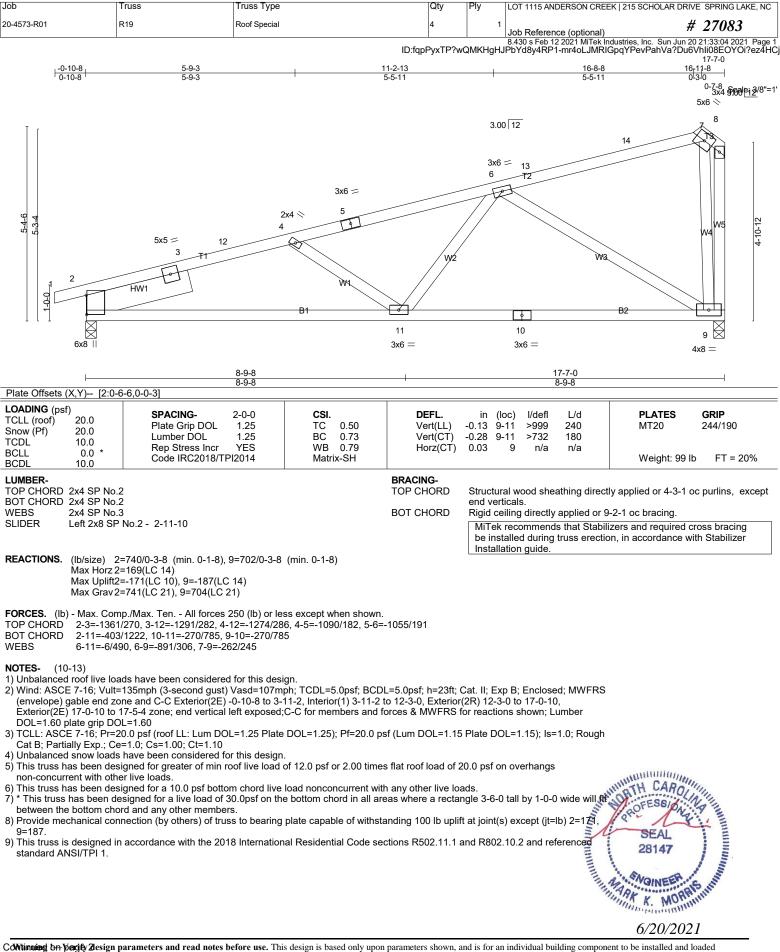
15) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
16) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

 Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS

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

LOAD CASE(S) Standard





Job	Truss	Truss Type	Qty	Ply	LOT 1115 ANDERSON CREEK 215 SCHOLAR DRIVE SPRING LAKE, NC
20-4573-R01	R19	Roof Special	4	1	Job Reference (optional) # 27083
					8.430 s Feb 12 2021 MiTek Industries, Inc. Sun Jun 20 21:33:04 2021 Page 2

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Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

 Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS

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

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	LOT 1115 AN	DERSON CREE	K 215 SCHOLAR DRIVE SPRING LAKE, NC
20-4573-R01	VT01	GABLE	1		1 Job Referen	ce (optional)	# 27083
				MKHgH	8.430 s Feb 1	2 2021 MiTek Ind	dustries, Inc. Sun Jun 20 21:33:05 2021 Page h9ZD5zICk6Cm9xvB4RdBNdC7FX5z4H
		<u>2-2-15</u> 2-2-15	9-0-8 6-9-10				
		4x4 =					Scale = 1:74
			2 55 ST3 97 902 W3	x6 ∖\	2-10-15		
OADING (psf) CLL (roof) 20.0	SPACING-	2-0-0 CSI .	0-8 0-8 DEFL.	in	(loc) l/defl	L/d	PLATES GRIP
ICLL (1007) 20.0 Snow (Pf) 20.0 ICDL 10.0 SCLL 0.0 * SCDL 10.0	Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2018/TP	1.25 TC 0.11 1.25 BC 0.12 YES WB 0.16 I2014 Matrix-SH	Vert(LL) Vert(CT) Horz(CT)	n/a n/a 0.00	- n/a - n/a 7 n/a	999 999 n/a	MT20 244/190 Weight: 103 lb FT = 20%
LUMBER- FOP CHORD 2x4 SP No.	2		BRACING- TOP CHORD	Struc	tural wood she	athing directl	y applied or 6-0-0 oc purlins, except
OT CHORD 2x4 SP No. VEBS 2x4 SP No.	3		BOT CHORD	end v	erticals.	0)-0-0 oc bracing.
THERS 2x4 SP No.			WEBS	1 Rov	w at midpt	1-12, 2-	-11, 3-10
							zers and required cross bracing n, in accordance with Stabilizer
REACTIONS. All bearing				Inst	allation guide.		
	All uplift 100 lb or less at j	oint(s) 12, 7, 11 except 10=-189(LC					
	All reactions 250 lb or less 3=531(LC 13)	s at joint(s) 12, 7 except 11=309(LC	21), 10=315(LC 2	0), 9=4	464(LC 20),		
ORCES. (Ib) - Max. Con	np./Max. Ten All forces 2	250 (Ib) or less except when shown.					
OP CHORD 4-5=-320/ OT CHORD 11-12=-20	236 06/281, 10-11=-206/281, 9	-10=-206/281					
	340, 5-9=-399/541						
IOTES- (13-16)) Unbalanced roof live loa	ads have been considered	for this design.					
) Wind: ASCE 7-16; Vult=	=135mph (3-second gust)	Vasd=107mph; TCDL=5.0psf; BCD -1-12 to 2-2-15, Corner(3R) 2-2-15					
for members and forces	& MWFRS for reactions s	shown; Lumber DOL=1.60 plate grip truss only. For studs exposed to w	DOL=1.60	,			
Gable End Details as a) TCLL: ASCE 7-16; Pr=2	oplicable, or consult qualifi 20.0 psf (roof LL: Lum DOI	ed building designer as per ANSI/T _=1.25 Plate DOL=1.25); Pf=20.0 ps	PI 1. sf (Lum DOL=1.15	Plate I	DOL=1.15); ls=	1.0; Rough	
Cat B; Partially Exp.; Ce All plates are 2x4 MT20	e=1.0; Cs=1.00; Ct=1.10) unless otherwise indicate	d.	Υ.		,,	, U	and
) Gable requires continuc) Truss to be fully sheath	ous bottom chord bearing. ed from one face or secure	ely braced against lateral movemen	t (i.e. diagonal wel)).		anthis anthis	TH CAROLINI
) Gable studs spaced at 2) This truss has been des	2-0-0 oc. signed for a 10.0 psf bottor	n chord live load nonconcurrent wit	h any other live loa	ads.		inn	of the way in
 This truss has been of fit between the bottom 	designed for a live load of chord and any other mem	30.0psf on the bottom chord in all a bers, with BCDL = 10.0psf.	reas where a recta	angle 3	-6-0 tall by 1-0-	-0 wide will	SEAL E
1) Provide mechanical co (jt=lb) 10=189, 9=622,	nnection (by others) of tru 8=275.	ss to bearing plate capable of withs	standing 100 lb upl	ift at joi	int(s) 12, 7, 11	except	2014/
 This truss is designed standard ANSI/TPI 1. 	in accordance with the 20	d. ely braced against lateral movemen n chord live load nonconcurrent wit 30.0psf on the bottom chord in all a bers, with BCDL = 10.0psf. ss to bearing plate capable of withs 18 International Residential Code s efore use. This design is based only upon	ections R502.11.1	and R	802.10.2 and re	eferenced	794 K. MORREN
							6/20/2021
Witinning on Vercify Zlesign	narameters and read notes b	efore use. This design is based only upon	parameters shown a	nd is for	r an individual bu	ilding compone	nt to be installed and loaded

Job	Truss	Truss Type	Qty	Ply	LOT 1115 ANDERSON CREEK 215 SCH	OLAR DRIVE SPRING LAKE, NC
20-4573-R01	VT01	GABLE	1	1	Job Reference (optional)	# 27083
					8 430 s Feb 12 2021 MiTek Industries Inc.	Sun Jun 20 21:33:05 2021 Page 2

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

15) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate

Connected Wood Trustees for additional bracing guidelines, including diagonal bracing. 16) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



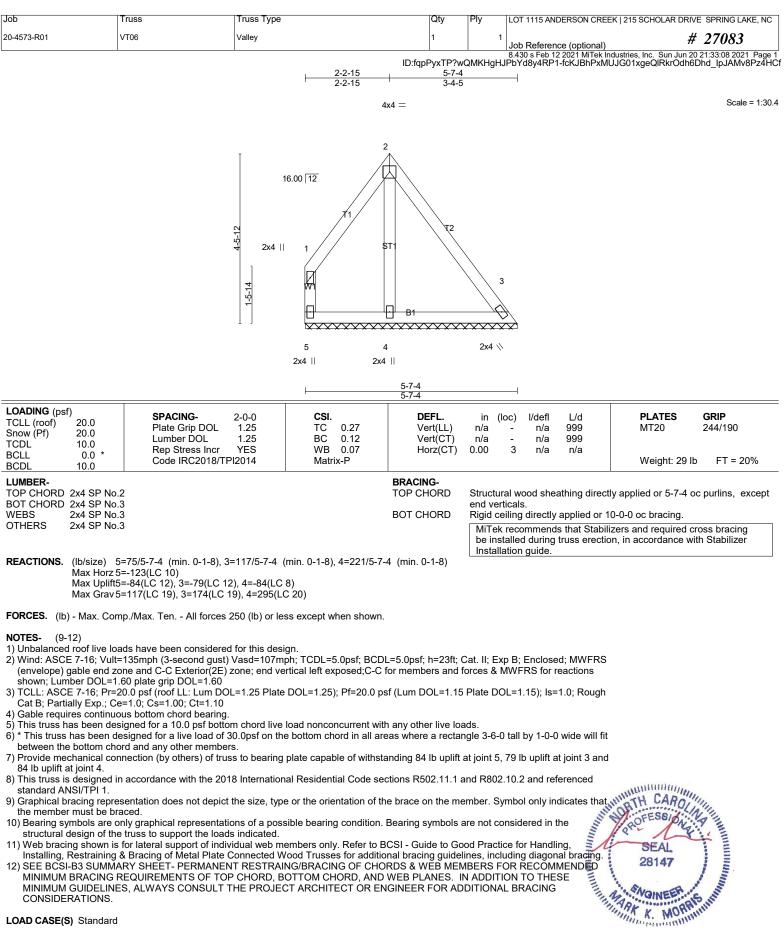
Job 20-4573-R01	Truss VT02	Truss Type Valley		Qty 1	Ply 1	LOT 1115 A	NDERSON CREE	K 215 SCHOLAR D	RIVE SPRING LAKE, NC # 27083
			2-2-15	ID:fqpPyxTP?wC 10-1-3	IMKHgHJF	8.430 s Feb	ence (optional) 12 2021 MiTek In 1-E1eAZfN33Z	dustries, Inc. Sun Jur kh9ZD5zICk6Cm?`	20 21:33:05 2021 Page 1 /v8xRcTNdC7FX5z4HCi
			2-2-15 4x4 =	7-10-5					Scale: 3/16"=1'
		16.00 12 2x4 7 5 5 7 7 5 7 7 7 7 7 7 7 7 7 7 7 7 7	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	T2 2x4 B ST2 B1 B 5 2x4	4	ν.			
	1		ļ	10-1-3 10-1-3					
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/TF	2-0-0 1.25 1.25 YES Pl2014	CSI. TC 0.71 BC 0.32 WB 0.21 Matrix-SH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (lo n/a n/a 0.00	c) l/defl - n/a - n/a 4 n/a	999 999	PLATES MT20 Weight: 72	GRIP 244/190 2 lb FT = 20%
LUMBER- TOP CHORD 2x4 SP No BOT CHORD 2x4 SP No WEBS 2x4 SP No OTHERS 2x4 SP No	9.3 9.3			BRACING- TOP CHORD BOT CHORD WEBS	end vert Rigid ce 1 Row a MiTek be inst	cals. ling directl midpt recommen	ly applied or 1 2-6 Ids that Stabili g truss erectio	y applied or 6-0-0 0-0-0 oc bracing. zers and required n, in accordance	
(lb) - Max Horz Max Uplift	ngs 10-1-3. 7=-348(LC 8) All uplift 100 lb or less at All reactions 250 lb or les				; 10), 5=-3	95(LC 13)			
TOP CHORD 1-7=-284 BOT CHORD 6-7=-226	mp./Max. Ten All forces /282, 1-2=-299/321, 2-3=- /289, 5-6=-226/289, 4-5=- /348, 3-5=-488/417	311/259, 3-4=-420							
 Wind: ASCE 7-16; Vult (envelope) gable end z vertical left exposed;C- TCLL: ASCE 7-16; Pr= Cat B; Partially Exp.; C Gable requires continu This truss has been de * This truss has been de * Standard ANSI/TP1 1. * Graphical bracing reproduces the member must be be * This truss has been de * This	esentation does not depict	Vasd=107mph; TU 0-1-12 to 2-2-15, E & MWFRS for rea L=1.25 Plate DOL m chord live load 30.0psf on the bott rs, with BCDL = 10 ss to bearing plate 18 International Re the size, type or th ons of a possible I s indicated. <i>i</i> dual web membe Connected Wood NT RESTRAING/B P CHORD, BOTTO FHE PROJECT AF	Exterior(2R) 2-2-15 actions shown; Lur =1.25); Pf=20.0 ps nonconcurrent with om chord in all are 0.0psf. capable of withsta sidential Code sec ne orientation of th pearing condition. rs only. Refer to B Frusses for additio RACING OF CHO DM CHORD, AND RCHITECT OR EN	to 5-0-2, Exterior nber DOL=1.60 pl of (Lum DOL=1.15 an any other live loa eas where a rectar anding 134 lb upliff ctions R502.11.1 a e brace on the me Bearing symbols a CSI - Guide to Go nal bracing guidel RDS & WEB MEN WEB PLANES. II GINEER FOR AD	(2E) 5-0-2 ate grip D Plate DO ds. gle 3-6-0 at joint 7 nd R802. mber. Syi are not co od Practic nes, inclu BBERS F(0 ADDITIONAL	to 9-9-11 DL=1.60 L=1.15); Is tall by 1-0 203 lb up 10.2 and ru mbol only i nsidered in e for Hanc ding diago DR RECON DN TO TH BRACING	zone; end =1.0; Rough -0 wide will fit lift at joint 4, eferenced ndicates that h the lling, mal bracing MENDED ESE G	28147	ALS

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.

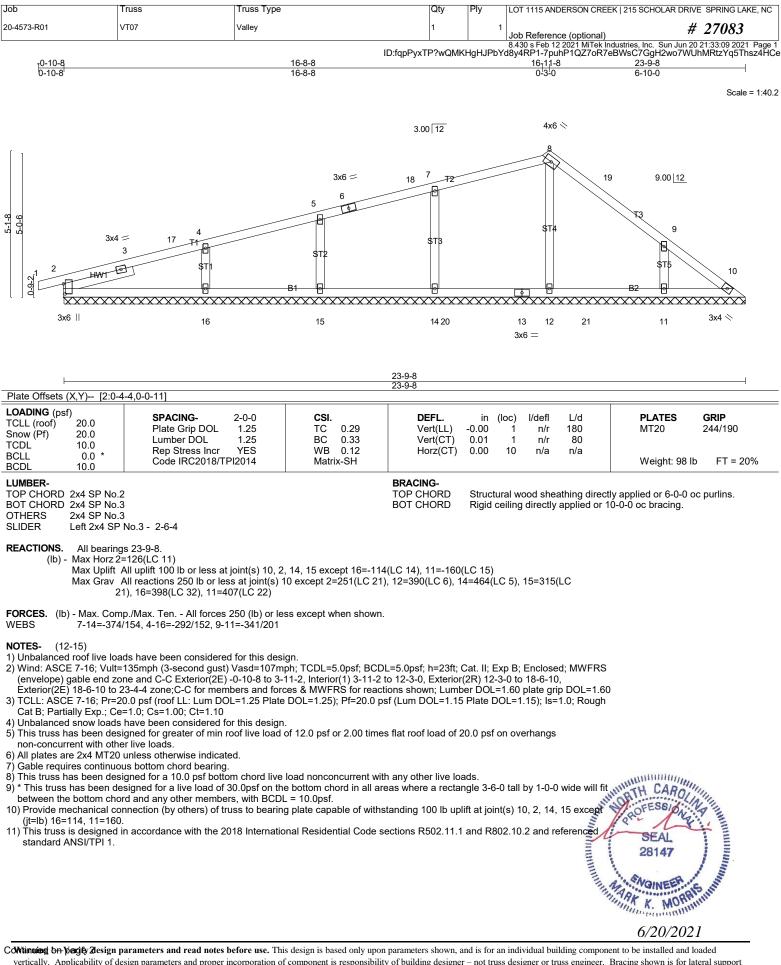
Job	Truss	Truss Type	Qty	Ply	LOT 1115 ANDERSON CR	EEK 215 SCHOLAR DRIVE	SPRING LAKE, NC
0-4573-R01	VT03	Valley	1	1	Job Reference (optional	1)	27083
		2-2-15	ID:fqpPyxTP?v 8-11-12	vQMKHgH	8.430 s Feb 12 2021 MiTek IJPbYd8y4RP1-jECZm?N	Industries, Inc. Sun Jun 20 2 Ihqt3YnjoHX?jzfQIBFJUC	1:33:06 2021 Page 952Wsstp4Xz4H
		2-2-15	6-8-13				
		4x4 =					Scale = 1:56
		T					
		2x4 1					
				2x4			
		5-11-14 {	B 3				
		ы́.	ST2				
				4			
		7 6 2x4 2x4	8 5 2x4	2x4	1 🛝		
		 	8-11-12 8-11-12				
LOADING (psf)	SPACING-	2-0-0 CSI .	DEFL.	in (I	oc) I/defl L/d	PLATES	GRIP
CLL (roof) 20.0 Snow (Pf) 20.0	Plate Grip DOL Lumber DOL	1.25 TC 0.65 1.25 BC 0.32	Vert(LL) Vert(CT)	n/a n/a	- n/a 999 - n/a 999	-	244/190
CDL 10.0 BCLL 0.0 *	Rep Stress Incr Code IRC2018/TF	YES WB 0.12	Horz(CT)	0.00	4 n/a n/a	Weight: 61 lb	FT = 20%
3CDL 10.0 LUMBER-			BRACING-				
FOP CHORD 2x4 SP No 30T CHORD 2x4 SP No	o.3		TOP CHORD	end ver	ticals.	ctly applied or 6-0-0 oc	purlins, except
WEBS 2x4 SP No OTHERS 2x4 SP No			BOT CHORD WEBS	Rigid ce 1 Row a	eiling directly applied or at midpt 2-6	10-0-0 oc bracing.	
						bilizers and required cro tion, in accordance with	
	ngs 8-11-12.			Install	ation guide.		
	t All uplift 100 lb or less at	joint(s) except 7=-126(LC 9), 4=-2					
		s at joint(s) 7 except 4=305(LC 8)		09(LC 20)		
TOP CHORD 1-7=-252	5/275, 3-5=-482/409	250 (lb) or less except when show 281/228, 3-4=-384/334	n.				
NOTES- (9-12)	5/275, 5-5462/409						
1) Unbalanced roof live le	oads have been considered It=135mph (3-second gust)	l for this design. Vasd=107mph; TCDL=5.0psf; BC	DI =5 0nsf: h=23ft: (Cat II: Ex	n B. Enclosed: MWER	8	
(envelope) gable end	zone and C-C Exterior(2E)	0-1-12 to 2-2-15, Exterior(2R) 2-2- rces & MWFRS for reactions show	15 to 3-10-10, Exter	ior(2É) 3-	10-10 to 8-8-4 zone;	-	
3) TCLL: ASCE 7-16; Pr=		L=1.25 Plate DOL=1.25); Pf=20.0				h	
 Gable requires continu 	uous bottom chord bearing.	m chord live load nonconcurrent w	<i>i</i> ith any other live loa	ads.			
between the bottom ch	nord and any other member			•) tall by 1-0-0 wide will f	fit	
204 lb uplift at joint 6 a	and 372 lb uplift at joint 5.	ss to bearing plate capable of with		-	7, 207 lb uplift at joint 4,	WATH CARD,	<i>b.</i>
 This truss is designed standard ANSI/TPI 1. 	in accordance with the 201	8 International Residential Code s	sections R502.11.1 a	and R802	.10.2 and referenced	AT PROFESSION	all man
 Graphical bracing repr the member must be b 	resentation does not depict praced.	the size, type or the orientation of	the brace on the me	ember. Sy	mbol only indicates the	SEAL	111111
structural design of the	ne truss to support the load	ons of a possible bearing condition s indicated.	DCCL Cuide to Co	are not co		28147	
Installing, Restraining	g & Bracing of Metal Plate (Connected Wood Trusses for addi	tional bracing guide	ines, incl	uding diagonal bracing	A MOINEER	unu
		8 International Residential Code s the size, type or the orientation of ons of a possible bearing condition s indicated. ridual web members only. Refer to Connected Wood Trusses for addi IT RESTRAING/BRACING OF CH P CHORD, BOTTOM CHORD, AN THE PROJECT ARCHITECT OR B Defore use. This design is based only up neorporation of component is responsibility	D WEB PLANES. I		ON TO THESE	ARK K. MORAL	Int.
CONSIDERATIONS.	LO, ALVIA IO CONSULT	THE I NOJECT ANOTHECT UNI				6/20/2021	
OAD CASE(S) Standar	d					0/20/2021	

Job	Truss	Truss Type	Qty	Ply LO	T 1115 ANDERSON CREE	EK 215 SCHOLAR DRIVE SPRING LAKE, NC
20-4573-R01	VT04	Valley	1	1	b Reference (optional)	# 27083
			ID:fqpPyxTP?wQV	8.4	30 s Feb 12 2021 MiTek Ind	dustries, Inc. Sun Jun 20 21:33:07 2021 Page 1 3PPtMU4jECBdrRNiqEuVJg5WcMczz4HCg
		2-2-15	<u> </u>			, , , , , , , , , , , , , , , , , , , ,
		4x4 =	_			Scale: 1/4"=1'
			-			
		16.00 12 ²				
			\mathbf{X}			
		71				
		2x4 1				
		±12 12	V 2			
		ST1				
		5-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7		2x4 ∥		
		4	li l	A A		
			S	T2 4		
			B1[
		7 _{2x4} 6 _{2x4}	LII 8 ^{3x6} 5	5 2x4 ∖\		
		 	7-10-4 7-10-4			
LOADING (psf)	SPACING-	2-0-0 CSI .	DEFL.	in (loc)	l/defl L/d	PLATES GRIP
TCLL (roof) 20.0 Snow (Pf) 20.0	Plate Grip DOL Lumber DOL	1.25 TC 0.37 1.25 BC 0.27	Vert(LL) Vert(CT)	n/a - n/a -	n/a 999 n/a 999	MT20 244/190
TCDL 10.0 BCLL 0.0	* Rep Stress Incr	YES WB 0.25	Horz(CT)	0.00 4	n/a n/a	
BCDL 10.0	Code IRC2018/T	PI2014 Matrix-P				Weight: 50 lb FT = 20%
LUMBER- TOP CHORD 2x4 SP	' No.2		BRACING- TOP CHORD	Structural v	vood sheathing directl	ly applied or 6-0-0 oc purlins, except
BOT CHORD 2x4 SP WEBS 2x4 SP			BOT CHORD	end vertical Rigid ceiling	ls. g directly applied or 10	0-0-0 oc bracing.
OTHERS 2x4 SP				MiTek rec	commends that Stabilize	zers and required cross bracing
				be installe Installation		on, in accordance with Stabilizer
	earings 7-10-4. orz 7=-236(LC 8)					
ົ໌ Max U	plift All uplift 100 lb or less a	at joint(s) except 7=-106(LC 9), 4=-25 ess at joint(s) 7 except 4=293(LC 8),			3(LC 13)	
		s 250 (lb) or less except when shown				
TOP CHORD 2-3=-	253/202, 3-4=-356/322		1.			
	265/222, 3-5=-489/408					
NOTES- (9-12) 1) Unbalanced roof liv	e loads have been considere	ed for this design.				
		t) Vasd=107mph; TCDL=5.0psf; BCE) 0-1-12 to 2-2-15, Exterior(2R) 2-2-1				
vertical left exposed	d;C-C for members and force	s & MWFRS for reactions shown; Lu	umber DOL=1.60 pl	late grip DOL	=1.60	
Cat B; Partially Exp	o.; Ce=1.0; Cs=1.00; Ct=1.10		DSI (LUIII DOL-1.15	Plate DOL-	1.15), IS-1.0, Rough	
	tinuous bottom chord bearing n designed for a 10.0 psf bott	g. tom chord live load nonconcurrent wi	ith any other live loa	ads.		
	en designed for a live load of n chord and any other memb	f 30.0psf on the bottom chord in all a ers. with BCDL = 10.0psf.	reas where a rectar	ngle 3-6-0 tall	i by 1-0-0 wide will fit	
7) Provide mechanica	l connection (by others) of true 6 and 373 lb unlift at joint 5	uss to bearing plate capable of withs	tanding 106 lb uplif	t at joint 7, 25	57 lb uplift at joint 4,	
8) This truss is design	ied in accordance with the 20)18 International Residential Code se	ections R502.11.1 a	and R802.10.	2 and referenced	WINDTH CAROLINI
9) Graphical bracing r	epresentation does not depic	t the size, type or the orientation of t	the brace on the me	ember. Symb	ol only indicates that	ROFESSION
the member must b 10) Bearing symbols a	e praced. are only graphical represente	tions of a possible bearing condition	Bearing symbols a	are not consi	dered in the	SEAL
structural design of 11) Web bracing show	of the truss to support the loa vn is for lateral support of inc	ds indicated. lividual web members only. Refer to	BCSI - Guide to Go	od Practice f	or Handling.	28147
Installing, Restrair	ing & Bracing of Metal Plate	uss to bearing plate capable of withs 018 International Residential Code se of the size, type or the orientation of t tions of a possible bearing condition ids indicated. lividual web members only. Refer to l c Connected Wood Trusses for additi ENT RESTRAING/BRACING OF CHC		ines, includir	ig diagonal bracing.	
MINIMUM BRACI	NG REQUIREMENTS OF TO)P CHORD, BOTTOM CHORD, ANI) WEB PLANES. II	N ADDITION	TO THESE	A NOINEER SUIN
MINIMUM GUIDE	LINES, ALWAYS CONSULT	the size, type or the orientation of t tions of a possible bearing condition ids indicated. ividual web members only. Refer to le connected Wood Trusses for additi NT RESTRAING/BRACING OF CHU OP CHORD, BOTTOM CHORD, AND THE PROJECT ARCHITECT OR E	NGINEER FOR AD	UTIONAL B	RACING	Man K. MOrnan
LOAD CASE(S) Stan	dard					6/20/2021
						0/20/2021

Job	Т	russ	Truss Type		Qty	Ply	LOT 1115 ANI	DERSON CREEP	(215 SCHOLAR DRIV	E SPRING LAKE, NC
20-4573-R01	v	/T05	Valley		1	1	Job Referen	ce (optional)	#	27083
			1	2.2.15		KHgHJPb\	8.430 s Feb 12 (d8y4RP1-B	2 2021 MiTek Ind Qmx_LOJbBBF	ustries, Inc. Sun Jun 20 PPtMU4jECBdrO1irgu	21:33:07 2021 Page 1 JWZg5WcMczz4HCc
				2-2-15 2-2-15	<u>6-8-12</u> 4-5-13					
				4x4 =	=					Scale = 1:40.3
			16.00		`					
				T 1						
			2x4 2+ 1+ 2- 2- 2- 2- 2- 2- 2- 2- 2- 2- 2- 2- 2-	1	72					
			5- 1-	Ø \$T1						
			2-11-14	W1						
			5			3				
					B1					
				5 6 4	7	2x4 \	1			
				2x4 2x4						
					6-8-12 6-8-12					
LOADING (psf TCLL (roof)) 20.0	SPACING- Plate Grip DOL	2-0-0 1.25	CSI. TC 0.52	DEFL. Vert(LL)	in (lo	c) l/defl - n/a	L/d 999	PLATES MT20	GRIP 244/190
Snow (Pf) TCDL	20.0 10.0	Lumber DOL Rep Stress Incr	1.25 1.25 YES	BC 0.24 WB 0.17	Vert(CT) Horz(CT)	n/a n/a 0.00	- n/a - n/a 3 n/a	999 999 n/a	WIT20	244/190
BCLL BCDL	0.0 * 10.0	Code IRC2018/TF		Matrix-P	1012(01)	0.00	5 11/a	174	Weight: 38 lb	FT = 20%
LUMBER- TOP CHORD	2x4 SP No.2				BRACING- TOP CHORD	Structura	al wood she	athing directly	applied or 6-8-12 of	oc purlins, except
	2x4 SP No.3	1			BOT CHORD	end verti Rigid cei		applied or 10	-0-0 oc bracing.	
OTHERS	2x4 SP No.3	i							ers and required cr n, in accordance wit	
REACTIONS.		=68/6-8-12 (min. 0-1-8),	3=160/6-8-12 (n	nin. 0-1-8), 4=275/6-	-8-12 (min. 0-1-8)	Installa	tion guide.			
		=-88(LC 9), 3=-89(LC 9),								
FORCES (II)		=137(LC 19), 3=238(LC 1		,						
WEBS	2-4=-290/1	p./Max. Ten All forces 2 77	250 (ID) or less e	xcept when shown.						
NOTES- (9-7		ds have been considered	for this design							
2) Wind: ASCE	E 7-16; Vult=	135mph (3-second gust) ne and C-C Exterior(2E)	Vasd=107mph;							
		60 plate grip DOL=1.60 0.0 psf (roof LL: Lum DO	L=1.25 Plate DO	L=1.25); Pf=20.0 ps	sf (Lum DOL=1.15	Plate DOI	L=1.15); ls=	1.0; Rough		
4) Gable requir	res continuou	=1.0; Cs=1.00; Ct=1.10 us bottom chord bearing.								
6) * This truss	has been de	gned for a 10.0 psf botto signed for a live load of 3	0.0psf on the bo	ttom chord in all are			tall by 1-0-0) wide will fit		
7) Provide med	chanical conr	rd and any other member nection (by others) of trus	s to bearing plat	e capable of withsta						
8) This truss is standard AN	designed in	accordance with the 201	8 International F	esidential Code sec	ctions R502.11.1 a	nd R802.′	10.2 and ref	erenced	WINTH CARO	1.
9) Graphical br the member	racing repres	accordance with the 201 entation does not depict ced. Ily graphical representation truss to support the load for lateral support of indiv Bracing of Metal Plate (RY SHEET- PERMANEN COURCEMENTS OF TO	the size, type or	the orientation of th	e brace on the me	mber. Syr	mbol only in	dicates that	OFESSION	Alle
10) Bearing sy structural c	mbols are on lesign of the	ly graphical representation truss to support the loads	ons of a possible s indicated.	bearing condition.	Bearing symbols a	re not cor	nsidered in t	he	SFAL	
11) Web bracir Installing, F	ng shown is f Restraining &	or lateral support of indiv Bracing of Metal Plate (idual web memb Connected Wood	ers only. Refer to B Trusses for additio	CSI - Guide to Go nal bracing guidel	od Practic nes, inclu	e for Handli ding diagon	ng, al bracing.	28147	
	BRACING R	EQUINEIVIENTS OF TOP	CHORD, BUT I	OW CHORD, AND	WED FLANES. II			MENDED SE	NOWSER	mm
		S, ALWAYS CONSULT T	HE PROJECT A	ARCHILECT OR EN	IGINEER FOR AD	DITIONAL	. BRACING	(Intri	SEAL 28147	, mints
LOAD CASE(S) Standard								6/20/202	1
									0/20/2021	1



6/20/2021



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.

Job	Truss	Truss Type	Qty	Ply	LOT 1115 ANDERSON CREEK 215 SCH	OLAR DRIVE SPRING LAKE, NC
20-4573-R01	VT07	Valley	1	1	Job Reference (optional)	# 27083
					8 430 s Feb 12 2021 MiTek Industries Inc.	Sun Jun 20 21:33:09 2021 Page 2

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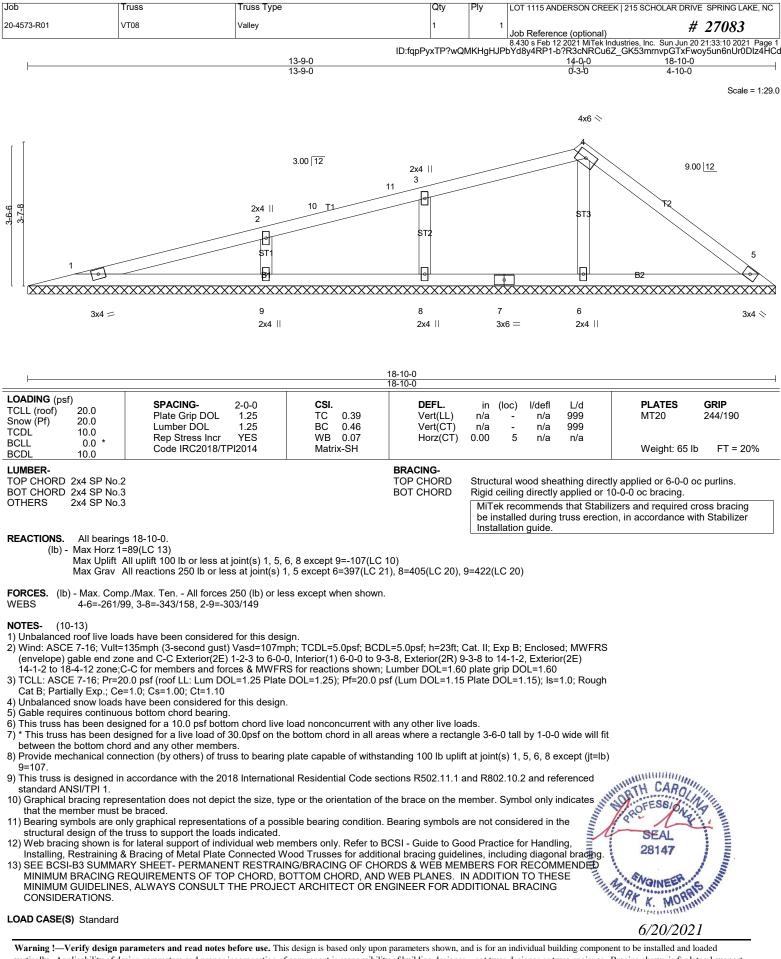
Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

 Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS

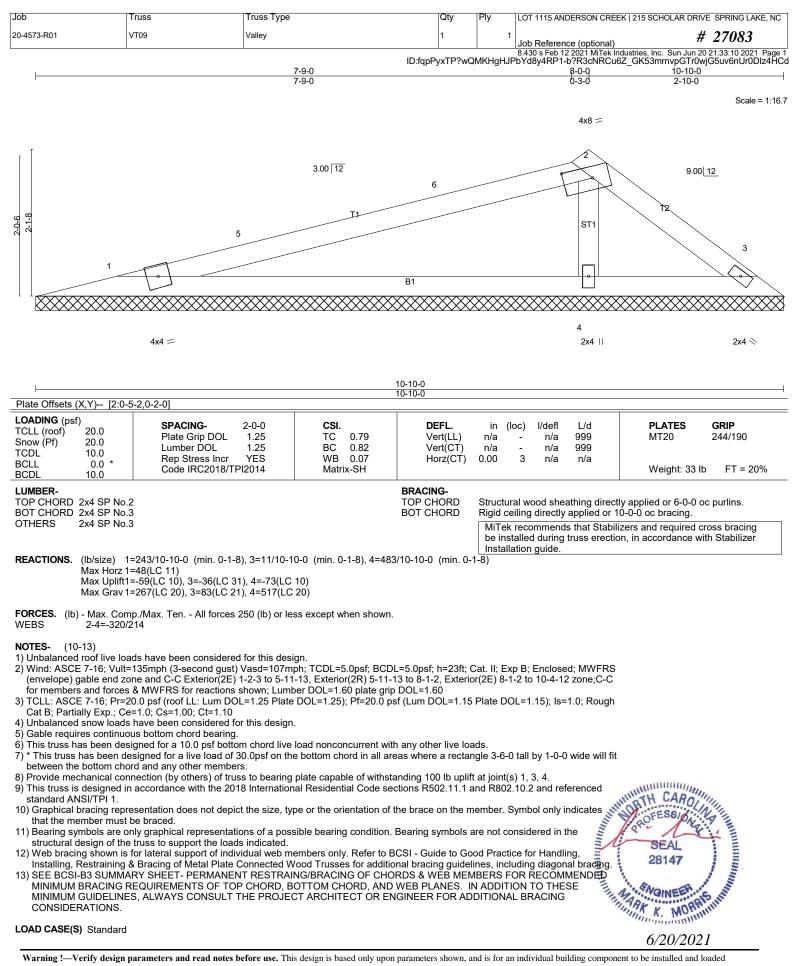
15) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

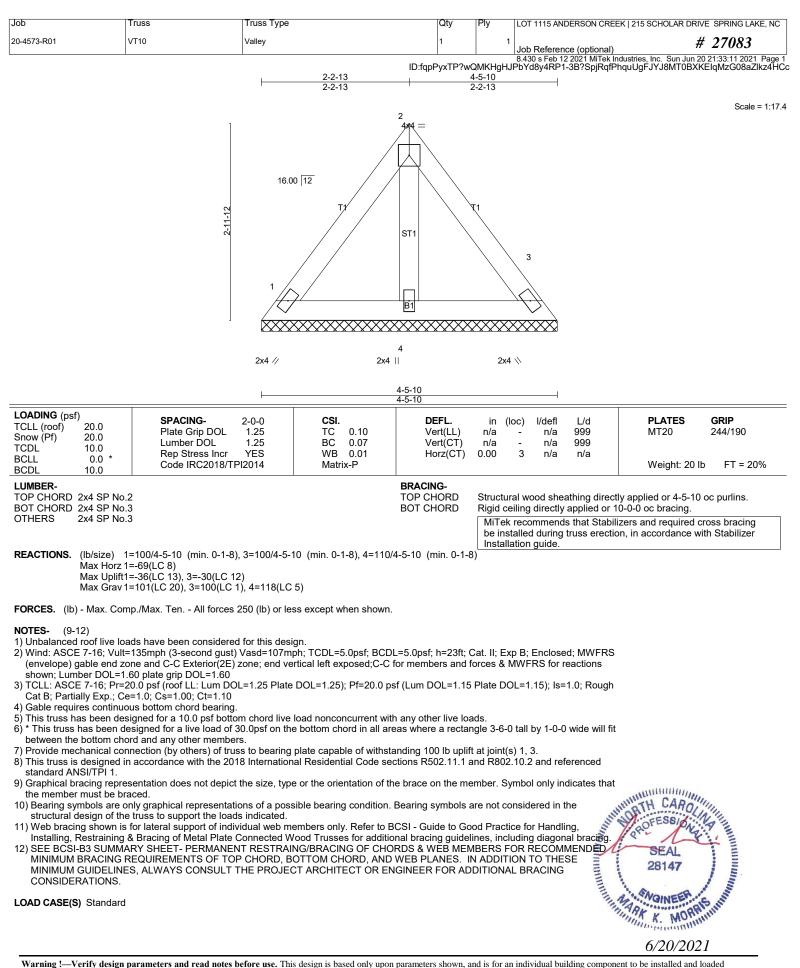
LOAD CASE(S) Standard

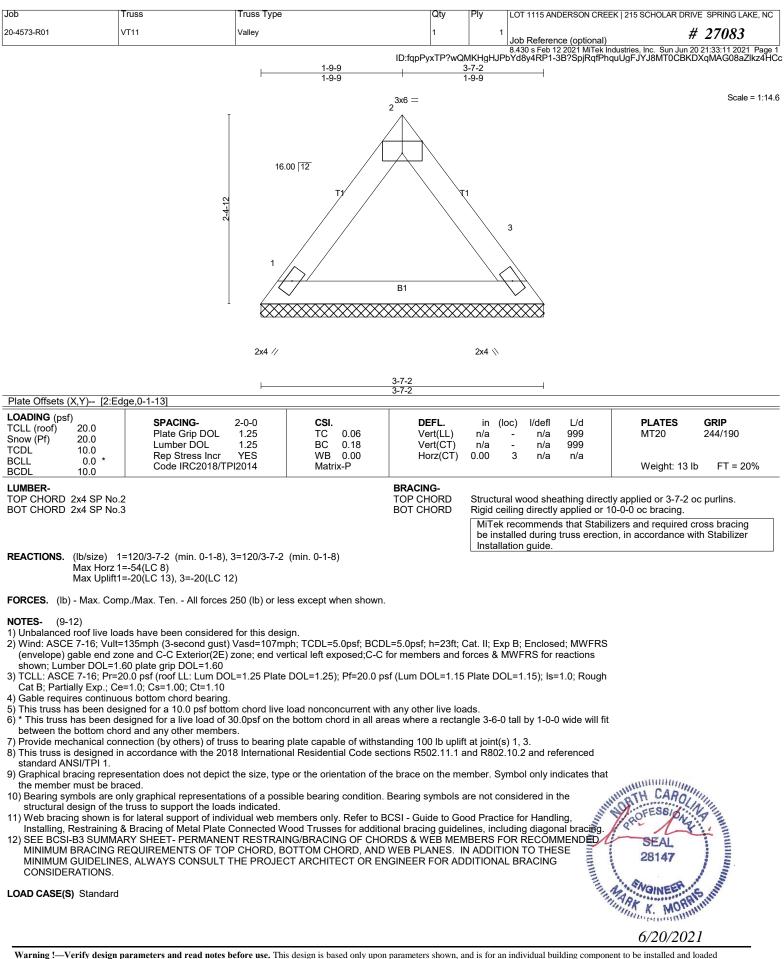




vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction 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'Onofrijo Drive, Madison, WI 53719.





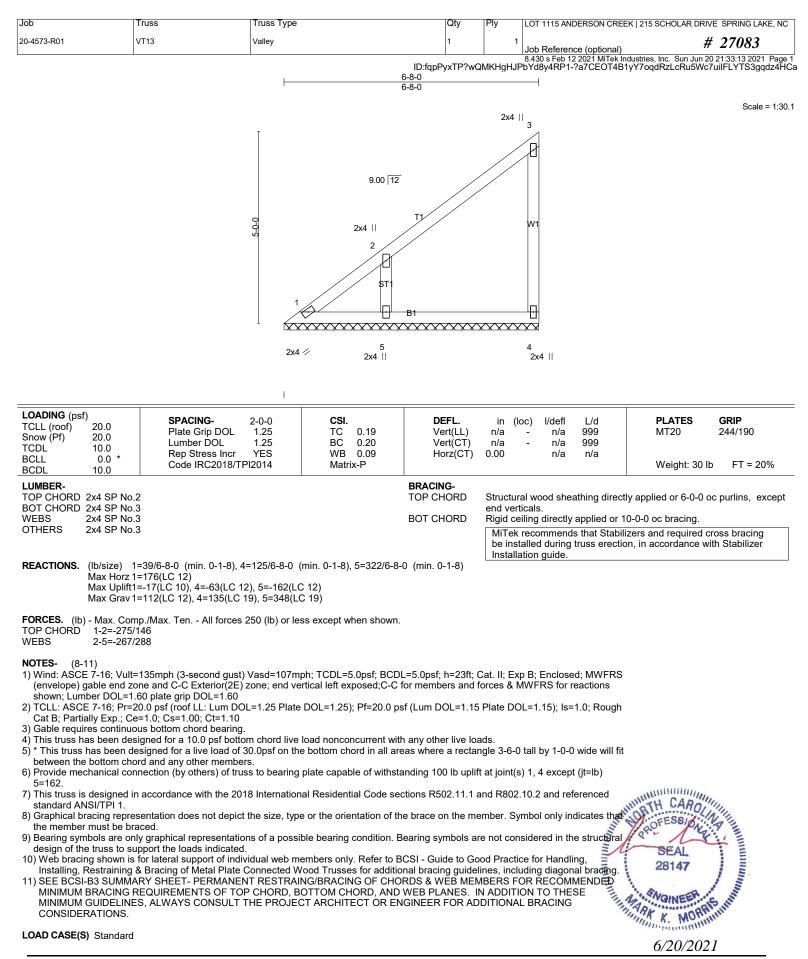


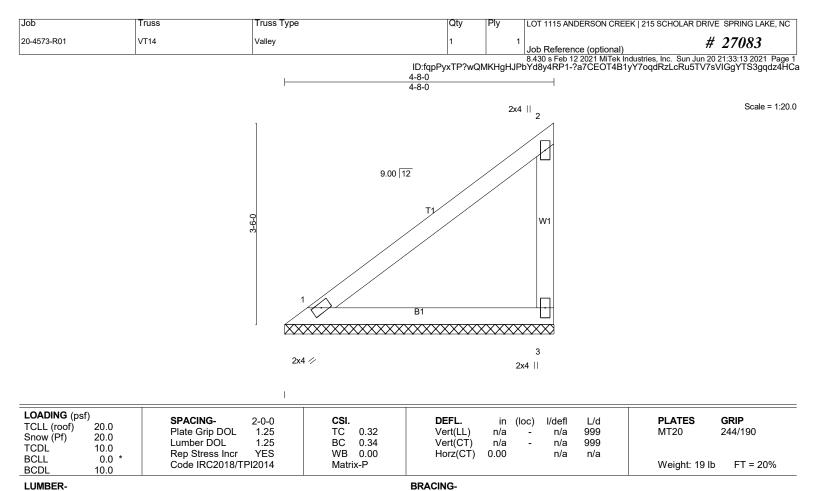
Job	Truss	Truss Type		Qty	Ply	LOT 1115 ANDERSON CREE	K 215 SCHOLAR DRIVE SPRING LAKE, NC
20-4573-R01	VT12	Valley		1	1	Job Reference (optional)	# 27083 dustries, Inc. Sun Jun 20 21:33:12 2021 Page 1
				ID:fqpPyxTP?wQl 8-8-0	MKHgHJPI	bYd8y4RP1-XOZq12SSQjp	hVeFRtGqNuhYJYjVJZozPEoK7HBz4HCb
				8-8-0		—	
					2x4		Scale = 1:39.2
		[3	
			9.00 12	/			
				4			
		6-6-0		271		W1	
		9-9					
				\$T1			
		1 /					
			/ VVVVVVVVV	B1[]] ─────────	~~~~		
		2x4 🥢		5 6		42x4	
				2x4			
				1			
LOADING (psf) TCLL (roof) 20.0	SPACING- Plate Grip DOL	2-0-0 1.25	CSI. TC 0.27	DEFL. Vert(LL)	in (lo n/a	oc) l/defl L/d - n/a 999	PLATES GRIP MT20 244/190
Snow (Pf) 20.0 TCDL 10.0	Lumber DOL	1.25	BC 0.40 WB 0.09	Vert(CT)	n/a 0.00	- n/a 999	W120 244/130
BCLL 0.0 * BCDL 10.0	Rep Stress Inc Code IRC2018		Matrix-P	Horz(CT)	0.00	n/a n/a	Weight: 41 lb FT = 20%
LUMBER-				BRACING-	o		r 1 000 r 1
TOP CHORD 2x4 SP BOT CHORD 2x4 SP	No.3			TOP CHORD	end vert	icals.	y applied or 6-0-0 oc purlins, except
WEBS 2x4 SP OTHERS 2x4 SP				BOT CHORD		iling directly applied or 10 recommends that Stabili	J-0-0 oc bracing. zers and required cross bracing
					be inst		n, in accordance with Stabilizer
) 1=130/8-8-0(min. 0-1-ł orz 1=234(LC 12)	8), 4=112/8-8-0 (n	nin. 0-1-8), 5=404/8-8	3-0 (min. 0-1-8)	motune	allori galao.	
Max Up	lift4=-56(LC 12), 5=-204(L av 1=147(LC 21), 4=194(L		0)				
			,				
TOP CHORD 1-2=-2	Comp./Max. Ten All force 86/161	es 250 (ib) or less	except when shown.				
	35/313						
NOTES- (8-11) 1) Wind: ASCE 7-16; V	/ult=135mph (3-second gu	st) Vasd=107mph	; TCDL=5.0psf; BCD	L=5.0psf; h=23ft; (Cat. II; Ex	p B; Enclosed; MWFRS	
	d zone and C-C Exterior(2 _=1.60 plate grip DOL=1.6		cal left exposed;C-C	for members and f	forces & N	/WFRS for reactions	
2) TCLL: ASCE 7-16; F	Pr=20.0 psf (roof LL: Lum I ; Ce=1.0; Cs=1.00; Ct=1.1	DOL=1.25 Plate D	OL=1.25); Pf=20.0 ps	sf (Lum DOL=1.15	Plate DC	0L=1.15); ls=1.0; Rough	
3) Gable requires conti	nuous bottom chord bearing designed for a 10.0 psf bo	ng.	ad nonconcurrent with	h anv other live loa	aha		
5) * This truss has bee	n designed for a live load chord and any other mem	of 30.0psf on the b	ottom chord in all are			tall by 1-0-0 wide will fit	
6) Provide mechanical	connection (by others) of	truss to bearing pla	ate capable of withsta				
7) This truss is designed standard ANSI/TPI 1	ed in accordance with the 2 1.	2018 International	Residential Code se	ctions R502.11.1 a	and R802.	.10.2 and referenced	AND CANADA
8) Graphical bracing re the member must be	presentation does not dep e braced.	oict the size, type c	or the orientation of th	ie brace on the me	ember. Sy	mbol only indicates that	STH CAHOLAN
 Bearing symbols are design of the truss to 	In accordance with the presentation does not dep braced. only graphical representa o support the loads indicat	itions of a possible ed.	e bearing condition. B	Bearing symbols ar	re not con	sidered in the structural ce for Handling,	2Rt North
10) web bracing show	n is for lateral support of ir ing & Bracing of Metal Pla	idividual web men	iders only. Reler to B	CSI - Guide to Go	od Pracuo	ce for Handling,	SEAL
11) SEE BCSI-B3 SUN	IMARY SHEET- PERMAN IG REQUIREMENTS OF 1	IENT RESTRAING	B/BRACING OF CHO	RDS & WEB MEN	/BERS FO	OR RECOMMENDED	28147
	INES, ALWAYS CONSUL					LBRACING	L'ANGINEER C
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LOAD CASE(S) Standard

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.

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TOP CHORD

BOT CHORD

end verticals.

Installation guide

Structural wood sheathing directly applied or 4-8-0 oc purlins, except

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

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

NOTES-

LUMBER-

WFBS

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.3

2x4 SP No.3

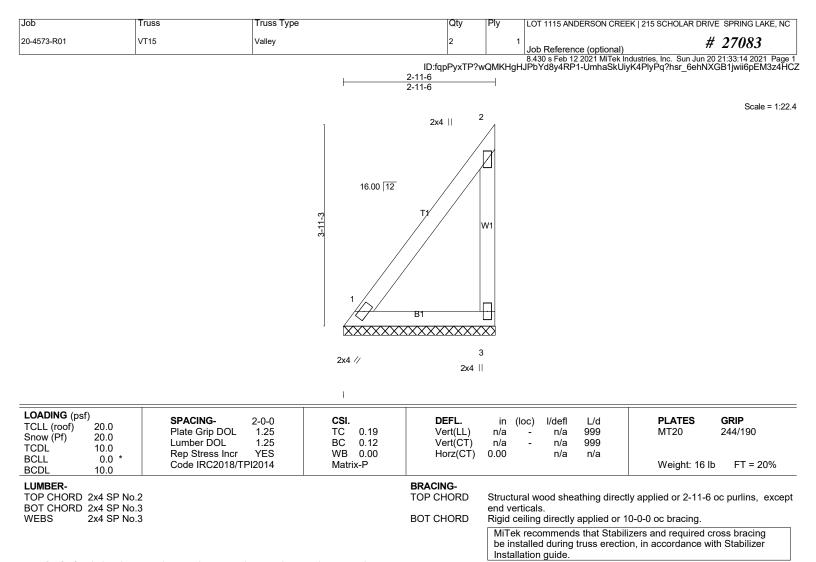
- 1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough

Max Horz 1=118(LC 12) Max Uplift3=-82(LC 12)

REACTIONS. (lb/size) 1=163/4-8-0 (min. 0-1-8), 3=163/4-8-0 (min. 0-1-8)

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

Max Grav 1=163(LC 1), 3=176(LC 19)



REACTIONS. (lb/size) 1=100/2-11-6 (min. 0-1-8), 3=100/2-11-6 (min. 0-1-8) Max Horz 1=129(LC 12) Max Uplift3=-110(LC 12) Max Grav 1=108(LC 21), 3=130(LC 19)

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

NOTES-

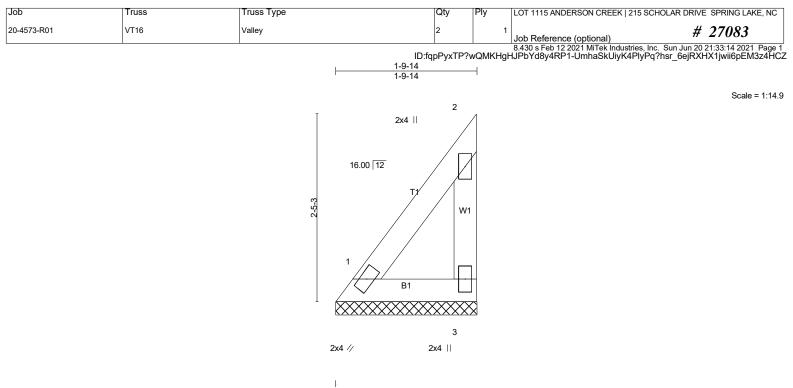
- 1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough

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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 1.25 Lumber DOL 1.25 Rep Stress Incr YES Code IRC2018/TPI2014	CSI. TC 0.06 BC 0.03 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: 9 lb FT = 20%
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 directly applied or 1-9-14 oc purlins, except end verticals. 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) 1=55/1-9-14 (min. 0-1-8), 3=55/1-9-14 (min. 0-1-8) Max Horz 1=71(LC 12) Max Uplift3=-60(LC 12) Max Grav 1=60(LC 25), 3=72(LC 19)

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

NOTES-(8-11)

- 1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 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=1.25 Plate DOL=1.25); 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) Gable requires continuous bottom chord bearing.
- 4) 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 5) 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.
- 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.
- 8) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that
- 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. 10) Web bracing shown is for lateral support of indicated.
- 10) Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing
- 11) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard

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