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 #: 49568 JOB: 24-5147-R01 JOB NAME: LOT 0.0109 BLAKE POND Wind Code: ASCE7-16 Wind Speed: Vult= 120mph Exposure Category: B Mean Roof Height (feet): 23 These truss designs comply with IRC 2015 as well as IRC 2018. *44 Truss Design(s)*

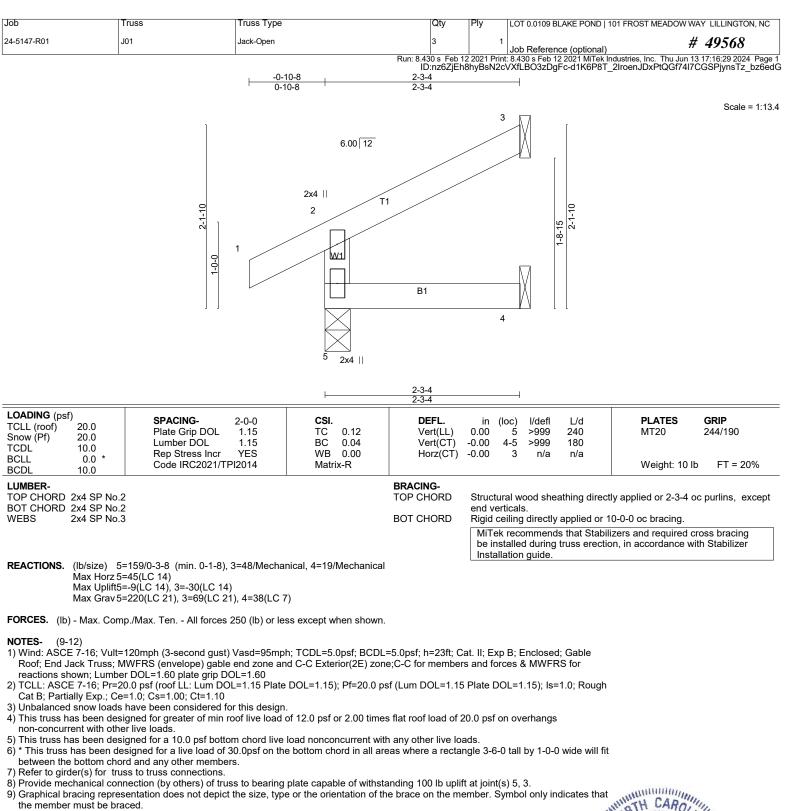
Trusses:

J01, J01A, J02, J02A, J03, J03A, J05, J06, J08, J09, J10, R01, R02, R03, R04, R05, R06, R07, R08, R09, R10, R11, R12, R13, R14, R14A, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, SP01, SP02



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

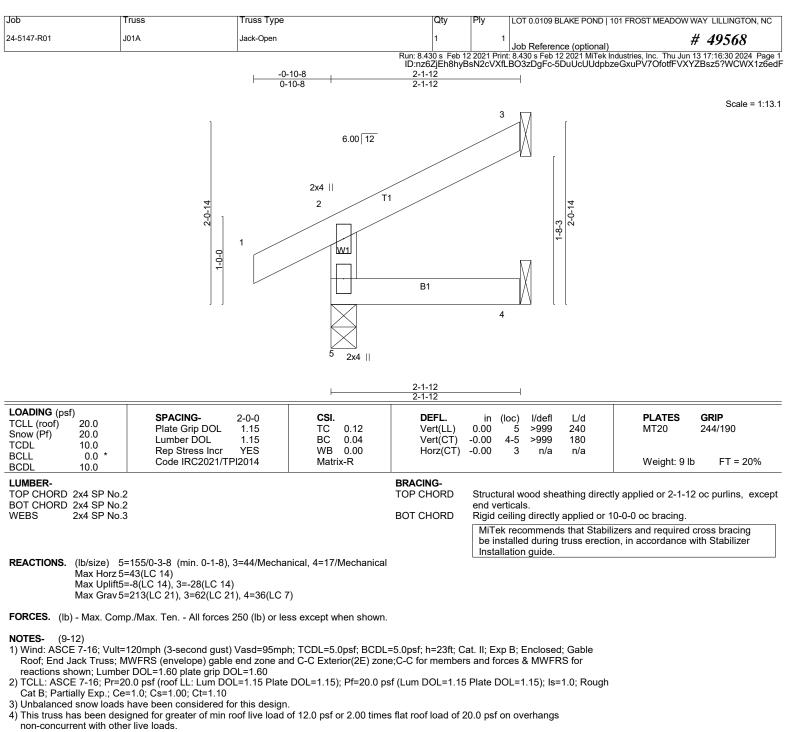
This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is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



- 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.
- 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.

es that ACTION SEAL 28147 6/13/2024 ACTION CONSERVATION OF THE SEAL 28147 6/13/2024

LOAD CASE(S) Standard



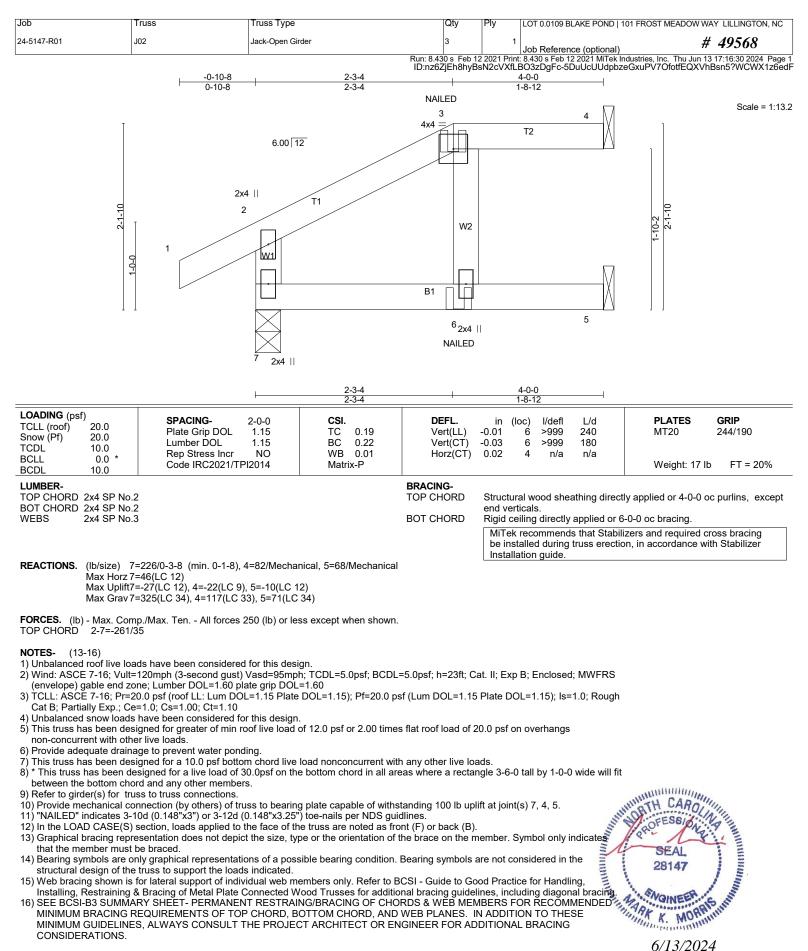
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

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) 5, 3.
- 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.

e will fit

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	LOT 0.0109 BLAKE POND 101 FROST MEA	DOW WAY LILLINGTON, NC
24-5147-R01	J02	Jack-Open Girder	3	1	Job Reference (optional)	# 49568
		Dum 9.4	20 a Eak 1	2001 Duim	+ 9 420 a Eab 12 2021 MiTak Industrian Inc. Th	u lun 12 17:16:21 2024 Dogo 2

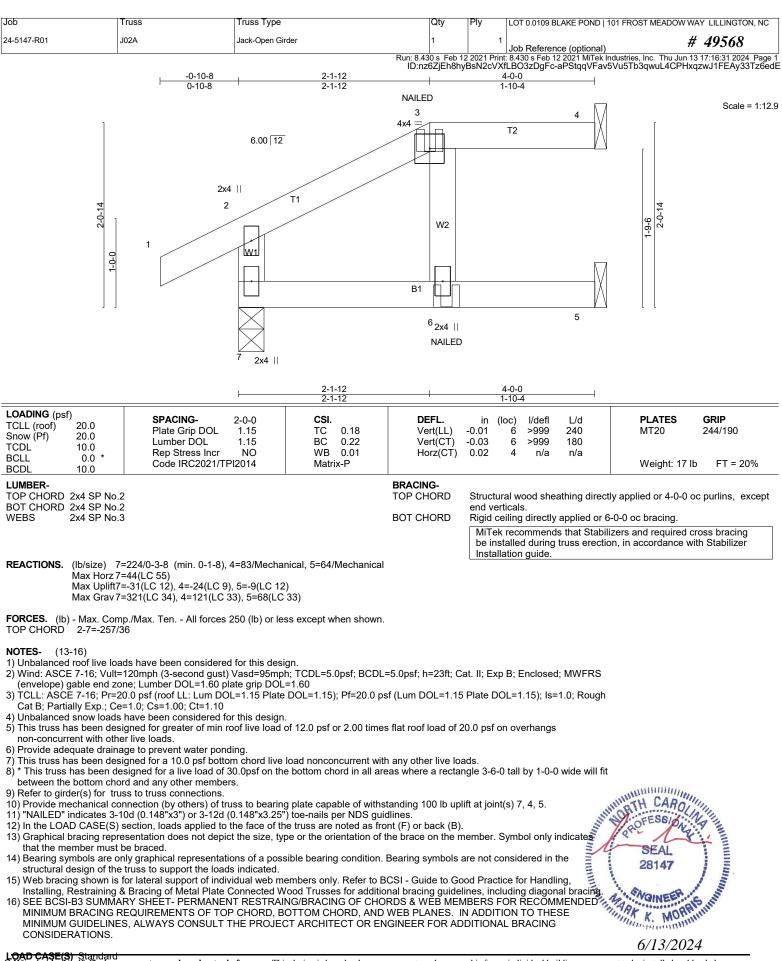
Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 Mi Lek Industries, Inc. Thu Jun 13 17:16:31 2024 Page 2 ID:nz6ZjEh8hyBsN2cVXfLBO3zDgFc-aPStqqVFav5Vu5Tb3qwuL4CPAxqwwJ1FEAy33Tz6edE

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-2=-60, 2-3=-60, 3-4=-60, 5-7=-20 Concentrated Loads (lb) Vert: 3=-12(F) 6=-0(F)



6/13/2024



Job	Truss	Truss Type	Qty	Ply	LOT 0.0109 BLAKE POND 101 FROST ME	EADOW WAY LILLINGTON, NC
24-5147-R01	J02A	Jack-Open Girder	1	1	Job Reference (optional)	# 49568
		Rup: 8.4	30 s Eab 11	2 2021 Print	8 430 s Eeb 12 2021 MiTek Industries Inc	Thu Jun 13 17:16:31 2024 Page 2

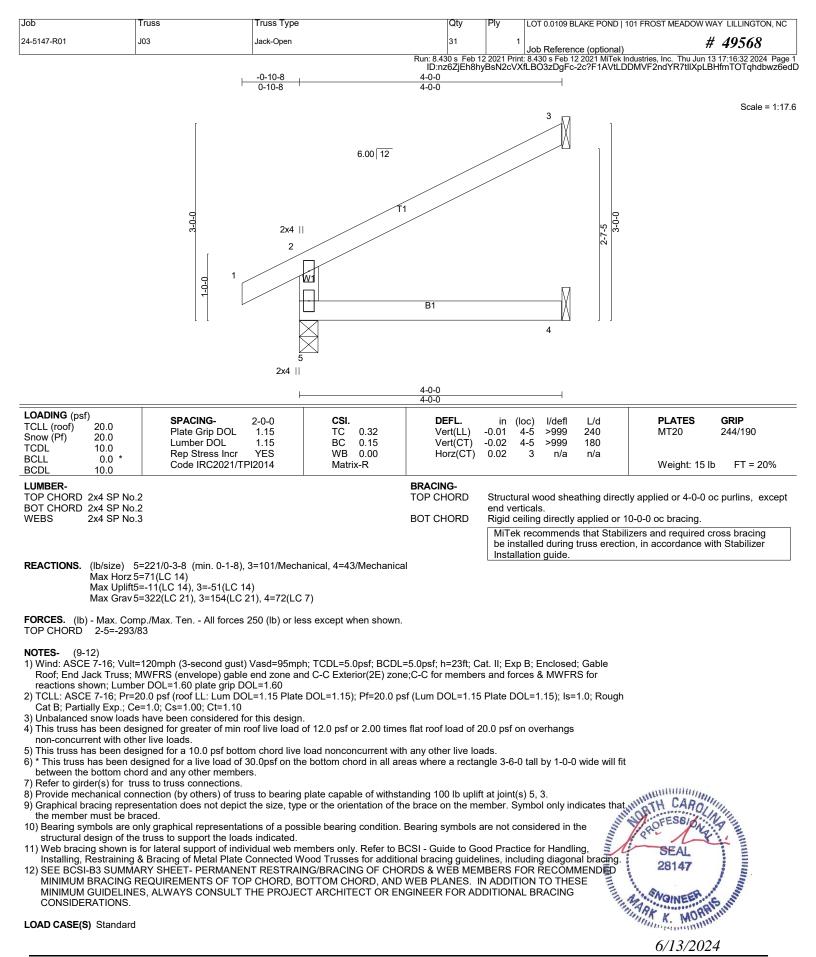
un: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jun 13 17:16:31 2024 Page 2 ID:nz6ZjEh8hyBsN2cVXfLBO3zDgFc-aPStqqVFav5Vu5Tb3qwuL4CPHxqzwJ1FEAy33Tz6edE

LOAD CASE(S) Standard

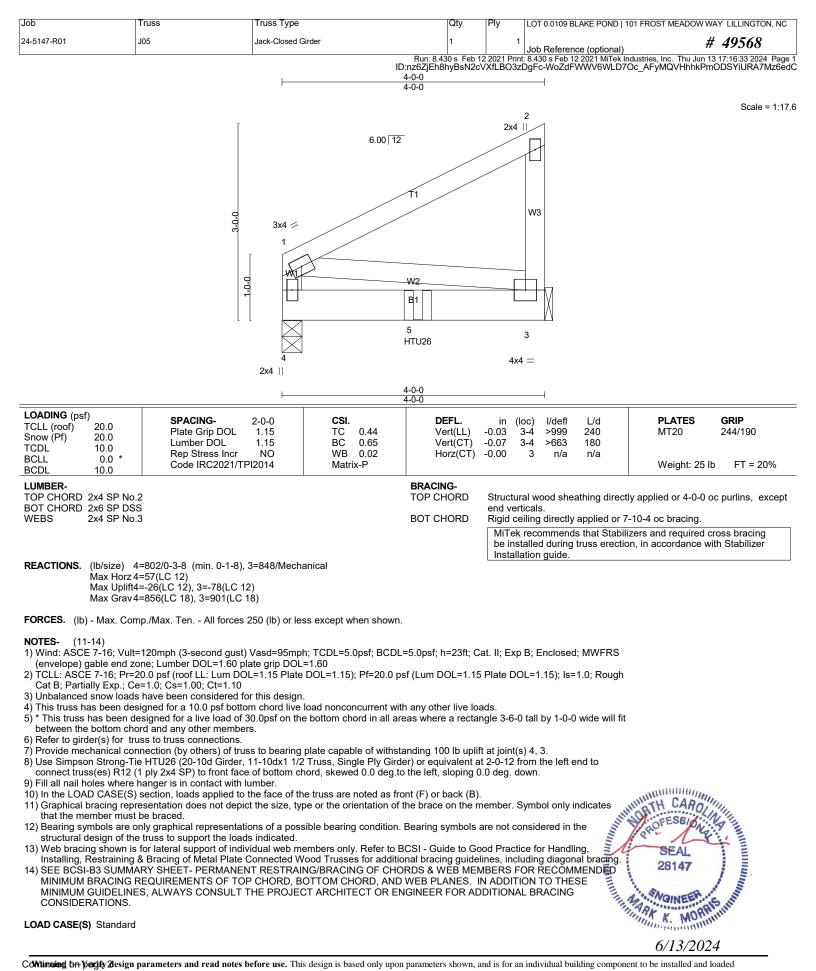
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-2=-60, 2-3=-60, 3-4=-60, 5-7=-20 Concentrated Loads (lb) Vert: 3=-7(B) 6=0(B)

> SEAL 28147 SEAL 28147

6/13/2024



lob	Truss	Truss Type		Qty	Ply		POND 101 FROST M	EADOW WAY LILLINGTON, NO
4-5147-R01	J03A	Jack-Open		5		1 Job Reference (o	ptional)	# 49568
				Run: 8.430 s Feb 1 ID:nz6ZjEh8hy	2 2021 Pr /BsN2cV	rint: 8.430 s Feb 12 202 /XfLBO3zDgFc-2c?F	1 MiTek Industries, Inc. 1AVtLDDMVF2ndYF	Thu Jun 13 17:16:32 2024 Pag R7tIIWVLD?fmzOTqhdbwz66
		-0-10-8 0-10-8		2-3-8 1-0-11	<u>4-0-0</u> 1-8-8			
								Scale = 1:1
	Ţ					4		
			6.00 12	2x4			[
				3		-	0	
							2-0-0	
	0		T					
	3-0-0	3x4 ⋍			B3	N	2-7-5	
	т	2	~	B2	5	<u>M</u> l	1	
		1	5	6 2x4 =		5		
	1-0-0		W2			0	1-0-0	
			B1					
	1 1	\times					l l	
		\bowtie		7 3x4 =				
		8 2x4						
		2,74	1 2 12	2-3-8	4-0-0			
				1-0-11	1-8-8		T	
OADING (psf) CLL (roof) 20.0	SPACING-	2-0-0	CSI.	DEFL.		(loc) l/defl L/		ATES GRIP
Snow (Pf) 20.0) Plate Grip D		TC 0.41 BC 0.04	Vert(LL) Vert(CT)	-0.04 -0.06	7 >999 24 7 >704 18	-	20 244/190
CDL 10.0 SCLL 0.0) * Rep Stress	Incr YES 021/TPI2014	WB 0.03 Matrix-P	Horz(CT)	0.03	5 n/a n/		ight: 20 lb FT = 20%
CDL 10.0			Matrix	BRACING				
UMBER- OP CHORD 2x4 S				BRACING- TOP CHORD			g directly applied o	or 4-0-0 oc purlins, excep
3OT CHORD 2x4 S B2: 2	SP No.2 *Except* x4 SP No.3			BOT CHORD		erticals. ceiling directly appl	lied or 10-0-0 oc bi	racina.
	SP No.3				MiTe	ek recommends that	at Stabilizers and re	equired cross bracing
						allation guide.	s erection, in accor	rdance with Stabilizer
	ze) 8=221/0-3-8(min. 0 Horz 8=71(LC 14)	-1-8), 4=126/Mechan	cal, 5=18/Mechanio	cal				
Max	Uplift8=-11(LC 14), 4=-55	(LC 14)						
	Grav 8=322(LC 21), 4=18							
ORCES. (lb) - Max OP CHORD 2-8=	x. Comp./Max. Ten All fo =-302/56	orces 250 (lb) or less	except when showr	1.				
IOTES- (9-12)								
) Wind: ASCE 7-16	; Vult=120mph (3-second							
	russ; MWFRS (envelope) Lumber DOL=1.60 plate g		C-C Exterior(2E) zo	ne;C-C for member	s and fo	orces & MWFRS to	r	
	6;		OL=1.15); Pf=20.0	osf (Lum DOL=1.15	Plate D	DOL=1.15); ls=1.0;	Rough	
) Unbalanced snow	v loads have been conside en designed for greater of	ered for this design.	12.0 psf or 2.00 tim	es flat roof load of 2	20 0 nef	on overbands		
non-concurrent w	ith other live loads.		·		•	on overhangs		
	en designed for a 10.0 psi een designed for a live loa					5-0 tall by 1-0-0 wid	e will fit	
D C C C C C C C C C C	om chord and any other m for truss to truss connect							
, · · · · · · · · · · · · · · · · · · ·	cal connection (by others)	of truss to bearing pla	ate capable of withs	tanding 100 lb uplif	t at joint	t(s) 8, 4.	INNIN INNINI	CAD
) Provide mechanic	representation does not o	depict the size, type c	i the onentation of	the brace on the me	ember. a	Symbol only indicat	les main and the set	SALA
) Provide mechanic) Graphical bracing the member must	be braced.		le bearing condition	. Bearing symbols a	are not o	considered in the	in the	No. 1
 Provide mechanic Graphical bracing the member must Bearing symbols structural design 	: be braced. s are only graphical repres n of the truss to support the	e loads indicated.						
 Provide mechanic Graphical bracing the member must Bearing symbols structural design Web bracing shot lostaling Beatra 	be braced. s are only graphical repres n of the truss to support th own is for lateral support co gining & Bracing of Metal I	e loads indicated. of individual web mem Plate Connected Woo	bers only. Refer to	BCSI - Guide to Go	od Prac	ctice for Handling,	SE	AL
						ctice for Handling, cluding diagonal br FOR RECOMMEN	acing. 28	AL 147
MINIMUM BRAC	be braced. s are only graphical repress of the truss to support the bown is for lateral support of aining & Bracing of Metal I UMMARY SHEET- PERM CING REQUIREMENTS O ELINES, ALWAYS CONS	F TOP CHORD, BOT	TOM CHORD, ANI	D WEB PLANES. II	N ADDI	ctice for Handling, cluding diagonal br FOR RECOMMEN TION TO THESE IAL BRACING	acting. 28	AL 147
MINIMUM BRAC	CING REQUIREMENTS O ELINES, ALWAYS CONS	F TOP CHORD, BOT	TOM CHORD, ANI	D WEB PLANES. II	N ADDI	ctice for Handling, cluding diagonal br FOR RECOMMEN TION TO THESE IAL BRACING	acing. 28	AL 147
MINIMUM BRAC	CING REQUIREMENTS O ELINES, ALWAYS CONS DNS.	F TOP CHORD, BOT	TOM CHORD, ANI	D WEB PLANES. II	N ADDI	ctice for Handling, cluding diagonal br FOR RECOMMEN TION TO THESE JAL BRACING	acing. 28	MOREER SUMMER
MINIMUM BRAC MINIMUM GUID CONSIDERATIO	CING REQUIREMENTS O ELINES, ALWAYS CONS DNS.	F TOP CHORD, BOT	TOM CHORD, ANI	D WEB PLANES. II	N ADDI	ctice for Handling, cluding diagonal br FOR RECOMMEN TION TO THESE JAL BRACING	acing 28 IDED 28 INTERNET	NEER SUM



LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	LOT 0.0109 BLAKE POND 101 FROST	MEADOW WAY LILLINGTON, NC
24-5147-R01	J05	Jack-Closed Girder	1	1	Job Reference (optional)	# 49568
		Run: 8	130 c Eeh 1	2 2021 Prin	t: 8 / 30 s Eeb 12 2021 MiTek Industries Inc	Thu lun 13 17:16:33 2024 Page 2

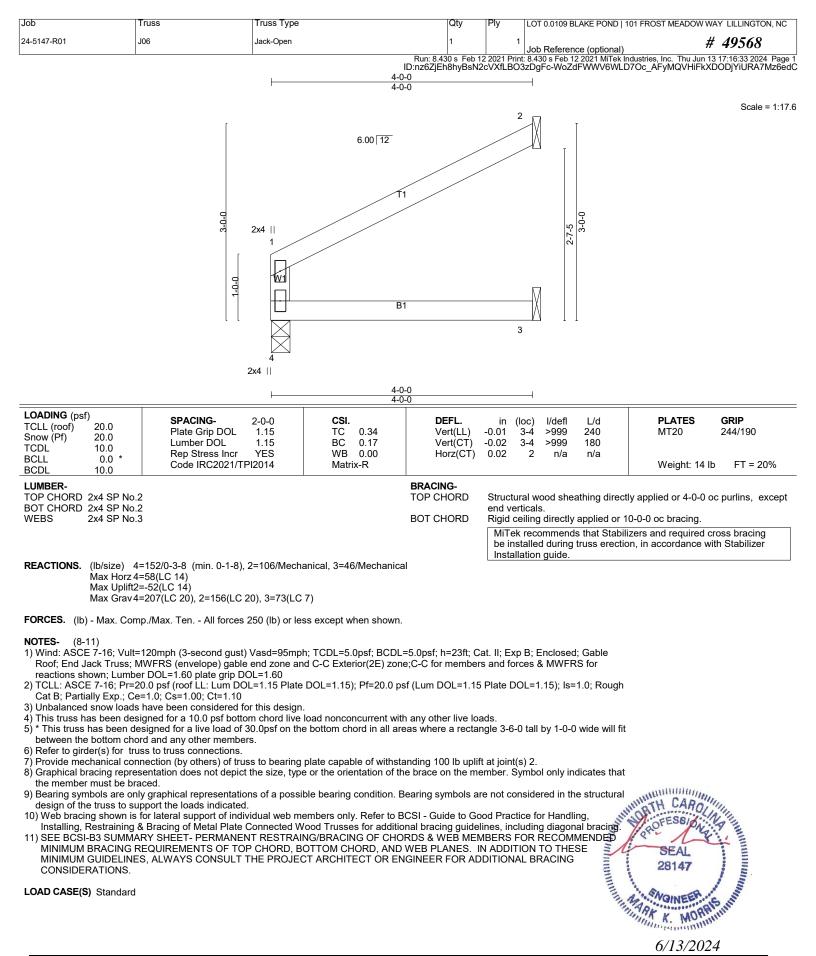
Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 Mi Fek Industries, Inc. Thu Jun 13 17:16:33 2024 Page 2 ID:nz6ZjEh8hyBsN2cVXfLBO3zDgFc-WoZdFWWV6WLD7Oc_AFyMQVHhhkPmODSYiURA7Mz6edC

LOAD CASE(S) Standard

- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf)
 - Vert: 1-2=-60, 3-4=-20 Concentrated Loads (lb)
 - Vert: 5=-1353(F)



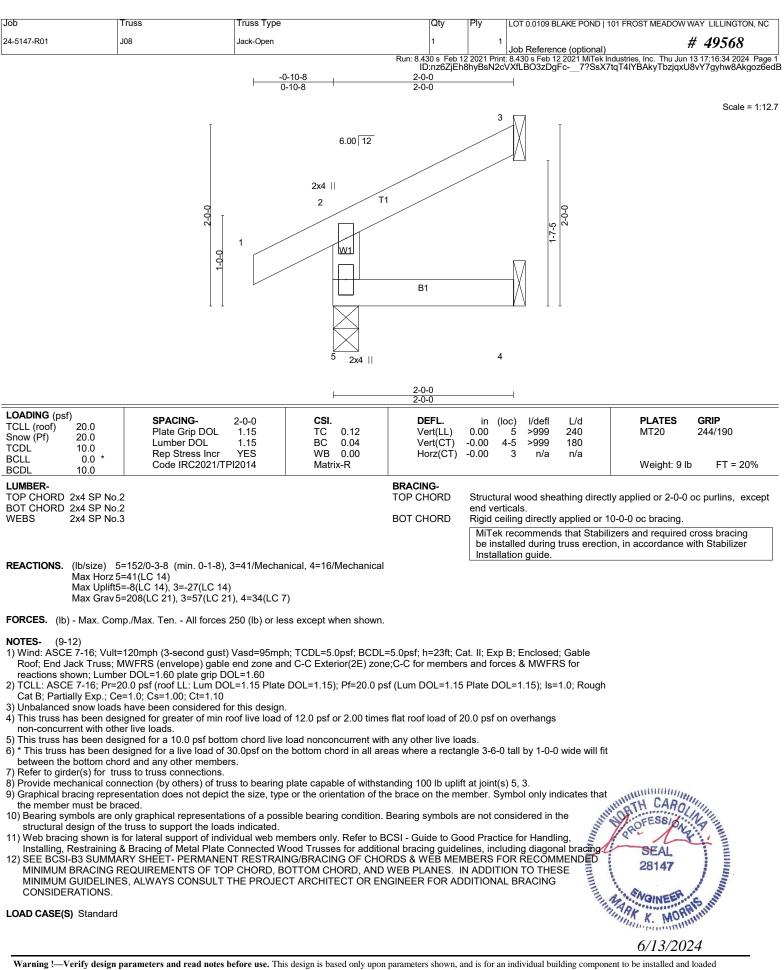
6/13/2024



LOAD CASE(S) Standard

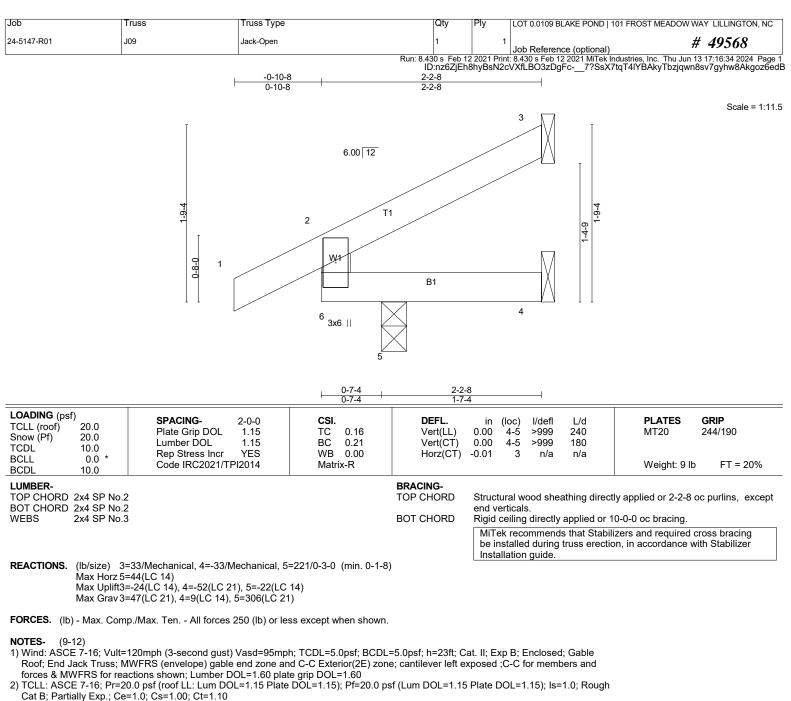
Warning !--Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer - 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.

6/13/2024

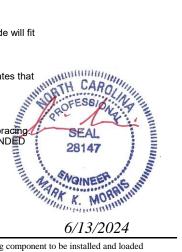


12) SEE BČŠI-B3 SUMMĂRY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WĔB MEMBERS FOR ŘECŎMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS

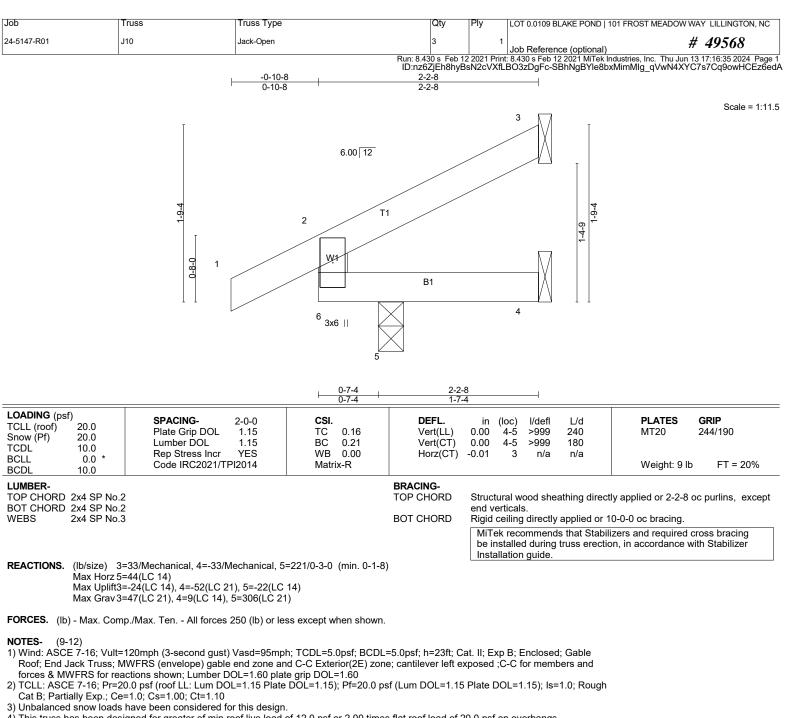
LOAD CASE(S) Standard



- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4, 5.
- 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 BČŠI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR ŘECOMMENDED
- 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



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

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

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

- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4, 5.
- 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.
- 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.

e will fit

LOAD CASE(S) Standard

24-5147-R01 HIP GIRDER	¹ 2 Job Reference (optional) # 49568
	Pup: 8 430 c. Ech 12 2021 Print: 8 430 c Ech 12 2021 MiTck Industries, Inc. Thu, Jun 13 17:16:44 2024, Page 1
0.40.0 4.0.0 0.4.4 44.0.42 40.0.4 22.44	Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jun 13 17:16:44 2024 Page 1 ID:nz6ZJEN8hyBsN2cVXfLBO3zDgFc-hwknYGfPWvkfx5y5K3exNqEQSA5fT3S9DhbF0Dz6ed1
- <u>Q-10r8 4-0-0 9-1-4 14-0-12 19-0-4 23-11</u> 0-10-8 4-0-0 5-1-4 4-11-8 4-11-8 4-11	
	Scale = 1:72.7
NAILED NAILED NAILEDNAILEDNAILEDNAILED NAILEDNAILED	NAILEDNAILED NAILEDNAILEDNAILED
6.00 12 $3x0 = 2x4 $ $5x8 = NAILED 2x4 $	4x8 = NAILED $5x6 =$ $5x8 =$ NAILED $5x6 =$ $4x6 >$
NAILED NAILED 426 27 28 12 5 29 30 316 32 33 34 7 35_{T3}	
0 0 1 2 1 1 W1 W2 W1 W2 W1 W2 W1 W2	z wi wz wi wz wi wz wi wi 13 11 0
48 49 50 57 52 53 2194 55 50 5	1/ 58 59 18 00 61 62 63 64 65
	2X4 XAILED
	NAILED NAILEDNAILED NAILEDNAILED
NAILED	
4-0-0 9-1-4 14-0-12 19-0-4 23-11	I-12 , 28-11-4 , 33-10-12 , 39-0-0 , 43-0-0 ,
4-0-0 5-1-4 4-11-8 4-11-8 4-11	
Plate Offsets (X,Y) [4:0-6-4,0-2-4], [6:0-4-0,0-3-0], [9:0-3-0,0-3-0], [11:0-3-0,0-2-0]	
LOADING (psf) TCLL (roof) 20.0 SPACING- 2-0-0 CSI.	DEFL. in (loc) I/defl L/d PLATES GRIP
Snow (Pf) 20.0 Plate Grip DOL 1.15 IC 0.98	Vert(LL) -0.83 19-20 >623 240 MT20 244/190 Vert(CT) -1.32 19-20 >392 180 MT20HS 187/143
ICDL 10.0 Rep Stress Incr NO WB 0.64	Vert(CT) -1.32 19-20 >392 180 MT20HS 187/143 Horz(CT) 0.18 13 n/a n/a
BCLL 0.0 * Code IRC2021/TPI2014 Matrix-SH	Weight: 521 lb FT = 20%
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied.
BOT CHORD 2x6 SP No.1 WEBS 2x4 SP No.3 *Except*	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
W2: 2x4 SP No.2	
SLIDER Left 2x6 SP No.2 -° 2-4-0, Right 2x6 SP No.2 -° 2-4-0	
REACTIONS. (lb/size) 2=3068/0-3-8 (min. 0-1-14), 13=2999/0-3-8 (min. 0-1-14)	
Max Horz 2=-32(LC 61) Max Uplift2=-434(LC 9), 13=-422(LC 8)	
Max $G_{10} = 434(10 \text{ s}), 13 = 422(10 \text{ s})$ Max $G_{10} = 43202(10 \text{ s}), 13 = 3156(10 \text{ s})$	
EOBCES (Ib) May Comp (May Tap All fores 250 (Ib) or loss execut when shown	
FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-5315/737, 3-25=-5305/742, 4-25=-5261/743, 4-26=-9172/1308, 26-	-27=-9172/1308,
27-28=-9172/1308, 28-29=-9171/1308, 5-29=-9171/1308, 5-30=-9172/1	
30-31=-9172/1308, 31-32=-9172/1308, 6-32=-9172/1308, 6-33=-13193/ 33-34=-13193/1880, 34-35=-13193/1880, 7-35=-13193/1880, 7-36=-131	
36-37=-13193/1880, 8-37=-13193/1880, 8-38=-11832/1671, 38-39=-118	832/1671,
39-40=-11832/1671, 9-40=-11832/1671, 9-41=-11832/1671, 41-42=-118 42-43=-11832/1671, 10-43=-11832/1671, 10-44=-4551/644, 44-45=-455	
45-46=-4552/644, 11-46=-4552/644, 11-47=-5128/714, 12-47=-5172/71	
BOT CHORD 2-48=-635/4539, 24-48=-635/4539, 24-49=-630/4534, 49-50=-630/4534	, 50-51=-630/4534,
23-51=-630/4534, 23-52=-1683/11993, 52-53=-1683/11993, 22-53=-168 22-54=-1683/11993, 21-54=-1683/11993, 21-55=-1683/11993, 55-56=-1	
20-56=-1683/11993, 20-57=-1869/13293, 57-58=-1869/13293, 19-58=-1	1869/13293,
19-59=-1869/13293, 59-60=-1869/13293, 18-60=-1869/13293, 17-18=-1 17-61=-1257/9158, 61-62=-1257/9158, 16-62=-1257/9158, 16-63=-1257	
63-64=-1257/9158, 15-64=-1257/9158, 15-65=-583/4426, 13-65=-583/4	126
WEBS 4-23=-750/5212, 5-23=-730/213, 6-23=-3192/454, 6-22=0/312, 6-20=-20	07/1372, UNIVERTH CARO
/-∠∪=-515/1/6, 8-19=0/326, 8-1/=-1661/258, 9-1/=-5/9/168, 10-17=-43 10-16=0/344, 10-15=-5212/747, 11-15=-250/2257	34/3020, FESSID
	and the second s
NOTES- (14-17)	SEAL
Top chords connected as follows: 2x4 - 1 row at 0-7-0 oc.	28147
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.	
 2) All loads are considered equally applied to all plies, except if noted as front (F) or bac 	k (B) face in the LOAD CASE(S) section. Ply to by A Mointeen &
1/-61=-125//9158, 61-62=-125//9158, 16-62=-125//9158, 16-63=-125/ 63-64=-1257/9158, 15-64=-1257/9158, 15-65=-583/4426, 13-65=-583/44 WEBS 4-23=-750/5212, 5-23=-730/213, 6-23=-3192/454, 6-22=0/312, 6-20=-20 7-20=-515/176, 8-19=0/326, 8-17=-1661/258, 9-17=-579/168, 10-17=-42 10-16=0/344, 10-15=-5212/747, 11-15=-250/2257 NOTES- (14-17) 1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows: Top chords connected as follows: 2x4 - 1 row at 0-7-0 oc. Bottom chords connected as follows: 2x4 - 2 rows staggered at 0-9-0 oc. Webs connected as follows: 2x4 - 1 row at 0-9-0 oc. 2) All loads are considered equally applied to all plies, except if noted as front (F) or back connected rog live loads have been considered for this design. 3) Unbalanced roof live loads have been considered for this design. 4) Widi ASCE 7.	k (B) face in the LOAD CASE(S) section. Ply to pty therein the LOAD CASE(S) section. Ply to pty therein the load of the load o
 Unbalanced roof live loads have been considered for this design. Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL= 	=5 Opsf: h=23ft: Cat. II: Exp B: Enclosed: MWERS
(envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60	6/13/2024

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 0.0109 BLAKE POND 101 FRO	ST MEADOW WAY LILLINGTON, NC
24-5147-R01	R01	HIP GIRDER	1	2	Job Reference (optional)	# 49568
						s, Inc. Thu Jun 13 17:16:44 2024 Page 2 K3exNqEQSA5fT3S9DhbF0Dz6ed1

NOTES-(14-17)

5) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10

6) Unbalanced snow loads have been considered for this design.

7) 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) Provide adequate drainage to prevent water ponding.

9) All plates are MT20 plates unless otherwise indicated.

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

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

12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=434, 13=422.

13) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.

- 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

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

Uniform Loads (plf)

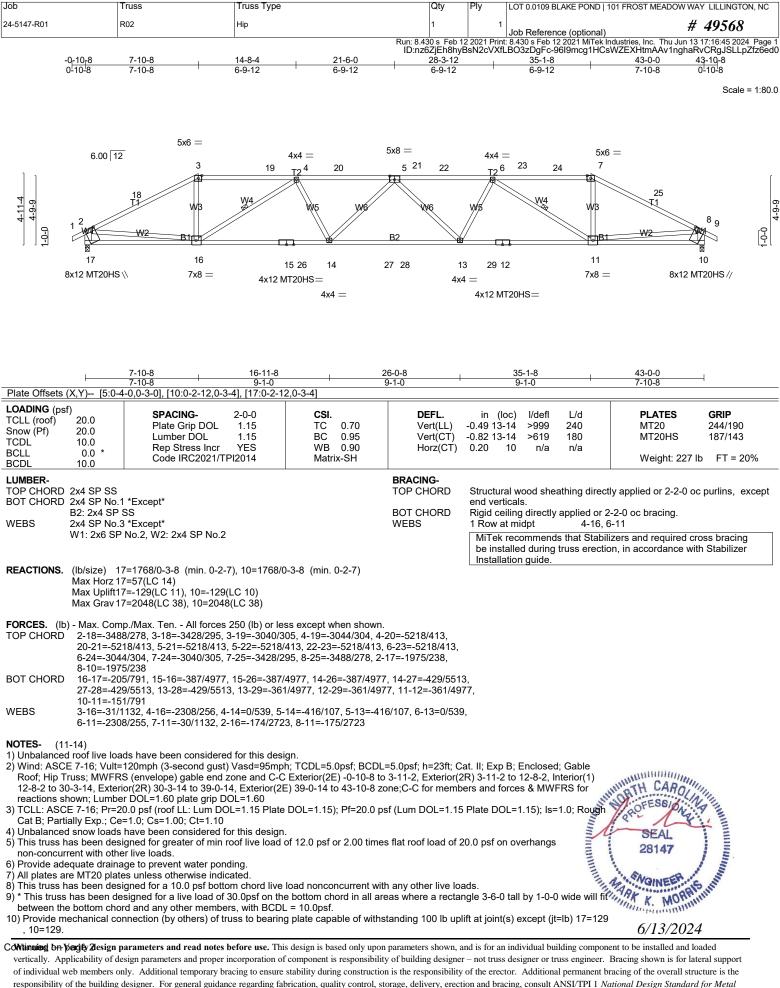
Vert: 1-4=-60, 4-11=-60, 11-14=-60, 2-13=-20

Concentrated Loads (lb)

Vert: 24=-27(F) 9=-94(F) 17=-27(F) 15=-27(F) 25=-57(F) 26=-94(F) 27=-94(F) 28=-94(F) 29=-94(F) 30=-94(F) 32=-94(F) 33=-94(F) 34=-94(F) 35=-94(F) 36=-94(F) 37=-94(F) 38=-94(F) 40=-94(F) 41=-94(F) 43=-94(F) 44=-94(F) 45=-94(F) 46=-94(F) 47=-57(F) 48=-51(F) 49=-27(F) 50=-27(F) 51=-27(F) 52=-27(F) 53=-27(F) 55=-27(F) 5



6/13/2024



responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 National Design Standard for Metal Plate Connected Wood Truss Construction and BCSI 1-03 Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0109 BLAKE POND 101 FROST	MEADOW WAY LILLINGTON, NC
24-5147-R01	R02	Нір	1	1	Job Reference (optional)	# 49568
Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jun 13 17:16:45 2024 Page 2						

ID:nz6ZjEh8hyBsN2cVXfLBO3zDgFc-96l9mcg1HCsWZEXHtmAAv1nghaRvCRgJSLLpZfz6ed0 11) 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. 12) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the

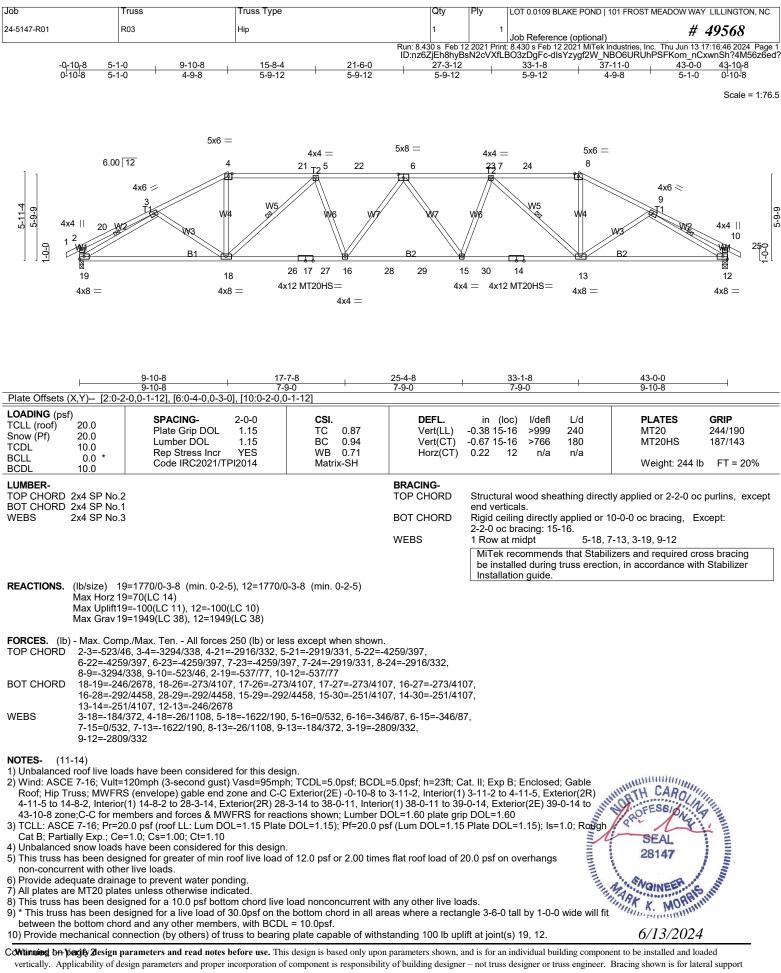
loads indicated. 13) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate

Connected Wood Trustees 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 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



6/13/2024



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

Job	Truss	Truss Type	Qty	Ply	LOT 0.0109 BLAKE POND 101 FROST	MEADOW WAY LILLINGTON, NC
24-5147-R01	R03	Нір	1	1	Job Reference (optional)	# 49568
Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jun 13 17:16:46 2024 Page 2						

ID:nz6ZjEh8hyBsN2cVXfLBO3zDgFc-dlsYzygf2W_NBO6URUhPSFKom_nCxwnSh?4M56z6ed? 11) 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. 12) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

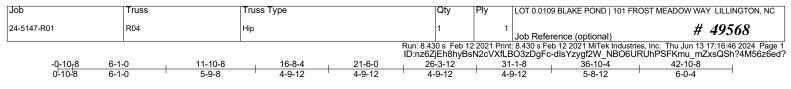
13) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate

Connected Wood Trustees 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 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.

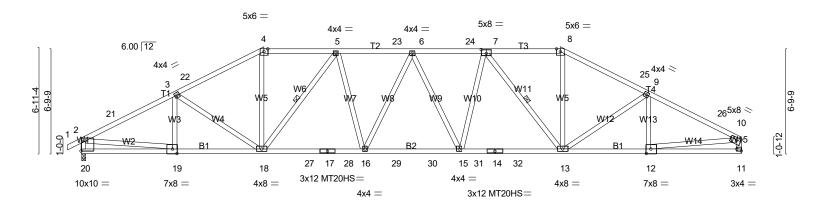
LOAD CASE(S) Standard



6/13/2024



Scale = 1:74.8



	6-1-0 6-1-0		<u>10-8</u> 9-8	18-3-8 6-5-0		24-8-8	<u>31-1-8</u> 6-5-0	<u>36-10-4</u> 5-8-12	42-10-8
Plate Offsets					0-3-8,Edge], [19:0-3-8,Edge],			001
LOADING (ps TCLL (roof) Snow (Pf) TCDL BCLL BCDL		SPACING- Plate Grip I Lumber DO Rep Stress	2-0-0 DOL 1.15 DL 1.15	CSI. TC BC WB	0.99 0.98 0.99 ix-SH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) -0.29 16-18	l/defl L/d >999 240 >999 180 n/a n/a	PLATES GRIP MT20 244/190 MT20HS 187/143 Weight: 263 lb FT = 20%
LUMBER- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 *Except* B2: 2x4 SP No.1 BRACING- TOP CHORD WEBS 2x4 SP No.1 WEBS 2x4 SP No.3 BOT CHORD 2x4 SP No.1 BOT CHORD BOT CHORD Regid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: 16-18,13-15. WEBS 1 Row at midpt 5-18, 7-13 MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.									
REACTIONS.	Max Horz 20= Max Uplift20=	=1765/0-3-8 (mir =91(LC 14) =-87(LC 14), 11= =2023(LC 39), 11	-69(LC 15)	3/Mechanical					
TOP CHORD	FORCES. (Ib) - Max. Comp./Max. Ten All forces 250 (Ib) or less except when shown. TOP CHORD 2-21=-2990/309, 3-21=-2898/326, 3-22=-2981/336, 4-22=-2942/359, 4-5=-2624/354, 5-23=-3408/390, 6-23=-3408/390, 6-24=-3404/390, 7-24=-3404/390, 7-8=-2609/352, 8-25=-2925/358, 9-25=-2965/336, 9-26=-2861/322, 10-26=-2943/304, 2-20=-1955/237, 10-11=-1846/203 BOT CHORD 19-20=-135/407, 18-19=-248/2592, 18-27=-241/3314, 17-27=-241/3314, 17-28=-241/3314, 16-28=-241/3314, 16-28=-246/3521, 29-30=-246/3521, 15-30=-246/3521, 15-31=-241/3311, 14-31=-241/3311, 14-31=-241/3311, 13-32=-241/3311, 12-13=-246/2559, 11-12=-27/282 WEBS 3-18=-447/175, 4-18=-38/1028, 5-18=-1151/141, 5-16=-2/470, 6-16=-259/75, 6-15=-268/75, 7-15=-2/478, 7-13=-1164/141, 8-13=-39/1022, 9-13=-430/194, 2-19=-210/2347, 10-12=-231/2398								
between th	ne bottom chord	and any other m	embers, with BC	DL = 10.0psf.			-	-	28147
vertically. Ap of individual w responsibility <i>Plate Connect</i>	pplicability of designed web members only of the building de	ign parameters and p y. Additional tempo esigner. For general <i>Construction</i> and BC	proper incorporation prary bracing to ens guidance regarding	n of component i ure stability durin fabrication, qua	s responsibili ng constructio lity control, s	ty of building designe on is the responsibility torage, delivery, erec	er – not truss design y of the erector. A tion and bracing, c	ner or truss engineer. dditional permanent b onsult ANSI/TPI 1 <i>N</i> a	ent to be installed and loaded Bracing shown is for lateral support racing of the overall structure is the <i>ational Design Standard for Metal</i> from Truss Plate Institute, 583

D'Onofrio Drive, Madison, WI 53719.

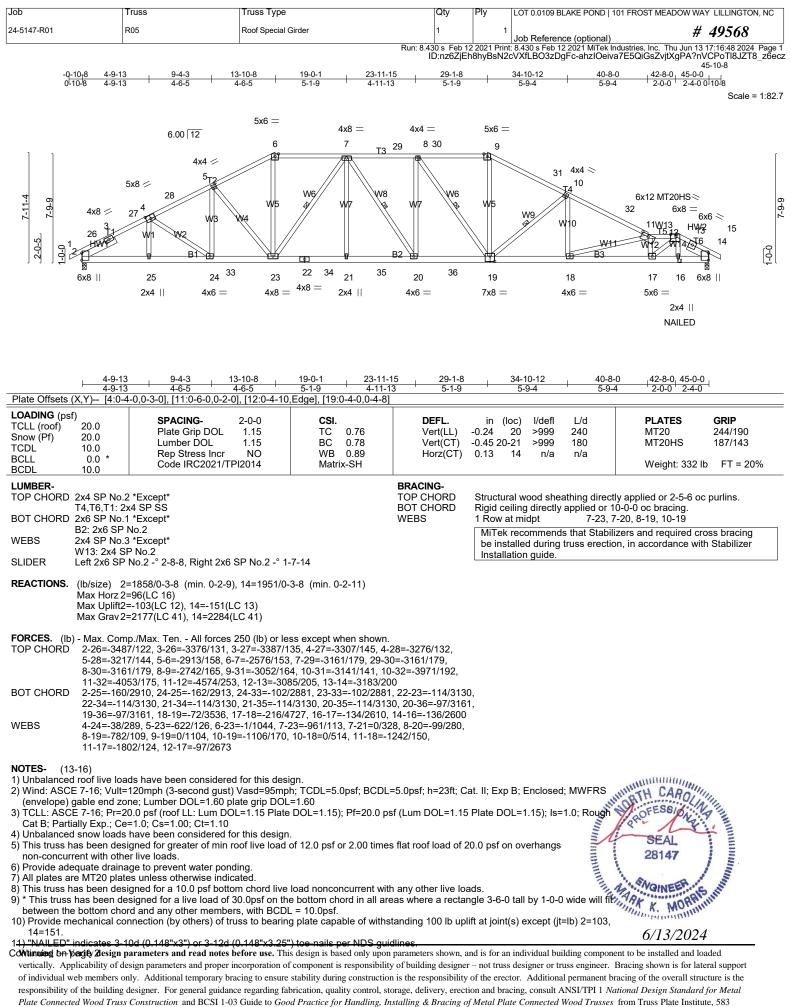
Job	Truss	Truss Type	Qty	Ply	LOT 0.0109 BLAKE POND 101 FROST	MEADOW WAY LILLINGTON, NC
24-5147-R01	R04	Hip	1	1	Job Reference (optional)	# 4956 8
	·	· · ·			it: 8.430 s Feb 12 2021 MiTek Industries, In Xfl BO3zDaEc-6LIPwBlbHpa6EoYba2	

NOTES- (12-15)

- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 20, 11.
- 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 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 OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENCINEER FOR ADDITIONAL DEACING CONCEPTENTIONS. ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard





D'Onofrio Drive, Madison, WI 53719.

u Flate Connectea wood Trusses from truss Fl

Job	Truss	Truss Type	Qty	Ply	LOT 0.0109 BLAKE POND 101 FROST MEADOW WAY LILLINGTON, NC		
24-5147-R01	R05	Roof Special Girder	1	1	Job Reference (optional) # 49568		
Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jun 13 17:16:48 2024 Page 2 ID:nz6ZjEh8hyBsN2cVXfLBO3zDgFc-ahzIOeiva7E5QiGsZvjtXgPA?nVCPoTI8JZT8_z6ecz							

NOTES- (13-16)

- 12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- 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.
- 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
- 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

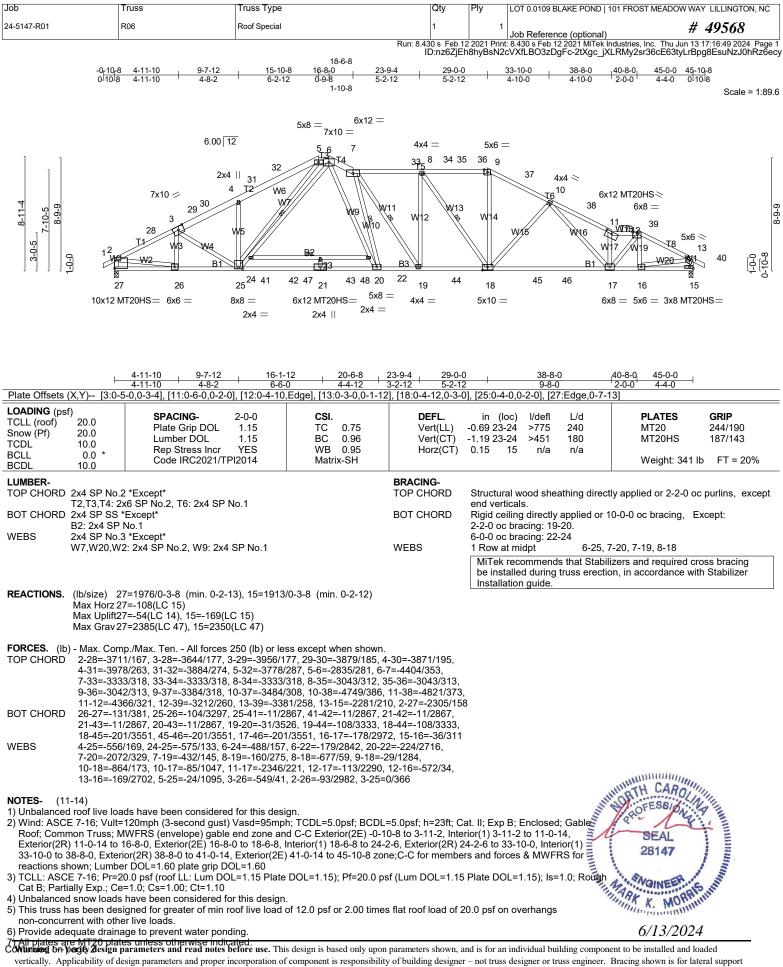
Uniform Loads (plf)

Vert: 1-6=-60, 6-9=-60, 9-11=-60, 11-12=-60, 12-15=-60, 2-14=-20

Concentrated Loads (lb) Vert: 16=-104(F)



6/13/2024



of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSUTP1 1 National Design Standard for Metal Plate Connected Wood Trusses from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0109 BLAKE POND 101 FROST MEA	DOW WAY LILLINGTON, NC	
24-5147-R01	R06	Roof Special	1	1	Job Reference (optional)	# 49568	
Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jun 13 17:16:50 2024 Page 2 ID:nz6ZjEh8hyBsN2cVXfLBO3zDgFc-W352pKj96lUpg0QFgJILc5UWbb8vth62cd2aDtz6ecx							

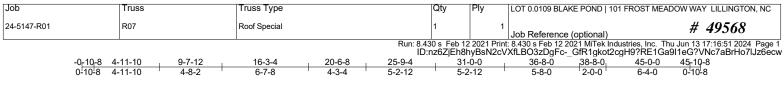
NOTES- (11-14)

- 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 joint(s) 27 except (jt=lb) 15=169. 11) 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. 12) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 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
- 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.

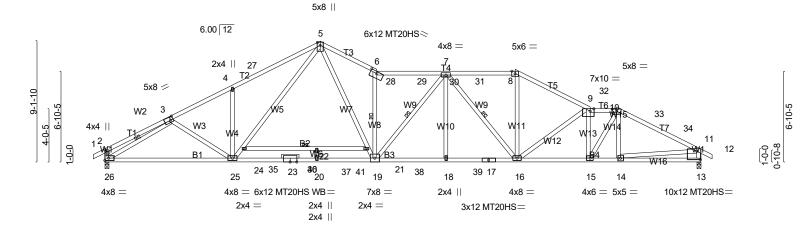
LOAD CASE(S) Standard



6/13/2024



Scale = 1:87.0



	 	9-7-12	15-10-4 6-2-8	16-3-4 20 0-5-0 4-			1-0-0 -2-12	36-8-0 5-8-0	38-8-0	45-0-0 6-4-0	
Plate Offsets	(X,Y) [2:0-2	-0,0-1-12], [3:0-2-4,0-3-0	0], [6:0-6-0,0-	2-0], [9:0-3-	-6,Edge], [1	0:0-4-0,0-1-15], [1:	3:Edge,0-7-13	8]			
LOADING (psi	f)	SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/dofl	l /d	PLATES	GRIP
TCLL (roof)	20.0						in (loc)	l/defl	L/d	-	
Snow (Pf)	20.0	Plate Grip DOL	1.15	TC	0.88	Vert(LL)	-0.78 20-25	>687	240	MT20	244/190
TCDL` ´	10.0	Lumber DOL	1.15	BC	0.88	Vert(CT)	-1.29 22-24	>415	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES		1.00	Horz(CT)	0.16 13	n/a	n/a		
BCDL	10.0	Code IRC2021/TI	PI2014	Matr	rix-SH					Weight: 303	lb FT = 20%
UMBER-						BRACING-					
	2x4 SP No.2	*Evcent*				TOP CHORD	Structural w	ood shaa	thing direct	ly applied, except e	and verticals
		SP SS, T7: 2x4 SP No.1				BOT CHORD				0-0-0 oc bracing. E	
	2x4 SP SS *					BOT CHOILD	6-0-0 oc bra			0-0-0 OC bracing. L	-xcept.
	B4: 2x4 SP N					WEBS	1 Row at mi		-	7-19, 7-16, 3-26	
VEBS	2x4 SP No.3						MiTek reco	ommends	that Stabili	zers and required o	cross bracing
		6: 2x4 SP No.2					be installe	d during t	russ erectio	on, in accordance w	ith Stabilizer
DTHERS	2x4 SP No.3						Installation	n guide.		,	
REACTIONS.	Max Horz 26	8=1914/0-3-8 (min. 0-2-5 6=113(LC 14) 8=-170(LC 15), 26=-56(L		0-3-8 (min.	0-2-9)						
		3=2147(LC 45), 26=2148									
		2(200), 20.20	(20 0 !)								
TOP CHORD BOT CHORD WEBS	6-28=-3770 8-31=-2995 33-34=-313 25-26=-121 19-37=0/29 16-17=-144 3-25=0/344 19-21=-212	4, 3-4=-3539/178, 4-27= //278, 28-29=-3771/278, 5/340, 8-32=-3380/340, 4 35/295, 11-34=-3262/28 1/2914, 25-35=0/2555, 3 555, 19-38=-144/3649, 4/3649, 15-16=-263/3524 t, 4-25=-577/181, 24-25 2/2739, 6-19=-2116/201, 145, 9-15=-1350/150, 11	, 7-29=-3773/ 9-32=-3403/3 1, 2-26=-424/ 35-36=0/2555 18-38=-144/3 9, 14-15=-200 =-158/959, 5- , 7-19=-139/4	277, 7-30= 19, 9-10=-3 94, 11-13= , 23-36=0/2 649, 18-39= 0/2823, 13- 24=-113/10 32, 7-16=-1	-2998/339, 3 3579/375, 10 -2077/235 2555, 20-23= =-144/3649, 14=-92/560 029, 5-21=-1 1069/25, 8-1	30-31=-2998/340, -33=-3128/305, =0/2555, 20-37=0/ 17-39=-144/3649 67/2870, 6=-22/1272,					
5) This truss h non-concur 6) Provide ade 7) All plates al 3) This truss h	d roóf live load E 7-16; Vult= mon Truss; M) 11-5-10 to 1 36-8-0, Exterid hown; Lumber E 7-16; Pr=20 ially Exp.; Ce= d snow loads as been desig rent with othe equate draina re MT20 plate mas been desig	ds have been considere 120mph (3-second gust) WFRS (envelope) gable 6-3-4, Exterior(2E) 16-3 or(2R) 36-8-0 to 41-0-14 r DOL=1.60 plate grip D 0.0 psf (roof LL: Lum DC =1.0; Cs=1.00; Ct=1.10 have been considered fo gned for greater of min r r live loads. ge to prevent water pom es unless otherwise indic gned for a 10.0 psf botto signed for a live load of	roof live load ding. cated. om chord live	of 12.0 psf	or 2.00 time	s flat roof load of 2 h any other live lo	20.0 psf on ov ads.	erhangs	Gable 0, or(1) S for 1.0; Rough wide will fit	ARAK K. MOR	A A A A A A A A A A A A A A A A A A A
		d and any other membe						~; 100		0/15/202	4
		arameters and read notes				n parameters shown, a	and is for an indi	ividual buil	ding compone	ent to be installed and	loaded
0 1		sign parameters and proper i		0		•			· ·		
								0	0	-	
		ly. Additional temporary br	0		0				•	0	
responsibility of	of the building d	lesigner. For general guidan	ce regarding fa	brication, qua	dity control, s	torage, delivery, erect	tion and bracing,	, consult A	NSI/TPI 1 Na	itional Design Standar	d for Metal

Plate Connected Wood Truss Construction and BCSI 1-03 Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses from Truss Plate Institute, 583

D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0109 BLAKE POND 101 FROST	MEADOW WAY LILLINGTON, NC
24-5147-R01	R07	Roof Special	1	1	Job Reference (optional)	# 49568
	· ·	· · · ·			t: 8.430 s Feb 12 2021 MiTek Industries, In (XfI BO3zDaEc- CfB1akot2caH92BE	

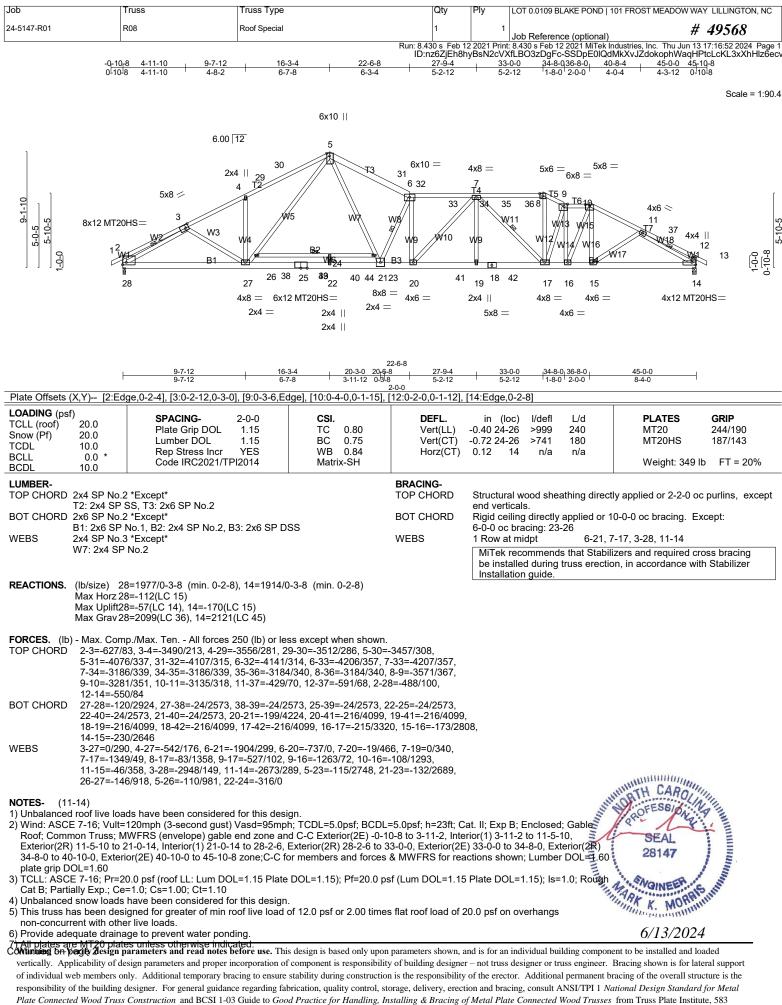
NOTES- (11-14)

- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 26 except (jt=lb) 13=170.
- 11) 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. 12) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 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 OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENCINEER FOR ADDITIONAL DEACING CONCEPTENTIONS. ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



6/13/2024



D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0109 BLAKE POND 101 FROST MEADOW WAY LILLINGTON, NC		
24-5147-R01	R08	Roof Special	1	1	Job Reference (optional) # 49568		
Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jun 13 17:16:52 2024 Page 2 ID:nz6ZjEh8hyBsN2cVXfLBO3zDgFc-SSDpE0IQdMkXvJZdokophWaqHPtcLcKL3xXhHlz6ecv							

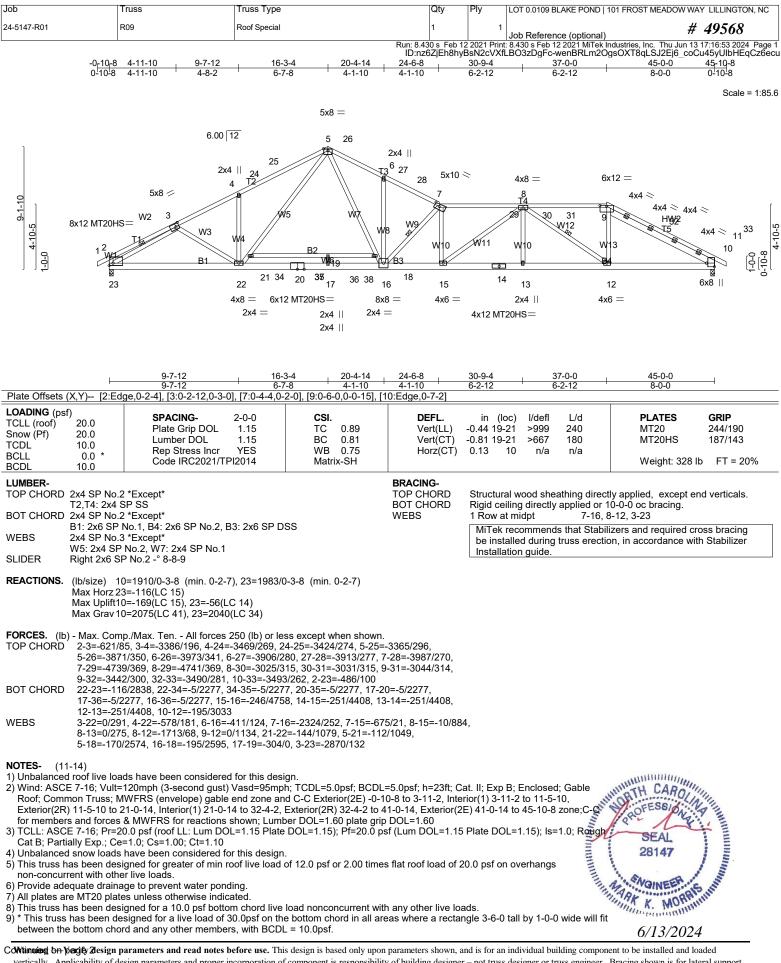
NOTES- (11-14)

- 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 joint(s) 28 except (jt=lb) 14=170. 11) 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. 12) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 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
- 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



6/13/2024



vertically. Applicability of design parameters and route network and route only design is observed any dyna parameters and not backed only dyna parameters and not backed on proper incomponent of the operation of component is responsibility of building designer – not truss designer or truss engineer. Bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Trusse Construction* and BCSI 1-03 Guide to *Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0109 BLAKE POND 101 FROST	MEADOW WAY LILLINGTON, NC	
24-5147-R01	R09	Roof Special	1	1	Job Reference (optional)	# 49568	
Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jun 13 17:16:53 2024 Page 2							

NOTES- (11-14)

- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 23 except (jt=lb) 10=169.
- 11) 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. 12) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 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 OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENCINEER FOR ADDITIONAL DEACING CONCEPTENTIONS. ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



6/13/2024

Job	Tr	USS	Truss Type	Qty	Ply LOT 0.0109	BLAKE POND	101 FROST MEADOW WAY LILLINGTON, NC	
24-5147-R01	R1	0	Roof Special	1	1		# 49568	
				Run: 8.430 s Feb 1	Job Refer 2 2021 Print: 8.430 s Fet	ence (optional) o 12 2021 MiTek li	ndustries, Inc. Thu Jun 13 17:16:54 2024 Page 1 bz_E8dj0v9qHmxf8hCX5pUqdXF0nMez6ect	
-0-10	8 4-11-10	9-7-12	16-3-4 20-4-14	26-6-8 2	9-8-12 32-9-4	39-0-0	45-0-0 45-10-8	
0-10-	-8 4-11-10	4-8-2	6-7-8 4-1-10	6-1-10	3-2-4 3-0-8	6-2-12	6-0-0 0 ⁻ 10 ⁻ 8	
			5x8				Scale = 1:79.6	
1		6.00 12	6					
				x4 29				
		2x4 26 5 12			1T20HS≪			
6	5x6				4x6 $4x4 = 40$		5x6 =	
9-1-10	4x6 🖉		W3 W5	8	4x4 = 10 <u>9 T4</u>			
-5	3	W2 /	W6	W7	31	32 33 W10		
د م 10-2 1	E AN	WT	B2	WB	W9 W9 WB		$\begin{array}{c} 12 \\ 12 \\ 14 \\ 13 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $	
	8	B12	⁴ ³⁵ ³⁶ ²³ ³⁸ ²⁰ ³⁷ ³⁹ ¹⁹	83 tér		B4		
6>	(8	25	20 13	18	17 16		15 7x8	
		4x8 == 2x4 =	6x12 MT20HS = 7x8 = = 2x4 2x4 =		= 4x6 = x12 MT20HS=		4x6 =	
			2x4	·				
	. 9	7-12	16-3-4 _ 20-4-14 _	26-6-8	32-9-4	39-0-0	45-0-0	
Plate Offsets	9-		6-7-8 4-1-10	6-1-10	6-2-12	6-2-12	6-0-0	
LOADING (ps			2.0.0	DEEL	in (las) l/daf			
TCLL (roof) Snow (Pf)	20.0	SPACING- Plate Grip DOL	2-0-0 CSI. 1.15 TC 0.93	DEFL. Vert(LL)	in (loc) l/def -0.50 22-24 >999	240	PLATES GRIP MT20 244/190	
TCDL`́	10.0	Lumber DOL Rep Stress Incr	1.15 BC 0.88 YES WB 0.97	Vert(CT) Horz(CT)	-0.94 22-24 >577 0.15 13 n/a		MT20HS 187/143	
BCLL BCDL	0.0 * 10.0	Code IRC2021/TF	Matrix-SH				Weight: 312 lb FT = 20%	
LUMBER- TOP CHORD	274 60 66			BRACING- TOP CHORD	Structural wood of	oothing direct	the applied	
	2x6 SP No.1			BOT CHORD	Structural wood sheathing directly applied. Rigid ceiling directly applied or 10-0-0 oc bracing. Except: 6-0-0 oc bracing: 21-24 1 Row at midpt 8-19, 10-15			
WEBS	82: 2x4 SP N 2x4 SP No.3	o.2, B3: 2x6 SP DSS 'Except*		WEBS				
SLIDER	W5: 2x4 SP N Left 2x6 SP N	lo.2 o.2 -° 2-9-7, Right 2x6 \$	SP No.2 -° 3-3-7		MiTek recommends that Stabilizers and required cross bracin be installed during truss erection, in accordance with Stabilize			
	(lb/size) 0-4	1000/0 2 0 (min 0 0 0)	10-1010/0 0 0 (min 0 0 7)		Installation guide			
REACTIONS.	Max Horz 2=	13(LC 14)	, 13=1918/0-3-8 (min. 0-2-7)					
		54(LC 14), 13=-168(LC 2033(LC 3), 13=2052(L0						
FORCES. (It) - Max Comp	/Max Ten - All forces	250 (lb) or less except when show	wn				
TOP CHORD	2-3=-3439/1	69, 3-4=-3368/190, 4-5	-3400/184, 5-26=-3504/259, 26 -28=-4154/321, 7-29=-3976/254	-27=-3459/265,				
	8-30=-4180/	239, 8-9=-5913/404, 9-	31=-5142/383, 10-31=-5142/383	, 10-32=-2795/264,				
BOT CHORD			, 11-34=-3228/271, 12-34=-3244 5-36=-18/2454, 23-36=-18/2454,		45			
		454, 19-37=-18/2454, 1 5142, 13-15=-179/2842	8-19=-320/5941, 17-18=-315/55	30, 16-17=-315/5530	,			
WEBS	4-25=0/307,	5-25=-626/183, 24-25=	-145/1029, 6-24=-115/1104, 6-2 -19=-3102/309, 8-18=-721/41, 10					
			20-22=-311/0, 9-18=-5/853, 9-16					
NOTES- (1								
1) Unbalance 2) Wind: ASC	d roof live load E 7-16: Vult=1	s have been considered 20mph (3-second gust)	l for this design. Vasd=95mph; TCDL=5.0psf; BC	DL=5.0psf: h=23ft: C	at. II: Exp B: Enclos	ed: Gable	and the second s	
Roof; Com	mon Truss; MV	VFRS (envelope) gable	Vasd=95mph; TCDL=5.0psf; BC end zone and C-C Exterior(2E) - 4 to 34-2-6, Exterior(2R) 34-2-6 + shown; Lumber DOL=1.60 plate e L=1.15 Plate DOL=1.15); Pf=20.6	0-10-8 to 3-11-2, Inte	rior(1) 3-11-2 to 11-	5-10, -8 zone:C-C-	WINGTH CAROLINI	
for membe	rs and forces &	MWFRS for reactions	shown; Lumber DOL=1.60 plate	grip DOL=1.60			OFESSION AND IT	
Cat B; Part	ially Exp.; Ce=	0 psf (roof LL: Lum DO 1.0; Cs=1.00; Ct=1.10	L=1.15 Plate DOL=1.15); Pf=20.0	ν μει (Luin DOL=1.15	Fiate DUL-1.15); I	s- i.u, Rough	SEAL	
		ave been considered fo ned for greater of min re	r this design. oof live load of 12.0 psf or 2.00 tii	mes flat roof load of 2	20.0 psf on overhang	gs iii	28147	
non-concu	rrent with other				·	gs	No. a I	
7) All plates a	ire MT20 plates	unless otherwise indic		with any other live la	ade	Inthe	ARECORD	
9) * This truss	s has been des	gned for a live load of 3	0.0psf on the bottom chord in all)-0 wide will fit	Manager Monant	
			s, with BCDL = 10.0psf. iss to bearing plate capable of wi	ithstanding 100 lb upl	ift at joint(s) 2 excep	ot (jt=lb)	SEAL 28147 6/13/2024	
			efore use. This design is based only u			building compon	ent to be instaned and loaded	
			acorporation of component is responsi- icing to ensure stability during constru-		-	-		

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 0.0109 BLAKE POND 101 FROST M	EADOW WAY LILLINGTON, NC
24-5147-R01	R10	Roof Special	1	1	Job Reference (optional)	# 49568
Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jun 13 17:16:54 2024 Page 2						

ID:nz6ZjEh8hyBsN2cVXfLBO3zDgFc-OrLZfhng9z_E8dj0v9qHmxf8hCX5pUqdXF0nMez6ect 11) 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. 12) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

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 Trustees 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 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



6/13/2024

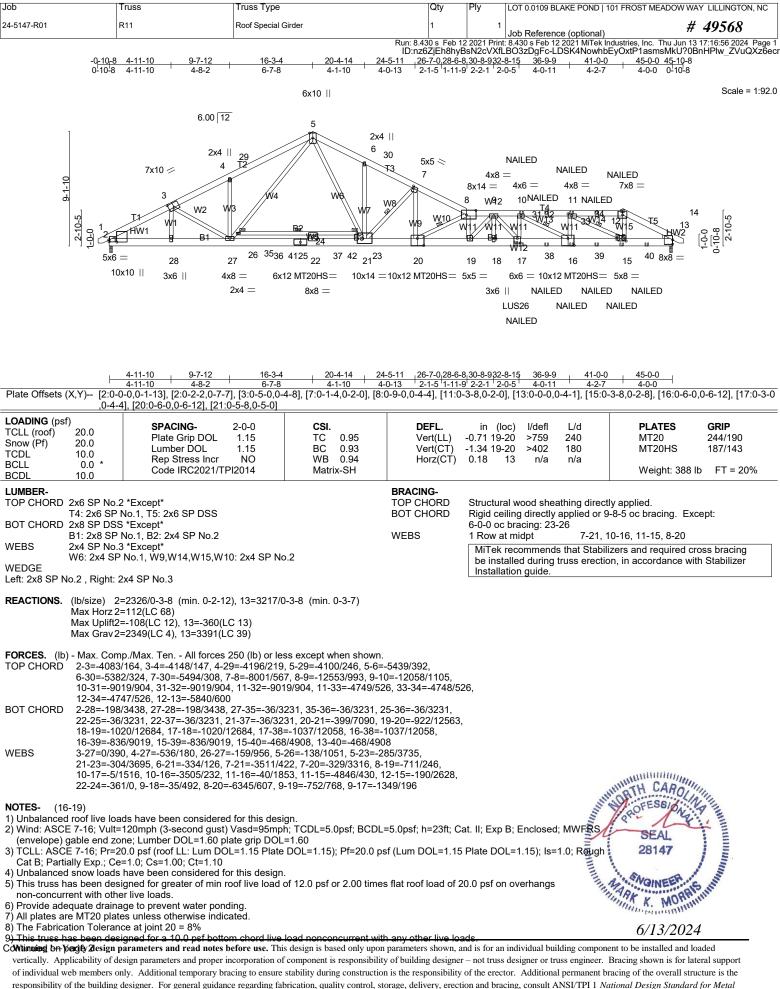


Plate Connected Wood Truss Construction and BCSI 1-03 Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0109 BLAKE POND 101 FROST MEADOW WAY LILLINGTON, NC				
24-5147-R01	R11	Roof Special Girder	1	1	Job Reference (optional) # 49568				
Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jun 13 17:16:56 2024 Page 2 ID:nz6ZjEh8hyBsN2cVXfLBO3zDgFc-LDSK4NowhbEyOxtP1asmsMkU?0BnHPIw_ZVuQXz6ecr									

NOTES- (16-19)

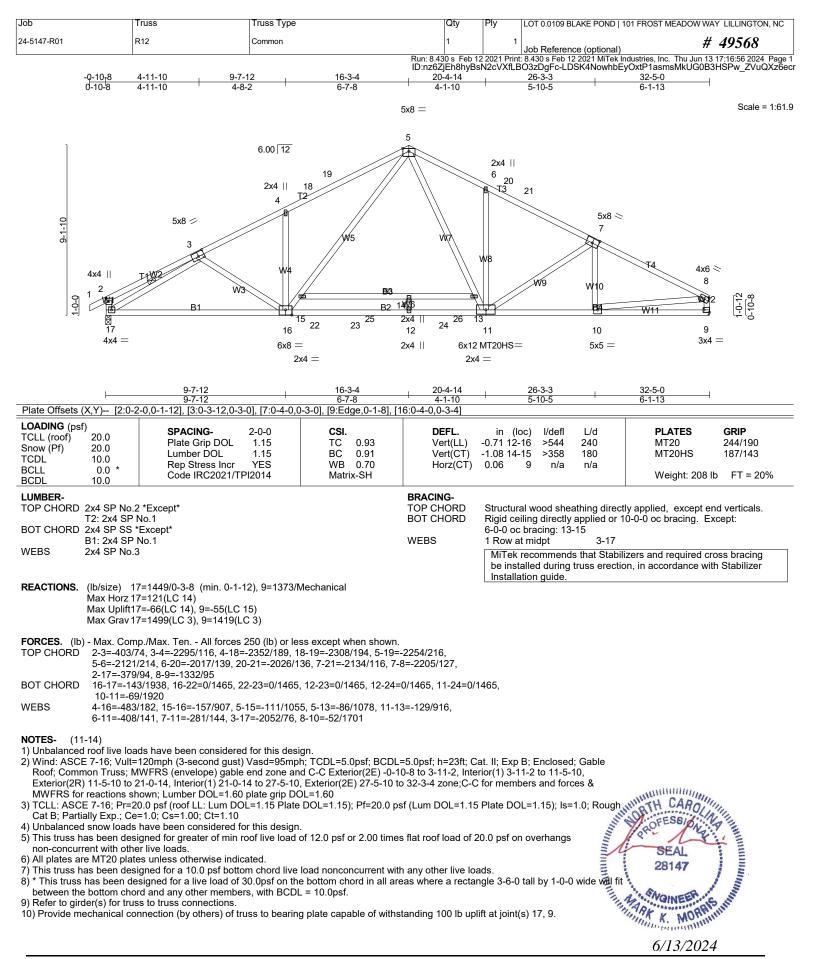
- 10) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=108, 13=360.
- 12) Use Simpson Strong-Tie LUS26 (4-10d Girder, 4-10d Truss, Single Ply Girder) or equivalent at 32-5-12 from the left end to connect truss(es) J05 (1 ply 2x6 SP) to back face of bottom chord.
- 13) Fill all nail holes where hanger is in contact with lumber.
 14) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
- 15) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- 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

- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
- Uniform Loads (plf) Vert: 1-5=-60, 5-8=-60, 8-12=-60, 12-14=-60, 2-13=-20, 23-26=-20
- Concentrated Loads (lb)
 - Vert: 12=-94(B) 10=-96(B) 17=-913(B) 16=-27(B) 11=-94(B) 15=-27(B) 32=-94(B) 34=-94(B) 38=-27(B) 39=-27(B) 40=-175(B)



6/13/2024



Job	Truss	Truss Type	Qty	Ply	LOT 0.0109 BLAKE POND 101 FROST MEADO	WWAY LILLINGTON, NC	
24-5147-R01	R12	Common	1	1	Job Reference (optional)	# 49568	
Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jun 13 17:16:56 2024 Page 2							

ID:nz6ZjEh8hyBsN2cVXfLBO3zDgFc-LDSK4NowhbEyOxtP1asmsMkUG0B3HSPw_ZVuQXz6ecr 11) 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. 12) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

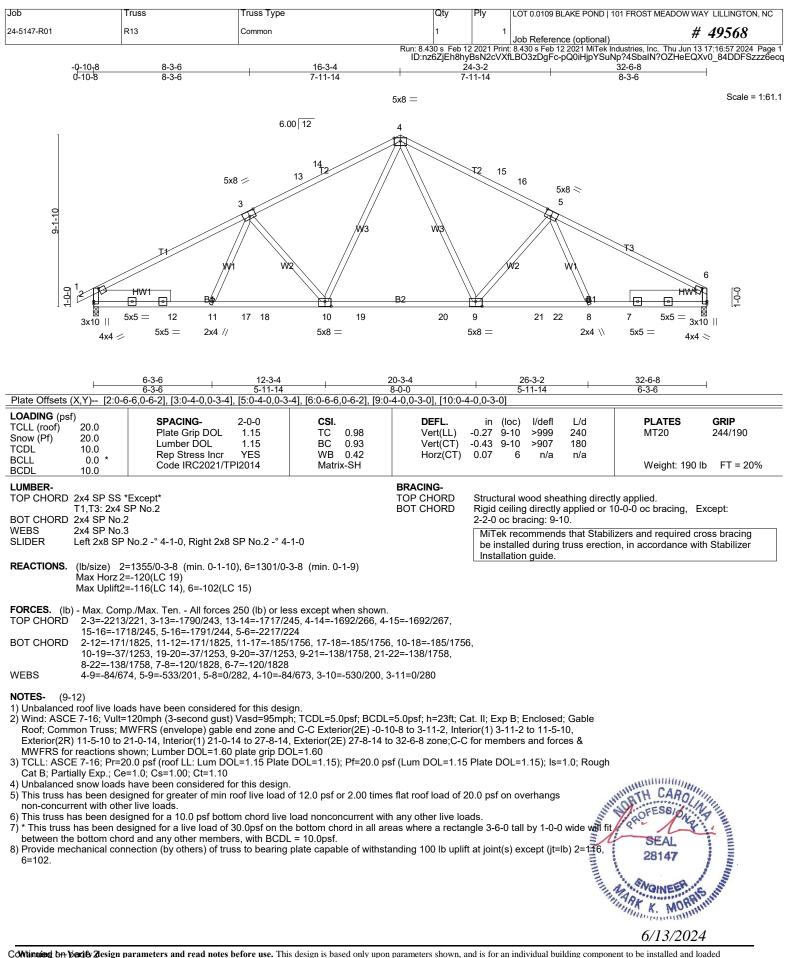
13) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate

Connected Wood Trustees 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 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



6/13/2024



Job	Truss	Truss Type	Qty	Ply	LOT 0.0109 BLAKE POND 101 FROST	MEADOW WAY LILLINGTON, NC	
24-5147-R01	R13	Common	1	1	Job Reference (optional)	# 49568	
Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jun 13 17:16:57 2024 Page 2							

ID:nz6ZjEh8hyBsN2cVXfLBO3zDgFc-pQ0iHjpYSuNp?4SbalN?OZHeEQXv0_84DDFSzzz6ecq 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

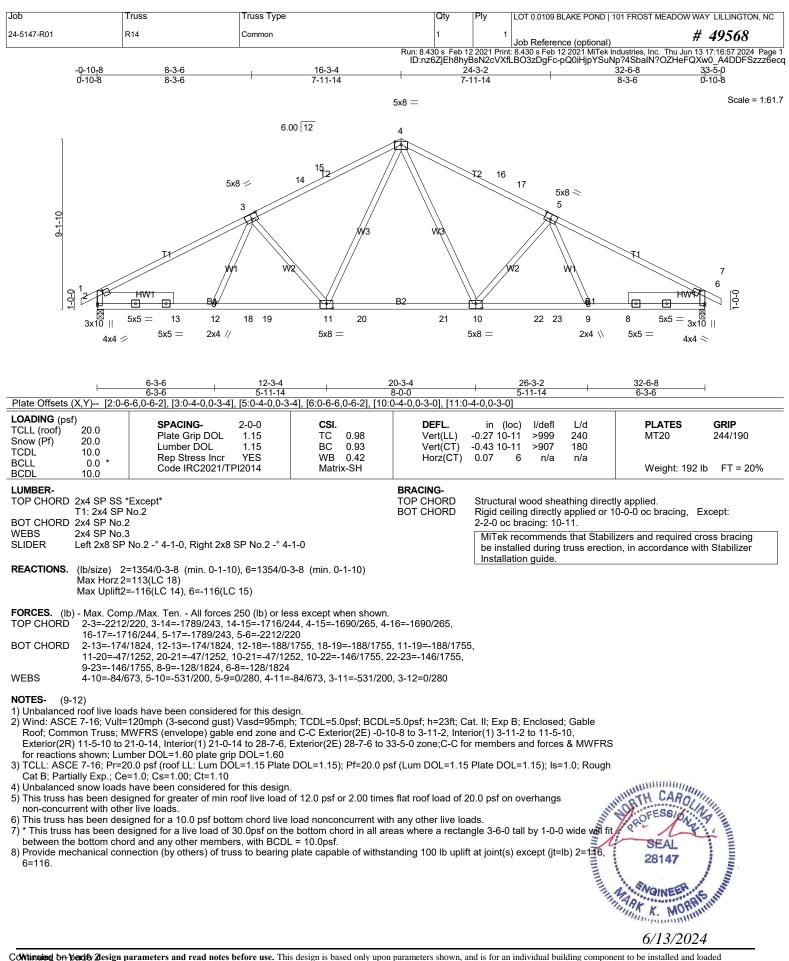
loads indicated. 11) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate

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



6/13/2024



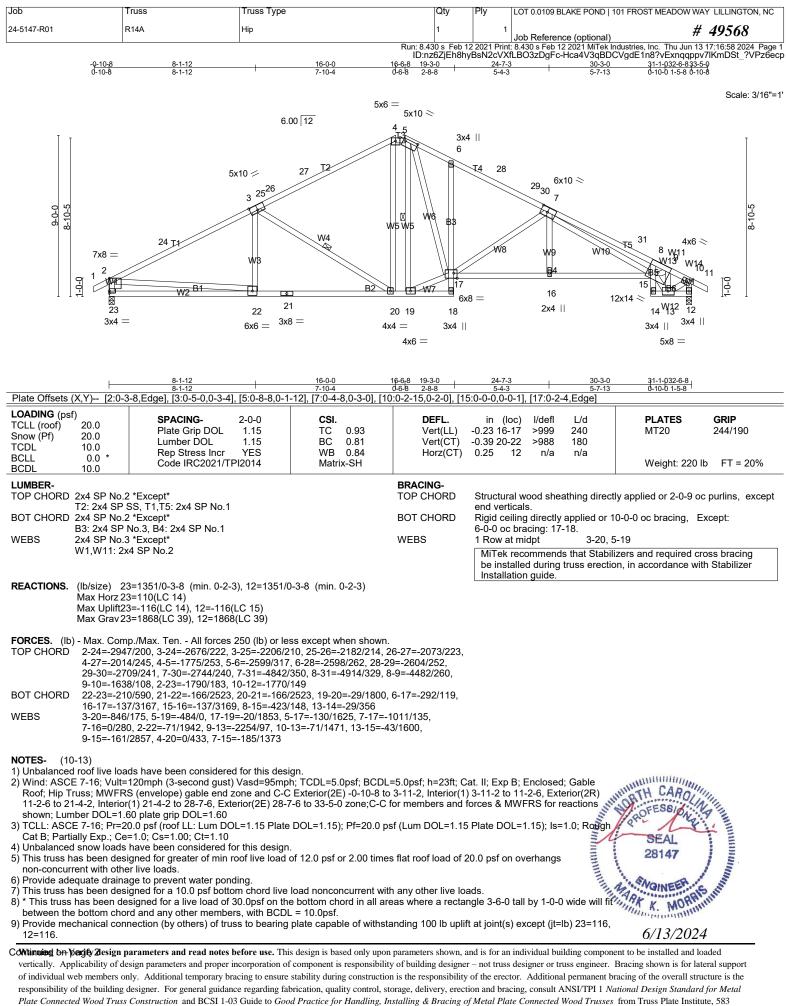
Job	Truss	Truss Type	Qty	Ply	LOT 0.0109 BLAKE POND 101 FROST MEA	DOW WAY LILLINGTON, NC	
24-5147-R01	R14	Common	1	1	Job Reference (optional)	# 49568	
Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jun 13 17:16:57 2024 Page 2							

ID:nz6ZjEh8hyBsN2cVXfLBO3zDgFc-pQ0iHjpYSuNp?4SbalN?OZHeFQXw0_A4DDFSzzz6ecq

- 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.
- 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
- 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





D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0109 BLAKE POND 101 FROST ME	ADOW WAY LILLINGTON, NC
24-5147-R01	R14A	Нір	1	1	Job Reference (optional)	# 49568
		Ru	in: 8.430 s Feb 12	2021 Print	: 8.430 s Feb 12 2021 MiTek Industries. Inc.	Thu Jun 13 17:16:58 2024 Page 2

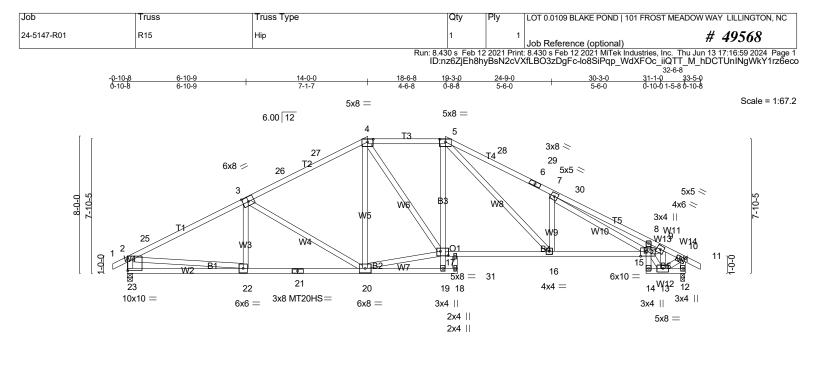
ID:nz6ZjEh8hyBsN2cVXfLBO3zDgFc-Hca4V3qBDCVgdE1n8?vExnqqppv7lKmDSt_?VPz6ecp

- 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



6/13/2024



32-6-8

		6-10-9	14	-0-0	19-3-0	24-9-0	30-3-0	32-6-8 31-1-0	
		6-10-9	7-	1-7	5-3-0	5-6-0	5-6-0	0-10-0 1-5-8	
Plate Offsets ()	K,Y) [3:0-4	-0,0-3-4], [4:0-4-0,0-1-	15], [5:0-4-0,0-	1-15], [10:0-2-15,0-	2-0], [15:0-3-12,Edge], [17:0-5-8,0-3-0], [2	23:Edge,0-7-13	3]	
LOADING (psf) TCLL (roof) Snow (Pf) TCDL BCLL BCDL	20.0 20.0 10.0 0.0 * 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2021/7	2-0-0 1.15 1.15 YES IPI2014	CSI. TC 0.98 BC 0.99 WB 0.89 Matrix-SH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) l/de -0.23 15-16 >999 -0.38 16-17 >999 0.23 12 n/a	9 240 9 180	PLATES GRIP MT20 244/190 MT20HS 187/143 Weight: 210 lb FT = 20%	
BOT CHORD 2	T3: 2x4 SP N	No.2 *Except*			BRACING- TOP CHORD BOT CHORD	Rigid ceiling direct 10-0-0 oc bracing	tly applied or 2 : 17-19	ly applied, except end verticals. -2-0 oc bracing. Except:	
WEBS 2	2x4 SP No.3 W1,W11: 2x	*Except*					ng truss erectio	zers and required cross bracing on, in accordance with Stabilizer	
OTHERS 2	2x4 SP No.3	1				inotaliation guid			
	Max Horz 23 Max Uplift23 Max Grav 23	3=1358/0-3-8 (min. 0-2 3=97(LC 14) 3=-102(LC 14), 12=-100 3=1820(LC 39), 12=182	D(LC 15) 22(LC 39)						
TOP CHORD	2-25=-279 4-5=-2028/	p./Max. Ten All force: 7/220, 3-25=-2544/247 288, 5-28=-3318/390, 2 1/367, 8-30=-4756/362, 26/162	, 3-26=`-2́165/2 28-29=-3322/3	49, 26-27=-1986/25 78, 6-29=-3434/36	56, 4-27=-1967/270, 7, 6-7=-3480/366,				
BOT CHORD WEBS	BOT CHORD 22-23=-153/461, 21-22=-149/2392, 20-21=-149/2392, 5-17=-28/307, 17-31=-82/2042, 16-31=-82/2042, 15-16=-176/2982, 8-15=-432/128, 13-14=-26/322								
 2) Wind: ASCE Roof; Hip Tru 9-2-6 to 23-4 shown; Lumt 3) TCLL: ASCE Cat B; Partia 4) Unbalanced 5) This truss ha non-concurre 6) Provide adee 7) All plates are 8) This truss ha 9) * This truss ha 	roof live load 7-16; Vult=: uss; MWFRS -2, Interior(1 per DOL=1.6 5 7-16; Pr=20 Illy Exp.; Ce: snow loads is been desi ent with othe quate draina > MT20 plate as been desi bottom chor	ds have been consider 120mph (3-second gus S (envelope) gable end I) 23-4-2 to 28-7-6, Ext 50 plate grip DOL=1.60 0.0 psf (roof LL: Lum D =1.0; Cs=1.00; Ct=1.10 have been considered gned for greater of min r live loads. ge to prevent water pois sunless otherwise ind gned for a 10.0 psf bot signed for a live load o d and any other memb nnection (by others) of	t) Vasd=95mpl zone and C-C erior(2E) 28-7- OL=1.15 Plate for this design roof live load of nding. icated. tom chord live f 30.0psf on the ers, with BCDL	7; TCDL=5.0psf; B(Exterior(2E) -0-10- 6 to 33-5-0 zone;C- DOL=1.15); Pf=20 of 12.0 psf or 2.00 t load nonconcurren bottom chord in a = 10.0psf.	-8 to 3-11-2, Interior(1 -C for members and fo .0 psf (Lum DOL=1.1 times flat roof load of t with any other live lo II areas where a recta) 3-11-2 to 9-2-6, Exporces & MWFRS for 5 Plate DOL=1.15); 20.0 psf on overhan ads. ngle 3-6-0 tall by 1-0	sed; Gable (terior(2R) reactions Is=1.0; Rough gs 0-0 wide will fit (jt=lb) 23=102	SEAL 28147 6/13/2024	
-, -= -00.	arify Hesion n	arameters and read notes	s before use. Thi	s design is based only	upon parameters shown	and is for an individual	building compone	ent to be installed and loaded	
	• • •						building compone	Bracing shown is for lateral support	
	-		-			-	-	racing of the overall structure is the	
responsibility of	f the building d	lesigner For general guida	unce regarding fal	rication quality contr	ol storage delivery erec	tion and bracing consu	It ANSI/TPI 1 No	utional Design Standard for Metal	

responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 National Design Standard for Metal Plate Connected Wood Truss Construction and BCSI 1-03 Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0109 BLAKE POND 101 FROST M	EADOW WAY LILLINGTON, NC
24-5147-R01	R15	Нір	1	1	Job Reference (optional)	# 49568
		F	Run: 8.430 s Feb 12	2021 Print	: 8.430 s Feb 12 2021 MiTek Industries. Inc.	Thu Jun 13 17:16:59 2024 Page 2

ID:nz6ZjEh8hyBsN2cVXfLBO3zDgFc-lo8SiPqp_WdXFOc_iiQTT_M_hDCTUnINgWkY1rz6eco

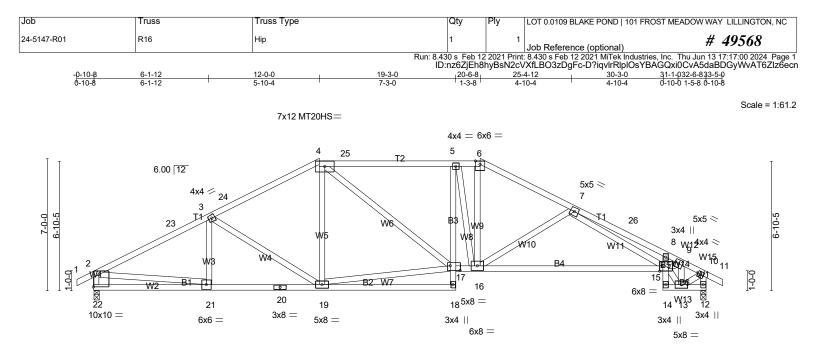
11) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced. 12) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

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 Trustees 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 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





	⊢ <u>6-1-</u> 6-1-	-12	12-0-0 5-10-4		19-3-0 7-3-0	20-6-8 1-3-8		30-3-0 9-8-8	31-1-032-6-8 0-10-0 1-5-8	
Plate Offsets	(X,Y) [15:0-2-0	0,Edge], [17:0-6-4,0-	3-0], [22:Edge,0	-7-13]					1	
LOADING (ps TCLL (roof) Snow (Pf) TCDL BCLL BCDL	sf) 20.0 20.0 10.0 0.0 * 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2021/7	2-0-0 1.15 1.15 YES PI2014		0.94 0.83 0.73 ix-SH	DEFL. Vert(LL) Vert(CT) Horz(CT)	-0.26 15-16 >	/defl L/d 9999 240 667 180 n/a n/a	PLATES GRIP MT20 244/190 MT20HS 187/143 Weight: 212 lb FT = 20%	
LUMBER- BRACING- TOP CHORD 2x4 SP No.2 *Except* TOP CHORD TOP CHORD 2x4 SP No.1 TOP CHORD BOT CHORD 2x4 SP No.2 *Except* B3,B5: 2x4 SP No.3, B4: 2x4 SP No.1 WEBS 2x4 SP No.3 *Except* W12: 2x4 SP No.2 BOT CHORD REACTIONS. (lb/size) 22=1351/0-3-8 (min. 0-2-1), 12=1351/0-3-8 (min. 0-2-1) Max Horz 22=-84/LC 15) Max Horz 22=-84/LC 15)									10-0-0 oc bracing. lizers and required cross bracing	
REACTIONS.	Max Horz 22=- Max Uplift22=-		C 15)	3-8 (min.	0-2-1)					
	2-23=-2533/2 5-25=-2039/3	Max. Ten All force: 267, 3-23=-2288/282, 366, 5-6=-2036/326, 47, 9-10=-1480/146, 2	3-24=-2036/28 6-7=-2367/327,	6, 4-24=-1 7-26=-433	890/309, 4-3 9/385, 8-26					
BOT CHORD WEBS	8-9=-4010/347, 9-10=-1480/146, 2-22=-1698/213, 10-12=-1672/187 BOT CHORD 21-22=-131/391, 20-21=-184/2147, 19-20=-184/2147, 5-17=-331/9, 16-17=-179/2035, 15-16=-264/2701, 8-15=-362/102, 13-14=-44/258 WEBS 3-19=-530/129, 4-19=-9/255, 17-19=-144/1513, 4-17=-72/569, 5-16=-531/203, 6-16=-119/1067, 7-16=-811/170, 7-15=-60/1436, 2-21=-169/1770, 9-13=-2106/146, 10-13=-109/1344, 13-15=-70/1531, 9-15=-202/2517									
 Wind: ASC Roof; Hip T 7-2-6 to 25 shown; Lur TCLL: ASC Cat B; Part Unbalance This truss h non-concur Provide ad All plates a 8) This truss h This truss h This truss h 	d roof live loads E 7-16; Vult=12/ Truss; MWFRS (i-6-8, Interior(1) 2 mber DOL=1.60 CE 7-16; Pr=20.0 tially Exp.; Ce=1. d snow loads ha has been design rrent with other li lequate drainage are MT20 plates has been design s has been design s has been design that been	have been consider 0mph (3-second gus envelope) gable end 25-6-8 to 28-7-6, Ext plate grip DOL=1.60 0; Cs=1.00; Ct=1.10 we been considered led for greater of min ive loads. to prevent water poi unless otherwise ind led for a 10.0 psf bot gned for a live load o and any other memb ection (by others) of	t) Vasd=95mph; zone and C-C E erior(2E) 28-7-6 OL=1.15 Plate E for this design. roof live load of nding. icated. tom chord live lo i 30.0psf on the ers.	TCDL=5. Exterior(2E to 33-5-0 DOL=1.15 12.0 psf o bottom ch	E) -0-10-8 to zone;C-C fc); Pf=20.0 ps or 2.00 times ncurrent with ord in all are	3-11-2, Interior(1) r members and fo sf (Lum DOL=1.15 s flat roof load of 2 n any other live loa eas where a rectar	3-11-2 to 7-2-6, rces & MWFRS Plate DOL=1.1 0.0 psf on overh ads. ngle 3-6-0 tall by	, Exterior(2R) for reactions	SEAL 28147	

Job	Truss	Truss Type	Qty	Ply	LOT 0.0109 BLAKE POND 101 FROST MEA	ADOW WAY LILLINGTON, NC
24-5147-R01	R16	Hip	1	1	Job Reference (optional)	# 4956 8
		Rur	n: 8.430 s Feb 12	2 2021 Print	t: 8.430 s Feb 12 2021 MiTek Industries. Inc. T	hu Jun 13 17:17:00 2024 Page 2

ID:nz6ZjEh8hyBsN2cVXfLBO3zDgFc-D?iqvIrRlpIOsYBAGQxi0CvA5daBDGyWvAT6ZIz6ecn 11) 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.

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

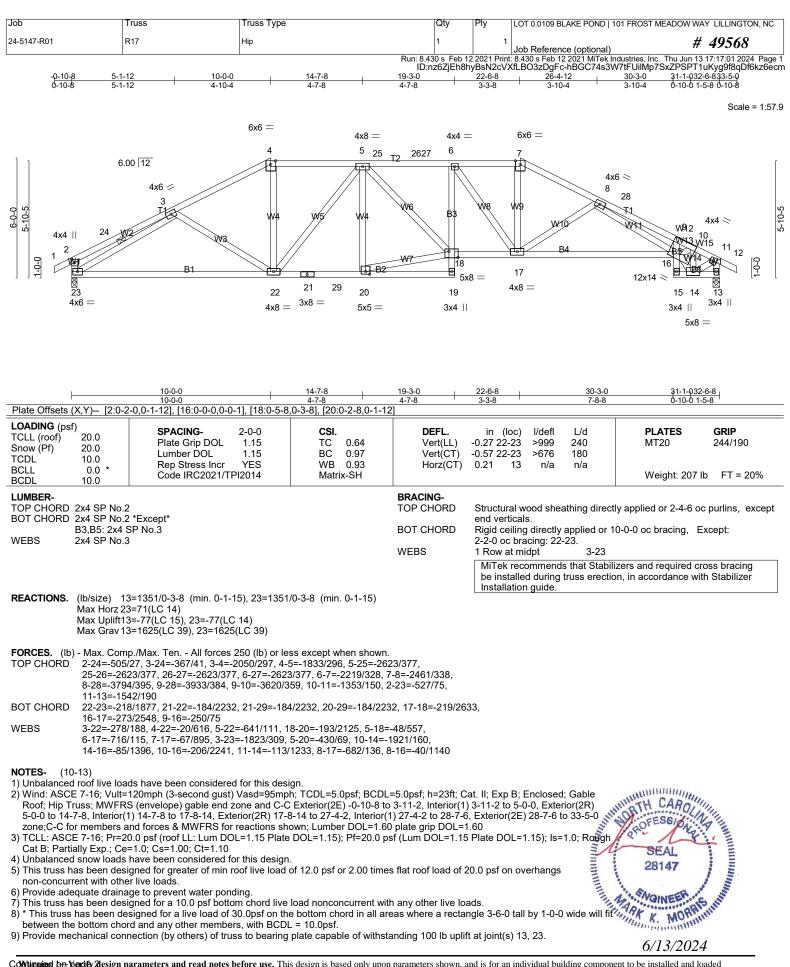
13) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing. 14) SEE BCSI-B3 SUMMARY SHEET- PERMANENT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

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



6/13/2024



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

2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; Gable Roof; Hip Truss; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 5-0-0, Exterior(2R) 5-0-0 to 14-7-8, Interior(1) 14-7-8 to 17-8-14, Exterior(2R) 17-8-14 to 27-4-2, Interior(1) 27-4-2 to 28-7-6, Exterior(2E) 28-7-6 to 33-5-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough
- 4) Unbalanced snow loads have been considered for this design.
- 5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs

6) Provide adequate drainage to prevent water ponding.7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10 Unbalanced snow loads have been considered for this design. 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. 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 8) between the bottom chord and any other members, with BCDL = 10.0psf.

9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13, 23.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0109 BLAKE POND 101 FR0	OST MEADOW WAY LILLINGTON, NC
24-5147-R01	R17	Hip	1	1	Job Reference (optional)	# 4956 8
		Run: 8	3.430 s Feb 1	2 2021 Prin	t: 8.430 s Feb 12 2021 MiTek Industrie	s. Inc. Thu Jun 13 17:17:01 2024 Page 2

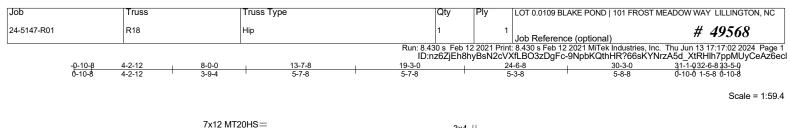
ID:nz6ZjEh8hyBsN2cVXfLBO3zDgFc-hBGC74s3W7tFUilMp7SxZPSPT1uKyg9f8qDf6kz6ecm

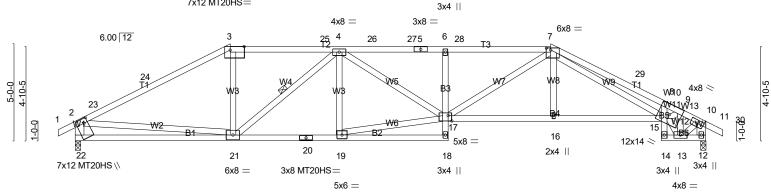
- 10) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced. 11) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the 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



6/13/2024





CADING (psf) "CLL (roof) 20.0 "now (Pf) 20.0 "CDL 10.0 "CLL 0.0 "CDL 10.0 "GCLL 0.0 "GCLL 10.0 "GCLL 0.0 "GCLL 0.0 "GCLL 0.0 "GCLL 0.0 "GCLL 0.0 "GCLL 0.0 "GCLL 0.0	4:2-12 3:9-4 3:0-8-10,Edge], [7:0-2-12,0-1 SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2021/TF	5-7-8 4], [15:0-0-0,0-0-1], [17 2-0-0 CSI 1.15 TC 1.15 BC		5-7-8 , [22:0-2-12,0-2-4] DEFL.	5-3-8 in (loc) l/defl	5-8-8	
CADING (psf) "CLL (roof) 20.0 "now (Pf) 20.0 "CDL 10.0 "CLL 0.0 "CDL 10.0 "GCLL 0.0 "GCLL 10.0 "GCLL 0.0 "GCLL 0.0 "GCLL 0.0 "GCLL 0.0 "GCLL 0.0 "GCLL 0.0 "GCLL 0.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 CSI 1.15 TC				1.(-)	
UMBER- OP CHORD 2x4 SP			0.83 0.90 trix-SH	Vert(LL) Vert(CT) Horz(CT)	-0.26 17 >999 -0.43 16-17 >891 0.21 12 n/a	L/d 240 180 n/a	PLATES GRIP MT20 244/190 MT20HS 187/143 Weight: 194 lb FT = 20%
BOT CHORD 2x4 SP B3,B5: VEBS 2x4 SP	2x4 SP No.2			BRACING- TOP CHORD BOT CHORD WEBS	end verticals. Rigid ceiling directly 1 Row at midpt MiTek recommend	applied or 10-0 4-21 Is that Stabilizer	pplied or 2-2-0 oc purlins, exc -0 oc bracing. s and required cross bracing n accordance with Stabilizer
Max Ho Max Up Max Gr ORCES. (Ib) - Max OP CHORD 2-24=) 22=1350/0-3-8 (min. 0-1- orz 22=58(LC 14) olift22=-69(LC 11), 12=-69(LC av 22=1485(LC 39), 12=1485 Comp./Max. Ten All forces -2359/248, 3-24=-2288/266, 3 =-3665/386, 5-27=-3665/386,	10) (LC 39) 250 (Ib) or less except 1 3-25=-2083/277, 4-25=-	, when shown. 2086/276, 4-	26=-3665/386,	Installation guide.		
10-12 30T CHORD 21-22 15-16 VEBS 3-21= 7-17=	-3566/488, 8-29=-3672/470, { =-1411/186 =-202/817, 20-21=-200/2932, =-187/2683, 8-15=-624/184 -0/679, 4-21=-1106/133, 4-19 -148/1237, 7-16=0/281, 2-21= =-56/1203, 9-15=-250/2177, 7	19-20=-200/2932, 6-17 =-403/87, 17-19=-188/2 101/1706, 9-13=-1699	7=-566/119, 1 2762, 4-17=-0	16-17=-190/2676, 63/875,			
IOTES- (11-14)) Unbalanced roof live) Wind: ASCE 7-16; \ Roof: Hin Truss: MV	e loads have been considered /ult=120mph (3-second gust) VERS (envelope) gable end a	l for this design. Vasd=95mph; TCDL=5 one and C-C Exterior(2	F) -0-10-8 to	3-11-2 Exterior(PR) 3-11-2 to 12-9-10	Interior(1)	SEAL 28147 6/13/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0109 BLAKE POND 101 FROST ME	EADOW WAY LILLINGTON, NC
24-5147-R01	R18	Нір	1	1	Job Reference (optional)	# 49568
		R	un: 8.430 s Feb 12	2021 Print	: 8.430 s Feb 12 2021 MiTek Industries, Inc.	Thu Jun 13 17:17:02 2024 Page 2

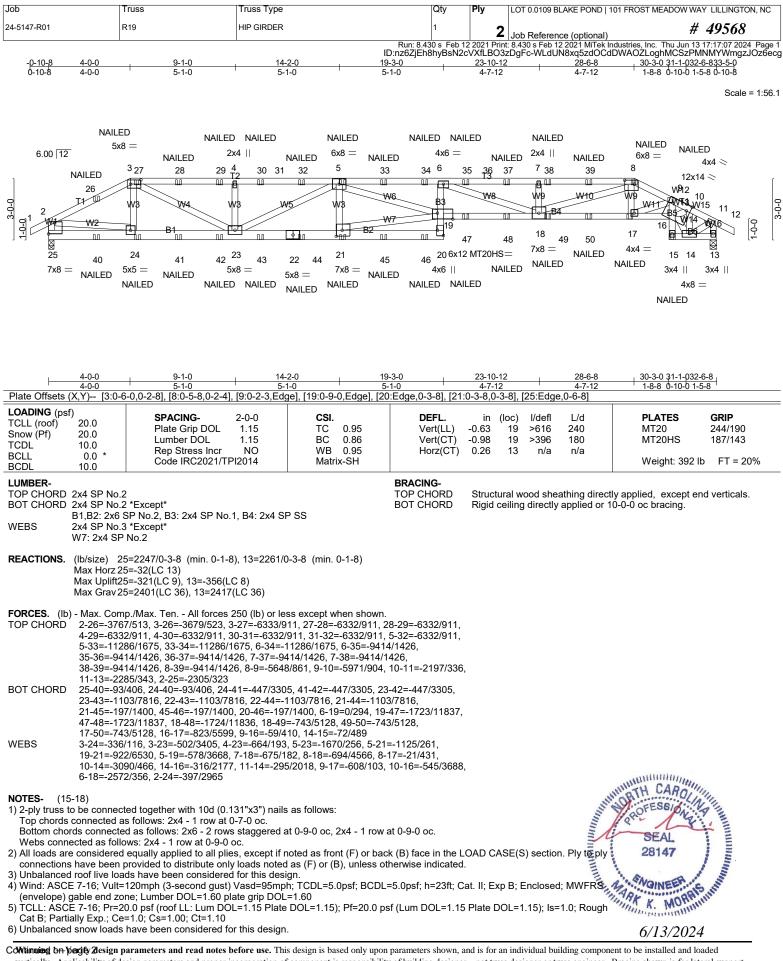
ID:nz6ZjEh8hyBsN2cVXfLBO3zDgFc-9NpbKQthHR?66sKYNrzA5d_XtRHlh7ppMUyCeAz6ecl

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



6/13/2024



Job	Truss	Truss Type	Qty	Ply	LOT 0.0109 BLAKE POND 101 FROST MEA	ADOW WAY LILLINGTON, NC
24-5147-R01	R19	HIP GIRDER	1	2	Job Reference (optional)	# 49568
Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2						

NOTES- (15-18)

7) 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) Provide adequate drainage to prevent water ponding.

9) All plates are MT20 plates unless otherwise indicated.

- 10) The Fabrication Tolerance at joint 19 = 16%
- 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.

13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 25=321, 13=356.
 14) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.

- 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.
- 17) 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. 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

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

Uniform Loads (plf)

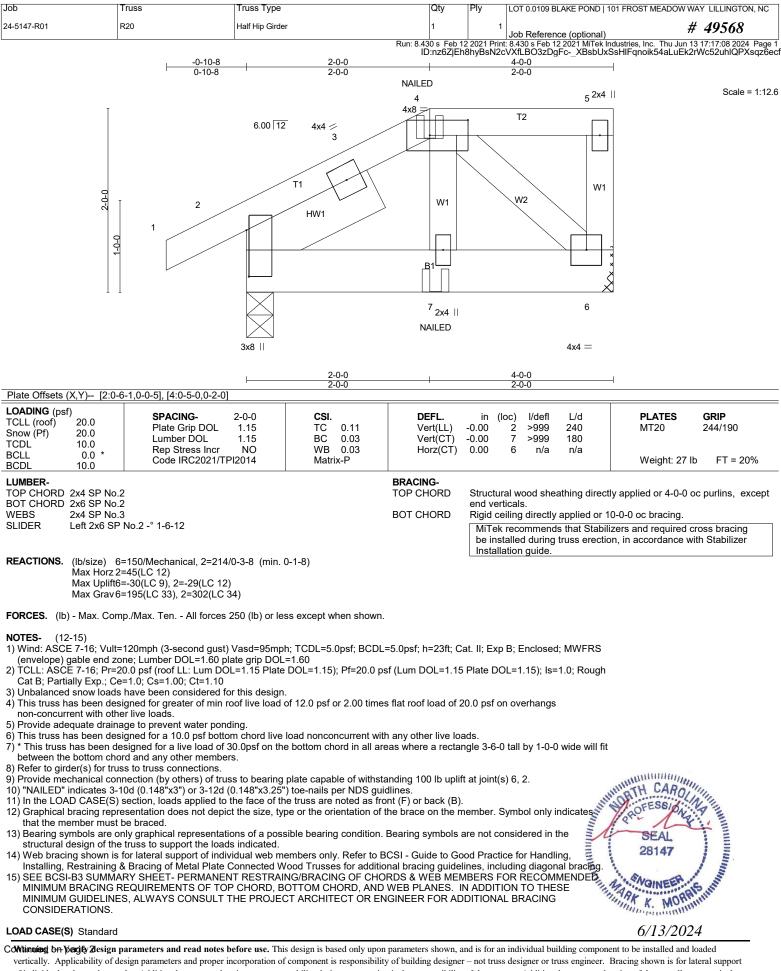
Vert: 1-2=-60, 2-3=-60, 3-8=-60, 8-11=-60, 11-12=-60, 20-25=-20, 16-19=-20, 13-15=-20

Concentrated Loads (lb)

Vert: 8=-123(B) 9=-61(B) 24=-27(B) 5=-94(B) 21=-27(B) 16=-48(B) 26=-57(B) 27=-94(B) 28=-94(B) 29=-94(B) 30=-94(B) 32=-94(B) 33=-94(B) 34=-94(B) 35=-123(B) 37=-123(B) 38=-123(B) 39=-123(B) 40=-51(B) 41=-27(B) 42=-27(B) 43=-27(B) 44=-27(B) 45=-27(B) 46=-27(B)



6/13/2024



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

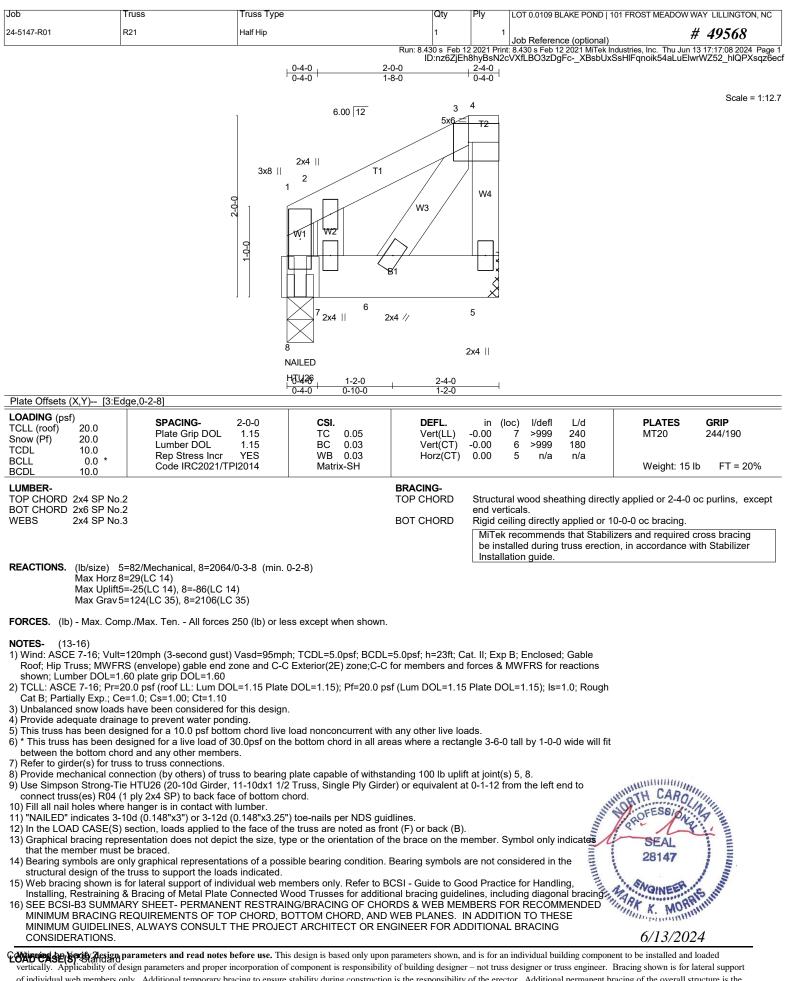
Job	Truss	Truss Type	Qty	Ply	LOT 0.0109 BLAKE POND 101 FROST MEADOW WAY L	LILLINGTON, NC
24-5147-R01	R20	Half Hip Girder	1	1	Job Reference (optional) # 4	19568
Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jun 13 17:17:08 2024 Page ID:nz6ZjEh8hyBsN2cVXfLBO3zDgFcXBsbUxSsHIFqnoik54aLuEk2rWc52uhIQPXsqz6e						

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-4=-60, 4-5=-60, 2-6=-20 Concentrated Loads (lb) Vert: 7=0(B) 4=-3(B)



6/13/2024



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

Job	Truss	Truss Type	Qty	Ply	LOT 0.0109 BLAKE POND 101 FROST M	IEADOW WAY LILLINGTON, NC
24-5147-R01	R21	Half Hip	1	1	Job Reference (optional)	# 49568
		Run: 8	130 s Feb 1	2 2021 Print	t 8 430 s Eeb 12 2021 MiTek Industries Inc.	Thu Jun 13 17 17 09 2024 Page 2

n: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jun 13 17:17:09 2024 Page 2 ID:nz6ZjEh8hyBsN2cVXfLBO3zDgFc-SjlEoqy4dat6RwNvHpbpt5nwgFroqVErz494OGz6ece

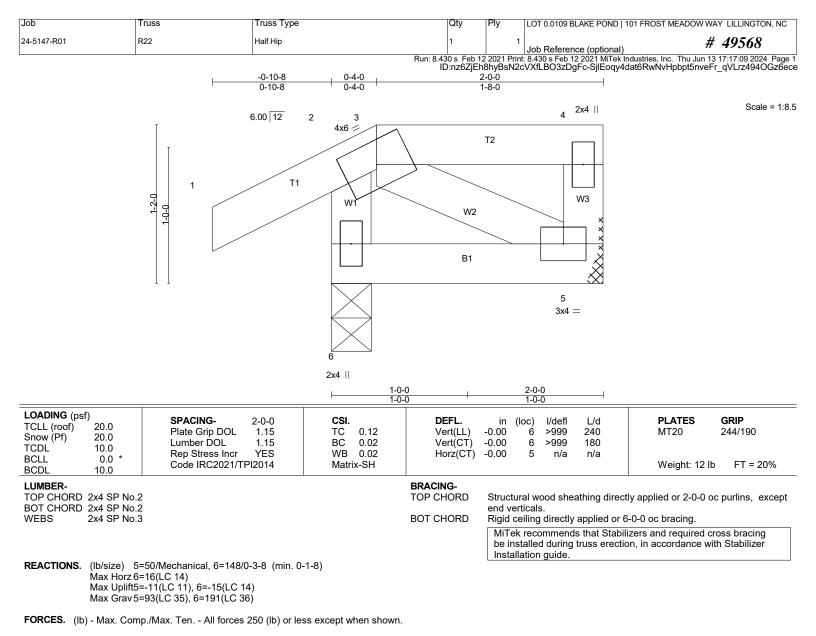
LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-3=-60, 3-4=-60, 5-8=-20

Concentrated Loads (lb) Vert: 8=-1983(F=-82, B=-1901)



6/13/2024

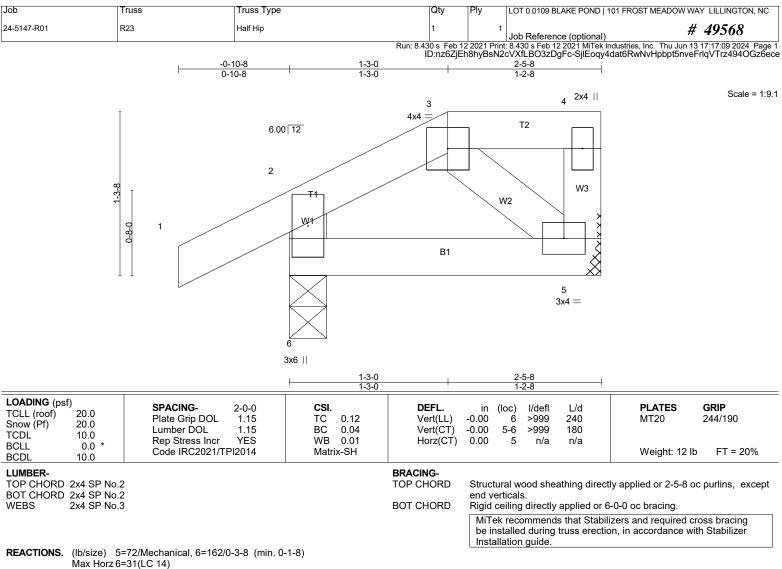


NOTES-(10-13)

- 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; Gable Roof; Hip Truss; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 1-10-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs
- non-concurrent with other live loads.
- 5) Provide adequate drainage to prevent water ponding.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit
- between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 6.
- 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 Trusses 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

acmg. BROFESSON, 19 SEAL 28147 SEAL 37 SE 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.



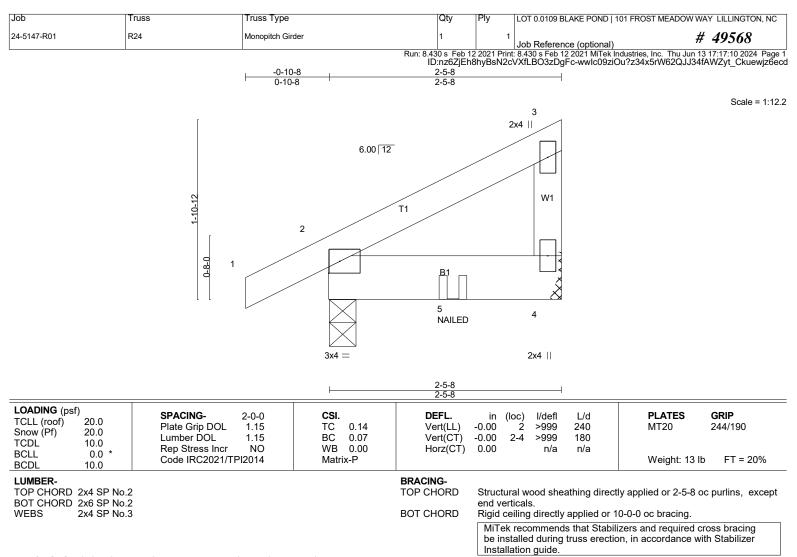
Max Uplift5=-11(LC 11), 6=-22(LC 14) Max Grav 5=104(LC 35), 6=241(LC 36)

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

NOTES-(10-13)

- 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; Gable Roof; Hip Truss; 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=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs
- non-concurrent with other live loads.
- 5) Provide adequate drainage to prevent water ponding.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit
- between the bottom chord and any other members.
- 8) Refer to girder(s) for truss to truss connections.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 6.
- 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 Trusses 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



REACTIONS. (lb/size) 4=118/Mechanical, 2=201/0-3-8 (min. 0-1-8) Max Horz 2=48(LC 12) Max Uplift4=-33(LC 12), 2=-27(LC 12) Max Grav 4=140(LC 19), 2=264(LC 19)

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

NOTES-(11-14)

- 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS
- (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs
- non-concurrent with other live loads.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit
- between the bottom chord and any other members.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.
- 9) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
- 10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- 11) 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.
- 12) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 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 OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	LOT 0.0109 BLAKE POND 101 FROST MEADOW WAY LILLINGTON, NC
24-5147-R01	R24	Monopitch Girder	1	1	Job Reference (optional) # 49568
Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jun 13 17:17:10 2024 Page 2 ID:nz6ZjEh8hyBsN2cVXfLBO3zDgFc-wwlc09ziOu?z34x5rW62QJJ34fAWZyt Ckuewjz6ec					

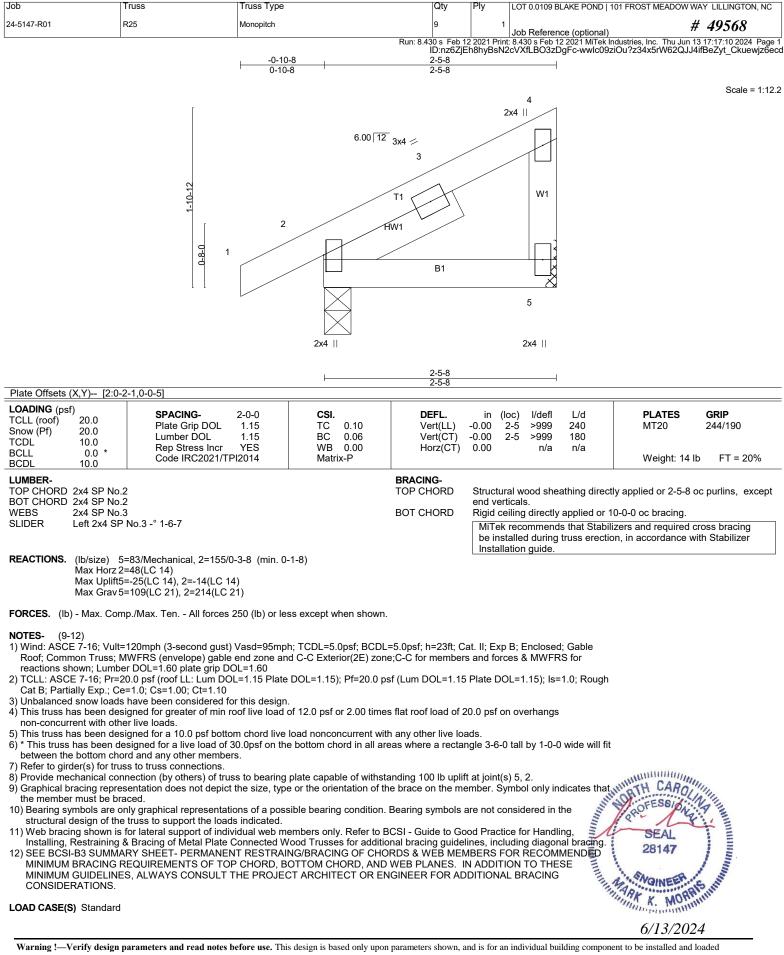
LOAD CASE(S) Standard

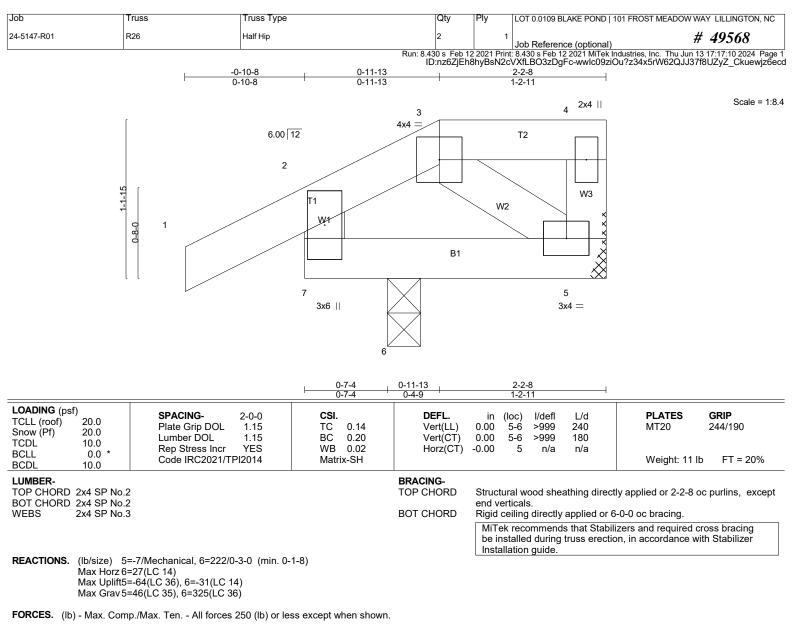
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf)

Vert: 1-3=-60, 2-4=-20 Concentrated Loads (lb) Vert: 5=-84(F)



6/13/2024

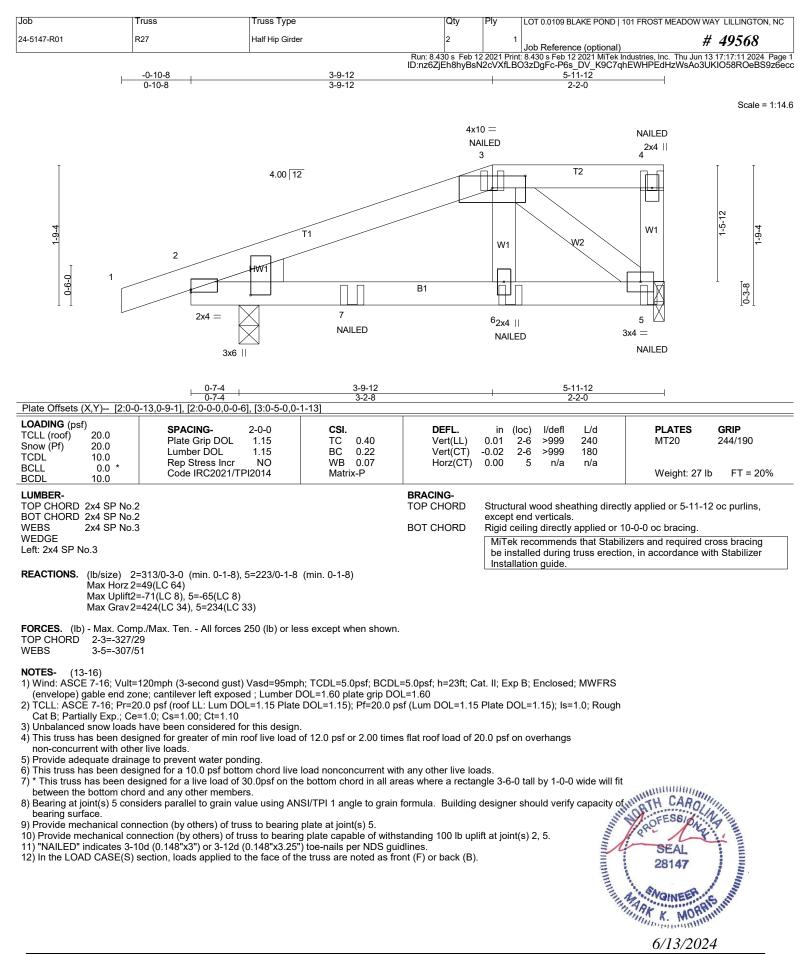




NOTES-(10-13)

- 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; Gable Roof; Hip Truss; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 2-0-12 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs
- non-concurrent with other live loads.
- 5) Provide adequate drainage to prevent water ponding.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit
- between the bottom chord and any other members.
- 8) Refer to girder(s) for truss to truss connections.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 6.
- 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 Trusses 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



Job	Truss	Truss Type	Qty	Ply	LOT 0.0109 BLAKE POND 101 FROST M	EADOW WAY LILLINGTON, NC
24-5147-R01	R27	Half Hip Girder	2	1	Job Reference (optional)	# 49568
Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jun 13 17:17:11 2024 Page					Thu Jun 13 17:17:11 2024 Page 2	

ID:nz6ZjEh8hyBsN2cVXfLBO3zDgFc-P6s_DV_K9C7qhEWHPEdHzWsAo3UKIO58ROeBS9z6ecc 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

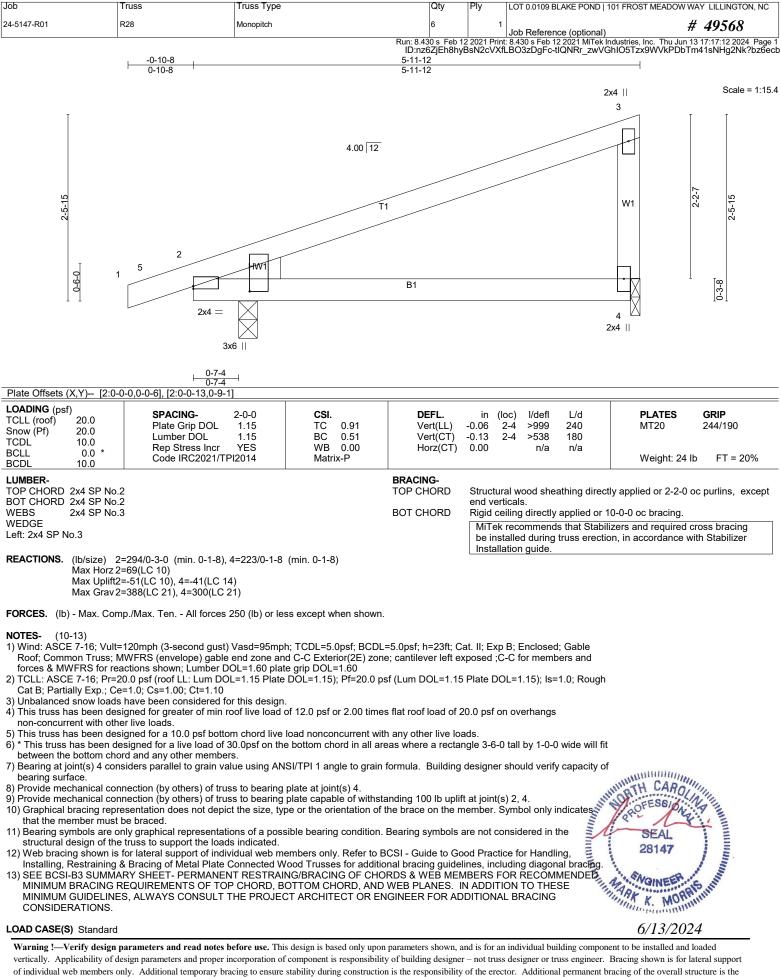
Connected Wood Trusses for additional bracing guidelines, including diagonal bracing. 16) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS 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: 1-3=-60, 3-4=-60, 2-5=-20 Concentrated Loads (lb) Vert: 4=-16(B) 6=23(B) 5=14(B) 7=-41(B)





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.

6x8 = 1 1 2 21 5x5 5x5 1 0 5:10 1 2:1 5x5 5:10 0 1:2 21 5x5 0 5:10 0 2:1 5x5 5:10 0 2:1 5x5 0:10 0 1:0.0 3:01 10.0 3:01 10.0 3:01 10.0 3:01 10.0 3:01 10.0 3:01 10.0 3:01 10.0 3:01 10:0 3:01 CHORD 2:4 SP No.3 2:1= Max Horz 2:1= Max Horz 2:1= Max Horz 2:1= Max Horz 2:1= Max Grav 2:1= 5:24=:6793/ 5:24=:6793/ 5:24=:6793/ 8:26=:3056 10:12=:2036 3:01 10:12=:2036 3:0	8 12-2-9 8 6-4-1 5x6 = 3 22 W3 W4 B1 20 6x10 = 8 12-2-9	$5x8 = 23 4 24_{T2}$ $yy5$ 19 $2x4 4x12$ $9 18-4$ $6-2$ $6-2$ $9 18-4$ $6-2$ $9 18-4$ $6-2$ 19 $2x4 4x12$ $9 18-4$ $6-2$ 115 1.15	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{r} 24.7.2 \\ 6-2-5 \\ 3x8 = 4x8 = \\ 6 7 \\ \hline 0 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 16 \\ 2x4 \\ 16 \\ 2x4 \\ 16 \\ 16 \\ 2x4 \\ 16 \\ 16 \\ 16 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10$	12 2021 Print: 8 430 30hyBsN2cVXfLBC 30-9-7 6-2-5	4x6 = 825 26 $4x6 = 825 26$ $4x6 = 811$ 14 $4x4 = 8$	# 49568 dustries, Inc. Thu Jun 13 17:17:13 2024 Page OYWYggWfgl2xxNAs2Dm4EQui7IX126ed $43-0.0$ $43-0.0$ $5-10-8$ $0-10-8$ Scale = 1:76. 5x6 = 9 $43-0.0$ $10-8$ Scale = 1:76. Scale = 1:76. 5x6 = 9 27 $43-0.0$ $10-10-8$ 13 12 $6x10 =$ $5x5 \parallel$ + 43-0-0 - $5-10-8$ GRIP
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	5x6 = 3 22 WB W4 B1 20 6x10 = 8 8 12-2-9 8 6-4-1 20 6x10 = 8 8 12-2-9 8 6-4-1 Plate Grip DOL Lumber DOL Rep Stress Incr	$5x8 = 23 4 24_{T2}$ $yy5$ 19 $2x4 4x12$ $9 18-4$ $6-2$ $6-2$ $9 18-4$ $6-2$ $9 18-4$ $6-2$ 19 $2x4 4x12$ $9 18-4$ $6-2$ 115 1.15	2x4 5 18 17 2 MT20HS = 4x8 = 4x8 = 4x8 = 4x8 = 5 18 17 4x8 = 4x8 =	$ \begin{array}{c} 24.7.2 \\ 6-2-5 \\ \hline 3x8 = 4x8 = \\ 6 7 \\ \hline 000 \\ 82 \\ 82 \\ \hline 000 \\ \hline 000$	12 2021 Print: 8 430 30hyBsN2cVXfLBC 30-9-7 6-2-5	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	5x6 = 3 22 WB W4 B1 20 6x10 = 8 8 12-2-9 8 6-4-1 20 6x10 = 8 8 12-2-9 8 6-4-1 Plate Grip DOL Lumber DOL Rep Stress Incr	$5x8 = 23 4 24_{T2}$ $yy5$ 19 $2x4 4x12$ $9 18-4$ $6-2$ $6-2$ $9 18-4$ $6-2$ $9 18-4$ $6-2$ 19 $2x4 4x12$ $9 18-4$ $6-2$ 115 1.15	2x4 5 18 17 2 MT20HS = 4x8 = 4x8 = 4x8 = 4x8 = 5 18 17 4x8 = 4x8 =	$ \begin{array}{c} 24.7.2 \\ 6-2-5 \\ \hline 3x8 = 4x8 = \\ 6 7 \\ \hline 000 \\ 82 \\ 82 \\ \hline 000 \\ \hline 000$	<u>30-9-7</u> 6-2-5 <u>T3</u> <u>VV6</u> 15 12 MT20HS WB = <u>30-9-7</u> <u>6-2-5</u> in (loc)	$ \begin{array}{c} 37-1-8 \\ 6-4-1 \\ 4x6 = \\ 8 25 26 \\ \hline 0 \\ 4x4 = \\ 37-1-8 \\ 6-4-1 \\ \hline 14 \\ 4x4 = \\ 37-1-8 \\ 6-4-1 \\ \hline 1/defl L/d \end{array} $	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
$\begin{array}{c} 5.10-\\ \hline 5.10-\\ \hline 5.10-\\ \hline 2.1\\ \hline 5.55 \\ \hline 9.1\\ \hline 2.1\\ \hline 5.55 \\ \hline 9.2\\ \hline 2.1\\ \hline 5.55 \\ \hline 9.2\\ \hline 9.2\\$	3 22 W3 W4 B1 20 6x10 = 8 8 12-2-9 8 6-4-1 8.Edge], [10:0-3-8.Edg SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	23 4 24 _{T2} W5 19 2x4 4x12 9 18	5 V6 V6 V5 18 17 2 MT20HS= 4x8 = 4x8 = CSI. TC 0.98	6 7 W5 B2 16 2x4 6x1 24-7-2 6-2-5 DEFL.		8 25 26 W5 B1 14 4x4 = 	5x6 = 9 9 27 10 10 10 10 10 13 12 6x10 = 5x5 43-0.0 5-10-8 PLATES GRIP
$\begin{array}{c} 5.10-\\ \hline 5.10-\\ \hline 5.10-\\ \hline 2.1\\ \hline 5.55 \\ \hline 9.1\\ \hline 2.1\\ \hline 5.55 \\ \hline 9.2\\ \hline 2.1\\ \hline 5.55 \\ \hline 9.2\\ \hline 9.2\\$	3 22 W3 W4 B1 20 6x10 = 8 8 12-2-9 8 6-4-1 8.Edge], [10:0-3-8.Edg SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	23 4 24 _{T2} W5 19 2x4 4x12 9 18	5 V6 V6 V5 18 17 2 MT20HS= 4x8 = 4x8 = CSI. TC 0.98	6 7 W5 B2 16 2x4 6x1 24-7-2 6-2-5 DEFL.		8 25 26 W5 B1 14 4x4 = 	9 27 W_3 W_2 10
$\begin{array}{c} 5.10-\\ \hline 5.10-\\ \hline 5.10-\\ \hline 2.1\\ \hline 5.55 \\ \hline 9.1\\ \hline 2.1\\ \hline 5.55 \\ \hline 9.2\\ \hline 2.1\\ \hline 5.55 \\ \hline 9.2\\ \hline 9.2\\$	3 22 W3 W4 B1 20 6x10 = 8 8 12-2-9 8 6-4-1 8.Edge], [10:0-3-8.Edg SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	23 4 24 _{T2} W5 19 2x4 4x12 9 18	5 V6 V6 V5 18 17 2 MT20HS= 4x8 = 4x8 = CSI. TC 0.98	6 7 W5 B2 16 2x4 6x1 24-7-2 6-2-5 DEFL.		8 25 26 W5 B1 14 4x4 = 	9 27 W_3 W_2 10
$\begin{array}{c} 5.10-\\ \hline 5.10-\\ \hline 5.10-\\ \hline 2.1\\ \hline 5.55 \\ \hline 9.1\\ \hline 2.1\\ \hline 5.55 \\ \hline 9.2\\ \hline 2.1\\ \hline 5.55 \\ \hline 9.2\\ \hline 9.2\\$	3 22 W3 W4 B1 20 6x10 = 8 8 12-2-9 8 6-4-1 8.Edge], [10:0-3-8.Edg SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	23 4 24 _{T2} W5 19 2x4 4x12 9 18	5 V6 V6 V5 18 17 2 MT20HS= 4x8 = 4x8 = CSI. TC 0.98	6 7 W5 B2 16 2x4 6x1 24-7-2 6-2-5 DEFL.		8 25 26 W5 B1 14 4x4 = 	9 27 W_3 W_2 10
$\begin{array}{c} 5.10-\\ \hline 5.10-\\ \hline 5.10-\\ \hline 2.1\\ \hline 5.55 \\ \hline 9.1\\ \hline 2.1\\ \hline 5.55 \\ \hline 9.2\\ \hline 2.1\\ \hline 5.55 \\ \hline 9.2\\ \hline 9.2\\$	22 W3 W4 W3 B1 20 6x10 = 8 8 8 8 8 6-4-1 8,Edge], [10:0-3-8,Edg SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	23 4 24 _{T2} W5 19 2x4 4x12 9 18	5 V6 V6 V5 18 17 2 MT20HS= 4x8 = 4x8 = CSI. TC 0.98	6 7 W5 B2 16 2x4 6x1 24-7-2 6-2-5 DEFL.		8 25 26 W5 B1 14 4x4 = 	9 27 W_3 W_2 10
6x8 = 1 1 2 21 5x5 5x5 1 0 5:10 1 2:1 5x5 5:10 0 1:2 21 5x5 0 5:10 0 2:1 5x5 5:10 0 2:1 5x5 0:10 0 1:0.0 3:01 10.0 3:01 10.0 3:01 10.0 3:01 10.0 3:01 10.0 3:01 10.0 3:01 10.0 3:01 10:0 3:01 CHORD 2:4 SP No.3 2:1= Max Horz 2:1= Max Horz 2:1= Max Horz 2:1= Max Horz 2:1= Max Grav 2:1= 5:24=:6793/ 5:24=:6793/ 5:24=:6793/ 8:26=:3056 10:12=:2036 3:01 10:12=:2036 3:0	8 12-2-9 8 64-1 8,Edge], [10:0-3-8,Edg Plate Grip DOL Lumber DOL Rep Stress Incr	19 2x4 4x12 9 18-4 6-2 19 2x4 4x12 6-2 6-2 10 12:Edge,0-3-8] 2-0-0 1.15 1.15	18 17 2 MT20HS= 4x8 = 4x8 = CSI. TC 0.98	24-7-2 6-2-5	W6 15 12 MT20HS WB = 30-9-7 6-2-5 in (loc)	W5 B1 14 4x4 = 37-1-8 6-4-1 I/defl L/d	$W_{3} = 10 \\ 10 \\ 10 \\ 13 \\ 6x10 = 5x5 $ $43-0.0 \\ 5-10-8 \\ \hline$ PLATES GRIP
21 21 5x5 21 5x5 20 20 7 7 20 20 7 7 20 20 7 7 20 20 7 7 20 24 SP No.3 20 7 7 7 8 24 SP No.3 8 24 SP No.3 8 25 24 SP No.3 8 26 10-12 22 22 34 35 30 7 14 5 24 5 32 24 5 24	B1 20 6x10 = 8 12-2-9 8 6-4-1 8.Edge], [10:0-3-8,Edg SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	19 2x4 4x12 9 18 6 ge], [12:Edge,0-3-8] 2-0-0 1.15 1.15	18 17 2 MT20HS= 4x8 = 4x8 = CSI. TC 0.98	B2 16 2x4 6x1 24-7-2 6-2-5	15 12 MT20HS WB = 30-9-7 6-2-5 in (loc)	VPB B1 14 4x4 = - - - - - - - - - - - - -	$ \begin{array}{c} 10 \\ 12 \\ 13 \\ 12 \\ 6x10 = 5x5 \\ $
21 21 5x5 21 5x5 20 20 7 7 20 20 7 7 20 20 7 7 20 20 7 7 20 24 SP No.3 20 7 7 7 8 24 SP No.3 8 24 SP No.3 8 25 24 SP No.3 8 26 10-12 22 22 34 35 30 7 14 5 24 5 32 24 5 24	20 6x10 = 8 12-2-9 8 6-4-1 8,Edge], [10:0-3-8,Edg SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	2x4 4x12 9 18 6-2 <u>9 [12:Edge,0-3-8]</u> 2-0-0 1.15 1.15	18 17 2 MT20HS= 4x8 = 4x8 = 4-14 2-5 CSI. TC 0.98	24-7-2 6-2-5	15 12 MT20HS WB = <u>30-9-7</u> <u>6-2-5</u> in (loc)	14 4x4 = - - - - - - - - - - - - - - - - - - -	$\frac{W^2}{13} \qquad \frac{W^2}{12} \qquad \frac{W^2}{13} \qquad \frac{W^2}{12} \qquad \frac{W^2}{13} \qquad \frac{W^2}{12} \qquad \frac{W^2}{13} \qquad \frac{W^2}{12} \qquad W$
8 21 5x5 5x5 Plate Offsets (X,Y) [2:0-3-i OADING (psf) CLL (roof) 20.0 Show (Pf) 20.0 Scott 10.0 3CDL 10.0 3CDL 10.0 3CDL 10.0 3CDL 10.0 3CDL 2x4 SP No.2 T2: 2x4 SP SS 3OT CHORD 2x4 SP No.3 W1,W2: 2x4 SP SOT CHORD 2x4 SP No.3 W1,W2: 2x4 SP OT HERS 2x4 SP No.3 W1,W2: 2x4 SP SOT CHORD 2-22=-3493/ 5-24=-6793/ 8-26=-3056/ 10-12=-2036 SOT CHORD 2-22=-3493/ 5-24=-6793/ 8-26=-3056/ 10-12=-2036 SOT CHORD 20-21=-116/ 15-16=-584/ VEBS 3-20=-53/11 7-14=-1206/ 10-13=-212/ IOTES- (11-14)	6x10 = 8 12-2-9 8 6-4-1 8,Edge], [10:0-3-8,Edg SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	2x4 4x12 9 18 6-2 <u>9 [12:Edge,0-3-8]</u> 2-0-0 1.15 1.15	18 17 2 MT20HS= 4x8 = 4x8 = 4-14 2-5 CSI. TC 0.98	2x4 6x1 24-7-2 6-2-5 DEFL.	 12 MT20HS WB = 30-9-7 6-2-5 in (loc)	4x4 = 	13 12 6x10 = 5x5 + 43-0-0 5-10-8 PLATES GRIP
5-10- 5-10- 5-10- Plate Offsets (X,Y) [2:0-3-1 OADING (psf) "CLL (roof) 20.0 "OCL (roof) 20.0 Show (Pf) 20.0 SOLL 0.0 3CDL 10.0 SOT CHORD 2x4 SP No.2 T2: 2x4 SP S 3GOT CHORD 2x4 SP No.3 W1,W2: 2x4 S OT CHORD 2x4 SP No.3 W1,W2: 2x4 S OTHERS 2x4 SP No.3 CORCES. (lb) - Max. Comp COP CHORD 2-22=-3493/ 5-24=-6793/ 8-26=-3056/ 10-12=-2036 0OT CHORD 2-22=-3413 5-16=-584/ VEBS 3-20=-53/11 7-14=-1206/ 10-13=-212/ IOTES- (11-14)	8 12-2-9 8 6-4-1 8,Edge], [10:0-3-8,Edg SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	9 18 6 <u>ge], [12:Edge,0-3-8]</u> 2-0-0 1.15 1.15	2 MT20HS= 4x8 = 4-14 2-5 CSI. TC 0.98	6x1	 12 MT20HS WB = 30-9-7 6-2-5 in (loc)		43-0-0 5-10-8 PLATES GRIP
5-10- Plate Offsets (X,Y) [2:0-3-i .OADING (psf) CLL (roof) 20.0 CDL 10.0 SCDL 10.0 3CDL 10.0 3CDL 10.0 3CDL 10.0 3CDL 10.0 3CDL 10.0 3CDL 10.0 .UMBER- OP CHORD 2x4 SP No.2 TC 2x4 SP SS SOT CHORD 2x4 SP SS VEBS 2x4 SP No.3 W1,W2: 2x4 SP SOT CHORD 2x4 SP No.3 W1,W2: 2x4 SP No.3 W1,W2: 2x4 SP OT CHORD 2.4 SP No.3 W1,W2: 2x4 SP No.3 W1,W2: 2x4 SP OT CHORD 2.4 SP No.3 CORCES. (lb/size) 21= Max Horz 21= Max Horz 21= Max Grav21= SOT CHORD COP CHORD 2-22=-3493/ 5-24=-6793/ 8-26=-3056/ 0T CHORD 20-21=-116/ 15-16=-584/ VEBS 3-20=-53/11 7-14=-1206/ 10-13==-212/ IOTES-	8 6-4-1 8,Edge], [10:0-3-8,Edg SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	6-2 ge], [12:Edge,0-3-8] 2-0-0 1.15 1.15	4-14 2-5 CSI. TC 0.98	24-7-2 6-2-5 DEFL.	30-9-7 6-2-5 	37-1-8 6-4-1 I/defl L/d	5-10-8 PLATES GRIP
5-10- Plate Offsets (X,Y) [2:0-3-i .OADING (psf) CLL (roof) 20.0 CDL 10.0 SCDL 10.0 3CDL 10.0 3CDL 10.0 3CDL 10.0 3CDL 10.0 3CDL 10.0 3CDL 10.0 .UMBER- OP CHORD 2x4 SP No.2 TC 2x4 SP SS SOT CHORD 2x4 SP SS VEBS 2x4 SP No.3 W1,W2: 2x4 SP SOT CHORD 2x4 SP No.3 W1,W2: 2x4 SP No.3 W1,W2: 2x4 SP OT CHORD 2.4 SP No.3 W1,W2: 2x4 SP No.3 W1,W2: 2x4 SP OT CHORD 2.4 SP No.3 CORCES. (lb/size) 21= Max Horz 21= Max Horz 21= Max Grav21= SOT CHORD COP CHORD 2-22=-3493/ 5-24=-6793/ 8-26=-3056/ 0T CHORD 20-21=-116/ 15-16=-584/ VEBS 3-20=-53/11 7-14=-1206/ 10-13==-212/ IOTES-	8 6-4-1 8,Edge], [10:0-3-8,Edg SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	6-2 ge], [12:Edge,0-3-8] 2-0-0 1.15 1.15	2-5 CSI. TC 0.98	6-2-5	6-2-5 in (loc)	6-4-1 I/defl L/d	5-10-8 PLATES GRIP
5-10- Plate Offsets (X,Y) [2:0-3-i .OADING (psf) CLL (roof) 20.0 CDL 10.0 SCDL 10.0 3CDL 10.0 3CDL 10.0 3CDL 10.0 3CDL 10.0 3CDL 10.0 3CDL 10.0 .UMBER- OP CHORD 2x4 SP No.2 TC 2x4 SP SS SOT CHORD 2x4 SP SS VEBS 2x4 SP No.3 W1,W2: 2x4 SP SOT CHORD 2x4 SP No.3 W1,W2: 2x4 SP No.3 W1,W2: 2x4 SP OT CHORD 2.4 SP No.3 W1,W2: 2x4 SP No.3 W1,W2: 2x4 SP OT CHORD 2.4 SP No.3 CORCES. (lb/size) 21= Max Horz 21= Max Horz 21= Max Grav21= SOT CHORD COP CHORD 2-22=-3493/ 5-24=-6793/ 8-26=-3056/ 0T CHORD 20-21=-116/ 15-16=-584/ VEBS 3-20=-53/11 7-14=-1206/ 10-13==-212/ IOTES-	8 6-4-1 8,Edge], [10:0-3-8,Edg SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	6-2 ge], [12:Edge,0-3-8] 2-0-0 1.15 1.15	2-5 CSI. TC 0.98	6-2-5	6-2-5 in (loc)	6-4-1 I/defl L/d	5-10-8 PLATES GRIP
5-10- Plate Offsets (X,Y) [2:0-3-i .OADING (psf) CLL (roof) 20.0 CDL 10.0 SCDL 10.0 3CDL 10.0 3CDL 10.0 3CDL 10.0 3CDL 10.0 3CDL 10.0 3CDL 10.0 .UMBER- OP CHORD 2x4 SP No.2 TC 2x4 SP SS SOT CHORD 2x4 SP SS VEBS 2x4 SP No.3 W1,W2: 2x4 SP SOT CHORD 2x4 SP No.3 W1,W2: 2x4 SP No.3 W1,W2: 2x4 SP OT CHORD 2.4 SP No.3 W1,W2: 2x4 SP No.3 W1,W2: 2x4 SP OT CHORD 2.4 SP No.3 CORCES. (lb/size) 21= Max Horz 21= Max Horz 21= Max Grav21= SOT CHORD COP CHORD 2-22=-3493/ 5-24=-6793/ 8-26=-3056/ 0T CHORD 20-21=-116/ 15-16=-584/ VEBS 3-20=-53/11 7-14=-1206/ 10-13==-212/ IOTES-	8 6-4-1 8,Edge], [10:0-3-8,Edg SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	6-2 ge], [12:Edge,0-3-8] 2-0-0 1.15 1.15	2-5 CSI. TC 0.98	6-2-5	6-2-5 in (loc)	6-4-1 I/defl L/d	5-10-8 PLATES GRIP
5-10- Plate Offsets (X,Y) [2:0-3-i .OADING (psf) CLL (roof) 20.0 CDL 10.0 SCDL 10.0 3CDL 10.0 3CDL 10.0 3CDL 10.0 3CDL 10.0 3CDL 10.0 3CDL 10.0 .UMBER- OP CHORD 2x4 SP No.2 TC 2x4 SP SS SOT CHORD 2x4 SP SS VEBS 2x4 SP No.3 W1,W2: 2x4 SP SOT CHORD 2x4 SP No.3 W1,W2: 2x4 SP No.3 W1,W2: 2x4 SP OT CHORD 2.4 SP No.3 W1,W2: 2x4 SP No.3 W1,W2: 2x4 SP OT CHORD 2.4 SP No.3 CORCES. (lb/size) 21= Max Horz 21= Max Horz 21= Max Grav21= SOT CHORD COP CHORD 2-22=-3493/ 5-24=-6793/ 8-26=-3056/ 0T CHORD 20-21=-116/ 15-16=-584/ VEBS 3-20=-53/11 7-14=-1206/ 10-13==-212/ IOTES-	8 6-4-1 8,Edge], [10:0-3-8,Edg SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	6-2 ge], [12:Edge,0-3-8] 2-0-0 1.15 1.15	2-5 CSI. TC 0.98	6-2-5	6-2-5 in (loc)	6-4-1 I/defl L/d	5-10-8 PLATES GRIP
Plate Offsets (X,Y) [2:0-3-4] CADING (psf) CLL (roof) 20.0 "CLL (roof) 20.0 10.0 "CDL 10.0 3 GCLL 0.0 * GOLL 10.0 3 GCLL 0.0 * GOLL 10.0 * GOT CHORD 2x4 SP No.2 * T2: 2x4 SP SS SOT CHORD 2x4 SP No.3 W1,W2: 2x4 S SOT CHORD 2x4 SP No.3 OT HERS 2x4 SP No.3 * OTHERS 2x4 SP No.3 * OTHERS 2x4 SP No.3 * CORCES. (lb/size) 21= Max Horz 21= Max Horz Max Horz 2-22=-3493/ 5-24=-6793/ S-24=-6793/ 8-26=-3056/ 10-12=-2036 GOT CHORD 2-021=-116(15-16=-584/ VEBS 3-20=-53/11 7-14=-1206/ T0-13==-212/ * *	8,Edge], [10:0-3-8,Edg SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	ge], [12:Edge,0-3-8] 2-0-0 1.15 1.15	CSI. TC 0.98	DEFL.	in (loc)	I/defl L/d	PLATES GRIP
CLL (roof) 20.0 Show (Pf) 20.0 CDL 10.0 CDL 10.0 SCLL 0.0 * SCDL 10.0 COP CHORD 2x4 SP No.2 * COP CHORD 2x4 SP SS SOT CHORD 2x4 SP No.3 * W1,W2: 2x4 SP SO OT HERS 2x4 SP No.3 * OTHERS 2x4 SP No.3 * OTHERS 2x4 SP No.3 * OTHERS 2x4 SP No.3 * OT CHORD 2x4 SP No.3 * OT CHORD 2x4 SP No.3 * OT CHORD 2x4 SP No.3 * CORCES. (lb/size) 21= Max Horz 21= Max Grav21= Max Grav21= CORCES. (lb) - Max. Comp OP CHORD 2-22=-3493/ 5-24=-6793/ 8-26=-3056/ 10-12=-2036 10-12=-2036 OT CHORD 2-02-11=-116/ 200T CHORD 2-02=-53/11 7-14=-1206/ 10-13=-212/ IOTES- (11-14) </td <td>Plate Grip DOL Lumber DOL Rep Stress Incr</td> <td>1.15 1.15</td> <td>TC 0.98</td> <td></td> <td></td> <td></td> <td></td>	Plate Grip DOL Lumber DOL Rep Stress Incr	1.15 1.15	TC 0.98				
Snow (Pf) 20.0 'CDL 10.0 3CL 0.0 * 3CDL 10.0 3CDL 10.0 	Lumber DOL Rep Stress Incr	1.15		Vert(LL)		>690 240	
3CLL 0.0 * 3CDL 10.0 3CDL 10.0 3CDL 10.0 SCDL 10.0 SCDL 10.0 COP CHORD 2x4 SP No.2 SOT CHORD 2x4 SP SS SOT CHORD 2x4 SP No.3 W1,W2: 2x4 SP OTHERS 2x4 SP No.3 W1,W2: 2x4 SP OTHERS 2x4 SP No.3 REACTIONS. (lb/size) Max Horz 21= Max Horz 21= Max Grav 21= SOT CHORD 2-22==-3493/ 5-24=-6793/ 8-26==-3056/ 10-12==-203(8) GOT CHORD 20-21=-116/ 15-16=-584/ VEBS 3-20=-53/11 7-14==1206/ 10-13==-212/ IOTES- (11-14) 11				Vert(CT)		>424 180	MT20 244/190 MT20HS 187/143
UMBER- OP CHORD 2x4 SP No.2 T2: 2x4 SP SS 30T CHORD 2x4 SP SS WEBS 2x4 SP No.3 W1,W2: 2x4 SP OTHERS 2x4 SP No.3 REACTIONS. (Ib/size) 21= Max Horz 21= Max Uplif21= Max Grav 21= 50RCES. (Ib) - Max. Comp OP CHORD 2-22=-3493/ S-24=-6793/ 8-26=-3056/ 10-12=-2036 30T CHORD 20-21=-116/ 15-16=-584/ VEBS 3-20=-53/11 7-14=-1206/ 10-13=-212/ IOTES- (11-14)		YES FPI2014	WB 0.98 Matrix-SH	Horz(CT)	0.25 12	n/a n/a	Weight: 232 lb FT = 20%
OP CHORD 2x4 SP No.2 1 T2: 2x4 SP S: SOT CHORD 2x4 SP SS SOT CHORD 2x4 SP No.3 1 W1,W2: 2x4 SP DTHERS 2x4 SP No.3 CHORD 2x4 SP No.3 COT CHORS CORCES. (lb) - Max Horz 21= Max Uplift21= Max Grav 21= CORCES. (lb) - Max. Comp OP CHORD 2-22=-3493/ 5-24=-6793/ 8-26=-3056/ 10-12=-2036 COT CHORD 20-21=-116(15-16=-584/ VEBS 3-20=-53/11 7-14=-1206/ 10-13=-212/ IOTES- (11-14)				BRACING-			
30T CHORD 2x4 SP SS VEBS 2x4 SP No.3 W1,W2: 2x4 SP DTHERS 2x4 SP No.3 REACTIONS. (lb/size) 21= Max Horz 21= Max Uplift21= Max Grav 21= FORCES. (lb) - Max. Comp OP CHORD 2-22=-3493/ 5-24=-6793/ 8-26=-3056/ 10-12=-2033 30T CHORD 20-21=-116/ 15-16=-584/ VEBS 3-20=-53/11 7-14=-1206/ 10-13=-212/ IOTES- (11-14)				TOP CHORD BOT CHORD	Structural wo	od sheathing directl directly applied or 8-	y applied, except end verticals.
W1,W2: 2x4 SP No.3 REACTIONS. (lb/size) 21= Max Horz 21= Max Uplift21= Max Grav 21= FORCES. (lb) - Max. Comp TOP CHORD 2-22=-3493/ 5-24=-6793/ 8-26=-3056/ 10-12=-2036 30T CHORD 20-21=-116/ 15-16=-584/ VEBS 3-20=-53/11 7-14=-1206/ 10-13=-212/ NOTES- (11-14)				WEBS	1 Row at mid	pt 4-20, 7	-14, 8-13
REACTIONS. (Ib/size) 21= Max Horz 21= Max Uplift21= Max Grav 21= *ORCES. (Ib) - Max. Comp *OP CHORD 2-22=-3493/ 5-24=-6793/ 8-26=-3056/ 10-12=-2033 8OT CHORD 20-21=-116/ 15-16=-584/ VEBS 3-20=-53/11 7-14=-1206/ 10-13=-212/ NOTES- (11-14)							zers and required cross bracing n, in accordance with Stabilizer
Max Hórz 21= Max Uplift21= Max Grav 21= CORCES. (Ib) - Max. Comp COP CHORD 2-22=-3493/ 5-24=-6793/ 8-26=-3056/ 10-12=-2036 30T CHORD 20-21=-116/ 15-16=-584/ VEBS 3-20=-53/11 7-14=-1206/ 10-13=-212/ IOTES- (11-14)					Installation of	guide.	
Max Grav 21= CORCES. (lb) - Max. Comp COP CHORD 2-22=-3493/ 5-24=-6793/ 8-26=-3056/ 10-12=-2036 3OT CHORD 20-21=-116/ 15-16=-584/ VEBS 3-20=-53/11 7-14=-1206/ 10-13=-212/ IOTES- (11-14)	=1770/0-3-8 (min. 0-2- =-44(LC 19)	,,	(min. 0-2-8)				
ORCES. (lb) - Max. Comp OP CHORD 2-22=-3493/ 5-24=-6793/ 8-26=-3056/ 10-12=-2036 30T CHORD 20-21=-116/ 15-16=-584/ VEBS 3-20=-53/11 7-14=-1206/ 10-13=-212/ IOTES- (11-14)	=-156(LC 11), 12=-156 =2099(LC 38), 12=209	6(LC 10) 99(LC 38)					
OP CHORD 2-22=-3493/ 5-24=-6793/ 8-26=-3056/ 10-12=-2036 30T CHORD 20-21=-116/ 15-16=-584/ VEBS 3-20=-53/11 7-14=-1206/ 10-13=-212/		、 ,	rcept when shown				
8-26=-3056/ 10-12=-2036 30T CHORD 20-21=-116/ 15-16=-584/ VEBS 3-20=-53/11 7-14=-1206/ 10-13=-212/	/280, 3-22=-3420/293, /626, 5-6=-6793/626, 6	, 3-23=-3051/275, 4	-23=-3055/274, 4-	-24=-6793/626,			
30T CHORD 20-21=-116/ 15-16=-584/ VEBS 3-20=-53/11 7-14=-1206/ 10-13=-212/	/274, 9-26=-3053/275,						
VEBS 3-20=-53/11 7-14=-1206/ 10-13=-212/ JOTES- (11-14)	/439, 19-20=-490/5747			7, 16-17=-584/679	95,		
10-13=-212/ IOTES- (11-14)	/6795, 14-15=-584/679 83, 4-20=-3065/310, 4			468/125,			
	/138, 8-14=-4/719, 8-1: /2885	3=-3063/309, 9-13=	=-53/1183, 2-20=-	210/2882,			
) Unbalanced roof live load) Wind: ASCE 7-16; Vult=1				-5 Opef: h-23ft: C	at II: Evp B: Er	closed: Cable	
Roof; Hip Truss; MWFRS	(envelope) gable end $r(2D)$ 22.2, 14 to 20.0	zone and C-C Exte	erior(2E) -0-10-8 to	5 3-11-2, Exterior(2	2R) 3-11-2 to 10)-8-2, Interior(1)	AND
reactions shown; Lumber	DOI =1.60 plate aria D	DOL=1.60	-0-14 10 43-10-6 2				RTH CAHOLAN
) TCLL: ASCE 7-16; Pr=20. Cat B; Partially Exp.; Ce=		OL=1.15 Plate DOL	.=1.15); Pt=20.0 p	ost (Lum DOL=1.15	5 Plate DOL=1.1	15); Is=1.0; Rough	CROPLOS PARTA
) Unbalanced snow loads h) This truss has been desig	.0 psf (roof LL: Lum DC 1.0; Cs=1.00; Ct=1.10	for this design.	.0 psf or 2.00 time	es flat roof load of 2	20.0 psf on over	rhangs	SEAL
non-concurrent with other	.0 psf (roof LL: Lum DC 1.0; Cs=1.00; Ct=1.10 have been considered f ned for greater of min				·	IIIIII	28147
) All plates are MT20 plates	0.0 psf (roof LL: Lum DC 1.0; Cs=1.00; Ct=1.10 lave been considered f ined for greater of min live loads.	ndina	nonconcurrent wit	th any other live le	odo	Inner	Nowset 1
) * This truss has been desig	0.0 psf (roof LL: Lum DC 1.0; Cs=1.00; Ct=1.10 have been considered f ined for greater of min live loads. le to prevent water pon s unless otherwise indi- ned for a 10.0 psf bett	nding. icated.	nonconcurrent WI	reas where a recta	ingle 3-6-0 tall b	y 1-0-0 wide will fit	TAK & MORALININ
between the bottom chord 0) Provide mechanical con	0.0 psf (roof LL: Lum DC 1.0; CS=1.00; CI=1.10 lave been considered f ined for greater of min live loads. Je to prevent water pon s unless otherwise indi- ined for a 10.0 psf botti igned for a live load of	nding. icated. tom chord live load f 30.0psf on the bott	tom chord in all ar		lift at joint(s) ex	cept (jt=lb) 21=156	White the second states
, 12=156.	0.0 psf (roof LL: Lum DC 1.0; Cs=1.00; Ct=1.10 lave been considered f live loads. le to prevent water pon s unless otherwise indi igned for a 10.0 psf botti igned for a live load of a and any other membe nection (by others) of ti	nding. icated. tom chord live load f 30.0psf on the bott ers. truss to bearing plat	tom chord in all ar te capable of withs	standing 100 lb up		- •	6/13/2024
olivianuiaeg on pergify 21 esign pa	20mph (3-second gust (envelope) gable end r(2R) 32-3-14 to 39-0- DOL=1.60 plate grip D .0 psf (roof LL: Lum DC 1.0; Cs=1.00; Ct=1.10 ned for greater of min live loads. to prevent water pon s unless otherwise indi ined for a 10.0 psf botti igned for a 10.0 psf botti gin and any other membe nection (by others) of ti rameters and read notes ign parameters and proper y. Additional temporary b	nding. icated. tom chord live load f 30.0psf on the bott ers. truss to bearing plat	tom chord in all ar te capable of withs	standing 100 lb up			

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

Job	Truss	Truss Type	Qty	Ply	LOT 0.0109 BLAKE POND 101 FROST ME	EADOW WAY LILLINGTON, NC
24-5147-R01	R29	Hip	1	1	Job Reference (optional)	# 49568
Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jun 13 17:17:13 2024 Page 2						

ID:nz6ZjEh8hyBsN2cVXfLBO3zDgFc-LV_leB?bhpOYwYggWfgl2xxNAs2Dm4EQui7IX1z6eca 11) 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. 12) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

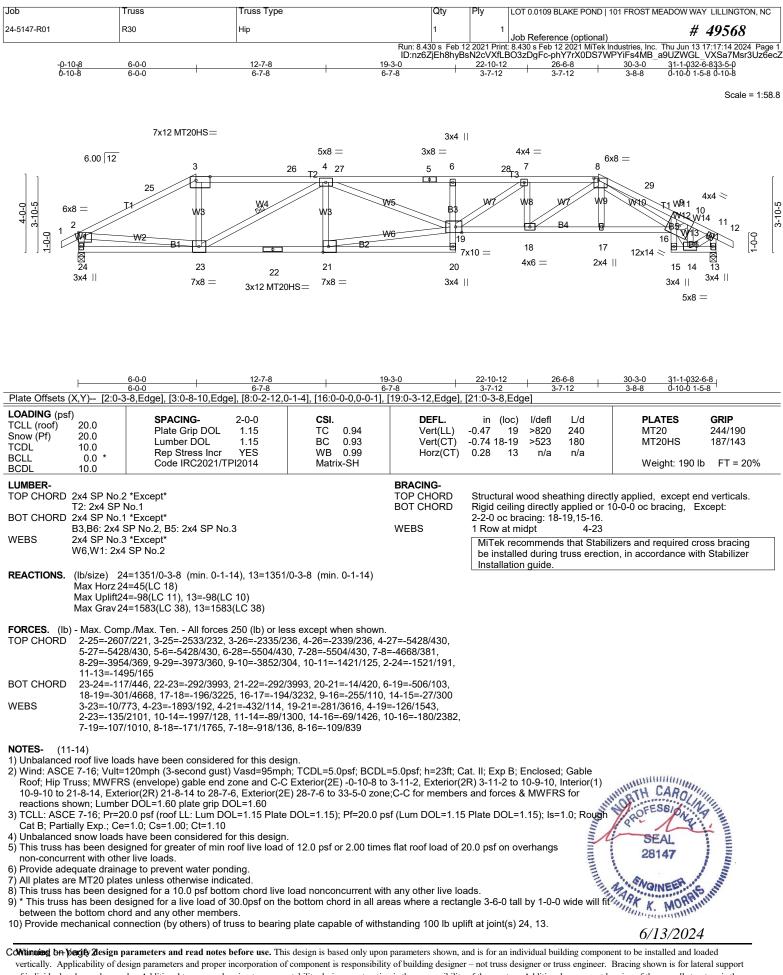
13) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate

Connected Wood Trustees 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 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



6/13/2024



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

Job	Truss	Truss Type	Qty	Ply	LOT 0.0109 BLAKE POND 101 FROST	MEADOW WAY LILLINGTON, NC
24-5147-R01	R30	Hip	1	1	Job Reference (optional)	# 49568
Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jun 13 17:17:14 2024 Page 2						

ID:nz6ZjEh8hyBsN2cVXfLBO3zDgFc-phY7rX0DS7WPYiFs4MB_a9UZWGL_VXSa7Msr3Uz6ecZ 11) 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. 12) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

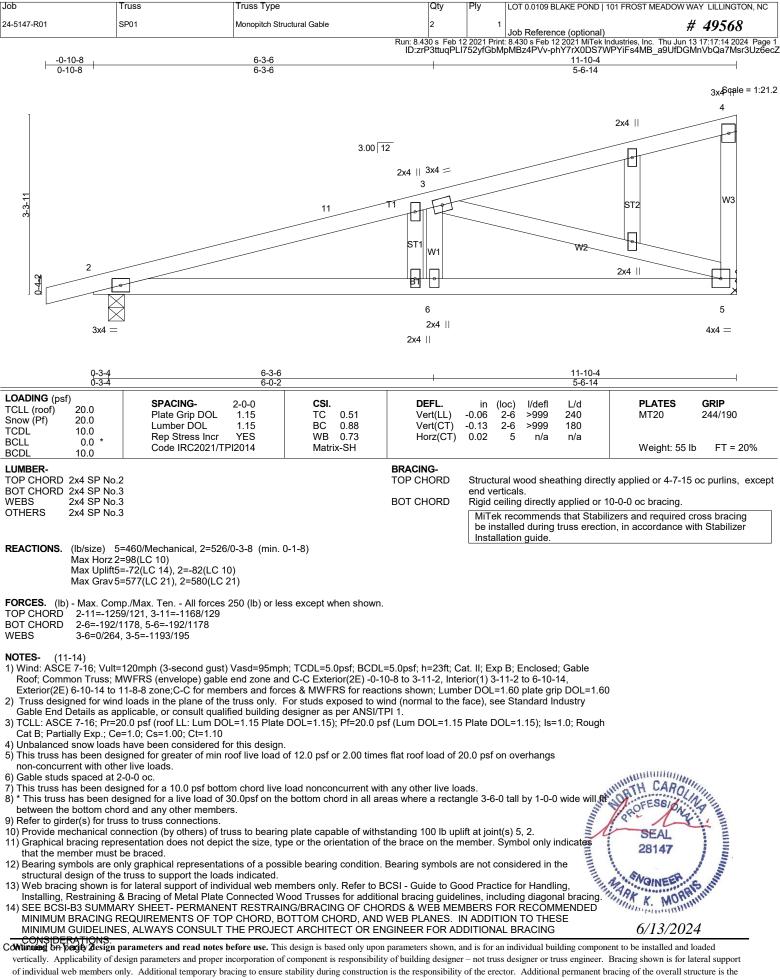
13) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate

Connected Wood Trustees 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 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



6/13/2024



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

Job	Truss	Truss Type	Qty	Ply	LOT 0.0109 BLAKE POND 101 FROST MEADOW WAY LILLINGTON, NC	
24-5147-R01	SP01	Monopitch Structural Gable	2	1	Job Reference (optional) # 49568	
Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MITek Industries, Inc. Thu Jun 13 17:17:15 2024 Page ID:zrP3ttuqPLI752yfGbMpMBz4PVv-Ht6V3t1rDQeG9rq2e3iD7M1qzqh0E2gjM0cObwz6ec						

LOAD CASE(S) Standard



6/13/2024

