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 #: 28669 JOB: 21-5763-R01 JOB NAME: LOT 1108 ANDERSON CREEK Wind Code: 37 Wind Speed: Vult= 135mph Exposure Category: B Mean Roof Height (feet): 23 These truss designs comply with IRC 2015 as well as IRC 2018. *46 Truss Design(s)*

Trusses:

D01, D02, J02, J03, J04, J05, J06, J07, J08, J09, J10, J11, J12, PB01, PB02, PB03, R01, R02, R03, R04, R05, R06, R07, R08, R09, R12, R13, R14, R15, R16, R17, R18, R19, VT01, VT02, VT03, VT04, VT05, VT06, VT06A, VT07, VT08, VT09, VT12, VT13, VT14



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Job	Truss	Truss Type	Qty	Ply	LOT 1108 ANDERSON CREEK TBD SCH	HOLAR DRIVE SPRING LAKE, NC
21-5763-R01	D01	Jack-Closed Structural Gable	2	1	Job Reference (optional)	# 28669
					8.430 s Feb 12 2021 MiTek Industries. Inc.	Thu Sep 30 14:14:57 2021 Page 2

ID:fqpPyxTP?wQMKHgHJPbYd8y4RP1-SbZ_G8RHp5LrHyroxL7SM_wZteGZg_JOcCH5UeyYQzS

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

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

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

LOAD CASE(S) Standard



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Max Grav 4=259(LC 21), 5=361(LC 21)

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown. TOP CHORD 2-5=-310/179

NOTES- (10-13)

- 1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) 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

- 7) Refer to girder(s) for trues to trues connections.
 8) Provide mechanical connection (by others) of trues to bearing plate capable of withstanding 65 lb uplift at joint 4 and 75 lb uplift at joint 5.
 9) This trues is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 10) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 11) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the trues 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 GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

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Plata Offacta (X V) [2:0 2 0 0 1 12]

Flate Offsets	$(\Lambda, I)^{}$ [2.0-2	-0,0-1-12]										
LOADING (ps TCLL (roof) Snow (Pf) TCDL BCLL BCDL	f) 20.0 20.0 10.0 0.0 * 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2018/TF	2-0-0 1.25 1.25 YES Pl2014	CSI. TC BC WB Matri	0.38 0.29 0.07 ix-R	DEFL. Vert(LL) Vert(CT) Horz(CT)	in -0.00 -0.00 -0.00	(loc) 1 1 7	l/defl n/r n/r n/a	L/d 180 80 n/a	PLATES MT20 Weight: 37 lb	GRIP 244/190 FT = 20%
LUMBER- TOP CHORD BOT CHORD WEBS OTHERS	2x4 SP No.2 2x4 SP No.3 2x4 SP No.3 2x4 SP No.3					BRACING- TOP CHORD BOT CHORD	Struc end v Rigid MiT be i	tural w verticals ceiling ek reco nstalleo	ood shea s. directly ommends d during	athing direct applied or 6 s that Stabil truss erection	lly applied or 6-0-0 oc 3-0-0 oc bracing. izers and required crono, in accordance wit	; purlins, except oss bracing h Stabilizer

Installation guide.

All bearings 6-11-8. REACTIONS.

(lb) - Max Horz 11=73(LC 11) Max Uplift All uplift 100 lb or less at joint(s) 7, 9, 8 except 10=-103(LC 14) Max Grav All reactions 250 lb or less at joint(s) 11, 7, 9, 10, 8

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

NOTES-(14-17)

- 1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) zone; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 4) 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 non-concurrent with other live loads
- 6) All plates are 2x4 MT20 unless otherwise indicated.
- 7) Gable requires continuous bottom chord bearing.

- 10) I rus truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 11) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide with second second
- 13) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

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Job	Truss	Truss Type	Qty	Ply	LOT 1108 ANDERSON CREEK TBD SCH	HOLAR DRIVE SPRING LAKE, NC
21-5763-R01	J04	Monopitch Supported Gable	1	1	Job Reference (optional)	# 28669
					8 430 s Feb 12 2021 MiTek Industries Inc.	Thu Sep 30 14:15:00 2021 Page 2

ID:fqpPyxTP?wQMKHgHJPbYd8y4RP1-sAF6uAT960kQ8QZNcTg9_cYAErIBtLyqIAVI5zyYQzP

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.
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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.

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- 2) 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, 5.
 9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
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Job	Truss	Truss Type	Qty	Ply	LOT 1108 ANDERSON CREEK TBD SCI	HOLAR DRIVE SPRING LAKE, NC
21-5763-R01	J06	HALF HIP	2	2	Job Reference (optional)	# 28669
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- 15) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
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LOAD CASE(S) Standard

L	UND CASE(S) Statigate
1) Dead + Show (balanced): Lumber increase=1.15, Plate increase=1.15
	Uniform Loads (plf)
	Vert: 1-2=-60, 2-3=-60, 4-5=-60, 5-6=-365, 7-10=-20
	Concentrated Loads (Ib)
	Vert: 5=-320
2) Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
	Uniform Loads (plf)
	Vert: 1-2=-100, 2-3=-100, 4-5=-100, 5-6=-405, 7-10=-20
	Concentrated Loads (lb)
	Vert: 5=-320
3) Dead + 0.75 Boof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Ŭ	Uniform Loads (http://www.anabou.com/anabou.co
	V_{ort} 1 2 = 80 2 3 = 80 4 5 = 80 5 6 = 385 7 10 = 20
	Veit. 1-200, 2-300, 4-300, 3-0303, 7-1020
	Vert: 5=-320
4) Dead + 0.75 Show (balanced): Lumber Increase=1.15, Plate Increase=1.15
	Uniform Loads (plf)
	Vert: 1-2=-50, 2-3=-50, 4-5=-50, 5-6=-355, 7-10=-20
	Concentrated Loads (Ib)
	Vert: 5=-320
5) Dead + 0.75 Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
	Uniform Loads (plf)
	Vert: 1-11=-50, 2-11=-57, 2-3=-57, 4-5=-29, 5-6=-334, 7-10=-20
	Concentrated Loads (Ib)
	Vert: 5=-320
6) Dead + 0.75 Snow (Inbal Right): I umber Increase=1.15 Plate Increase=1.15
Ŭ	Uniform Loads (nft)
	V_{ort} () 2 2 2 2 2 2 2 4 5 - 62 5 6 - 368 7 10 - 20
	Veit. 1-229, 2-329, 4-303, 3-0300, 7-1020
7	Veil. 3-320
1	Dead + Onimitabilable Attic Without Storage. Lumber increase – 1.25, Plate increase – 1.25
	Uniform Loads (pi)
	Vert: 1-2=-20, 2-3=-20, 4-5=-20, 5-6=-325, 7-10=-40
	Concentrated Loads (Ib)
	Vert: 5=-320
8) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
	Uniform Loads (plf)
	Vert: 1-2=60, 2-3=48, 4-5=48, 5-6=-257, 7-10=-10
	Horz: 1-2=-70, 2-3=-58, 3-4=-51, 2-10=-38
	Concentrated Loads (Ib)
	Vert: 5=-320
9) Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
	Uniform Loads (plf)
	Vert 1-2=-1 2-3=-45 4-5=-45 5-6=-350 7-10=-20
	Horz 1-2=-19 2-3=25 3-4=30 2-10=35
	Concentrated Loads (Ib)
	Vart 5=-320
1	0) Dead + 0.6 MW/EPS Wind (Post Internal) Left: Lumber Increase=1.60. Plate Increase=1.60
	Listern Loade (nf)
	Viert: 1 2-41 2 2-20 4 5-12 5 6- 202 7 10- 10
	Vert. 1 - 2 - 41, 2 - 3 - 29, 4 - 3 - 12, 5 - 0 - 293, 7 - 1010
	HO(2, 1-23), 2-339, 3-4-10, 2-10-10
	Concentrated Loads (ID)
	Vert: 5=-320
1	1) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
	Uniform Loads (plf)
	Vert: 1-2=9, 2-3=15, 4-5=29, 5-6=-276, 7-10=-10
	Horz: 1-2=-19, 2-3=-25, 3-4=-26, 2-10=-20
	Concentrated Loads (lb)
	Vert: 5=-320
1	2) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
	Uniform Loads (plf)
	Vert: 1-2=13, 2-3=8, 4-5=-9, 5-6=-314, 7-10=-20
	Horz: 1-2=-33, 2-3=-28, 3-4=32, 2-10=27
	Concentrated Loads (lb)
	Vert 5=-320
1	3) Dead + 0.6 MW/FRS Wind (Neg. Internal) Right: Lumber Increase=1.60. Plate Increase=1.60
1	Uniform Loads (olf)
	Viet $1 2 - 1 2 2 - 6 4 5 - 8 5 6 - 207 7 10 - 20$
	$v_{01} = 12 - 1, 2 - 0, 4 - 0 - 0, 3 - 0 - 2 - 2 - 0, 1 - 0 - 2 - 0 - 2 - 0 - 2 - 0 - 2 - 0 - 0$
	1 1 1 1 2



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Job	Truss	Truss Type	Qty	Ply	LOT 1108 ANDERSON CREEK TBD SCHOLAR	DRIVE SPRING LAKE, NC
21-5763-R01	J06	HALF HIP	2	2	Job Reference (optional)	# 28669

8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Sep 30 14:15:02 2021 Page 3 ID:fqpPyxTP?wQMKHgHJPbYd8y4RP1-pYNtJrVPed_80jjmjuid31d0jf?kLFF7mU_s9syYQzN

LOAD CASE(S) Standard Concentrated Loads (lb) Vert: 5=-320 14) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=23, 2-3=29, 4-5=12, 5-6=-293, 7-10=-10 Horz: 1-2=-33, 2-3=-39, 3-4=-44, 2-10=13 Concentrated Loads (lb) Vert: 5=-320 15) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=6, 2-3=12, 4-5=29, 5-6=-276, 7-10=-10 Horz: 1-2=-16, 2-3=-22, 3-4=-28, 2-10=-19 Concentrated Loads (lb) Vert: 5=-320 16) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=23, 2-3=29, 4-5=12, 5-6=-293, 7-10=-10 Horz: 1-2=-33, 2-3=-39, 3-4=-44, 2-10=13 Concentrated Loads (lb) Vert: 5=-320 17) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=6, 2-3=12, 4-5=29, 5-6=-276, 7-10=-10 Horz: 1-2=-16, 2-3=-22, 3-4=-28, 2-10=-19 Concentrated Loads (lb) Vert: 5=-320 18) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=13, 2-3=8, 4-5=-9, 5-6=-314, 7-10=-20 Horz: 1-2=-33, 2-3=-28, 3-4=-22, 2-10=24 Concentrated Loads (lb) Vert: 5=-320 19) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-4, 2-3=-9, 4-5=8, 5-6=-297, 7-10=-20 Horz: 1-2=-16, 2-3=-11, 3-4=-5, 2-10=-8 Concentrated Loads (lb) Vert: 5=-320 20) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-2=-100, 2-3=-20, 4-5=-20, 5-6=-325, 7-10=-20 Concentrated Loads (lb) Vert: 5=-320 21) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-11=-60, 2-11=-69, 2-3=-69, 4-5=-32, 5-6=-337, 7-10=-20 Concentrated Loads (lb) Vert: 5=-320 22) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-2=-32, 2-3=-32, 4-5=-77, 5-6=-382, 7-10=-20 Concentrated Loads (lb) Vert: 5=-320 23) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90 Uniform Loads (plf) Vert: 1-2=-20, 2-3=-20, 4-5=-20, 5-6=-325, 7-10=-20 Concentrated Loads (lb) Vert: 5=-320 24) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-25, 2-3=-29, 4-5=-42, 5-6=-347, 7-10=-20 Horz: 1-2=-25, 2-3=-21, 3-4=24, 2-10=20 Concentrated Loads (lb) SEAL 28147 Vert: 5=-320 25) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-35, 2-3=-40, 4-5=-29, 5-6=-334, 7-10=-20 Horz: 1-2=-15, 2-3=-10, 3-4=-3, 2-10=-7 Concentrated Loads (lb) Vert: 5=-320 26) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-25, 2-3=-29, 4-5=-42, 5-6=-347, 7-10=-20 Horz: 1-2=-25, 2-3=-21, 3-4=-16, 2-10=18 Concentrated Loads (lb) Vert: 5=-320 27) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60

9/28/2021

CoNtinuing by perfect 4 lesign parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 National Design Standard for Metal Plate Connected Wood Truss Construction and BCSI 1-03 Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 1108 ANDERSON CREEK T	BD SCHOLAR DRIVE SPRING LAKE, NC
21-5763-R01	J06	HALF HIP	2	2	Job Reference (optional)	# 28669

B.430 s Feb 12 2021 MiTek Industries, Inc. Thu Sep 30 14:15:02 2021 Page 4 ID:fqpPyxTP?wQMKHgHJPbYd8y4RP1-pYNtJrVPed_80jjmjuid31d0jf?kLFF7mU_s9syYQzN

LOAD CASE(S) Standard
Uniform Loads (plf) Vert: 1-2=-38 2-3=-42 4-5=-29 5-6=-334 7-10=-20
Horz: 1-2=-12, 2-3=-8, 3-4=-4, 2-10=-6
Vert: 5=-320
28) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf)
Vert: 1-2=-55, 2-3=-59, 4-5=-72, 5-6=-377, 7-10=-20
Concentrated Loads (lb)
Vert: 5=-320 29) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60. Plate Increase=1.60
Uniform Loads (plf)
Vert. 1-2=-05, 2-3=-70, 4-3=-39, 5-0=-304, 7-70=-20 Horz: 1-2=-15, 2-3=-10, 3-4=-3, 2-10=-7
Concentrated Loads (lb) Vert: 5=-320
30) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Vert: 1-2=-55, 2-3=-59, 4-5=-72, 5-6=-377, 7-10=-20
Horz: 1-2=-25, 2-3=-21, 3-4=-16, 2-10=18 Concentrated Loads (lb)
Vert: $5=-320$ 21) Dead + 0.75 Peof Live (bot.) + 0.75(0.6 MWERS Wind (blog. Int) and Perellel): Lumber Increase=1.60. Blote Increase=1.60.
Uniform Loads (plf)
Vert: 1-2=-68, 2-3=-72, 4-5=-59, 5-6=-364, 7-10=-20 Horz: 1-2=-12, 2-3=-8, 3-4=-4, 2-10=-6
Concentrated Loads (lb)
32) Dead + Minimum Snow: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf) Vert: 1-2=-60, 2-3=-60, 4-5=-60, 5-6=-365, 7-10=-20
Concentrated Loads (lb)
33) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf) Vert: 1-2=6, 2-3=-26, 4-5=-26, 5-6=-331, 7-10=-10
Horz: 1-2=-16, 2-3=16, 3-4=16, 2-10=16
Vert: 5=-320
34) Dead + 0.6 C-C Wind Min. Upward: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf)
Vert: 1-2=6, 2-3=6, 4-5=6, 5-6=-299, 7-10=-10 Horz: 1-2=-16, 2-3=-16, 3-4=-16, 2-10=-16
Concentrated Loads (lb)
Vert: 5=-320 35) 3rd Unbal.Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf) Vert: 1-2=-32 2-3=-32 4-5=-89 5-6=-394 7-10=-20
Concentrated Loads (lb)
36) 4th Unbal.Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf) Vert: 1-2=-89, 2-3=-89, 4-5=-32, 5-6=-337, 7-10=-20
Concentrated Loads (lb)
37) 5th Unbal.Dead + 0.75 Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf) Vert: 1-2=-29, 2-3=-29, 4-5=-72, 5-6=-377, 7-10=-20
Concentrated Loads (lb)
38) 6th Unbal.Dead + 0.75 Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf) Vert: 1-2=-72, 2-3=-72, 4-5=-29, 5-6=-334, 7-10=-20
Concentrated Loads (lb)
39) 7th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left) + Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (pif) Vert: 1-2=-4, 2-3=-8, 4-5=-64, 5-6=-369, 7-10=-20
Horz: 1-2=-25, 2-3=-21, 3-4=24, 2-10=20
Vert: 5=-320 40) 9th Liphel Dead + 0.75 (De MWERS Wind (Neg. Int) Left) + Dereilel: Lumber (Derease - 1.60) Plate (Derease - 1.60)
Uniform Loads (plf)
Vert: 1-2=-47, 2-3=-51, 4-5=-21, 5-6=-326, 7-10=-20 Horz: 1-2=-25, 2-3=-21, 3-4=24, 2-10=20
Concentrated Loads (lb)
9/28/2021

Continuing by paging Salesign parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 National Design Standard for Metal Plate Connected Wood Truss Construction and BCSI 1-03 Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 1108 ANDERSON CREEK TBD SCHOL	AR DRIVE SPRING LAKE, NC
21-5763-R01	J06	HALF HIP	2	2	Job Reference (optional)	# 28669

8.430 s Feb 12 2021 Mi Tek Industries, Inc. Thu Sep 30 14:15:02 2021 Page 5 ID:fqpPyxTP?wQMKHgHJPbYd8y4RP1-pYNtJrVPed_80jjmjuid31d0jf?kLFF7mU_s9syYQzN

LOAD CASE(S) Standard 41) 9th Unbal Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right) + Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-14, 2-3=-19, 4-5=-51, 5-6=-356, 7-10=-20 Horz: 1-2=-15, 2-3=-10, 3-4=-3, 2-10=-7 Concentrated Loads (lb) Vert: 5=-320 42) 10th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right) + Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-57, 2-3=-62, 4-5=-8, 5-6=-313, 7-10=-20 Horz: 1-2=-15, 2-3=-10, 3-4=-3, 2-10=-7 Concentrated Loads (lb) Vert: 5=-320 43) 11th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-4, 2-3=-8, 4-5=-64, 5-6=-369, 7-10=-20 Horz: 1-2=-25, 2-3=-21, 3-4=-16, 2-10=18 Concentrated Loads (lb) Vert: 5=-320 44) 12th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-47, 2-3=-51, 4-5=-21, 5-6=-326, 7-10=-20 Horz: 1-2=-25, 2-3=-21, 3-4=-16, 2-10=18 Concentrated Loads (lb) Vert: 5=-320 45) 13th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-17, 2-3=-21, 4-5=-51, 5-6=-356, 7-10=-20 Horz: 1-2=-12, 2-3=-8, 3-4=-4, 2-10=-6 Concentrated Loads (lb) Vert: 5=-320 46) 14th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-60, 2-3=-64, 4-5=-8, 5-6=-313, 7-10=-20 Horz: 1-2=-12, 2-3=-8, 3-4=-4, 2-10=-6 Concentrated Loads (lb) Vert: 5=-320 47) 15th Unbal.Dead + Minimum Snow + Parallel: Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-2=-32, 2-3=-32, 4-5=-89, 5-6=-394, 7-10=-20 Concentrated Loads (lb) Vert: 5=-320 48) 16th Unbal.Dead + Minimum Snow + Parallel: Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-2=-89, 2-3=-89, 4-5=-32, 5-6=-337, 7-10=-20 Concentrated Loads (lb) Vert: 5=-320 49) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 1-2=-100, 2-3=-100, 4-5=-20, 5-6=-325, 7-10=-20 Concentrated Loads (lb) Vert: 5=-320 50) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 1-2=-20, 2-3=-20, 4-5=-100, 5-6=-405, 7-10=-20 Concentrated Loads (lb) Vert: 5=-320 51) 3rd Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 1-2=-80, 2-3=-80, 4-5=-20, 5-6=-325, 7-10=-20 Concentrated Loads (lb) Vert: 5=-320 52) 4th Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 1-2=-20, 2-3=-20, 4-5=-80, 5-6=-385, 7-10=-20 Concentrated Loads (lb) Vert: 5=-320



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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 1108 ANDERSON CREEK TBD SCH	HOLAR DRIVE SPRING LAKE, NC
21-5763-R01	J07	MONOPITCH SUPPORTED	1	1	Job Reference (optional)	# 28669
					8 430 c Eob 12 2021 MiTok Industrios Inc.	Thu Son 30 14:15:03 2021 Page 2

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

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



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Job	Truss	Truss Type	Qtv	Plv	OT 1108 ANDERSON CREE		SPRINGLAKE NC
21-5763-R01	J08	JACK-PARTIAL	5	1		#	28669
					ob Reference (optional) 430 s Feb 12 2021 MiTek In	dustries, Inc. Thu Sep 30	14:15:04 2021 Page 1
		-0-10-8 2-4-8	4-5-8 5-1-1			gaffig ugunaanigaaligadx	polodotzekytozi
		0-10-8 2-4-8	2-1-0 0-8-6	0-11-13			0
	5-7-7	9.00 12 W2	2x4 3 W3 6 5x5	$\frac{4}{10}$	2-5-15 5-1-15		
	- 0 - 0 - 4	4x6 // Bt	9.00 12		3.1.8		
		4-5-8		5-1-10			
Plate Offsets (X,Y) [2:0)-2-14,0-2-0]	4-5-8	· · · · ·	1-8-2 '			
LOADING (psf) TCLL (roof) 20.0 Snow (Pf) 20.0 TCDL 10.0 BCLL 0.0 *	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 CSI. 1.25 TC 0.77 1.25 BC 0.23 YES WB 0.10	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) 0.21 6 -0.22 6 0.16 5) l/defl L/d 5 >346 240 5 >327 180 5 n/a n/a	PLATES MT20	GRIP 244/190
BCDL 10.0	Code IRC2018/1P	12014 Matrix-P					FI = 20%
						Weight: 34 lb	
LUMBER- TOP CHORD 2x4 SP No	b.2		BRACING- TOP CHORD	Structural	wood sheathing direct	ly applied or 6-0-0 oc	purlins, except
LUMBER- TOP CHORD 2x4 SP No BOT CHORD 2x4 SP No WEBS 2x4 SP No	5.2 5.2 5.3		BRACING- TOP CHORD BOT CHORD	Structural end vertica Rigid ceilir	wood sheathing direct als. ng directly applied or 9	ly applied or 6-0-0 oc	purlins, except
LUMBER- TOP CHORD 2x4 SP No BOT CHORD 2x4 SP No WEBS 2x4 SP No	5.2 5.2 5.3		BRACING- TOP CHORD BOT CHORD	Structural end vertica Rigid ceilir MiTek re be install Installatio	wood sheathing direct als. ng directly applied or 9 commends that Stabili led during truss erectic on guide	ly applied or 6-0-0 oc -3-0 oc bracing. izers and required cro on, in accordance with	purlins, except
LUMBER- TOP CHORD 2x4 SP No BOT CHORD 2x4 SP No WEBS 2x4 SP No 2x4 SP No REACTIONS. (Ib/size) Max Horz Max Uplif Max Grav	5.2 5.2 5.3 7=304/0-3-8 (min. 0-1-8), - 7=185(LC 12) t4=-152(LC 12) 7=304(LC 1), 4=243(LC 20	4=216/Mechanical, 5=16/Mechanic)), 5=32(LC 5)	BRACING- TOP CHORD BOT CHORD	Structural end vertica Rigid ceilir MiTek re be install Installatic	wood sheathing direct als. ng directly applied or 9 commends that Stabili led during truss erectic on guide.	ly applied or 6-0-0 oc I-3-0 oc bracing. izers and required cro on, in accordance with	purlins, except
LUMBER- TOP CHORD 2x4 SP No BOT CHORD 2x4 SP No WEBS 2x4 SP No WEBS 2x4 SP No REACTIONS. (Ib/size) Max Horz Max Uplif Max Grav FORCES. (Ib) - Max. Co TOP CHORD 2-7=-276 BOT CHORD 6-7=-407 WEBS 2-6=-117	5.2 5.2 5.3 7=304/0-3-8 (min. 0-1-8), 7=185(LC 12) t4=-152(LC 12) 7=304(LC 1), 4=243(LC 20 pmp./Max. Ten All forces 2 5/293 1/158 1/351	4=216/Mechanical, 5=16/Mechanic)), 5=32(LC 5) 250 (lb) or less except when shown	BRACING- TOP CHORD BOT CHORD	Structural end verticc Rigid ceilir MiTek re be install Installatic	wood sheathing direct als. ng directly applied or 9 commends that Stabili led during truss erectic on guide.	ly applied or 6-0-0 oc I-3-0 oc bracing. izers and required cro on, in accordance with	purlins, except
LUMBER- TOP CHORD 2x4 SP No BOT CHORD 2x4 SP No WEBS 2x4 SP No WEBS 2x4 SP No REACTIONS. (Ib/size) Max Horz Max Uplif Max Grav FORCES. (Ib) - Max. Co TOP CHORD 2-7=-276 BOT CHORD 2-7=-276 BOT CHORD 6-7=-40 WEBS 2-6=-112 NOTES- (10-13) 1) Wind: ASCE 7-16; Vul (envelope) gable end : shown; Lumber DOL= 2) TCLL: ASCE 7-16; Pr= Cat B; Partially Exp.; C 3) This truss has been de non-concurrent with of 4) This truss has been de 5) * This truss has been	2.2 2.2 2.3 7=304/0-3-8 (min. 0-1-8), - 7=185(LC 12) 44=-152(LC 12) 7=304(LC 1), 4=243(LC 20 pmp./Max. Ten All forces 2 3/293 1/158 1/351 tt=135mph (3-second gust) zone and C-C Exterior(2E) = 1.60 plate grip DOL=1.60 =20.0 psf (roof LL: Lum DO 2e=1.0; Cs=1.00; Ct=1.10 esigned for greater of min re ther live loads. seigned for a 10.0 psf botto designed for a live load of 3 hord and any other member russ to truss connections. onsiders parallel to grain valon in accordance with the 201	4=216/Mechanical, 5=16/Mechanic)), 5=32(LC 5) 250 (lb) or less except when shown Vasd=107mph; TCDL=5.0psf; BCl zone; end vertical left exposed;C-C L=1.25 Plate DOL=1.25); Pf=20.0 poof live load of 12.0 psf or 2.00 tim m chord live load nonconcurrent w 80.0psf on the bottom chord in all a 's. lue using ANSI/TPI 1 angle to grain ss to bearing plate capable of withs 18 International Residential Code s	BRACING- TOP CHORD BOT CHORD BOT CHORD cal cal cal cal cal cal cal cal cal cal	Structural end vertica Rigid ceilir MiTek re be install Installatio	wood sheathing direct als. ng directly applied or 9 commends that Stabili led during truss erection an guide. B; Enclosed; MWFRS VFRS for reactions =1.15); Is=1.0; Rough overhangs all by 1-0-0 wide will fit pould verify capacity of except (jt=lb) 4=152.).2 and referenced	ly applied or 6-0-0 oc -3-0 oc bracing. izers and required cro on, in accordance with the CARO SEAL 28147	purlins, except
LUMBER- TOP CHORD 2x4 SP NG BOT CHORD 2x4 SP NG WEBS 2x4 SP NG REACTIONS. (Ib/size) Max Horz Max Uplif Max Grav FORCES. (Ib) - Max. Co TOP CHORD 2-7=-276 BOT CHORD 6-7=-400 WEBS 2-6=-111 NOTES- (10-13) 1) Wind: ASCE 7-16; Vul (envelope) gable end 2 shown; Lumber DOL= 2) TCLL: ASCE 7-16; Pr Cat B; Partially Exp; C 3) This truss has been de non-concurrent with of 4) This truss has been de 5) * This truss has been de 5) Refer to girder(s) for t 7) Bearing at joint(s) 7 cc bearing surface. 8) Provide mechanical cc 9) This truss is designed standard ANSI/TPI 1.	2.2 2.2 2.3 7=304/0-3-8 (min. 0-1-8), - 7=185(LC 12) r4=-152(LC 12) 7=304(LC 1), 4=243(LC 20 pmp./Max. Ten All forces 2 5/293 1/158 1/351 1/158 1/351 1/158 1/351 1/251 1/200 pate grip DOL=1.60 =20.0 psf (roof LL: Lum DO 2=1.0; Cs=1.00; Ct=1.10 esigned for greater of min ro- ther live loads. esigned for a live load of 3 bord and any other member russ to truss connections. posiders parallel to grain val- ponnection (by others) of trus in accordance with the 201	4=216/Mechanical, 5=16/Mechanic 0), 5=32(LC 5) 250 (lb) or less except when shown Vasd=107mph; TCDL=5.0psf; BC zone; end vertical left exposed;C-0 L=1.25 Plate DOL=1.25); Pf=20.0 oof live load of 12.0 psf or 2.00 tim m chord live load nonconcurrent w 30.0psf on the bottom chord in all a 's. lue using ANSI/TPI 1 angle to grain as to bearing plate capable of withs 8 International Residential Code s	BRACING- TOP CHORD BOT CHORD BOT CHORD cal cal cal cal cal cal cal cal cal cal	Structural 1 end vertica Rigid ceilir MiTek re- be install Installatio	wood sheathing direct als. ng directly applied or 9 commends that Stabili led during truss erection on guide. B; Enclosed; MWFRS VFRS for reactions =1.15); Is=1.0; Rough overhangs all by 1-0-0 wide will fit nould verify capacity of except (jt=lb) 4=152. 0.2 and referenced	ly applied or 6-0-0 oc -3-0 oc bracing. izers and required cro on, in accordance with CARO SEAL 28147 9/28/2021	purlins, except

vertically. Applicability of design parameters and rotat notes or three user. This design is based only upon parameters shown, and is for an intrividual banking component to be instanted and based only upon parameters shown, and is for an intrividual banking component to be instanted and based only upon parameters shown, and is for an intrividual banking component to be instanted and based only upon parameters and instanted and based only upon parameters shown, and is for an intrividual banking component to be instanted and based only upon parameters shown, and is for an intrividual banking component to be instanted and based only upon parameters shown, and is for an intrividual banking component 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 1108 ANDERSON CREEK TBD SCI	HOLAR DRIVE SPRING LAKE, NC
21-5763-R01	30L	JACK-PARTIAL	5	1	Job Reference (optional)	# 28669
					8 430 s Eeb 12 2021 MiTek Industries Inc.	Thu Sep 30 14:15:04 2021 Page 2

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

LOAD CASE(S) Standard



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.

Job	Truss	Truss Type		Qty	Ply	LOT 1108 ANDERSON CREE	K TBD SCHOLAR DRIVE SPRING LAKE, NC
21-5763-R01	J09	Jack-Open Sup	oported Gable	1	1	Job Reference (optional)	# 28669
			<u>1</u>	ID:fqpPyxTP -7-0 -7-0	?wQMKH ⊣	8.430 s Feb 12 2021 MiTek In gHJPbYd8y4RP1-IxVdkXW	dustries, Inc. Thu Sep 30 14:15:04 2021 Page 1 g9EErd1t8rJI59SjwxSjrpAkQDoTzEkyYQzI
			3.00 12	2			Scale = 1:12.7
			2x4 2x4 1 W1 6 5 2x4 2x4 6 5 2x4 2x4	11 11 11 11 11 11 11 11 11 11			
LOADING (psi)	SPACINO	- 2_0_0	CSI	DEEL	in (l	oc) I/defl I/d	PLATES GRIP

LOADING (psf) TCLL (roof) 20.0 Snow (Pf) 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING-2-0-0Plate Grip DOL1.25Lumber DOL1.25Rep Stress IncrYESCode IRC2018/TPI2014	CSI.DEFL.TC0.08Vert(LLBC0.05Vert(C'WB0.02Horz(C'Matrix-RVert(C')	in (loc) l/defl L/d) n/a - n/a 999) n/a - n/a 999 Г) -0.00 4 n/a n/a	PLATES GRIP MT20 244/190 Weight: 10 lb FT = 20%
LUMBER- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3 OTHERS 2x4 SP No.3		BRACING- TOP CHORE BOT CHORE	Structural wood sheathing direct end verticals. Rigid ceiling directly applied or 4 MiTek recommends that Stabil be installed during truss erection	ly applied or 1-7-0 oc purlins, except 0-0-0 oc bracing. izers and required cross bracing on, in accordance with Stabilizer

REACTIONS. (lb/size) 6=24/1-7-0 (min. 0-1-8), 4=24/1-7-0 (min. 0-1-8), 5=55/1-7-0 (min. 0-1-8) Max Horz 6=35(LC 11) Max Uplift6=-8(LC 12), 4=-19(LC 11), 5=-15(LC 11) Max Grav 6=29(LC 28), 4=28(LC 20), 5=63(LC 20)

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

NOTES-(12-15)

- 1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) zone; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1
- 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 4) Unbalanced snow loads have been considered for this design.
- 5) Gable requires continuous bottom chord bearing.
- 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 7) Gable studs spaced at 2-0-0 oc
- 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 10) FLOVIDE mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 4, 5.
 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 12) Graphical bracing representation does not depict the size, type or the origination.

- 13) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the
- 14) Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling,
- Hat the member must be braced. Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated. Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing. SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED ANNIMULIA BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE NEW MARK SHEET OF CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITIONAL BRACING 15)MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

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.

NAVIN AND MARINE CONTRACTOR

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K. MORP

9/28/2021



LOADING (ps TCLL (roof) Snow (Pf) TCDL BCLL BCDL	f) 20.0 20.0 10.0 0.0 * 10.0	SPACING-2-0-0Plate Grip DOL1.25Lumber DOL1.25Rep Stress IncrYESCode IRC2018/TPI2014	CSI. TC 0.18 BC 0.06 WB 0.02 Matrix-R	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) -0.00 1 -0.00 1 -0.00 5	l/defl n/r n/r n/a	L/d 180 80 n/a	PLATES MT20 Weight: 12 lb	GRIP 244/190 FT = 20%
LUMBER- TOP CHORD BOT CHORD WEBS	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3			BRACING- TOP CHORD BOT CHORD	Structural w end verticals Rigid ceiling	ood shea s. directly	athing direct applied or 6	tly applied or 1-7-0 oc	c purlins, except
OTHERS	2x4 SP No.3				MiTek reco be installed Installation	ommend d during guide.	s that Stabil truss erection	izers and required cr on, in accordance wit	oss bracing h Stabilizer

REACTIONS. (lb/size) 7=126/1-7-0 (min. 0-1-8), 5=16/1-7-0 (min. 0-1-8), 6=23/1-7-0 (min. 0-1-8) Max Horz 7=40(LC 11) Max Uplift7=-57(LC 10), 5=-20(LC 11), 6=-25(LC 20) Max Grav 7=181(LC 20), 5=19(LC 21), 6=34(LC 7)

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

NOTES-(13-16)

- 1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) zone; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1
- 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 4) 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
- non-concurrent with other live loads. Gable requires continuous bottom chord bearing.
- 7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web). 8) Gable studs spaced at 2-0-0 oc.

- c) This truss has been designed for a 10.0 pst bottom chord live load nonconcurrent with any other live loads.
 10) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 5. 6.
 12) This truss is designed in accordance with the 2000 bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 5. 6. Julia A.

SEAL

28147

NOINE

K. MORP

9/28/2021

minint

- 12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802 10.2 and referenced standard ANSI/TPI 1.
- 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. 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 1108 ANDERSON CREEK TBD SCHO	LAR DRIVE SPRING LAKE, NC
21-5763-R01	J10	Jack-Open Supported Gable	1	1	Job Reference (optional)	# 28669

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LOAD CASE(S) Standard

ob	Truss	Truss Type	Qty	Ply	LOT 1108 ANDERSON CREEK TBD SCHOLAR DRIVE SPRIN
1-5763-R01	J10	Jack-Open Supported Gable	1	1	Ich Reference (optional) # 2860



9/28/2021

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Plate Connected Wood Trusses 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 1108 ANDERSON CREEK TBD SCI	HOLAR DRIVE SPRING LAKE, NC
21-5763-R01	J11	Half Hip Girder	2	1	Job Reference (optional)	# 28669
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8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Sep 30 14:15:06 2021 Page 2 ID:fqpPyxTP?wQMKHgHJPbYd8y4RP1-hKcN9DYwhsUZsL1XyknZEtoFxGPpH4Mjg6y4ldyYQzJ

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, 4-5=-20 Concentrated Loads (lb)

Vert: 5=-10



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.



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





9/28/2021

Continuing by ber berge Zesign parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 National Design Standard for Metal Plate Connected Wood Truss Construction and BCSI 1-03 Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 1108 ANDERSON CREEK TBD SCI	HOLAR DRIVE SPRING LAKE, NC
21-5763-R01	PB01	GABLE	1	1	Job Reference (optional)	# 28669
					8 430 s Eeb 12 2021 MiTek Industries Inc.	Thu Sep 30 1/115:08 2021 Page 2

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

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

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

LOAD CASE(S) Standard



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LOAD CASE(S) Standard

Warning !--Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 National Design Standard for Metal Plate Connected Wood Truss Construction and BCSI 1-03 Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.



BRACING-TOP CHORD BOT CHORD

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

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

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

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

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

NOTES-(10-13)

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.3

2x4 SP No.3

WFBS

- 1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6)* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.
- 8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced

- 1) Instrumentation of the control of the c

LOAD CASE(S) Standard

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.





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 1108 ANDERSON CREEK TBD SCH	IOLAR DRIVE SPRING LAKE, NC
21-5763-R01	R01	GABLE	1	1	Job Reference (optional)	# 28669
	·	ID:fq	pPyxTP?wQN	IKHgHJPb	8.430 s Feb 12 2021 MiTek Industries, Inc. Vd8y4RP1-2HQGCwc3WO6sz6vUIHN	Thu Sep 30 14:15:11 2021 Page 2 IIxxV6TH31yHYSqOgr_qyYQzE

NOTES- (15-18)

- 14) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 15) 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 ENCINEER FOR ADDITIONAL BRACING CONSIDERATIONS ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



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CoNtinuing by perfect 2 lesign parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 National Design Standard for Metal Plate Connected Wood Truss Construction and BCSI 1-03 Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 1108 ANDERSON CREEK TBD SCI	HOLAR DRIVE SPRING LAKE, NC
21-5763-R01	R02	Roof Special	6	1	Job Reference (optional)	# 28669
					8 430 s Eeb 12 2021 MiTek Industries Inc.	Thu Sen 30 14:15:12 2021 Page 2

ID:fqpPyxTP?wQMKHgHJPbYd8y4RP1-WTzfQGchHiEjaGUhJ?u_T824thHVhZNb32POWHyYQzD

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

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

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

LOAD CASE(S) Standard



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Job	Truss	Truss Type	Qty	Ply	LOT 1108 ANDERSON CREEK TBD SCH	HOLAR DRIVE SPRING LAKE, NC
21-5763-R01	R03	Roof Special	5	1	Job Reference (optional)	# 28669
					8 430 s Feb 12 2021 MiTek Industries Inc.	Thu Sep 30 14:15:13 2021 Page 2

ID:fqpPyxTP?wQMKHgHJPbYd8y4RP1-_gX1dcdJ2?MaCP3ttiPD0MbJD5bGQ16IHi9y2jyYQzC

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

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

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

LOAD CASE(S) Standard



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CONtinuing br-begig/Zlesign parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 National Design Standard for Metal Plate Connected Wood Truss Construction and BCSI 1-03 Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 1108 ANDERSON CREEK TBD SCH	HOLAR DRIVE SPRING LAKE, NC
21-5763-R01	R04	Roof Special Structural Gable	1	1	Job Reference (optional)	# 28669
					8,430 s Feb 12 2021 MiTek Industries, Inc.	Thu Sep 30 14:15:15 2021 Page 2

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

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

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

LOAD CASE(S) Standard



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Job	Truss	Truss Type	Qty	Ply	LOT 1108 ANDERSON CREEK TBD SC	HOLAR DRIVE SPRING LAKE, NC
21-5763-R01	R05	Roof Special	5	1	Job Reference (optional)	# 28669

8.430 s Feb 12 2021 MITek Industries, Inc. Thu Sep 30 14:15:16 2021 Page 2 ID:fqpPyxTP?wQMKHgHJPbYd8y4RP1-OFD9FefBLwl93toSYqywe_CmdlcNdSHB_gNcf2yYQz9

LOAD CASE(S) Standard



9/28/2021



vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 Guide to *Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.



- 6) Gable requires continuous bottom chord bearing.
- 7)
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 11, 15, 16, 17 38
- 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced

(able requires continuous bottom chord bearing.)
(able requires continuous bottom chord bearing.)
(able studs spaced at 2-0-0 oc.)
(This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord any other members, with BCDL = 10.0psf.
(D) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 11, 15, 16, 17, 18, 19, 14, 13, 12.
(This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. Annun Art Star

9/28/2021

Job	Truss	Truss Type	Qty	Ply	LOT 1108 ANDERSON CREEK TBD SCH	HOLAR DRIVE SPRING LAKE, NC
21-5763-R01	R07	GABLE	1	1	Job Reference (optional)	# 28669
					8 430 s Feb 12 2021 MiTek Industries Inc.	Thu Sep 30 14:15:17 2021 Page 2

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

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

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

LOAD CASE(S) Standard





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 1108 ANDERSON CREEK TBD SC	CHOLAR DRIVE SPRING LAKE, NC
21-5763-R01	R08	Flat Girder	1	2	Job Reference (optional)	# 28669
		ID:fq	pPyxTP?w	2 MKHqHJ	8.430 s Feb 12 2021 MiTek Industries, Inc PbYd8y4RP1-IC02ILjK9SNR9egPL0	c. Thu Sep 30 14:15:21 2021 Page 2 Y5L2wfoJMEIfWw7x5NKFyYQz4

NOTES-(16-19)

11) Use Simpson Strong-Tie LUS24 (4-10d Girder, 2-10d Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at 2-0-12 from the left end to 22-0-12 to connect truss(es) R06 (1 ply 2x4 SP), R05 (1 ply 2x4 SP) to front face of bottom chord. 12) Use Simpson Strong-Tie LUS24 (4-10d Girder, 2-10d Truss, Single Ply Girder) or equivalent spaced at 10-9-8 oc max. starting at 5-10-12 from the left end to 16-8-4 to

connect truss(es) D01 (1 ply 2x4 SP) to back face of hottom chord. 13) Use Simpson Strong-Tie LUS24 (4-10d Girder, 2-10d Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at 6-8-4 from the left end to 14-8-4 to connect

truss(es) D02 (1 ply 2x4 SP) to back face of bottom chord.

14) Fill all nail holes where hanger is in contact with lumber.

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

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: 1-7=-60, 8-15=-20

Concentrated Loads (lb)

Vert: 10=-675(F) 14=-667(F) 2=-156(B) 16=-156(B) 17=-156(B) 18=-156(B) 19=-173(B) 20=-667(F) 21=-996(F=-667, B=-329) 22=-356(B) 23=-667(F) 24=-356(B) 10=-156(B) 10=-25=-667(F) 26=-356(B) 27=-667(F) 28=-356(B) 29=-675(F) 30=-356(B) 31=-329(B) 32=-675(F) 33=-675(F) 34=-683(F=-681, B=-2)



9/28/2021

Job	Truss	Truss Type		Qty	Ply	LOT 1108 ANDERSON CRE	EK TBD SCHOLAR DRIVE	SPRING LAKE, NC
21-5763-R01	R09	Monopitch Sup	ported Gable	1		1	#	28669
				ID:fapPvxTP?\	 wQMKHa	8.430 s Feb 12 2021 MiTek In 8.430 s Feb 12 2021 MiTek In 1HJPbYd8v4RP1-IC02ILiK9S	ndustries, Inc. Thu Sep 30 1 SNR9egPLOY5L2wIUJR	4:15:21 2021 Page 1 4:15:25NKFvYQz4
			<u>1'</u> 1'	1-9-10 1-9-10				
					3x4	+		Scale = 1:55.3
		l				7		
					. //	P		
				/				
			9.00 12	5				
			4	16				
		9-7-3	15	B		×V2		
			3 PI	STA	ST5			
			2	ята				
		1	B ST2 ST1					
		0-6-		Bg1 D				
					~~~~			
		14 3x8	13 12 17	11 10	9	8 3x4		
Plate Offsets (X,Y) [14	1:0-4-0.0-0-4]	ŀ						
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc) l/defl L/d	PLATES	GRIP
TCLL (roof)         20.0           Snow (Pf)         20.0	Plate Grip DOL Lumber DOL	1.25 1.25	TC 0.41 BC 0.43	Vert(LL) Vert(CT)	n/a n/a	- n/a 999 - n/a 999	MT20	244/190
ICDL 10.0 BCLL 0.0 *	Rep Stress Incr Code IRC2018/T	YES PI2014	WB 0.16 Matrix-R	Horz(CT)	-0.00	8 n/a n/a	Weight: 88 lb	FT = 20%
LUMBER-		-		BRACING-			0	
TOP CHORD 2x4 SP N BOT CHORD 2x4 SP N	o.2 o.3			TOP CHORD	Structi end ve	ural wood sheathing direc	tly applied or 6-0-0 oc	purlins, except
WEBS 2x4 SP N OTHERS 2x4 SP N	o.3 o.3			BOT CHORD WEBS	Rigid o 1 Row	ceiling directly applied or 1 at midpt 7-8	10-0-0 oc bracing.	
2					MiTe	k recommends that Stabil	izers and required cro	ss bracing
					lnsta	stalled during truss erectle llation guide.	on, in accordance with	Stabilizer
(lb) - Max Horz	ings 11-9-10. z 14=326(LC 12)							
Max Upli Max Grav	All uplift 100 lb or less at All reactions 250 lb or les	joint(s) 14, 8, ss at joint(s) 8	11, 12, 10, 9 except 13 , 12, 13 except 14=346	3=-235(LC 12) 5(LC 12), 11=267(I	LC 19), ⁻	10=262(LC 19),		
	9=268(LC 19)							
TOP CHORD 1-14=-4	omp./Max. Ten All forces 18/159, 1-2=-665/290, 2-3=	250 (lb) or les -482/213, 3-1	s except when shown. 5=-382/159, 4-15=-375	5/172,				
4-16=-2 WEBS 2-13=-1	78/102, 5-16=-267/123 69/288							
NOTES- (12-15)								
1) Wind: ASCE 7-16; Vu (envelope) gable end	It=135mph (3-second gust) zone and C-C Corner(3E) (	Vasd=107mp )-1-12 to 4-11	oh; TCDL=5.0psf; BCD -6, Exterior(2N) 4-11-6	L=5.0psf; h=23ft; ( to 6-10-4, Corner	Cat. II; E (3E) 6-1	Exp B; Enclosed; MWFRS 0-4 to 11-7-14 zone; end		
vertical left exposed;0 2) Truss designed for w	C-C for members and forces ind loads in the plane of the	s & MWFRS fo e truss only. F	or reactions shown; Lur For studs exposed to wi	mber DOL=1.60 pl ind (normal to the	late grip face), se	DOL=1.60 ee Standard Industry		
Gable End Details as 3) TCLL: ASCE 7-16; Pr	applicable, or consult quali =20.0 psf (roof LL: Lum DC	fied building d L=1.25 Plate	lesigner as per ANSI/T DOL=1.25); Pf=20.0 ps	PI 1. sf (Lum DOL=1.15	Plate D	OL=1.15); ls=1.0; Rough		
Cat B; Partially Exp.; 4) All plates are 2x4 MT	Ce=1.0; Cs=1.00; Ct=1.10 20 unless otherwise indicate	ed.					MUMMUMUM	
<ul><li>5) Gable requires contin</li><li>6) Truss to be fully shea</li></ul>	uous bottom chord bearing. thed from one face or secu	ely braced ac	ainst lateral movement	t (i.e. diagonal wel	b).		WINRTH LAROL	1111
<ul><li>7) Gable studs spaced a</li><li>8) This truss has been d</li></ul>	t 2-0-0 oc. esigned for a 10.0 psf botto	m chord live l	oad nonconcurrent witl	h anv other live loa	áds.	innin,	A OFESSION A	A HANNING STATE
9) * This truss has been between the bottom c	designed for a live load of a hord and any other membe	30.0psf on the rs. with BCDL	bottom chord in all are = 10.0psf.	eas where a rectar	ngle 3-6	-0 tall by 1-0-0 wide will fit	SEAL	
10) Provide mechanical except (it=lb) 13=23	connection (by others) of tr	uss to bearing	plate capable of withs	tanding 100 lb upl	lift at joir	nt(s) 14, 8, 11, 12, 109	28147	
11) This truss is designed standard ANSI/TPL1	d in accordance with the 20	018 Internation	nal Residential Code s	ections R502.11.1	and R8	02.10.2 and referenced	1 ANGINEER C	unu
						3	MARK K. MORRIN	In.

- Continuing on particle sign parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 National Design Standard for Metal Plate Connected Wood Truss Construction and BCSI 1-03 Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Manna 9/28/2021

Job	Truss	Truss Type	Qty	Ply	LOT 1108 ANDERSON CREEK   TBD SCH	HOLAR DRIVE SPRING LAKE, NC
21-5763-R01	R09	Monopitch Supported Gable	1	1	Job Reference (optional)	# 28669
					8 430 s Feb 12 2021 MiTek Industries Inc.	Thu Sep 30 14:15:22 2021 Page 2

ID:fqpPyxTP?wQMKHgHJPbYd8y4RP1-DPaRWhkywmVInoFcu53KtFSwEjn61H33MbqwsiyYQz3

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

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

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

LOAD CASE(S) Standard





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 1108 ANDERSON CREEK   TBD SCH	HOLAR DRIVE SPRING LAKE, NC
21-5763-R01	R12	GABLE	1	1	Job Reference (optional)	# 28669
					0 400 - Est 40 0004 Mits Is Is destrict Is	Thu Can 20 44 45-04 2024 Dame C

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# NOTES- (17-20)

- 10) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 11) Gable studs spaced at 2-0-0 oc.
- 12) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 13) * 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.
- 14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14, 35, 34, 36, 41, 42, 43, 33, 32, 30, 29, 28, 27, 26 except (jt=lb) 45=674, 24=601, 40=142, 39=113, 44=547, 25=607.
- 15) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 40, 36, 37, 38, 39, 41, 42, 43, 44.
- 16) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 17) 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. 18) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 19) 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. 20) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard





vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 Guide to *Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 1108 ANDERSON CREEK   TBD SCH	HOLAR DRIVE SPRING LAKE, NC
21-5763-R01	R13	Piggyback Base	4	1	Job Reference (optional)	# 28669
					8.430 s Feb 12 2021 MiTek Industries. Inc.	Thu Sep 30 14:15:25 2021 Page 2

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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.

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

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

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	LOT 1108 ANDERSON CREE	K   TBD SCHOLAR DRIVE SPRING LAKE, NC
21-5763-R01	R14	Piggyback Base	5	1		# 28669
					Job Reference (optional) 8,430 s Feb 12 2021 MiTek In	dustries, Inc. Thu Sep 30 14:15:25 2021 Page 1
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		8-3-8	3-8-8	4-2-0	<u>)</u>	
						Scale - 1:68 7
			5x6 =		3x4	Scale - 1.06.7
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	3-0-0	Wi	6x8 =			
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		7 5.00 12			3x4 ≈	
		3x4	40.4			
		8-3-8	7-10	2-0 )-8	———————————————————————————————————————	
Plate Offsets (X,Y) [1:0-	<u>-2-0,0-1-12], [3:0-3-12,0-1-</u>	12]	1			
LOADING (psf)	SPACING-	2-0-0 <b>CSI</b> .	DEFL.	in (le	oc) l/defl L/d	PLATES GRIP
Snow (Pf) 20.0	Plate Grip DOL	1.25 TC 0.87	Vert(LL)	-0.15 6	6-7 >999 240	MT20 244/190
TCDL 10.0	Rep Stress Incr	YES WB 0.88	Horz(CT)	0.04	5 n/a n/a	
BCDL 10.0	Code IRC2018/TP	I2014 Matrix-SH				Weight: 126 lb FT = 20%
LUMBER-			BRACING-			
TOP CHORD 2x4 SP No	.2		TOP CHORD	Structur	al wood sheathing direct	ly applied, except end verticals.
WEBS 2x4 SP No	.2 .3		WEBS	1 Row a	at midpt 4-5, 3-	5
				MiTek	recommends that Stabili	zers and required cross bracing
				be inst	talled during truss erectio	on, in accordance with Stabilizer
REACTIONS. (Ib/size)	5=635/Mechanical, 7=635/I	Mechanical		Installa	alion guide.	
Max Horz	7=345(LC 12)					
Max Opline	5=-247(LC 12)					
FORCES. (lb) - Max. Cor	np./Max. Ten All forces 2	250 (lb) or less except when shown				
BOT CHORD 1-8=-788/	/112, 2-8=-616/139, 2-3=-7 /250	96/395, 1-7=-587/178				
WEBS 2-6=-510	/392, 3-6=-551/931, 3-5=-5	47/316, 1-6=0/444				
NOTES- (9-12)						
1) Wind: ASCE 7-16; Vult	=135mph (3-second gust)	Vasd=107mph; TCDL=5.0psf; BCD	L=5.0psf; h=23ft; 0	Cat. II; Ex	p B; Enclosed; MWFRS	
(envelope) gable end z	one and C-C Exterior(2E) (	)-1-12 to 4-11-6, Exterior(2R) 4-11-	6 to 12-0-0, Exteric	or(2E) 12-	0-0 to 16-0-4 zone;C-C	
2) TCLL: ASCE 7-16; Pr=	20.0 psf (roof LL: Lum DOL	_=1.25 Plate DOL=1.25); Pf=20.0 p	sf (Lum DOL=1.15	Plate DO	)L=1.15); ls=1.0; Rough	
Cat B; Partially Exp.; C	e=1.0; Cs=1.00; Ct=1.10	· · ·			, -	
4) This truss has been de	signed for a 10.0 psf bottor	n chord live load nonconcurrent wit	h anv other live loa	ıds.		
5) * This truss has been d	lesigned for a live load of 3	0.0psf on the bottom chord in all ar	eas where a rectar	igle 3-6-0	) tall by 1-0-0 wide will fit	
6) Refer to girder(s) for true	ord and any other members	S.				
7) Provide mechanical co	nnection (by others) of trus	s to bearing plate capable of withst	anding 100 lb uplif	at joint(s	s) except (jt=lb) 5=247.	AND ALL MANDER AND
8) This truss is designed i	n accordance with the 201	8 International Residential Code se	ctions R502.11.1 a	ind R802.	.10.2 and referenced	BTH LAHOLIN
9) Graphical bracing repre	esentation does not depict	the size, type or the orientation of th	ne brace on the me	mber. Sy	mbol only indicates that	OFESSIDA 9
the member must be br	raced.		De suis a complete a		IIII	at the
structural design of the	e truss to support the loads	s indicated.	Bearing symbols a	are not co		SEAL
11) Web bracing shown is	s for lateral support of indiv	idual web members only. Refer to E	BCSI - Guide to Go	od Practio	ce for Handling, 📑	28147
12) SEE BCSI-B3 SUMM	& Bracing of Metal Plate C ARY SHEET- PERMANEN	TRESTRAING/BRACING OF CHC	ONAL BRACING GUIDEL	INES, INCIU	OR RECOMMENDED	No. ol I
MINIMUM BRACING	REQUIREMENTS OF TOP	CHORD, BOTTOM CHORD, AND	WEB PLANES. I		ON TO THESE	VOINEE OS INT
	ES, ALWAYS CONSULT T	HE PROJECT ARCHITECT OR EN	NGINEER FOR AD	DITIONA	L BRACING	MARK MORMUN
						0/20/2021
LOAD CASE(S) Standard						9/28/2021
Warning !Verify design	parameters and read notes be	efore use. This design is based only upor	n parameters shown, a	nd is for an	n individual building compone	ent to be installed and loaded

vertically. Applicability of design parameters and read notes before use. This bego manneed and total of additional component is or an individual voltage on parameters and read notes before use. This bego manneed and total of additional permanent backing component is responsibility of building designer – not truss designer or truss engineer. Bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 Guide to *Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.



LOADING (ps TCLL (roof) Snow (Pf) TCDL BCLL BCDL	f) 20.0 20.0 10.0 0.0 * 10.0	SPACING- 2-0-0 Plate Grip DOL 1.25 Lumber DOL 1.25 Rep Stress Incr YES Code IRC2018/TPI2014	CSI. TC 0.19 BC 0.10 WB 0.31 Matrix-SH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (lo 0.00 -0.00 -0.00	oc)   1 2 8	l/defl n/r n/r n/a	L/d 180 80 n/a	PLATES MT20 Weight: 94 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER- TOP CHORD	2x4 SP No.2			BRACING- TOP CHORD	Structura	ral woo	od shea	athing direc	tly applied or 6-0-0 o	c purlins, except
BOT CHORD	2x4 SP No.3				end vert	ticals.		U U		
WEBS	2x4 SP No.3			BOT CHORD	Rigid ce	eiling d	lirectly	applied or '	10-0-0 oc bracing, E	xcept:
UTHERS	2X4 SP No.3			WEBS	6-0-0 oc 1 Row a	c braci at midp	ng: 12- ot	·13. 7-8, 6·	-9	
					MiTek be inst Installa	recom talled o ation o	nmends during iuide.	s that Stabi truss erecti	lizers and required cr on, in accordance wit	oss bracing h Stabilizer

#### REACTIONS. All bearings 9-9-8.

(lb) - Max Horz 13=264(LC 12)

- FORCES. (lb) Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.
- TOP CHORD 2-13=-1034/430, 2-3=-517/231, 3-4=-419/182, 4-14=-293/108, 5-14=-282/130
- BOT CHORD 12-13=-584/225
- 2-12=-405/1051 WEBS

NOTES-(13-16)

- 1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-10-8 to 4-0-0, Exterior(2N) 4-0-0 to 4-10-2, Corner(3E) 4-10-2 to 9-7-12 zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry
- Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1. 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough PROFESSI Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs
- non-concurrent with other live loads. 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) Gable requires continuous bottom chord bearing.
- 7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 8) Gable studs spaced at 2-0-0 oc.
- 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

9) This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a sum of a number of 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) 8, 11, 10, 9 except (14-15) 13=202 12=490.

Continuing by ber berge Zesign parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 National Design Standard for Metal Plate Connected Wood Truss Construction and BCSI 1-03 Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

A.A. A. A. A. Burn

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

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

Job	Truss	Truss Type	Qty	Ply	LOT 1108 ANDERSON CREEK   TBD SCI	HOLAR DRIVE SPRING LAKE, NC
21-5763-R01	R15	GABLE	1	1	Job Reference (optional)	# 28669
					8 430 s Eeb 12 2021 MiTek Industries Inc.	Thu Sen 30 14:15:27 2021 Page 2

ID:fqpPyxTP?wQMKHgHJPbYd8y4RP1-aMNKZOo5II7buZ7ZhefVaJAqTkZRiWsoVtYhYvyYQz_

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

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

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

LOAD CASE(S) Standard



Job	Truss	Truss Type	9	Qty	Ply	LOT 1108 ANDERSON CREE	EK   TBD SCHOLAR DRIVE SPRING LAKE, NC
21-5763-R01	R16	Monopitch		5	1	lob Reference (ontional)	# 28669
	I	1		ID:fapPyxTP?	wOMKHat	8.430 s Feb 12 2021 MiTek In J.IPbYd8v4RP1-aMNKZOo	dustries, Inc. Thu Sep 30 14:15:27 2021 Page 1 5II7buZ7ZbefVa.IAfukRuiVvoVtYbYvvYOz
			-0-10-8 4-10-12	9-9-1	B 10		
			4-10-12	4-10-	12		
					2x4	5	Scale = 1:50.1
			9.00   12 4x4	3		5	
		10-4-2	2x4		⊠v4	1	
		3-0-0	1 B W2	W3		ż	
		* *	⊠ 9 8 3x8 =	10	7 ( 5x5	6 —	
				9-9-8		4	
LOADING (psf)           TCLL (roof)         20.0           Snow (Pf)         20.0           TCDL         10.0           BCU         0.0 *	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.25 1.25 YES	CSI. TC 0.87 BC 0.58 WB 0.37	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (ld -0.39 7 -0.62 7 -0.00	oc) I/defl L/d 7-8 >286 240 7-8 >181 180 7 n/a n/a	PLATES         GRIP           MT20         244/190
BCDL 10.0	Code IRC2018/TP	2014	Matrix-SH				Weight: 75 lb FT = 20%
LUMBER- TOP CHORD 2x4 SP No BOT CHORD 2x4 SP SS WEBS 2x4 SP No	.1 .3		0.4.0)	BRACING- TOP CHORD BOT CHORD WEBS	Structura end vert Rigid ce 1 Row a MiTek be inst Installa	al wood sheathing direct icals. iling directly applied or 1 t midpt 4-7 recommends that Stabili alled during truss erectic tion guide.	ly applied or 6-0-0 oc purlins, except 0-0-0 oc bracing. zers and required cross bracing on, in accordance with Stabilizer
Max Horz Max Uplift Max Grav	7-394/Mechanical, 8-439/0 8=267(LC 12) 7=-280(LC 12) 7=533(LC 20), 8=459(LC 3	)	0-1-0)				
FORCES.         (lb) - Max. Co           TOP CHORD         2-8=-291           WEBS         3-7=-306	mp./Max. Ten All forces 2 /250 /359, 3-8=-329/134	50 (lb) or le	ess except when shown.				
NOTES- (9-12) 1) Wind: ASCE 7-16; Vult (envelope) gable end z vertical left exposed;C- 2) TCLL: ASCE 7-16; Pr= Cat B; Partially Exp.; C	=135mph (3-second gust) ' cone and C-C Exterior(2E) - C for members and forces 20.0 psf (roof LL: Lum DOL e=1.0; Cs=1.00; Ct=1.10	/asd=107n 0-10-8 to 3 & MWFRS .=1.25 Plate	nph; TCDL=5.0psf; BCDL -11-2, Interior(1) 3-11-2 t for reactions shown; Lun e DOL=1.25); Pf=20.0 ps	_=5.0psf; h=23ft; ( o 4-9-11, Exterior nber DOL=1.60 pl if (Lum DOL=1.15	Cat. II; Exı (2E) 4-9-1 ate grip D Plate DO	p B; Enclosed; MWFRS 1 to 9-9-8 zone; end IOL=1.60 IL=1.15); ls=1.0; Rough	
<ul> <li>3) This truss has been de non-concurrent with otl</li> <li>4) This truss has been de 5) * This truss has been de</li> </ul>	signed for greater of min ro ner live loads. signed for a 10.0 psf bottor lesigned for a live load of 3	of live load n chord live 0.0psf on th	l of 12.0 psf or 2.00 times load nonconcurrent with ne bottom chord in all are	s flat roof load of 2 n any other live loa eas where a rectar	:0.0 psf or ads. ngle 3-6-0	n overhangs tall by 1-0-0 wide will fit	
<ul> <li>between the bottom ch</li> <li>6) Refer to girder(s) for tra</li> <li>7) Provide mechanical co</li> <li>8) This truss is designed</li> <li>standard ANSI/TPI 1.</li> <li>9) Graphical bracing roors</li> </ul>	ord and any other members uss to truss connections. nnection (by others) of trus in accordance with the 2018	s, with BCD s to bearing 3 Internatio	DL = 10.0pst. g plate capable of withsta nal Residential Code sec page of the orientation of the	inding 100 lb uplif ctions R502.11.1 a	t at joint(s and R802.	) except (jt=lb) 7=280. 10.2 and referenced	TH CARO
<ul> <li>b) Bearing symbols are a structural design of the</li> <li>11) Web bracing shown is</li> </ul>	raced. only graphical representatic e truss to support the loads s for lateral support of indivi	ne size, typ ns of a pos indicated. dual web n	ssible bearing condition. I nembers only. Refer to B	Bearing symbols a	are not co od Practic	nsidered in the	SEAL 28147
Installing, Restraining 12) SEE BCSI-B3 SUMM MINIMUM BRACING MINIMUM GUIDELIN	& Bracing of Metal Plate C ARY SHEET- PERMANEN REQUIREMENTS OF TOP ES, ALWAYS CONSULT T	onnected V T RESTRA CHORD, E HE PROJE	Nood Trusses for additio ING/BRACING OF CHOI BOTTOM CHORD, AND CT ARCHITECT OR EN	nal bracing guidel RDS & WEB MEN WEB PLANES. II GINEER FOR AD	ines, inclu IBERS F( N ADDITI( DITIONAI	uding diagonal bracing. DR RECOMMENDED ON TO THESE L BRACING	TAK K. MORREN
CUNSIDERATIONS.							9/28/2021
Varning !— Verify design vertically. Applicability of of individual web members	parameters and read notes be design parameters and proper in only. Additional temporary brac	efore use. The corporation corporation corporation construction construction of the second se	nis design is based only upon of component is responsibility e stability during construction	parameters shown, a of building designer is the responsibility	nd is for an - not truss of the erect	individual building compone designer or truss engineer. tor. Additional permanent bu	ent to be installed and loaded Bracing shown is for lateral support acing of the overall structure is the

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 1108 ANDERSON CREEK	TBD SCHOLAR DRIVE SPRING LAKE, NC
21-5763-R01	R17	Monopitch Girder	1	2	lah Deference (entional)	# 28669
			ID:fapDvyTD2v		8.430 s Feb 12 2021 MiTek Indust	tries, Inc. Thu Sep 30 14:15:28 2021 Page 1
		4-10-12	9-9-8			
		4-10-12	4-10-1	2 '		
				2x4		Scale = 1:60.6
		l		s P		
		9.00 12				
		3×	6 1/2			
			² T			
		2		_W5		
		10-1		×		
		3X6 //				
			WB WA			
		q W1		$\langle    $		
		⊠ 7 8 6 7 8	³ 5 ⁹ 10	11 4		
		2x4    LUS24	6x6 = LU	JS24 4x6 =	=	
		LU	S24 LUS24			
		4-10-12	9-9-8			
Plate Offsets (X,Y) [5:0	-3-0,0-4-0]	4-10-12	4-10-1	2		
LOADING (psf)	SPACING-	2-0-0 <b>CSI</b>	DEEL	in (l	ac) l/defl l/d	PLATES GRIP
TCLL (roof) 20.0 Snow (Pf) 20.0	Plate Grip DOL	1.25 TC 0.23	Vert(LL)	-0.02 4	4-5 >999 240	MT20 244/190
TCDL 10.0	Lumber DOL Rep Stress Incr	1.25 BC 0.52 NO WB 0.36	Vert(CT) Horz(CT)	-0.04 4	4-5 >999 180 4 n/a n/a	
BCLL 0.0 * BCDL 10.0	Code IRC2018/TP	I2014 Matrix-SH		0.00		Weight: 173 lb FT = 20%
LUMBER-			BRACING-			
TOP CHORD 2x4 SP No	0.2		TOP CHORD	Structur	al wood sheathing directly a	pplied or 6-0-0 oc purlins, except
WEBS 2x4 SP No	o.3		BOT CHORD	Rigid ce	iling directly applied or 10-0	)-0 oc bracing.
REACTIONS. (lb/size)	4=1653/Mechanical, 6=156	37/0-3-8 (min. 0-1-8)	WEBS	1 Row a	t midpt 3-4	
Max Hórz	6=239(LC 10)					
FORCES. (lb) - Max. Co	mp./Max. Ten All forces 2	250 (lb) or less except when shown.				
TOP CHORD 1-2=-112 BOT CHORD 6-7=-262	24/0, 1-6=-1200/0 2/164_7-8=-262/164_5-8=-2	262/164 5-9=0/840 9-10=0/840 10-	11=0/840 4-11=(	0/840		
WEBS 2-5=0/13	93, 2-4=-1378/0, 1-5=0/907	7				
NOTES- (11-14)						
1) 2-ply truss to be connected	ected together with 10d (0.1	31"x3") nails as follows:				
Bottom chords connect	ted as follows: 2x4 - 1 row at 0	staggered at 0-9-0 oc.				
Webs connected as fo 2) All loads are considered	llows: 2x4 - 1 row at 0-9-0 o ed equally applied to all plie	oc. s_except if noted as front (F) or bac	(B) face in the I	OAD CAS	SE(S) section Ply to ply	
connections have been	n provided to distribute only	loads noted as (F) or (B), unless oth	nerwise indicated			
(envelope) gable end 2	i=r35mpn (3-second gust) zone; end vertical left expos	sed; Lumber DOL=1.60 plate grip DC	DL=1.60	Cal. II; EX	p B; Enclosed; MVVFRS	
4) TCLL: ASCE 7-16; Pr=	20.0 psf (roof LL: Lum DOL	_=1.25 Plate DOL=1.25); Pf=20.0 ps	f (Lum DOL=1.15	5 Plate DC	0L=1.15); ls=1.0; Rough	
5) This truss has been de	esigned for a 10.0 psf bottor	m chord live load nonconcurrent with	any other live lo	ads.		
6) * This truss has been a between the bottom ch	designed for a live load of 3 lord and anv other members	0.0psf on the bottom chord in all are s. with BCDL = 10.0psf.	as where a recta	ngle 3-6-0	tall by 1-0-0 wide will fit	
7) Refer to girder(s) for tr	uss to truss connections.	9 International Desidential Code as	tions DE02 11 1	and DOOD	10.2 and referenced	AND
standard ANSI/TPI 1.	in accordance with the 201	o international Residential Code sec	10115 R502.11.1		. 10.2 and referenced	ATH CAROLINI
9) Use Simpson Strong-T	ie LUS24 (4-10d Girder, 2-	10d Truss, Single Ply Girder) or equ	ivalent spaced at	2-0-0 oc i	max. starting at 2-0-12	ROFESSION & THE
10) Fill all nail holes when	re hanger is in contact with	lumber.				SFAL
11) Graphical bracing rep that the member mus	presentation does not depic t be braced.	t the size, type or the orientation of t	he brace on the n	nember. S	ymbol only indicates	28147
12) Bearing symbols are	only graphical representation	ons of a possible bearing condition. I	Bearing symbols	are not co	nsidered in the	
13) Web bracing shown i	s for lateral support of indiv	idual web members only. Refer to B	CSI - Guide to Go	ood Practio	ce for Handling,	NOINEER S
Installing, Restraining 14) SEE BCSI-B3 SUMM	& Bracing of Metal Plate C	Connected Wood Trusses for addition	nal bracing guide	lines, inclu MBERS F	Iding diagonal bracing.	A K. MORMUN
MINIMUM BRACING	REQUIREMENTS OF TOP	CHORD, BOTTOM CHORD, AND	WEB PLANES. I	IN ADDITI	ON TO THESE	and the manufacture of the second sec
CONSIDERATIONS.	ES, ALWAYS CONSULT I	TE PROJECT ARCHITECT OR EN	GINEER FOR AL	UUUNA		9/28/2021
Continuing on period	parameters and read notes b	efore use. This design is based only upon	parameters shown, a	and is for an $r = not$ trues	individual building component t	to be installed and loaded
of individual web members	only. Additional temporary bra	cing to ensure stability during construction	is the responsibility	of the erec	tor. Additional permanent braci	ng of the overall structure is the
responsibility of the buildin	g designer. For general guidanc	e regarding fabrication, quality control, sto	orage, delivery, erect	tion and bra	cing, consult ANSI/TPI 1 Nation	nal Design Standard for Metal
Plate Connected Wood Tru	ss construction and BCSI 1-03	Guide to Gooa Practice for Handling, In.	sialling & Bracing a	у metal Pla	ie Connected Wood Trusses fro	in rruss Plate Institute, 585

D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 1108 ANDERSON CREEK   TBD SC	HOLAR DRIVE SPRING LAKE, NC
21-5763-R01	R17	Monopitch Girder	1	2	Job Reference (optional)	# 28669
						TI 0 00 44 45 00 0004 D

8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Sep 30 14:15:28 2021 Page 2 ID:fqpPyxTP?wQMKHgHJPbYd8y4RP1-2YximkpjWcFSVjimFMAk7Wi_c8o9RyNykXHE3LyYQyz

## LOAD CASE(S) Standard

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

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

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





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

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

NOTES-(16-19)

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-10-8 to 3-11-2, Exterior(2N) 3-11-2 to 16-8-8, Corner(3R) 16-8-8 to 16-11-8, Corner(3E) 16-11-8 to 17-5-4 zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry
- Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- 6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs
- non-concurrent with other live loads.
- 7) All plates are MT20 plates unless otherwise indicated.
- All plates are 2x4 MT20 unless otherwise indicated.
- 9) Gable requires continuous bottom chord bearing.
- 10) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 11) Gable studs spaced at 2-0-0 oc.
- 12) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

13) * 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.

- 14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15, 21, 22, 23, 24, 20 19, 17, 16 except (jt=lb) 25=222.
- 15) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Job	Truss	Truss Type	Qty	Ply	LOT 1108 ANDERSON CREEK   TBD SCH	IOLAR DRIVE SPRING LAKE, NC
21-5763-R01	R18	Roof Special Supported Gable	1	1	Job Reference (optional)	# 28669
					8 430 s Eeb 12 2021 MiTek Industries Inc.	Thu Sep 30 14:15:30 2021 Page 2

ID:fqpPyxTP?wQMKHgHJPbYd8y4RP1-_x3SBQq_2DW9I1s8MnDCCxoJZxYSvwbFCrmL8EyYQyx

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.

 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

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





Job	Truss	Truss Type	Qty	Ply	LOT 1108 ANDERSON CREEK   TBD SCH	HOLAR DRIVE SPRING LAKE, NC
21-5763-R01	R19	Roof Special	4	1	Job Reference (optional)	# 28669
					8 430 s Feb 12 2021 MiTek Industries Inc.	Thu Sep 30 14:15:31 2021 Page 2

ID:fqpPyxTP?wQMKHgHJPbYd8y4RP1-S7dqPmrcoXe0MARKwUkRl9KRfLmWeBROQVWuggyYQyw

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

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

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 1108 ANDERSON CREEK   TBD SCH	HOLAR DRIVE SPRING LAKE, NC
21-5763-R01	VT01	GABLE	1	1	Job Reference (optional)	# 28669
					8 430 s Eeb 12 2021 MiTek Industries Inc.	Thu Sen 30 14:15:33 2021 Page 2

ID:fqpPyxTP?wQMKHgHJPbYd8y4RP1-PWlbqStsK8ukcUbj2vmvqaQrx9az6FJhup??kZyYQyu

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

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

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

LOAD CASE(S) Standard





Job	Truss	Truss Type	Qty	Ply	LOT 1108 ANDERSON CREEK   TBD SCH	HOLAR DRIVE SPRING LAKE, NC
21-5763-R01	VT02	Valley	1	1	Job Reference (optional)	# 28669
					8 430 s Eeb 12 2021 MiTek Industries Inc.	Thu Sep 30 14:15:33 2021 Page 2

ID:fqpPyxTP?wQMKHgHJPbYd8y4RP1-PWlbqStsK8ukcUbj2vmvqaQrm9YR6Fahup??kZyYQyu

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

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

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 1108 ANDERSON CREEK   TBD SCH	HOLAR DRIVE SPRING LAKE, NC
21-5763-R01	VT07	Valley	1	1	Job Reference (optional)	# 28669
					8 430 s Eeb 12 2021 MiTek Industries Inc.	Thu Sep 30 14:15:30 2021 Page 2

ID:fqpPyxTP?wQMKHgHJPbYd8y4RP1-Dg6s4Vxdw_euKP2tOAtJ3rfswZbcW_uZGISKyDyYQyo

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

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





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	Qtv	Plv	LOT 1108 ANDERSON CREE	
21-5763-R01	VT12	Valley	1	1		# 28660
					Job Reference (optional) 8.430 s Feb 12 2021 MiTek In	idustries, Inc. Thu Sep 30 14:15:41 2021 Page 1
		8	ID:tqpPyxTP?w -8-0	/QMKHgHJ	PbYd8y4RP1-A2EcVBztS —⊣	cubZjCFVbvn9GlCbNG?_ulsj2xQ05yYQym
		· 8	-8-0	2x4	3	Scale = 1:39.2
		9.00 12 2x4	II 2T1 ST1		W	
				~~~~~		
		2x4 🛷	5 6		42x4	
		1	2x4			
LOADING (psf) TCLL (roof) 20.0 Snow (Pf) 20.0 TCDL 10.0 BCLL 0.0 *	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 CSI. 1.25 TC 0.27 1.25 BC 0.40 YES WB 0.09	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (lo n/a n/a 0.00	c) l/defl L/d - n/a 999 - n/a 999 n/a n/a	PLATES GRIP MT20 244/190
BCDL 10.0		12014 Maurix-P				weight: 41 lb $FT = 20\%$
TOP CHORD 2x4 SP No BOT CHORD 2x4 SP No WEBS 2x4 SP No OTHERS 2x4 SP No REACTIONS. (Ib/size)	0.2 0.3 0.3 0.3 1=130/8-8-0 (min. 0-1-8), 4	4=112/8-8-0 (min. 0-1-8), 5=404/8-8-	BRACING- TOP CHORD BOT CHORD 0 (min. 0-1-8)	Structura end verti Rigid cei MiTek r be insta Installa	l wood sheathing direct cals. ling directly applied or 1 ecommends that Stabili lled during truss erectio ion guide.	ly applied or 6-0-0 oc purlins, except 0-0-0 oc bracing. izers and required cross bracing on, in accordance with Stabilizer
Max Horz Max Uplifi Max Grav	1=234(LC 12) 4=-56(LC 12), 5=-204(LC 1 1=147(LC 21), 4=194(LC 1	2) 9), 5=505(LC 19)				
FORCES. (Ib) - Max. Co TOP CHORD 1-2=-286 WEBS 2-5=-335	mp./Max. Ten All forces 2 5/161 5/313	250 (lb) or less except when shown.				
 NOTES- (8-11) 1) Wind: ASCE 7-16; Vul (envelope) gable end z shown; Lumber DOL=' 2) TCLL: ASCE 7-16; Pr- Cat B; Partially Exp.; O 3) Gable requires continu. 4) This truss has been de 5) * This truss has been de 5) * This truss has been de 5) * This truss is designed standard ANSI/TPI 1. 8) Graphical bracing repr the member must be b 9) Bearing symbols are of design of the truss to so design of the truss to so 10) Web bracing shown i Installing, Restraining 11) SEE BCSI-B3 SUMW MINIMUM BRACING MINIMUM GUIDELIN CONSIDERATIONS. 	t=135mph (3-second gust) cone and C-C Exterior(2E) a 1.60 plate grip DOL=1.60 :20.0 psf (roof LL: Lum DOI ce=1.0; Cs=1.00; Ct=1.10 ious bottom chord bearing. esigned for a 10.0 psf botton designed for a live load of 3 iord and any other members onnection (by others) of trus in accordance with the 201 esentation does not depict raced. nly graphical representation support the loads indicated. s for lateral support of indiv g & Bracing of Metal Plate C IARY SHEET- PERMANEN REQUIREMENTS OF TOF ES, ALWAYS CONSULT T	Vasd=107mph; TCDL=5.0psf; BCDL: zone; end vertical left exposed;C-C for _=1.25 Plate DOL=1.25); Pf=20.0 psf m chord live load nonconcurrent with 0.0psf on the bottom chord in all areas s, with BCDL = 10.0psf. s to bearing plate capable of withstar 8 International Residential Code sect the size, type or the orientation of the ns of a possible bearing condition. Be idual web members only. Refer to BC connected Wood Trusses for addition T RESTRAING/BRACING OF CHOR C CHORD, BOTTOM CHORD, AND V THE PROJECT ARCHITECT OR ENC	=5.0psf; h=23ft; (or members and f (Lum DOL=1.15 any other live loa as where a rectar hding 100 lb uplif ions R502.11.1 a brace on the me earing symbols ar CSI - Guide to Go al bracing guidel CDS & WEB MEN VEB PLANES. II GINEER FOR AD	Cat. II; Exp forces & M Plate DOI ads. ngle 3-6-0 t at joint(s) and R802. ² ember. Syr re not cons od Practic ines, inclu MBERS FC N ADDITIC DITIONAL	B; Enclosed; MWFRS WFRS for reactions =1.15); Is=1.0; Rough tall by 1-0-0 wide will fit 4 except (jt=lb) 5=204. 10.2 and referenced nbol only indicates that idered in the structural e for Handling, ding diagonal bracing. R RECOMMENDED NTO THESE BRACING	SEAL 28147
LOAD CASE(S) Standard	b					Min K. MORIMUM

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.

9/28/2021

Job	Truss	Truss Type	Qtv	Ply LOT 1108 ANDERSON CREE	K I TBD SCHOLAR DRIVE SPRING LAKE, NC				
21-5763-R01	VT13	Valley	1		# 28669				
		,		Job Reference (optional) 8.430 s Feb 12 2021 MiTek Ind	dustries. Inc. Thu Sep 30 14:15:41 2021 Page 1				
			ID:fqpPyxTP?\ 6-8-0	vQMKHgHJPbYd8y4RP1-A2EcVBztS	cubZjCFVbvn9GlEwNJ9_utsj2xQ05yYQym				
			6-8-0						
					Scale = 1:30.1				
		т		2x4 3					
				P					
		9.00 12	- /						
		0	TI	W1					
		\$T1							
			B1	<u>1</u>					
			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	XXXXXX					
		2x4 1/2 2x4		4					
		2X4		2X4					
			1						
TCLL (roof) 20.0	SPACING-	2-0-0 <b>CSI</b> .	DEFL.	in (loc) l/defl L/d	PLATES GRIP				
Snow (Pf) 20.0 TCDI 10.0	Lumber DOL	1.25 BC 0.20	Vert(CT)	n/a - n/a 999	W120 244/190				
BCLL 0.0 *	Rep Stress Incr Code IRC2018/TF	YES WB 0.09 PI2014 Matrix-P	Horz(CT)	0.00 n/a n/a	Weight: 30 lb FT = 20%				
BCDL 10.0			BRACING-						
TOP CHORD 2x4 SP N	lo.2		TOP CHORD	Structural wood sheathing directl	y applied or 6-0-0 oc purlins, except				
WEBS 2x4 SP N	10.3 10.3		BOT CHORD	end verticals. Rigid ceiling directly applied or 1	0-0-0 oc bracing.				
OTHERS 2x4 SP N	lo.3			MiTek recommends that Stabili	zers and required cross bracing				
				Installation guide.					
REACTIONS. (lb/size) Max Hor	1=39/6-8-0 (min. 0-1-8), 4 z 1=176(LC 12)	4=125/6-8-0 (min. 0-1-8), 5=322/6-8	-0 (min. 0-1-8)						
Max Upl Max Gra	ift1=-17(LC 10), 4=-63(LC 1)	2), 5=-162(LC 12) 19) 5=348(LC 19)							
TOP CHORD 1-2=-27	omp./Max. Ten All forces	250 (Ib) or less except when shown.							
WEBS 2-5=-26	67/288								
<b>NOTES-</b> (8-11)	ult=125mph (2 accord quat)	Vood-107mph, TCDI =5 Opof: BCD	1 = E Opof: b=22ft;	Cot. III. Eve B. Englagod: MMERS					
(envelope) gable end	I zone and C-C Exterior(2E)	zone; end vertical left exposed;C-C	for members and	forces & MWFRS for reactions					
shown; Lumber DOL=1.60 plate grip DOL=1.60 2) TCLL: ASCE 7-16: Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25): Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15): ls=1.0: Rough									
Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10									
<ul> <li>4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.</li> </ul>									
5) Inis truss has been designed for a live load of 30.0pst 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.									
<ol> <li>Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 4 except (jt=lb)</li> <li>5=162</li> </ol>									
7) This truss is designe	d in accordance with the 20 ⁴	18 International Residential Code se	ctions R502.11.1 a	and R802.10.2 and referenced	WINNING CARCOLL				
8) Graphical bracing rep	presentation does not depict	t the size, type or the orientation of th	ne brace on the me	ember. Symbol only indicates that	SEESSIG Not				
the member must be 9) Bearing symbols are	braced. only graphical representatio	ons of a possible bearing condition. E	Bearing symbols a	re not considered in the structural	2R- Nation				
design of the truss to	support the loads indicated	l. vidual web members only. Refer to F	SCSL- Guide to Go	od Practice for Handling	SEAL				
Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing. 28147									
11) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE									
MINIMUM GUIDELI	NES, ALWAYS CONSULT	THE PROJECT ARCHITECT OR EN	NGINEER FOR AD	DITIONAL BRACING	ARK CARSONNE				
					Manager Mannan				
LUAD CASE(S) Standa	iiu				9/28/2021				

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.



LUMBER-TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.3

WFBS 2x4 SP No.3 BRACING-TOP CHORD BOT CHORD

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

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

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

K. MORP minin 9/28/2021

REACTIONS. (lb/size) 1=163/4-8-0 (min. 0-1-8), 3=163/4-8-0 (min. 0-1-8) Max Horz 1=118(LC 12) Max Uplift3=-82(LC 12) Max Grav 1=163(LC 1), 3=176(LC 19)

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

NOTES-

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

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.