Job	Truss	Truss Type	Qty	Ply	
Dale 05-23-107	A01	Piggyback Base Supported Gable	1	1	Job Reference (optional)

Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Thu Jun 01 13:41:57

Page: 1 ID:oL7GzqFm3k7ZeF09uiPUZozAh0B-uyf3bvP4nRshZZn6P2o4E8oF39y24iJ7cKRTZHzAeuQ

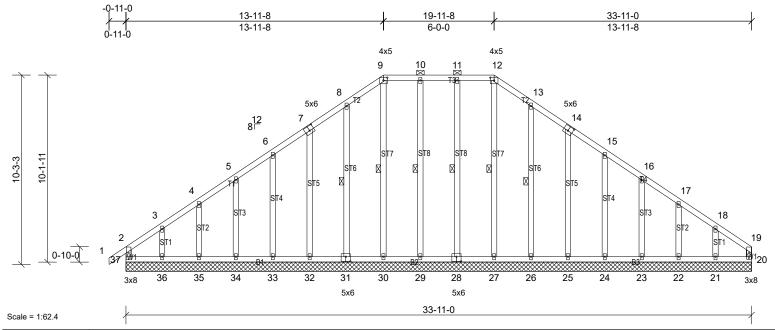


Plate Offsets (X, Y): [7:0-3-0,0-3-0], [9:0-2-8,0-1-13], [12:0-2-8,0-1-13], [14:0-3-0,0-3-0], [20:0-1-11,0-0-4], [28:0-3-0,0-3-0], [31:0-3-0,0-3-0]

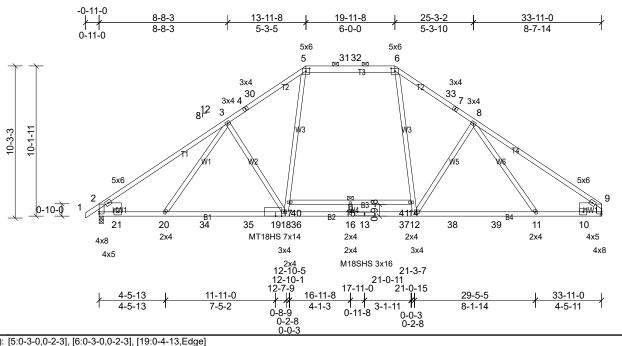
						•			•		-	
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	тс	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00	20	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS			_				Weight: 257 lb	FT = 20%
	2x4 SP No.2 2x4 SP No.2 2x4 SP No.2 Structural wood she except end verticals (6-0-0 max.): 9-12. Rigid ceiling directly 1 Row at midpt All bearings 33-11-0.	12-27, 11-28, 10-29, 9- 8-31, 13-26	 Truss to be the braced again Gable studs This truss has chord live lo This truss is not be the botton 3-06-00 tall chord and and and the bearing plate (s) 37, 20, 2 22, 21. 	es continuous bol fully sheathed from 1st lateral movem spaced at 2-0-0 c as been designed ad nonconcurrent 1as been designe m chord in all area by 2-00-00 wide w hy other members chanical connectio a capable of withs 8, 29, 31, 32, 33, 3 designed in accord	n one fac ent (i.e. c for a 10. with any d for a liv as where rill fit betw a. n (by oth tanding 34, 35, 3	e or securely liagonal web 0 psf bottom other live loa re load of 20. a rectangle ween the bott lives) of truss 100 lb uplift a 6, 26, 25, 24,). ads. Opsf com to t joint					
	20, 21, 2: 31, 32, 33 Max Grav All reactio (s) 20, 21 28, 29, 30 37	100 (lb) or less at joint(s 2, 23, 24, 25, 26, 28, 29 3, 34, 35, 36, 37 ons 250 (lb) or less at jo 1, 22, 23, 24, 25, 26, 27, 0, 31, 32, 33, 34, 35, 36 flax. Ten All forces 250) International R802.10.2 a 13) This truss de structural we chord and 1. the bottom o 14) Graphical pu	Residential Code nd referenced sta esign requires that ood sheathing be a 2" gypsum sheetr	e sections ndard AN t a minim applied d ock be a n does n	s R502.11.1 a NSI/TPI 1. irectly to the pplied directly ot depict the	top y to					
FURGES	(lb) or less except w		bottom chore	d.	5							
TOP CHORD	8-9=-170/261, 12-1	3=-171/261	LOAD CASE(S)	Standard								
NOTES												
,	ed root live loads have	e been considered for th	lis									
Vasd=99m B=45ft; L= Enclosed; -0-11-0 to 2 (3R) 13-11 Corner(3R 33-9-4 zon vertical left forces & M	2-5-11, Exterior(2N) -8 to 17-4-3, Exterior 19-11-8 to 23-4-3, E he; cantilever left and t and right exposed;C IWFRS for reactions	CDL=6.0psf; h=28ft; .00; Cat. II; Exp B;) and C-C Corner(3E) 2-5-11 to 13-11-8, Corner (2N) 17-4-3 to 19-11-8, Exterior(2N) 23-4-3 to right exposed ; end C-C for members and shown; Lumber	Pr									
 Truss designed only. For see Standa 	studs exposed to wine ard Industry Gable E	in the plane of the truss d (normal to the face), nd Details as applicable signer as per ANSI/TPI 1	,									

- or consult qualified building designer as per ANSI/TPI 1.
 4) Provide adequate drainage to prevent water ponding.
 5) All plates are 2x4 MT20 unless otherwise indicated.



Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Thu Jun 01 13:41:58 Page: 1

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Scale = 1:77.8

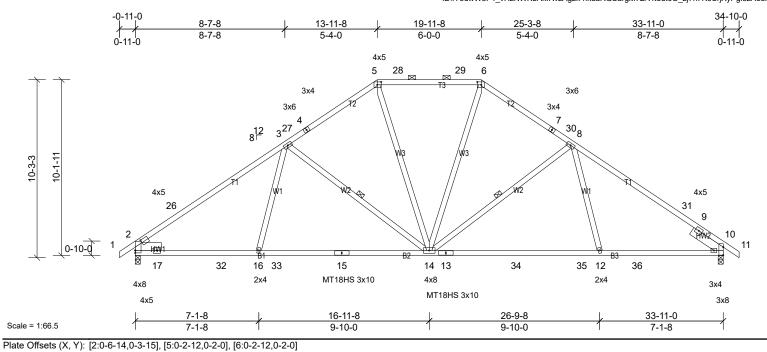
Plate Offsets (X, Y): [5:0-3-0,0-2-3], [6:0-3-0,0-2-3], [19:0-4-13,Edge]

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	IRC201	2-0-0 1.00 1.15 YES 18/TPI2014	CSI TC BC WB Matrix-AS	0.67 0.83 0.46	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.41 -0.55 0.09	(loc) 18-20 16 9	l/defl >990 >743 n/a	L/d 240 180 n/a	PLATES MT20 MT18HS M18SHS Weight: 210 lb	GRIP 244/190 244/190 244/190 FT = 20%
FORCES TOP CHORD BOT CHORD WEBS NOTES	1-6-0 Structural wood she except 2-0-0 oc purlins (5-4 Rigid ceiling directly 6-0-0 oc bracing: 14 (lb/size) 2=1497/0 9=1441/1 Max Horiz 2=192 (Lt Max Uplift 2=-59 (LC Max Grav 2=1842 (I (lb) - Max. Comp./M (lb) or less except w 2-3=-2536/76, 3-4=: 4-30=-2136/113, 5-5 5-31=-1622/147, 31 6-32=-1622/147, 31 6-32=-1622/147, 6-1 7-33=-2136/113, 7-5 8-9=-2538/80 2-21=-289/1120, 20 20-34=0/2036, 18-3 13-16=0/1694, 13-3 12-38=0/1904, 38-3 10-11=0/1885, 9-10 17-18=-16/832, 5-1 ⁻¹ 12-14=-16/833, 3-14 8-12=-438/179	bt* B1:2x4 SP No.1, 1-6-0, Right 2x8 SP No. bathing directly applied, 6-14 max.): 5-6. / applied. Except: 4-17 -3-8, (min. 0-2-3), Mechanical, (min. 0-1-8) C 11) C 12), 9=-30 (LC 12) LC 17), 9=1791 (LC 18) lax. Ten All forces 250 /hen shown. -2188/108, 30=-2094/140, -32=-1622/147, 33=-2094/140, 33=-2189/108, -21=0/2119, 5=0/2036, 19-35=0/2036 6=0/1694, 16-36=0/1694 7=0/1694, 12-37=0/1694 9=0/1904, 11-39=0/1904 =-301/1001 7=0/956, 6-14=0/958,	2 (1 3) 4) / 5) - 6) - 6) - 7) 8) 10) - 5 6, - 4, - 11) - 5 6, - 4, - 4, - 4, - 4, - 4, - 4, - 4, - 4	Vasd=99mpl B=45ft; L=33 Enclosed; M -0-11-0 to 2- (2R) 13-11-8 Exterior(2R) 33-11-0 zonu- (2R) 13-11-8 Exterior(2R) 33-11-0 zonu- vertical left a forces & MW DOL=1.60 p Provide ade: All plates are This truss has chord live lo. * This truss lo con the botton 3-06-00 tall i chord and an exter to gird Provide mecto bearing plate 2 and 30 lb u This truss de structural wo chord and an This truss de structural wo chord and an the bottom c Graphical pu	Irlin representation ation of the purlin a d.	CDL=6. .00; Cat)) and C .5-11 to .5-11 to .5-11 to (1) 17/ Interior dright e C-C for r shown;) prevent ess othe for a 10. with any t for a 110. with any t for a 110. with any t for a 110. dance w section: n dance w a minim pplied d pock be a	Dipsf; h=28ft; . II; Exp B; .C Exterior(2; .A Exter	2E) terior -8, o dd dd ng. ted. b bads. 0.0psf ttom sf. s to t joint s and e top tly to e size					

design.

Job	Truss	Truss Type	Qty	Ply	
Dale 05-23-107	A03	Piggyback Base	5	1	Job Reference (optional)

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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.97	Vert(LL)	-0.31	14-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.88	Vert(CT)	-0.54	14-16	>757	180	MT18HS	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.09	10	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS							Weight: 200 lb	FT = 20%

	10=1412/0-3-8, (min. 0-1-15) Max Horiz 2=195 (LC 11)	 Wind: ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=28ft; B=45ft; L=34ft; eave=4ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -0-11-0 to 2-5-11, Interior (1) 2-5-11 to 13-11-8, Exterior (2R) 13-11-8 to 18-9-1, Interior (1) 18-9-1 to 19-11-8, Exterior(2R) 19-11-8 to 24-9-1, Interior (1) 24-9-1 to 34-10-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 Provide adequate drainage to prevent water ponding. All plates are MT20 plates unless otherwise indicated. 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 20.0psf
	Max Holiz 2=133 (LC 17) Max Uplift 2=-109 (LC 12), 10=-109 (LC 12) Max Grav 2=1627 (LC 17), 10=1627 (LC 18)	on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom
FORCES	(lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. 2-26=-2191/103, 3-26=-2062/144,	 chord and any other members, with BCDL = 10.0psf. 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 109 lb uplift at join
	3-27=-1520/159, 4-27=-1506/163, 4-5=-1440/195, 5-28=-1356/193, 28-29=-1356/193, 6-29=-1356/193,	 2 and 109 lb uplift at joint 10. 8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and Description 10.2 and 10.
	6-7=-1452/195, 7-30=-1505/163, 8-30=-1519/159, 8-31=-2091/145, 9-31=-2177/104, 9-10=-431/0	 R802.10.2 and referenced standard ANSI/TPI 1. 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top should end 10" more the applied be applied directly to the top.
BOT CHORD	2-17=-288/919, 17-32=0/1834, 16-32=0/1834, 16-33=-7/1750, 15-33=-7/1750, 14-15=-7/1750, 13-14=-7/1609, 13-34=-7/1609, 34-35=-7/1609,	chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
WEBS	12-35=-7/1609, 12-36=0/1695, 10-36=0/1695 5-14=-20/567, 6-14=-21/560, 8-14=-601/144, 8-12=0/421, 3-14=-604/143, 3-16=0/402	LOAD CASE(S) Standard
NOTES		
 Unbalance 	d roof live loads have been considered for this	

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

Job	Truss	Truss Type	Qty	Ply	
Dale 05-23-107	A04	Piggyback Base	1	1	Job Reference (optional)

Carolina Structural Systems, Star, NC 27356, Jeremy Phillips Run: 8.62 S Oct 13 2022 Pt

Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Thu Jun 01 13:42:00 Page: 1 ID:CFXYWQaVoBtncUV?boi/MRizAawG-FwSvecSCczU aKf4CcOFxBVuZATilnWsmc9EEVzAeuL

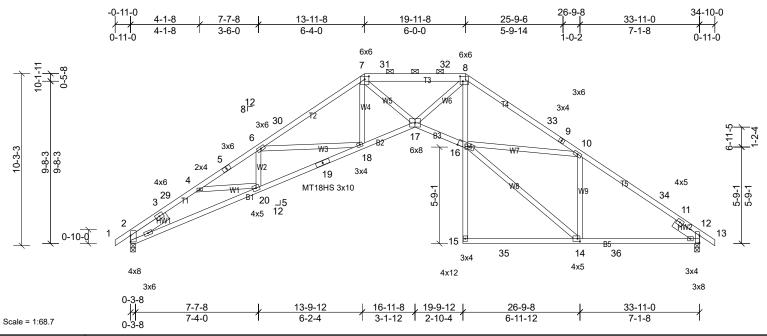


Plate Offsets (X, Y): [7:0-3-0,0-2-3], [8:0-2-0,0-3-8], [14:0-1-12,0-2-0], [16:0-7-4,0-1-12]

			1										1	
Loading		(psf)	Spacing		2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)		20.0	Plate Grip DOL		1.00	тс	0.99	Vert(LL)	-0.38	18-20	>999	240	MT20	244/190
TCDL		10.0	Lumber DOL		1.15	BC	0.87	Vert(CT)	-0.71	18-20	>572	180	MT18HS	244/190
BCLL		0.0*	Rep Stress Incr		YES	WB	0.88	Horz(CT)	0.69	12	n/a	n/a		
BCDL		10.0	Code	IRC20	018/TPI2014	Matrix-AS		(-)				-	Weight: 210 lb	FT = 20%
LUMBER			•	2)	Wind: ASCE	7-16; Vult=125	mph (3-sec	ond aust)						•
TOP CHORD	2x4 SP N		pt* T3:2x6 SP No.2,	_,		h; TCDL=6.0psf								
		4 SP No.1	pt 10.2x0 01 110.2,			4ft; eave=4ft; Ke								
BOT CHORD	,		pt* B3,B5:2x4 SP No.2,			WFRS (direction			E)					
	B4:2x4 S		-,,,		-0-11-0 to 2-5-11, Interior (1) 2-5-11 to 13-11-8, Exterior									
VEBS	2x4 SP N	No.3				8 to 18-9-1, Inter								
BLIDER	Left 2x6	SP No.2	2-7-11, Right 2x6 SP			19-11-8 to 24-9								
	No.2 1	-9-6				e; cantilever left								
BRACING						and right expose			d					
TOP CHORD	Structura	al wood she	eathing directly applied,			FRS for reactio		Lumber						
	except					late grip DOL=1								
	2-0-0 oc	purlins (3-	4-8 max.): 7-8.	3)		quate drainage								
BOT CHORD	Rigid ce	iling directly	y applied.	4)		e MT20 plates u								
	- (lh/size)	2-1412/0	$2.0 \ (min \ 0.1.10)$	5)		as been designe								
REACTIONS	(ID/SIZE)		1-3-8, (min. 0-1-10), /0-3-8, (min. 0-1-14)	6)		ad nonconcurre has been desigr								
	Max Horiz	2=195 (L		0)		m chord in all ar								
			_C 12), 12=-109 (LC 12)	`		by 2-00-00 wide		0						
			LC 17), 12=1586 (LC 18			ny other membe								
				΄ ¬ \		pint(s) 2 conside								
ORCES			lax. Ten All forces 250	, .,		TPI 1 angle to g			-					
OP CHORD			/hen shown.			ould verify capad								
OF CHURD	2-3=-110	65/0, 3-29=-	4029/100,	0)					4-					

designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 109 lb uplift at joint 12 and 109 lb uplift at joint 2.

 This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

 Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

NOTES

WEBS

BOT CHORD

Unbalanced roof live loads have been considered for this design.

4-29=-4012/196, 4-5=-4464/142,

5-6=-4412/160, 6-30=-3890/33,

7-30=-3797/71, 7-31=-4507/4,

31-32=-4508/4, 8-32=-4508/4,

8-33=-3807/72, 9-33=-3843/40,

9-10=-3899/32, 10-34=-2078/153,

11-34=-2113/122, 11-12=-535/0

2-20=-94/3557, 19-20=-11/4165,

8-16=-16/590, 14-36=-14/1657,

14-16=-24/2142, 10-16=0/1594,

12-36=-14/1657

18-19=0/4212, 17-18=0/3487, 16-17=0/3471,

10-14=-1137/96, 8-17=0/1845, 7-17=0/1876,

7-18=-17/499, 6-18=-600/189, 4-20=0/585

Job	Truss	Truss Type	Qty	Ply	
Dale 05-23-107	A05	Piggyback Base	1	1	Job Reference (optional)

Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Thu Jun 01 13:42:01 Page: 1 ID:gKswmypJ0TfTQfP_AdakbOzAgpr-j60KsyTrNHcrHUEGmJvUTP23Jap5UEm?_GunmxzAeuK

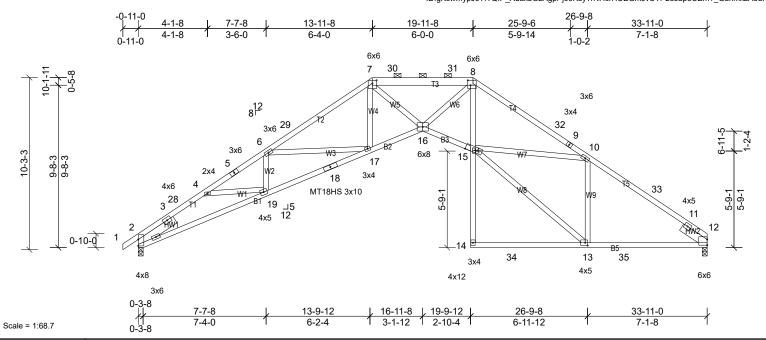


Plate Offsets (X, Y): [7:0-3-0,0-2-3], [8:0-2-0,0-3-8], [13:0-1-12,0-2-0], [15:0-7-4,0-1-12]

TCDL 10.0 Lumber DOL 1.15 BC 0.86 Ver(CT) 0.0.1 17.12 × 572 180 M1718HS 244/190 BCDL 10.0 Code IRC2018/TPI2014 WB 0.88 Horz(CT) 0.69 12 n/a WB Weight: 208 lb FT = 20% LUMBER 2x4 SP No.1 TS:2x6 SP No.2, TAT1:2x4 SP No.1 Except TS:2x6 SP No.2, TAT1:2x4 SP No.3 Saccond gust) Vad=59mph; TS:DL=6.0psf; BCDL=6.0psf; BCDL=6 Saccond gust) Vad=59mph; TS:DL=6.0psf; BCDL=6 Saccond gust) Vad=59mph; TS:DL=6.0psf; BCDL=7 Saccond gust) Saccond gust) Vad=59mph; TS:DL=6.0psf; BCDL=7 Saccond gust) Saccond gust (Tatagust APS) Saccond gust (Tatagus	RIP 14/190	MT20	240		(loc) 17-19		DEFL Vert(LL)	0.99	CSI TC	2-0-0 1.00		Spacing Plate Grip DOL	(psf) 20.0		Loading TCLL (roof)
SCDL 10.0 Code IRC2018/TFI2014 Matrix-AS Weight: 208 lb FT = 20% JUMBER TOP CHORD 2X4 SP No.2 "Except" T3:2x6 SP No.2, TAT.12x4 SP No.1 2/4 SP No.2 "Except" T3:2x6 SP No.2, TAT.12x4 SP No.1 10.0 Code 10.0 Code FT = 20% JUMBER TOP CHORD 2X4 SP No.1 2/4 SP No.1 TS:2x6 SP No.2, TAT.12x4 SP No.3 2/ Wind: ASCE 7-16; Vult=125mph (3-second gust) Vad=99mph; TDL=6 Opst, BDDL=6,0pst, BD	4/190	MT18HS					. ,								
COP CHORD TAT:1244 SP No.22x4 SP No.2Vasd=99mph; TCDL=6.0psf; bc2L=6.0psf; bc2Bf; Cat. II: Exp B; Cat. II: Exp B; 	rī = 20%	Weight: 208 lb		n/a	12	0.69	Horz(CT)	0.88			IRC20				
T4,T1:2x4 SP No.1B=45ft: [=34ft; eave=4ft; K=1.00; Cat. II; Exp B;300 C HORD2x4 SP No.3B=45ft: [=34ft; eave=4ft; K=1.00; Cat. II; Exp B;300 C HORD2x4 SP No.3(2R) 13-11-8 to 18-9-11 to 13-11-8, ExteriorWEBS2x4 SP No.3(2R) 13-11-8 to 18-9-11 to 13-11-8, ExteriorSUDERLeft 2x6 SP No.2 - 2-7.11, Right 2x6 SP(2R) 13-11-8 to 18-9-11 to 13-11-8, ExteriorNo.2 - 1.9-6Structural wood sheathing directly applied.(2R) 13-11-8 to 18-9-11, Interior (1) 12-9-11 to 13-11-8, ExteriorCOP CHORDStructural wood sheathing directly applied.(2R) 13-11-8 to 18-9-11, Interior (1) 24-9-1, Interior (1) 24-9-1, Interior (1) 24-9-1 to 13-11-8, Exterior301 C HORDStructural wood sheathing directly applied.(2R) 13-11-8 to 18-9-11, Interior (1) 24-9-1, Interior (1) 24-9, In											2)	•			UMBER
BOT CHORD2xX SP No.1 *Except* B3,B5:2x4 SP No.2, B4:2x4 SP No.3Enclose: MWFRS (directional) and C-C Exterior(2E) -0-11-0 to 2-5-11, Interior (1) 24-5-11 to 15-9-1, Interior (1) 124-9-1 to 15-11-8, Exterior(2R) 19-11-8 to 24-9-1, Interior (1) 124-9-1 to (2R) 13-11-8 to 18-9-1, Interior (1) 124-9-1 to (2R) 13-11-8 to 18-9-1, Interior (1) 124-9-1 to to 19-11-8 to 24-9-1, Interior (1) 124-9-1 to (2R) 13-11-8 to 18-9-1, Interior (1) 124-9-1 to (2R) 13-11-9 to 124-9-1, Interior (1) 124-9-1 to (2R) 14-124-9-1, Interior (1) 124-9-1 to (2R) 14-124-9-1, Interior (1) 124-9-1 to (2R) 14-124-9-1, Interior (1) 124-9-1, Interior												pt* T3:2x6 SP No.2,			FOP CHORD
WEBS SLIDER2x4 SP No.3 Left 2x6 SP No.2 - 2.7-11, Right 2x6 SP No.2 - 1.9-6(2R) 13-11-8 to 18-9-1 to 19-11-8, to 18-9-11 ab to 24-9-1, Interior (1) 18-9-1 to 19-11-8, to 10-11-8, to 19-11-8, to 10-11-8, to 10-11-8, to 18-11-2, to 19-11-8, to 19-11-							C Exterior(2)	onal) and C-	WFRS (direct	Enclosed; M		pt* B3,B5:2x4 SP No.2,	No.1 *Excep	2x4 SP N	BOT CHORD
SLIDERLeft 2x6 SP No. 2 - 2-7-11, Right 2x6 SP No. 2 - 1-9-6Exterior(ZR) 19-11-8 to 24-9-1, Interior (1) 24-9-1 to 33-11-0 zone; cantilever left and right exposed; C- C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60SRACING exceptStructural wood sheathing directly applied.Exterior(ZR) 19-11-802-0-0 cor purlins (3-4-7 max.): 7-8. Rigid ceiling directly applied.All plates are MT20 plates unless otherwise indicated.3OT CHORD2-1412/0-3-8, (min. 0-1-10), 12-13560(-24, 2-1558 (LC 11))-2-1412/0-3-8, (min. 0-1-13) Max Horiz 2=191 (LC 11)All plates are MT20 plates unless otherwise indicated.Max Horiz 2=191 (LC 11) Max Grav 2=1558 (LC 17), 12=1536 (LC 18)6)* This truss has been designed for a 10.0 psf bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.*OP CHORD2-3-1164/0, 3-28-402/3217, 4-28=-4006/228, 4-5=-4456/181, 5-6=-4404/199, 6-29=-3881/78, -729=-3788/176, -10=-3891/79, 10-33=-1897/155, 11-33=-2117/130, 11-12=-571/10Nith struss is designer equires that a minimum of 7/16" structural wood sheating be applied directly to the top chord and 1/2" gypsum sheatrock be applied directly to the top chord and 1/2" gypsum sheatrock be applied directly to the top chord.															NEBS
No.2 - 1-9-6 33-11-0 Zone; cantilever left and right exposed; end vertical left and right exposed; c-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 STRCING Structural wood sheathing directly applied, except -0-0 oc purlins (3-4-7 max.); 7-8. 2-0-0 oc purlins (3-4-7 max.); 7-8. All plates are MT20 plates unless otherwise indicated. STRCING (Ib/size) 2=1412(0-3-8, (min. 0-1-10), 12=1356(0-3-8, (min. 0-1-13), Max Horiz 2=191 (LC 11) Provide adequate drainage to prevent water ponding. Max Horiz 2=191 (LC 12), 12=-81 (LC 12), Max Grav 2=1558 (LC 17), 12=1536 (LC 18) This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle SORCES (b) - Max. Comp./Max. Ten All forces 250 (D) or less except when shown. 709 CHORD 2-3=-1164/0, 3-28=-4023/217, 4-28=-4006/228, 4-5=-44456/(81, 1, 5-6=-4440/14)(9, 6-29=-3881/78, 1-39=-3881/78, 1-39=-3881/78, 1-39=-3881/78, 1-39=-3881/78, 1-39=-3881/78, 1-39=-3881/78, 1-39=-3881/78, 1-39=-3881/78, 1-39=-3881/78, 1-39=-3881/78, 1-39=-3881/78, 1-39=-75/110, 1-33=-21717/130, 11-12=-571/0, 1-33=-21717/130, 11-12=-571/0, 1-33=-21717/130, 11-12=-571/0, 1-33=-21717/130, 11-12=-571/0, 1-33=-21717/130, 11-12=-571/0, 1-33=-21717/130, 11-12=-571/0, 1-33=-218-148/3544, 18-19=-75/4154, 1-31=-75/4174, 1-35=-75/4154, 16-17=0/3472, 1-35=-42/1663, 1-235=-42/1663 33-11-4295/88, 16-17=0/3472, 1-35=-42/1663 SOT CHORD 2-19=-188/3544, 18-19=-75/4154, 1-3=-75/4154, 1-3=-75/4154, 1-3=-75/4154, 16-17=0/3472, 1-35=-61/3472, 1-35=-61/3477, 1-3=-75/4163 10 Tis trus s design requires that a							(1) 24-9-1 to	-9-1, Interior	19-11-8 to 24	Exterior(2R)		2-7-11, Right 2x6 SP			
SHACING (DP CHORD COP CHORDStructural wood sheathing directly applied, except 2-0-0 cc purlins (3-4-7 max.): 7-8, 2-0-0 cc purlins (3-4-7 max.): 7-8, 2-141/20-3-8, (min. 0-1-10), 12-1356/0-3-8, (min. 0-1-13), 12-1356/0-3-8, (min. 0-1-13), 12-1556/0-3-8, (min. 0-1-13), 12-1556/0-3-8, (min. 0-1-13), 12-1556/0-3-8, (min. 0-1-13), 12-1556/0-3-8, (min. 0-1-13), 12-1556/0-3-8, (min. 0-1-13), 12-1556/0-3-3, (min. 0-1-13), 12-1556/0-3-3, (min. 0-1-13), 12-1556/0-3-8, (min. 0-1-13), 12-1556/0-3-3, (min. 0-1-13), 12-1570/0, min. 0-120, (min. 0-1-13), 12-1570/0, min. 0-120, (min. 0-120, (mi															
TOP CHORD Structural wood sheathing directly applied, except Structural wood sheathing directly applied, except This trues has been designed for a live load on concurrent with any other live loads. 30T CHORD Rigid ceiling directly applied. All plates are MT20 plates unless otherwise indicated. 80T CHORD 2=1412/0-3-8, (min. 0-1-10), 12=1336(0-3-8, (min. 0-1-13)) This trus has been designed for a live load of 20.0psf Max Horiz 2=191 (LC 12), 12=-81 (LC 12) Max Grav 2=1558 (LC 17), 12=1536 (LC 18) * This trus has been designed for a live load of 20.0psf OP CHORD (lb) - Max. Comp./Max. Ten All forces 250 (lb) - Max. Comp./Max. Ten All forces 250 This trus has been designed for a live load onnection (by others) of truss to bearing at joint(s) 2 considers parallel to grain formula. Building OP CHORD 2-3=-1164/0, 3-28=-4023/217, 4-28=-4006/228, 4-5=-4456/181, 5-6=-4404/199, 6-29=-3881/78, 7-29=-3788/116, 7-30=-4494/68, 9-10=-3891/79, 10-33=-1987/155, 8-31=-4495/68, 8-31=-4495/68, 9-10=-3891/79, 10-33=-1987/155, 11-33=-2171/130, 11-12=-571/0 Provide mechanical conection (by others) of truss to bearing plate capable of withstanding 81 lb uplift at joint 1. 2 and 109 lb uplift at joint 2. 3 and and the true the tothe the tother the tot															BRACING
exceptDDC=1.80 Hails Gip DDC=1.802-0-0 cc purlins (3-4-7 max.): 7-8.30 Provide adequate drainage to prevent water ponding.80T CHORDRigid celling directly applied.580T CHORD2=1412/0-3-8. (min. 0-1-10), 12=1356/0-3-8. (min. 0-1-13)41 plates are MT20 plates unless otherwise indicated.80T CHORD2=1412/0-3-8. (min. 0-1-10), 12=1356/0-3-8. (min. 0-1-13)5Max Horiz 2=101 (LC 11) Max Uplift 2=-109 (LC 12), 12=-81 (LC 12) Max Grav 2=1558 (LC 17), 12=-81 (LC 12)6Max Woliz 2=109 (LC 12), 12=-81 (LC 12) Max Grav 2=1558 (LC 17), 12=-81 (LC 18)6ORCES(b) - Max. Comp./Max. Ten All forces 250 (b) or less except when shown.6OP CHORD2-3=-1164/0, 3-28=-4023/217, 4-28=-4006/228, 4-5=-4456/181, 5-6=-4404/199, 6-29=-3881/78, 7-29=-3789/179, 10-33=-1987/755, 100T CHORD7VOT CHORD2-19=-148/3544, 18-19=-75/4151, 17-18=-58/4198, 16-17=0/3472, 15-16=0/3457, 8-15=-19/592, 13-35=-42/16639VOT CHORD2-19=-148/3544, 18-19=-75/4151, 17-18=-58/4198, 16-17=0/3472, 15-16=0/3457, 8-15=-19/592, 13-35=-42/16639VOT CHORD2-19=-148/3544, 18-19=-75/4151, 17-18=-58/4198, 16-17=0/3472, 15-16=0/3457, 8-15=19/592, 13-35=-42/16639VOT CHORD2-19=-148/3544, 18-19=-75/4151, 17-18=-58/4198, 16-17=0/3472, 15-16=0/3457, 8-15=-19/592, 13-35=-42/16639VIOT CHORD2-19=-148/3544, 18-19=-75/4151, 17-18=-58/4198, 16-17=0/3472, 15-16=0/3457, 8-15=-19/592, 13-35=-42/166310VIOT CHORD2-19=-148/3544, 18-19=-75/4151, 17-18=-58/4198, 16-17=0/3472, 15-16=0/3457, 8-15=-19/592, 13-35=-42/1							Lumber					eathing directly applied.	al wood she	Structura	
 All plates are MT20 plates unless otherwise indicated. Fis truss has been designed for a 10.0 psf bottom This truss has been designed for a live load of 20.0psf This truss has been designed for a live load of 20.0psf This truss has been designed for a live load of 20.0psf This truss has been designed for a live load of 20.0psf This truss has been designed for a live load of 20.0psf This truss has been designed for a live load of 20.0psf This truss has been designed for a live load of 20.0psf This truss has been designed for a live load of 20.0psf This truss has been designed for a live load of 20.0psf This truss has been designed for a live load of 20.0psf This truss has been designed for a live load of 20.0psf This truss has been designed for a live load of 20.0psf This truss has been designed for a live load of 20.0psf This truss has been designed for a live load of 20.0psf This truss has been designed for a live load of 20.0psf This truss has been designed for a live load of 20.0psf This truss has been designed for a live load of 20.0psf This truss has been designed for a live loads. * This truss has been designed for a live loads. * This truss has been designed for a live loads. * This truss has been designed for a live loads. * This truss has been designed for a live loads. * This truss has been designed for a live loads. * This truss has been designed for a live loads. * This truss has been designed for a live loads. * This truss has been designed for a live loads. * This truss has been designed for a live loads. * This truss has been designed for a live loads. * This truss has been designed for a live loads. * This truss has been designed for a live loads. * This truss has been designed for a live loads. <li< td=""><td></td><td></td><td></td><td></td><td></td><td>~</td><td>votor pondin</td><td></td><td></td><td></td><td></td><td>0 , 11 ,</td><td></td><td></td><td></td></li<>						~	votor pondin					0 , 11 ,			
 This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 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 10.0 psf bottom chord live load nonconcurrent with any other live loads. 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 on chord live load nonconcurrent with any other live loads. This truss has been designed for a 10.0 psf bottom chord in all areas where a rectangle This truss has been designed for a live load on chord in all areas where a rectangle 30-60-00 tall by 2-00-00 wide will fit between the bottom chord any other members, with BCDL = 10.0psf. Bearing at joint(s) 2 considers parallel to grain value using ANSI/TP1 1 angle to grain formula. Building designer should verify capacity of bearing surface. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 81 lb uplift at joint 12 and 109 lb uplift at joint 2. This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TP1 1. This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the size more formed. Graphical purlin representation does not depict the size 											- /	4-7 max.): 7-8.	purlins (3-4	2-0-0 oc	
 REACTIONS (Ib/size) 2=1412/0-3-8, (min. 0-1-10), 12=1356/0-3-8, (min. 0-1-10), 12=1536 (LC 12) Max Horiz 2=191 (LC 11) Max Grav 2=1558 (LC 17), 12=1536 (LC 18) ORCES (Ib) - Max. Comp./Max. Ten All forces 250 (Ib) or less except when shown. OP CHORD 2-3=-1164/0, 3-28=-4023/217, 4-28=-4006/228, 4-5=-4456/181, 5-6=-4404/199, 6-29=-3881/78, 7-29=-3788/116, 7-30=-4494/68, 8-31=-4495/68, 8-31=-4495/68, 8-31=-4495/68, 8-31=-4495/68, 8-31=-4495/68, 8-31=-4495/68, 8-31=-4495/68, 9-10=-3891/79, 10-33=-1987/155, 11-33=-2177/130, 11-12=-571/0 FOT CHORD 2-19=-148/3544, 18-19=-75/4151, 17-18=-58/4198, 16-17=0/3472, 15-16=0/3457, 8-15=-19/592, 13-35=-42/1663, 12-35=-42/1663 Chord and any other members, with any other live loads. Chord live load nonconcurrent with any other live loads. Chord live load nonconcurrent with any other live loads. Chord live load nonconcurrent with any other live loads. Chord and any other members, with BCDL = 10.0psf. Bearing at joint(s) 2 considers parallel to grain formula. Building designer should verify capacity of bearing surface. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 81 lb uplift at joint 12 and 109 lb uplift at joint 2. 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. This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord. Chord and 1/2" gypsum sheetrock be applied directly to the size of the bottom chord. 						u.						y applied.	iling directly	Rigid cei	BOT CHORD
 12=1356/0-3-8, (min. 0-1-13) Max Horiz 2=191 (LC 11) Max Uplift 2=-109 (LC 12), 12=-81 (LC 12) Max Grav 2=1558 (LC 17), 12=1536 (LC 18) ORCES (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. OP CHORD 2-3=-1164/0, 3-28=-4023/217, 4-28=-4006/228, 4-5=-4456/181, 5-6=-4404/199, 6-29=-3881/78, 7-29=-3788/116, 7-30=-4494/68, 8-32=-3799/120, 9-32=-3834/88, 8-32=-3799/120, 9-32=-3834/88, 9-10=-3891/79, 10-33=-1987/155, 11-33=-2117/130, 11-12=-571/0 OT CHORD 2-19=-148/3544, 18-19=-75/4151, 17-18=-58/4198, 16-17=0/3472, 15-66=0/3457, 8-15=-19/592, 13-35=-42/1663, 12-35=-42/1663 * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf. Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 81 lb uplift at joint 2. 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. This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord. Graphical purlin representation does not depict the size 						ds					5)	-3-8 (min 0-1-10)	2=1412/0	(lb/size)	REACTIONS
Max Horiz 2=191 (LC 11) Max Uplift 2=-109 (LC 12), 12=-81 (LC 12) Max Grav 2=1558 (LC 17), 12=1536 (LC 18) ORCES (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. OP CHORD 2-3=-1164/0, 3-28=-4023/217, 4-28=-4006/228, 4-5=-4456/181, 5-6=-4404/199, 6-29=-3881/78, 7-29=-3788/116, 7-30=-4494/68, 30-31=-4495/68, 8-31=-4495/68, 9-10=-3891/79, 10-33=-1987/155, 11-33=-2117/130, 11-12=-571/0 4OT CHORD 2-19=-148/3544, 18-19=-75/4151, 17-18=-58/4198, 16-17=0/3472, 13-35=-42/1663, 12-35=-42/1663 Max Horiz 2=191 (LC 11) Max Uplift 2=-109 (LC 12), 12=-81 (LC 12) Max Grav 2=158 (LC 17), 12=1536 (LC 18) on the bottom chord in all areas where a rectangle 3-06-0 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf. Bearing at joint(s) 2 considers parallel to grain formula. Bearing at consection (by others) of truss to bearing plate capable of withstanding 81 lb uplift at joint 12 12 and 109 lb uplift at joint 2. 9 This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. 10 This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord. 11) Graphical purlin representation does not depict the size											6)			(, 0	
 Max Grav 2=1558 (LC 17), 12=1536 (LC 18) ORCES (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. OP CHORD 2-3=-1164/0, 3-28=-4023/217, 4-28=-4006/228, 4-5=-4466/181, 5-6=-4404/199, 6-29=-3881/78, 7-29=-3788/116, 7-30=-4494/68, 8-31=-4495/68, 8-31=-4495/68, 8-31=-4495/68, 8-31=-4495/68, 8-31=-4495/68, 8-31=-4495/68, 8-32=-3799/120, 9-32=-3834/88, 9-10=-3891/79, 10-33=-1987/155, 11-33=-2117/130, 11-12=-571/0 OT CHORD 2-19=-148/3544, 18-19=-75/4151, 17-18=-58/4198, 16-17=0/3472, 15-16=0/3457, 8-15=-19/592, 13-35=-42/1663, 12-35=-42/1663 Amax Grav 2=1558 (LC 17), 12=1536 (LC 18) Chord and any other members, with BCDL = 10.0psf. Bearing at joint(s) 2 considers parallel to grain value using ANSI/TP1 1 angle to grain formula. Building designer should verify capacity of bearing surface. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 81 lb uplift at joint 2. Provide mechanical connection (bo others) of truss to bearing plate capable of withstanding 81 lb uplift at joint 2. Provide mechanical connection (bo others) of truss to bearing plate capable of withstanding 81 lb uplift at joint 2. Provide mechanical Code sections R502, 11.1 and R802.10.2 and referenced standard ANSI/TP1 1. Provide the formula wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the top chord. Graphical purlin representation does not depict the size 						- 1					- /			Max Horiz	
 FORCES (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. FOP CHORD 2-3=-1164/0, 3-28=-4023/217, 4-28=-4006/228, 4-5=-4456/181, 5-6=-4404/199, 6-29=-3881/78, 7-29=-3788/116, 7-30=-4494/68, 30-31=-4495/68, 8-31=-4495/68, 8-31=-4495/68, 8-32=-3799/120, 9-32=-3834/88, 9-10=-3891/79, 10-33=-1987/155, 11-33=-2117/130, 11-12=-571/0 BOT CHORD 2-19=-148/3544, 18-19=-75/4151, 17-18=-58/4198, 16-17=0/3472, 15-16=0/3457, 8-15=-42/1663, 12-35=-42/1663, 12-35=-42/1663, 12-35=-42/1663 CHORD 2-19=-148/3544, 18-19=-75/4151, 13-35=-42/1663, 12-35=-42/1663, 12-35=-42/1663 CHORD 2-19=-148/3544, 18-19=-75/4151, 12-357-40 CHORD 2-19=-148/3544, 18-19=-75/4151, 12-357-4						om	veen the bott	le will fit betv	by 2-00-00 wi	3-06-00 tall		C 12), 12=-81 (LC 12)	t 2=-109 (L	Max Uplift	
OROLD(b) - Wax. comp./max. ref An forces 200using ANSI/TP11 angle to grain formula. Building designer should verify capacity of bearing surface.OP CHORD2-3=-1164/0, 3-28=-4023/217, 4-28=-4006/228, 4-5=-4456/181, 5-6=-4404/199, 6-29=-3881/78, 7-29=-3788/116, 7-30=-4494/68, 30-31=-4495/68, 8-31=-4495/68, 8-32=-3799/120, 9-32=-3834/88, 9-10=-3891/79, 10-33=-1987/155, 11-33=-2117/130, 11-12=-571/0Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 81 lb uplift at joint 2.307 CHORD2-19=-148/3544, 18-19=-75/4151, 17-18=-58/4198, 16-17=0/3472, 15-16=0/3457, 8-15=-49/592, 13-35=-42/1663, 12-35=-42/16639307 CHORD2-19=-148/3544, 18-19=-75/4151, 17-18=-58/4198, 16-17=0/3472, 13-35=-42/1663, 12-35=-42/166310											8)	LC 17), 12=1536 (LC 18	2=1558 (L	Max Grav	
OP CHORD2-3=-1164/0, 3-28=-4023/217, 4-28=-4006/228, 4-5=-4456/181, 5-6=-4404/199, 6-29=-3881/78, 7-29=-3788/116, 7-30=-4494/68, 30-31=-4495/68, 8-31=-4495/68, 9-10=-3891/79, 10-33=-1987/155, 11-33=-2117/130, 11-12=-571/0Born content of the set of th						•					0 7)	lax. Ten All forces 250	x. Comp./M	(lb) - Ma	ORCES
OT CHORD2-03-1101, 020, 120, 120, 14, 14, 14, 14, 14, 14, 14, 14, 14, 14												/hen shown.	ss except w	(lb) or les	
bearing plate capable of withstanding 81 lb uplift at joint 12 and 109 lb uplift at joint 13 as = 42/1663, 12-35=-42/1663 14 between the the merit in the thermatical provide the the termatical provide											•	-4023/217,	64/0, 3-28=-	2-3=-116	OP CHORD
7-29=-3788/116, 7-30=-4495/68, 30-31=-4495/68, 8-31=-4495/68, 9-10=-3891/79, 10-33=-1987/155, 11-33=-2117/130, 11-12=-571/0 12 and 109 lb uplift at joint 2. 90 This truss is designed in accordance with the 2018 International Residential Code sections R502,11.1 and 9-10=-3891/79, 10-33=-1987/155, 11-33=-2117/130, 11-12=-571/0 9) 100 CHORD 2-19=-148/3544, 18-19=-75/4151, 17-18=-58/4198, 16-17=0/3472, 15-16=0/3457, 8-15=-19/592, 13-35=-42/1663, 12-35=-42/1663 10) 11) Graphical purine representation does not depict the size											8)				
30-31=-4495/68, 8-31=-4495/68, 8-32=-3799/120, 9-32=-3834/88, 9-10=-3891/79, 10-33=-1987/155, 11-33=-2117/130, 11-12=-571/09) 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.OT CHORD2-19=-148/544, 18-19=-75/4151, 17-18=-58/4198, 16-17=0/3472, 15-16=0/3457, 8-15=-49/1663, 12-35=-42/166310) 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.OT CHORD2-19=-148/544, 18-19=-75/4151, 17-18=-58/4198, 16-17=0/3472, 15-16=0/3457, 8-15=-49/1663, 12-35=-42/166310) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.10)Graphical purlin representation does not depict the size ot the interior to fine distribution along the truncation does not depict the size						pint	or in uplift at					,	,		
8-32=-3799/120, 9-32=-3834/88, International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. 9-10=-3891/79, 10-33=-1987/155, N802.10.2 and referenced standard ANSI/TPI 1. 11-33=-2117/130, 11-12=-571/0 10) This truss design requires that a minimum of 7/16" SOT CHORD 2-19=-148/3544, 18-19=-75/4151, 17-18=-58/4198, 16-17=0/3472, 5t-16=0/3457, 8-15=-19/592, 13-35=-42/1663, 12-35=-42/1663 11) Graphical purlin representation does not depict the size							ith the 2018				0)				
9-10237891/70, 10-33=-1087/155, 11-33=-2117/130, 11-12=-571/0R802.10.2 and referenced standard ANSI/TPI 1.0T CHORD2-19=-148/3544, 18-19=-75/4151, 17-18=-58/4198, 16-17=0/3472, 15-16=0/3457, 8-15=-19/592, 13-35=-42/1663, 12-35=-42/166310) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.0T CHORD2-19=-148/3544, 18-19=-75/4151, 17-18=-58/4198, 16-17=0/3472, 15-16=0/3457, 8-15=-19/592, 13-35=-42/1663, 12-35=-42/166310) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.11) Graphical purlin representation does not depict the size11) Graphical purlin representation does not depict the size						nd					9)	,	,		
11-33=-2117/130, 11-12=-571/010) This truss design requires that a minimum of 7/16"OT CHORD2-19=-148/3544, 18-19=-75/4151, 17-18=-58/4198, 16-17=0/3472, 15-16=0/3457, 8-15=-19/592, 13-35=-42/1663, 12-35=-42/166310) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.11) Graphical purlin representation does not depict the size or the intervient film of the number						ina									
OT CHORD 2-19=-148/3544, 18-19=-75/4151, 17-18=-58/4198, 16-17=0/3472, 15-16=0/3457, 8-15=-19/592, 13-35=-42/1663, 12-35=-42/1663 structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord. 11) Graphical purin representation does not depict the size of the number of the											10)				
17-18=-58/41098, 16-17=0/3472, 15-16=0/3457, 8-15=-19/592, 13-35=-42/1663, 12-35=-42/1663chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.13-35=-42/1663, 12-35=-42/166311) Graphical purlin representation does not depict the size or the other the term of the number of the num						top					.0)				
15-16=0/3457, 8-15=-19/592,the bottom chord.13-35=-42/1663, 12-35=-42/166311) Graphical purlin representation does not depict the size															
13-35=-42/1663, 12-35=-42/1663 11) Graphical purlin representation does not depict the size						,						,	,		
						size	ot depict the	ation does no	urlin represent) Graphical pu	11)				
							top and/or	rlin along the	ation of the pu	or the orient	,		,		VEBS

 10-13--1140/119, 8-16=0/1838, 7-16=0/1868,
 bottom chord.

 7-17=-16/499, 4-19=0/583, 6-17=-601/185
 LOAD CASE(S)
 Standard

NOTES

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

Job	Truss	Truss Type	Qty	Ply	
Dale 05-23-107	A06	Piggyback Base	7	1	Job Reference (optional)

Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Thu Jun 01 13:42:01 Page: 1 ID:Zd9HlyG838S4zVJHPbGe7PzAgpF-j60KsyTrNHcrHUEGmJvUTP24yanNUH1?_GunmxzAeuK

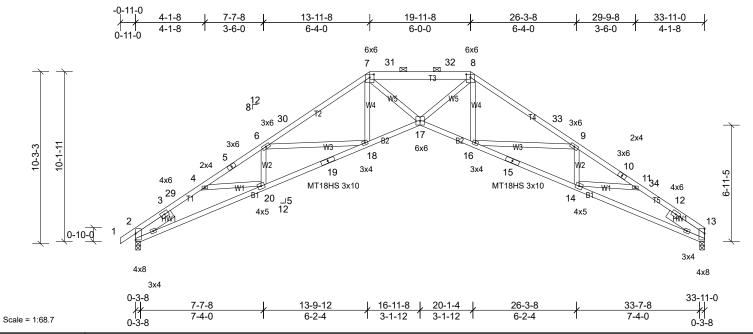


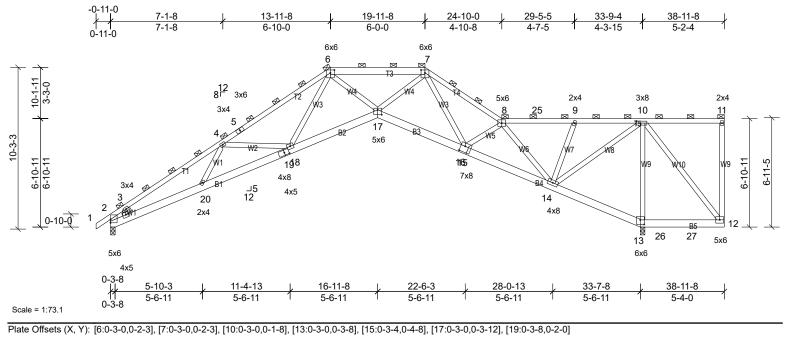
Plate Offsets (X, Y): [7:0-3-0,0-2-3], [8:0-3-0,0-2-3]

Loading TCLL (roof) TCDL	(psf) 20.0 10.0	Spacing Plate Grip DOL Lumber DOL	2-0-0 1.00 1.15	CSI TC BC	0.95 0.97	DEFL Vert(LL) Vert(CT)		(loc) 17-18 17-18	l/defl >999 >521	L/d 240 180	PLATES MT20 MT18HS	GRIP 244/190 244/190
BCLL BCDL	0.0* 10.0	Rep Stress Incr Code	YES IRC2018/TPI2014	WB Matrix-AS	0.67	Horz(CT)	0.81	13	n/a	n/a	Weight: 192 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS SLIDER BRACING TOP CHORD BOT CHORD	T1,T5:2x4 SP No.1 2x4 SP No.2 2x4 SP No.3 Left 2x6 SP No.2 No.2 2-7-11 Structural wood she except 2-0-0 oc purlins (3-1	2-7-11, Right 2x6 SP eathing directly applied 5-14 max.): 7-8.	Vasd=99mp B=45ft; L=3 Enclosed; M -0-11-0 to 2 (2R) 13-11-1 Exterior(2R 33-11-0 zon vertical left forces & MV DOL=1.60 p 3) Provide ade	57-16; Vult=125mp h; TCDL=6.0psf; Bi 4ft; eave=4ft; Ke=1 IWFRS (directional 5-11, Interior (1) 2- 3 to 18-9-1, Interior) 19-11-8 to 24-9-1, e; cantilever left an and right exposed;C VFRS for reactions olate grip DOL=1.6C quate drainage to p e MT20 plates unle	CDL=6.0 .00; Cat) and C- 5-11 to (1) 18-9 Interior d right e C-C for r shown;) prevent	Dipsf; h=28ft; II; Exp B; C Exterior(2) I3-11-8, Exterior(2) I3-11-11-8, Exterior(2) I3-11-11-11-11-11-11-11-11-11-11-11-11-11	erior 3, 1 1 g.					
REACTIONS	13=1356/ Max Horiz 2=192 (Le	I-3-8, (min. 0-1-8), /0-3-8, (min. 0-1-8) C 11) .C 12), 13=-81 (LC 12)	5) This truss h chord live lo 6) * This truss	as been designed f ad nonconcurrent v has been designed m chord in all areas	or a 10. vith any for a liv) psf bottom other live loa e load of 20.	ads.					
FORCES		lax. Ten All forces 25	0 3-06-00 tall	by 2-00-00 wide wi ny other members.	ll fit betv		om					
TOP CHORD		3512/216, 5=-3887/181, 0=-3433/77, 31=-3911/71, 32=-3911/71, 33=-3434/78, -11=-3895/183,	 Bearing at jusing ANSI/ designer sh Provide me bearing plat 13 and 109 This truss is Internationa 	 7) Bearing at joint(s) 13, 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface. 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 81 lb uplift at joint 13 and 109 lb uplift at joint 2. 9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. 								
BOT CHORD		7-18=0/2969, 6=-59/3541,	10) This truss d structural w	esign requires that ood sheathing be a /2" gypsum sheetro	a minim pplied d	um of 7/16" rectly to the						
WEBS	8-17=0/1610, 7-17=	:0/1612, 7-18=-15/405, 516/185, 8-16=-15/406	11) Graphical p	urlin representation ation of the purlin a d.			size					

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

Job	Truss	Truss Type	Qty	Ply	
Dale 05-23-107	A07	Piggyback Base Girder	2	3	Job Reference (optional)

Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Thu Jun 01 13:42:02 Page: 1 ID:Vp3K4d4HzY1ILgkLIZ3UJyzAjBr-BJaj3IUT8bkivepSJ0Qj0cbHt_gYDqN9DweKJNzAeuJ



		,,, [,			,, [,	1		ı —	
Loading	(psf)	Spacing		3-9-4	CSI		DEFL	in			L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL		1.00	TC	0.81	Vert(LL)		18-20		240	MT20	244/190
TCDL	10.0	Lumber DOL		1.15	BC	0.91	Vert(CT)		18-20		180		
BCLL	0.0*	Rep Stress Incr	10000	NO	WB	0.28	Horz(CT)	0.38	13	n/a	n/a	M	FT 00%
BCDL	10.0	Code	IRC20	18/TPI2014	Matrix-MS							Weight: 798 lb	F1 = 20%
LUMBER			2)		considered equa					Vert: 26	=-319,	27=-319	
TOP CHORD	2x4 SP No.2 *Exc	ept* T2:2x4 SP No.1,			ed as front (F) or								
	T3:2x6 SP No.2				ction. Ply to ply c								
BOT CHORD					listribute only loa	ids noted	as (F) or (B),	,					
NEBS	2x4 SP No.2		2)		wise indicated.			41- : -					
SLIDER	Left 2x4 SP No.2 -	1-6-0	3)		roof live loads ha	ave been	considered to	or this					
BRACING			4)	design.	7-16; Vult=125m	nh (3 co)	cond quet)						
TOP CHORD	2-0-0 oc purlins (6	-0-0 max.), except end	4)		r; TCDL=6.0psf;								
	verticals				ft; eave=5ft; Ke=								
		eeted: Spacing > 2-0-0).			WFRS (direction			riaht					
BOT CHORD	0 0	tly applied or 10-0-0 oc		,	nd vertical left and			0					
	bracing, Except:	10 11 10 10			ate grip DOL=1.6		,						
	6-0-0 oc bracing:	13-14,12-13.	5)	Provide ade	quate drainage to	prevent	water pondin	ıg.					
REACTIONS	(lb/size) 2=2538/	/0-3-8, (min. 0-1-8),	6)	This truss ha	is been designed	l for a 10.	0 psf bottom						
		8/0-3-8, (min. 0-1-10)			ad nonconcurren	,							
	Max Horiz 2=540 (,	,		nas been designe			0psf					
	Max Uplift 2=-214	(LC 25), 13=-586 (LC 5)			n chord in all are								
FORCES	(lb) - Max. Comp./	Max. Ten All forces 250	0		by 2-00-00 wide v		veen the both	tom					
	(lb) or less except		0)		ny other member int(s) 2 considers			-					
TOP CHORD	,		8)		PI 1 angle to gra			3					
	4-5=-6539/341, 5-	,			ould verify capaci								
	6-7=-6928/302, 7-		9)		hanical connection			to					
	8-25=-2135/336, 9 9-10=-2314/386	1-25=-2135/336,	•)		capable of with								
BOT CHORD		0-20537/621/			b uplift at joint 2.	5		,					
	18-19=-487/6219,		10)	This truss is	designed in acco	ordance w	ith the 2018						
	16-17=-299/5006,	,			Residential Cod			and					
	14-15=-282/5324,			R802.10.2 a	nd referenced sta	andard Al	ISI/TPI 1.						
	13-26=-447/259, 2	,	11)		Irlin representatio			size					
	12-27=-447/259				ation of the purlin	along the	e top and/or						
WEBS	4-20=-689/152, 4-	,	10)	bottom chore		a davia-(
	6-18=-107/984, 6-		12)		other connection			210 16					
	7-17=-161/3179, 7	,			ficient to support 65 lb up at 34-10								
	8-16=-244/277, 8-				36-10-12 on bot								
	9-14=-525/169, 10	,			such connection			1/					
	10-12=-280/732, 1	0-13=-3195/418		responsibility		400100(3)							
				AD CASE(S)									
		gether with 10d (0.131"x	3") 20	• • •	of Live (balanced). Lumber	Increase=1	15					
nails as fo		we: 2x4 1 row at 0.0.0	•)	Plate Increa	`	. Lumber	1.0.000-1.	,					
	s connected as folio 2 rows staggered at	ws: 2x4 - 1 row at 0-9-0		Uniform Lo									
		ollows: 2x6 - 2 rows			=-113, 6-7=-113,	7-8=-113	8-11=-113.						
	at 0-9-0 oc.	010443. 210 - 210445			8, 13-17=-38, 12		-,						
		4 - 1 row at 0-9-0 oc.			ed Loads (lb)								
	2 do .o.io.io. 2A				. /								

Job	Truss	Truss Type	Qty Ply		
Dale 05-23-107	A09	Piggyback Base	2 1	Job Reference (or	otional)
Carolina Structural Systems, Sta	ar, NC 27356, Jeremy Phillips	Run: 8.62 S Oct 1			ries, Inc. Thu Jun 01 13:42:03 Page: 1
<u>}</u>	6-6-12	12-1-12 5-7-0 11-9-12 6-0-0 M18SHS 7x12 6 30 5x6 5 5x6 5 4 4 4 4 4 4 4 5x6 5x6 5 4 4 4 5x6 5x6 5x6 5 5x6 5 5x6 5 5x6 5x7 5x7 5x7 5x7 5x7 5x7 5x7 5x7 5x7 5x7	-8	5xFqUJ?h14noF3D5xzAtQE <u>26-3-8</u> 6-4-0	-BJaj3IUT8bkivepSJ0Qj0cbFi_7cDi59DweKJNzAeuJ <u>29-9-8 33-11-0 </u> 3-6-0 4-1-8
	33 3x6 4 3 28 11 W1 19 4x5	29 W2 W3 V3 V3 V3 V3 V3 V3 V3 V3 V3 V	15 3x4	12 32 3x6 8 ₩6 14 14 MT18HS 3x10 5L 13 12 3x4	2x4 3x6 9 10_{33} 4x6 11 12 3x4 4x8
	6.6.10		20.1.4		33-11-0
Scale = 1:63.9	<u> </u>	<u>12-3-8</u> <u>16-11-8</u> 5-8-14 <u>4-8-0</u>	3-1-12	<u>26-3-8</u> 6-2-4	<u>33-7-8</u> 7-4-0 0-3-8
		-3-0,0-2-3], [16:0-3-0,0-3-12], [17:0-7-4,0-1-	91 [10:0 2 0 0 2 (1	0-3-8
T4,T1:2x4 S BOT CHORD 2x4 SP No.3 WEBS 2x4 SP No.3 SLIDER Left 2x6 SP - 2-7-11 - BRACING 2-0-0 oc pu TOP CHORD Structural wexcept 2-0-0 oc pu BOT CHORD BOT CHORD REACTIONS (lb/size) 1:1 Max Horiz 1:1 Max Uplift 1:1 FORCES (lb) - Max. C (lb) or less e 10:3:1=:40:44 7-32=-33556 5-6=-3:194:/1 30-31=-40:44 7-32=-33:56 10-33==347 11:12=:590/1 BOT CHORD 1:19=-91/15 15-16=0/299 13:14=:79/3 WEBS 3-19=-1216 3-14=-79/3 3-113=-1216 NOTES -115=-14/34	2 3 No.2 1-8-5, Right 2x6 SP rood sheathing directly applie rlins (3-2-8 max.): 6-7. g directly applied. =1357/0-3-8, (min. 0-1-10), 2=1357/0-3-8, (min. 0-1-8) =-183 (LC 10) =-81 (LC 12), 12=-81 (LC 12 comp./Max. Ten All forces 2 except when shown. 2-28=-1910/131, 1/53, 3-4=-3651/106, 1/21, 5-29=-3531/137, 17, 6-30=-4046/77, 6/77, 7-31=-4046/77, 6/77, 7-31=-4046/77, 101, 9-10=-3893/183, 7/230, 11-33=-3534/219,	 Exterior(2R) 19-11-8 to 24-9-1, I 33-11-0 zone; cantilever left and vertical left and right exposed;C- forces & MWFRS for reactions s DOL=1.60 plate grip DOL=1.60 3) Provide adequate drainage to pr 4) All plates are MT20 plates unless 5) This truss has been designed fo chord live load nonconcurrent w 6) * This truss has been designed fo on the bottom chord in all areas 3-06-00 tall by 2-00-00 wide will chord and any other members. 7) Bearing at joint(s) 12 considers jusing ANSI/TP1 1 angle to grain designer should verify capacity of bearing plate capable of withstan 1 and 81 lb uplift at joint 12. 9) This truss design requires that a structural wood sheathing be ap chord and 1/2" gypsum sheetroo the bottom chord. 11) Graphical purlin representation of or the orientation of the purlin all bottom chord. 	DL=6.0psf; h=28f 0; Cat. II; Exp B; and C-C Exterior(1 to 13-11-8, Exter 1) 18-9-1 to 19-11 nterior (1) 24-9-1 : right exposed ; ei C for members ar shown; Lumber revent water pond s otherwise indicar ra 10.0 psf bottor ith any other live lo fit between the bor parallel to grain va formula. Building of bearing surface (by others) of trus nding 81 lb uplift a ance with the 2018 ections R502.11.1 lard ANSI/TPI 1. minimum of 7/16' plied directly to the k be applied direct	2E) rior -8, to nd ing. ited. n boads. 0.0psf bottom alue - s to it joint - - - - - - - - - - - - -	240 MT20 244/190 180 M18SHS 244/190

Job	Truss	Truss Type	Qty	Ply	
Dale 05-23-107	A10	Piggyback Base	9	1	Job Reference (optional)

Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Thu Jun 01 13:42:03 Page: 1 ID:XnUwgIRbDnBDJeWHaNkSAOzAfKn-fV85HeV5vusZXnOetkxyYq7P7OUAyA7ISaNurqzAeul

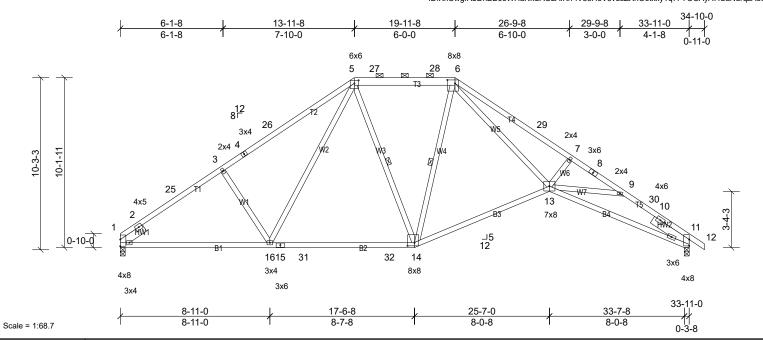


Plate Offsets (X, Y): [5:0-3-0,0-2-3], [6:0-5-8,0-2-8], [14:0-5-0,0-2-4]

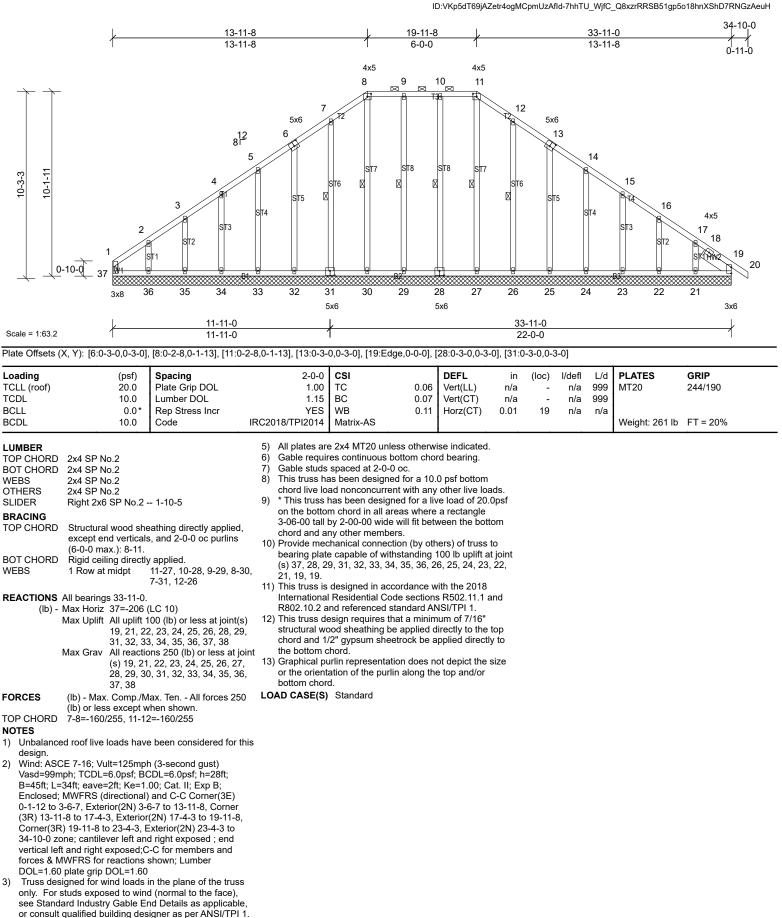
Loading		(psf)	Spacing		2-0-0	CSI	0.07		in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) TCDL		20.0 10.0	Plate Grip DOL Lumber DOL		1.00 1.15	TC BC	0.97 0.95	Vert(LL) Vert(CT)		14-16 13-14	>999 >581	240 180	MT20	244/190
BCLL		0.0*	Rep Stress Incr		YES	WB	0.95	• • •	0.36	13-14	n/a	n/a		
BCDL		10.0	Code	IRC20)18/TPI2014	Matrix-AS	0.10	11012(01)	0.00		n/a	n/a	Weight: 204 lb	FT = 20%
				-				<u> </u>						
LUMBER TOP CHORD	2x4 SP No.2	2 *Excep	ot* T3:2x6 SP No.2,	2)	Vasd=99mp	7-16; Vult=125mp h; TCDL=6.0psf; B	CDL=6.	0psf; h=28ft;						
	T4,T5:2x4 S					4ft; eave=4ft; Ke=1			-					
BOT CHORD			ot* B4:2x4 SP No.1		,	WFRS (directional 11, Interior (1) 3-4	,	· · ·	,					
WEBS SLIDER			ot* W5:2x4 SP No.2 1-8-5, Right 2x6 SP No.	2		to 18-9-1, Interior								
GEIDEIX	2-7-11	110.2	1-0-0, Hight 2x0 01 10.	2	Exterior(2R)	19-11-8 to 24-9-1,	Interior	(1) 24-9-1 to	ົ					
BRACING						e; cantilever left ar								
TOP CHORD	Structural w	ood she	eathing directly applied,			and right exposed;			d					
	except		0 7 11 7			/FRS for reactions late grip DOL=1.60		Lumper						
			0-0 max.): 5-6.	3)		quate drainage to		water pondir	na.					
BOT CHORD WEBS	Rigid ceiling 1 Row at mi		/ applied. 5-14, 6-14	4)		as been designed f								
			, .		chord live lo	ad nonconcurrent	with any	other live lo	ads.					
REACTIONS			-3-8, (min. 0-1-13),	5)		has been designed			.0psf					
	11 Max Horiz 1=		0-3-8, (min. 0-1-10)			m chord in all area by 2-00-00 wide wi			tom					
		· ·	C 10) C 12), 11=-110 (LC 12)			ny other members.								
			LC 17), 11=1570 (LC 18)) 6)		pint(s) 11 considers								
FORCES			lax. Ten All forces 250	·	using ANSI/	TPI 1 angle to grai	n formul	a. Building						
1011020	(lb) or less e					ould verify capacity								
TOP CHORD	1-2=-978/0, 2	2-25=-2	2129/140,	7)		hanical connection								
	3-25=-2008/					e capable of withst uplift at joint 11.	anung	or in upline at	joint					
			26=-1894/230,	8)		designed in accor	dance w	ith the 2018						
			-28=-1324/206, 29=-4197/228,	- /		Residential Code			and					
			8=-4340/186,		R802.10.2 a	nd referenced star	ndard AN	ISI/TPI 1.						
	8-9=-4392/1	,	,	9)		esign requires that								
	10-30=-3868					ood sheathing be a 2" gypsum sheetro								
BOT CHORD			16=0/1367, 15-31=0/136		the bottom of		ook be a	philea allect	iy to					
			2=0/1367, 13-14=0/163	⁴ , 10		Irlin representation	n does n	ot depict the	size					
WEBS	11-13=-89/32		6=-46/659, 6-14=-495/53			ation of the purlin a								
			3=-385/158, 9-13=0/732		bottom chore		-							
NOTES		_,		LO	AD CASE(S)	Standard								
1) Unbalance	ed roof live loa	ds have	e been considered for th	is										

design.

Job Truss	Truss Type	Qty	Ply		
Dale 05-23-107 A11	Piggyback Base Supported Gable	1	1	Job Reference (optional)	
Carolina Structural Systems, Star, NC 27356, Jeremy Phillips	Run: 8.62 S Oct 1	3 2022 Print:	8.620 S Oct	13 2022 MiTek Industries, Inc. Thu Jun 01 13:42:04	Page: 1

Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Thu Jun 01 13:42:04

ID:VKp5dT69iAZetr4oaMCpmUzAfld-7hhTU WifC Q8xzrRRSB51ap5o18hnXShD7RNGzAeuH

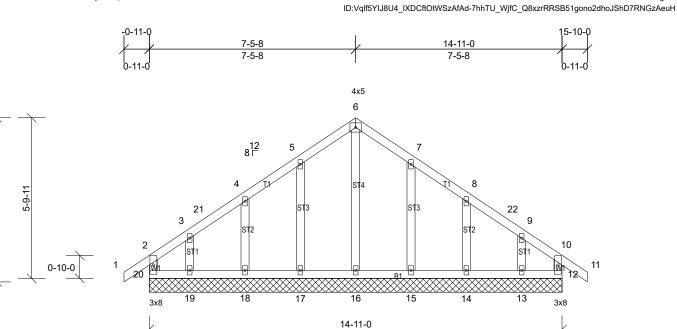


Provide adequate drainage to prevent water ponding. 4)

3)

Job	Truss	Truss Type	Qty	Ply	
Dale 05-23-107	B01	Common Supported Gable	1	1	Job Reference (optional)

Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Thu Jun 01 13:42:04 Page: 1



Scale = 1:41.6

Plate Offsets (X, Y): [12:0-1-11,0-0-4]

5-11-3

	,	.1										
-	(psf) 20.0	Spacing Plate Grip DOL	2-0-0 1.00	CSI TC	0.08	DEFL Vert(LL)	in n/a	(loc)	l/defl n/a	L/d 999	PLATES MT20	GRIP 244/190
· · /	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	n/a	-	n/a	999	11120	211/100
BCLL BCDL	0.0* 10.0	Rep Stress Incr Code	YES IRC2018/TPI2014	WB Matrix-AS	0.06	Horz(CT)	0.00	12	n/a	n/a	Weight: 85 lb	FT = 20%
except end v Rigid ceiling REACTIONS All bearings 14 (Ib) - Max Horiz 20 Max Uplift All 12 Max Grav All (s) 20	bood she verticals directly 4-11-0. =125 (I I uplift 1 , 13, 14 I reactic) 12, 13 omp./M xcept w ds have 125mpl 0psf; B0 ; Ke=1. ctional) (2N) 10 exposed embers nber D0 I loads I to wind able En ing des unless unless unless unless from overner -0-0 occ	 y applied. LC 11) (00 (lb) or less at joint(s, 4, 15, 17, 18, 19, 20 ons 250 (lb) or less at joint, 5, 14, 15, 16, 17, 18, 19 lax. Ten All forces 250 when shown. a been considered for the n (3-second gust) CDL=6.0psf; h=28ft; 00; Cat. II; Exp B; and C-C Corner(3E) 1-0 to 7-5-8, Corner(3F) -5-8 to 15-10-0 zone; and forces & MWFRS DL=1.60 plate grip in the plane of the truss d (normal to the face), nd Details as applicable (signer as per ANSI/TPI otherwise indicated. om chord bearing. one face or securely nt (i.e. diagonal web). on a 10.0 psf bottom 	 on the botto 3-06-00 tall chord and a 10) Provide mec bearing plat (s) 20, 12, 1 11) This truss is Internationa R802.10.2 a 12) This truss di structural we chord and 1 the bottom c bottom c chord and 1 the bottom c bottom c bottom c bottom c chord and 1 chord and 1 the bottom c chord and 1 the bottom c bottom c bottom c chord and 1 chord and 1 the bottom c chord and 1 the bottom c bottom c bottom c chord and 1 the bottom c th		s where ill fit betw n (by oth anding 3. dance w sections ndard AN a minim upplied d	a rectangle ween the botto iners) of truss t 100 lb uplift at vith the 2018 s R502.11.1 a NSI/TPI 1. num of 7/16" lirectly to the t	om to t joint and top					

Job	Truss	Truss Type	Qty	Ply	
Dale 05-23-107	B02	Common	1	1	Job Reference (optional)

Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Thu Jun 01 13:42:05 Page: 1 ID: ZNtRWiGvFU1?vOxDkX5RrzAfA4-7hhTU WifC Q8xzrRRSB51ghaoxyhmlShD7RNGzAeuH

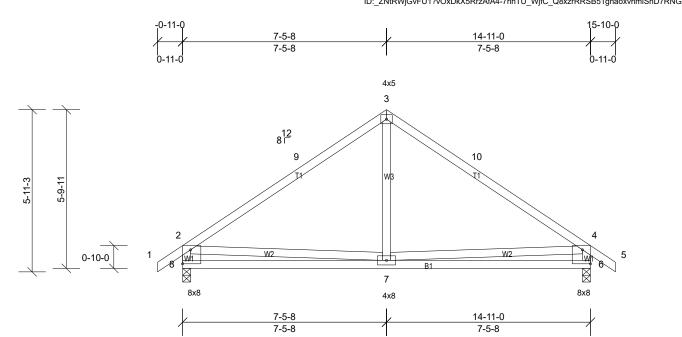


Plate Offsets (X, Y): [6:Edge,0-6-2], [8:Edge,0-6-2]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.54	Vert(LL)	-0.05	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.47	Vert(CT)	-0.10	7-8	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS							Weight: 82 lb	FT = 20%

structural wood sheathing be applied directly to the top

chord and 1/2" gypsum sheetrock be applied directly to

This truss design requires that a minimum of 7/16"

LUMBER

Scale = 1:42.1

- TOP CHORD 2x4 SP No.2
- BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.2 BRACING TOP CHORD Structural wood sheathing directly applied, except end verticals. BOT CHORD Rigid ceiling directly applied.

REACTIONS (lb/size) 6=649/0-3-8, (min. 0-1-8), 8=649/0-3-8, (min. 0-1-8) Max Horiz 8=125 (LC 11) Max Uplift 6=-68 (LC 12) FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-9=-652/76, 3-9=-508/100, 3-10=-508/100, 4-10=-652/76, 2-8=-583/140, 4-6=-583/140 BOT CHORD 7-8=-158/554, 6-7=-137/484 WEBS 3-7=0/314

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=28ft; B=45ft; L=24ft; eave=4ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -0-11-0 to 2-1-0, Interior (1) 2-1-0 to 7-5-8, Exterior(2R) 7-5-8 to 10-5-8, Interior (1) 10-5-8 to 15-10-0 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 68 lb uplift at joint 8 and 68 lb uplift at joint 6.
- 6) 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.

the bottom chord.

LOAD CASE(S) Standard

7)

Job	Truss	Truss Type	Qty	Ply	
Dale 05-23-107	B03	Common Girder	1	3	Job Reference (optional)

Scale = 1:42.4

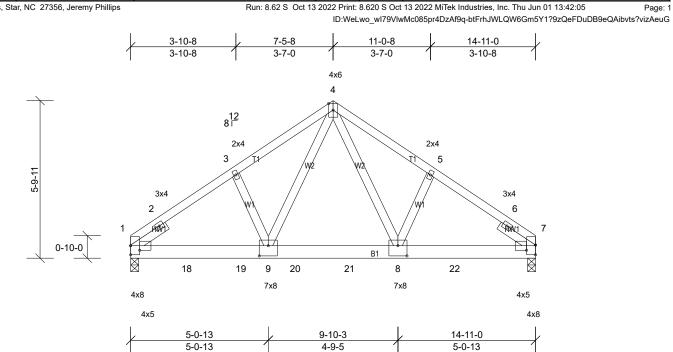


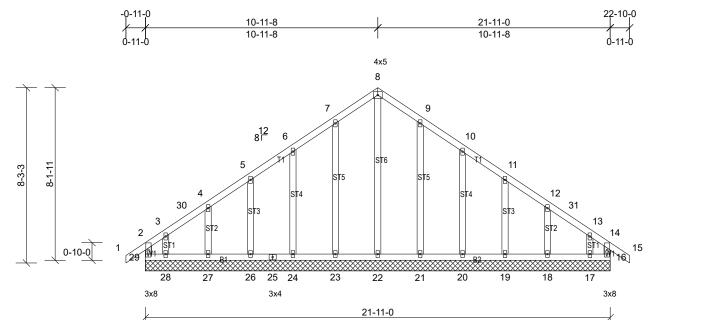
Plate Offsets (X, Y): [1:0-4-0,0-2-0], [7:0-4-0,0-2-5], [8:0-4-0,0-4-8], [9:0-4-0,0-4-8]

Loading TCLL (roof)	(psf) 20.0	Spacing Plate Grip DOL	2-0-0 1.00	CSI TC	0.42	DEFL Vert(LL)	in -0.08	(loc) 8-9	l/defl >999	L/d 240	PLATES MT20	GRIP 244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.95	Vert(CT)	-0.15	8-9	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.37	Horz(CT)	0.03	7	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MS							Weight: 275 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS SLIDER BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x6 SP No.2 2x4 SP No.2 Left 2x4 SP No.2 1-6-6 Structural wood sh 6-0-0 oc purlins. Rigid ceiling directl bracing. (lb/size) 1=5165/(7=5977/(Max Horiz 1=95 (LC Max Uplift 1=-170 (I	1-6-6, Right 2x4 SP No. eathing directly applied c y applied or 10-0-0 oc)-3-8, (min. 0-2-7),)-3-8, (min. 0-2-14)	 4) Wind: ASCE Vasd=99mpl B=45ft; L=22 Enclosed; M 2 exposed; er DOL=1.60 p 5) This truss ha chord live lo: on the bottor 3-06-00 tall t chord and ar 7) Provide mec bearing plate 1 and 193 lb 8) This truss is International 	7-16; Vult=125r r; TCDL=6.0psf; ft; eave=4ft; Ke WFRS (directial wFRS (directial to vertical left an ate grip DOL=1. Is been designe- ad nonconcurrer has been designe- do nonconcurrer no chord in all are by 2-00-00 wide hanical connect e capable of with uplift at joint 7. designed in acc Residential Coord	BCDL=6. =1.00; Catal; cantilk dright exp 60 d for a 10. tt with any ed for a live eas where will fit betw rs. ion (by oth standing ' ordance w de sections	Dipsf; h=28ft; II; Exp B; Ever left and posed; Lumb D psf bottom other live lo e load of 20 a rectangle veen the bol ers) of truss 70 lb uplift a ith the 2018 s R502.11.1	right eer ads. .0psf tom to at joint					2070
FORCES	(lb) - Max. Comp./M (lb) or less except v 1-2=-6050/131, 2-3 3-4=-7891/291, 4-5 5-6=-7948/249, 6-7 1-18=-158/6594, 9 20-21=-67/4726, 8- 8-22=-157/6498, 7	=-7985/250, =-7852/290, =-5432/129 3-19=-158/6594, 20=-67/4726, 21=-67/4726,	 Hanger(s) or provided suf lb down and up at 4-0-12 1771 lb dow 42 lb up at 11-11-4, and 	nd referenced st other connectic ficient to support 42 lb up at 2-0- 4, 1771 lb down a an and 42 lb up a 0-0-12, and 177 1773 lb down a d. The design/se	n device(s t concentra 12, 1771 l and 42 lb u t 8-0-12, ^ 71 lb down nd 40 lb u	b) shall be ated load(s) b down and up at 6-0-12 1771 lb down and 42 lb u p at 14-2-0	42 lb , n and p at on					
WEBS	4-8=-136/4583, 4-9		device(s) is t	he responsibility	of others							
NOTES			LOAD CASE(S)									
 3-ply truss nails as fol Top chords oc. Bottom cho staggered Web conne All loads a except if no CASE(S) s 	lows: s connected as follow ords connected as for at 0-4-0 oc. ected as follows: 2x4 re considered equall oted as front (F) or b	- 1 row at 0-9-0 oc. y applied to all plies, ack (B) face in the LOAD nnections have been	Plate Increa Uniform Lo: Vert: 1-4: Concentrat Vert: 8=- 20=-142		0-14=-20 18=-1421		.15,					

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

Job	Truss	Truss Type	Qty	Ply	
Dale 05-23-107	C01	Common Supported Gable	1	1	Job Reference (optional)

Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Thu Jun 01 13:42:05 Page: 1 ID:Oyelm_N8BqHMTCWJN4VldEzAf9E-btFrhJWLQW6Gm5Y1?9zQeFDzXBNhQDgbvts?vizAeuG



Scale = 1:54.3

Plate Offsets (X, Y): [16:0-1-11,0-0-4]

- 1410 0110010 ()	х, т.). [10:0-1-11,0-0-											
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.15 YES IRC2018/TPI2014	CSI TC BC WB Matrix-AS	0.08 0.05 0.18	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 16	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 141 lb	GRIP 244/190 FT = 20%
(lb) - l l	2x4 SP No.2 2x4 SP No.2 2x4 SP No.2 Structural wood she except end verticals Rigid ceiling directly All bearings 21-11-0. Max Horiz 29=-170 Max Uplift All uplift 1 16, 17, 18 27, 28, 29 Max Grav All reactio (s) 16, 17 24, 26, 27 (lb) - Max. Comp./M	v applied. (LC 10) 00 (Ib) or less at joint(s 3, 19, 20, 21, 23, 24, 26 ons 250 (Ib) or less at jo , 18, 19, 20, 21, 22, 23 7, 28, 29 lax. Ten All forces 250	on the botto 3-06-00 tall chord and a 10) Provide mec bearing plat (s) 29, 16, 2 11) This truss is International R802.10.2 a 12) This truss de structural we chord and 1, b, the bottom c LOAD CASE(S) pint		as where vill fit betw s. on (by oth standing 2 21, 20, 1 rdance w e sections indard AN t a minim applied d	a rectangle veen the bot ers) of truss 100 lb uplift a 9, 18, 17. ith the 2018 5 R502.11.1 i SI/TPI 1. um of 7/16" irectly to the	tom to at joint and top					
 design. 2) Wind: ASC Vasd=99m B=45ft; L=2 Enclosed; -0-11-0 to 2 (3R) 10-11. zone; canti and right e MWFRS fo grip DOL=² 3) Truss desi only. For s see Standa or consult (4) All plates a 5) Gable requ 6) Truss to be braced aga 7) Gable stud 8) This truss I 	E 7-16; Vult=125mpl ph; TCDL=6.0psf; BC 24ft; eave=2ft; Ke=1. MWFRS (directional) 2-1-0, Exterior(2N) 2- -8 to 13-11-8, Exterior ilever left and right ey exposed; C-C for mem or reactions shown; L 1.60 igned for wind loads studs exposed to wind ard Industry Gable Ei qualified building des are 2x4 MT20 unless uires continuous botto e fully sheathed from ainst lateral movement is spaced at 2-0-0 oc has been designed for	a been considered for t n (3-second gust) DDL=6.0psf; h=28ft; 00; Cat. II; Exp B; and C-C Corner(3E) 1-0 to 10-11-8, Corner rr(2N) 13-11-8 to 22-10 cposed; end vertical left bers and forces & umber DOL=1.60 plate in the plane of the truss d (normal to the face), nd Details as applicable igner as per ANSI/TPI otherwise indicated. om chord bearing. one face or securely t (i.e. diagonal web).	-0 ft s s, 1.									

Job	Truss	Truss Type	Qty	Ply	
Dale 05-23-107	C02	Common	16	1	Job Reference (optional)

Carolina Structural Systems, Star, NC 27356, Jeremy Phillips Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Thu Jun 01 13:42:06

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Page: 1

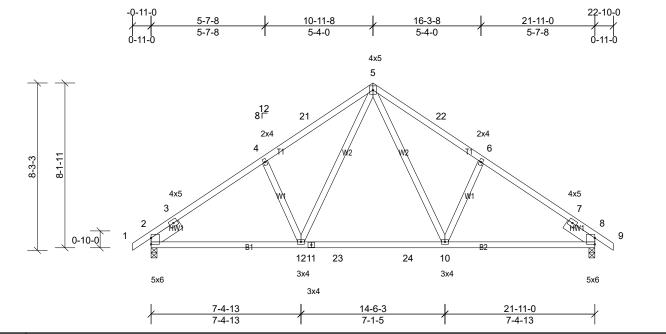


Plate Offsets (X, Y): [2:Edge,0-0-0], [8:Edge,0-0-0]

Scale = 1:56.9

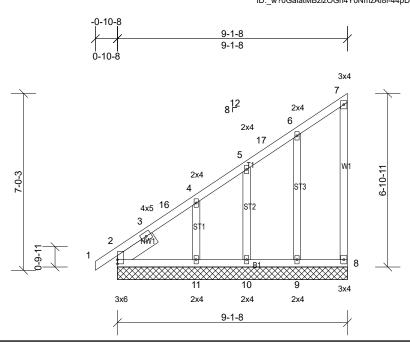
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.33	Vert(LL)		10-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.54	Vert(CT)		10-12	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.03	8	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS							Weight: 121 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS SLIDER BRACING TOP CHORD BOT CHORD REACTIONS	 2x4 SP No.2 2x4 SP No.3 Left 2x6 SP No.2 1-8-6 Structural wood sha Rigid ceiling directly (lb/size) 2=932/0- 8=932/0- Max Horiz 2=-151 (L Max Uplift 2=-81 (LC 	3-8, (min. 0-1-8), 3-8, (min. 0-1-8) .C 10)	bearing plate 2 and 81 lb 6) This truss is .2 International R802.10.2 a 7) This truss de structural we chord and 1, the bottom c LOAD CASE(S)		tanding & rdance w sections ndard AN a minim applied d	31 lb uplift at ith the 2018 s R502.11.1 ISI/TPI 1. um of 7/16" irectly to the	joint and top					
FORCES TOP CHORD BOT CHORD WEBS	(lb) or less except v 2-3=-596/0, 3-4=-12 5-21=-1082/171, 5- 6-22=-1157/151, 6- 2-12=-57/1071, 11- 23-24=0/740, 10-24	236/111, 4-21=-1157/15 ⁻	1,)									
NOTES	4-12-203/130											
1) Unbalanc	ed roof live loads hav	e been considered for th	nis									
Vasd=99r B=45ft; L: Enclosed -0-11-0 to (2R) 10-1 zone; car and right	22-1-0, Interior (1) 2-1 1-8 to 13-11-8, Interio ntilever left and right ex exposed;C-C for merr for reactions shown; L =1.60	CDL=6.0psf; h=28ft; 00; Cat. II; Exp B;) and C-C Exterior(2E) -0 to 10-11-8, Exterior r (1) 13-11-8 to 22-10-0 (posed ; end vertical lef	t									

3) This truss has been designed for a 10.0 psf bottom

chord live load nonconcurrent with any other live loads. * This truss has been designed for a live load of 20.0psf 4) on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

Job	Truss	Truss Type	Qty	Ply	
Dale 05-23-107	P01	Monopitch Supported Gable	2	1	Job Reference (optional)

Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Thu Jun 01 13:42:06 Page: 1 ID:_w?0GalatMBzizOGh4Y0NmzAf8I-44pDvfXzBpE7OF6DYsVfASI5Tbhu9gVk8XcYS9zAeuF



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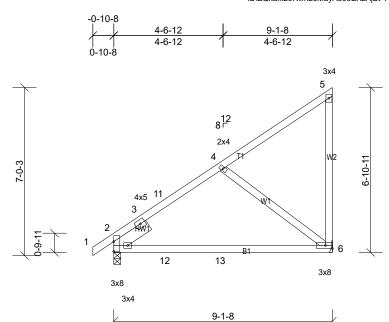
Plate Offsets (X, Y): [2:Edge,0-0-0]

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.15 YES IRC2018/TPI2014	CSI TC BC WB Matrix-AS	0.26 0.18 0.08	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 2	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 61 lb	GRIP 244/190 FT = 20%
	2x4 SP No.2 2x4 SP No.2 2x4 SP No.2 Left 2x6 SP No.2 Structural wood she except end verticals Rigid ceiling directly All bearings 9-1-8. Max Horiz 2=219 (Lt Max Uplift All uplift 1 8, 9, 10, 7 Max Grav All reaction	eathing directly applied, s. y applied. C 11), 12=219 (LC 11) l00 (lb) or less at joint(s	bearing plat (s) 8, 9, 10, 8) This truss is Internationa R802.10.2 <i>a</i> 9) This truss d structural w chord and 1 the bottom <i>c</i> LOAD CASE(S)	designed in acc I Residential Cou and referenced s esign requires the bood sheathing be /2" gypsum sheet chord.	nstanding 1 cordance w de sections tandard AN nat a minim e applied d	00 lb uplift a ith the 2018 is R502.11.1 a ISI/TPI 1. um of 7/16" irectly to the	t joint and top					
FORCES	(lb) - Max. Comp./M (lb) or less except w	lax. Ten All forces 250 /hen shown.)									
TOP CHORD NOTES	3-16=-437/278, 4-10	6=-431/300, 4-5=-294/2	208									
 Wind: AS(Vasd=99n B=45ft; L= Enclosed; -0-10-8 to cantilever right expo for reactic DOL=1.60 	sed;C-C for members ons shown; Lumber D()	CDL=6.0psf; h=26ft; 00; Cat. II; Exp B; and C-C Corner(3E) -1-8 to 8-11-12 zone; d; end vertical left and and forces & MWFRS DL=1.60 plate grip										
only. For see Stand	studs exposed to wine lard Industry Gable Er	in the plane of the truss d (normal to the face), nd Details as applicable signer as per ANSI/TPI) ,									

- per ANSI/TPI 1. onsuit qu ea builaing c 3) Gable requires continuous bottom chord bearing.
- 4)́ Gable studs spaced at 2-0-0 oc.
- 5)
- 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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom 6) chord and any other members.

Job	Truss	Truss Type	Qty	Ply	
Dale 05-23-107	P02	Jack-Closed	4	1	Job Reference (optional)

Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Thu Jun 01 13:42:07 Page: 1 ID:ZQxafx20Rwn25MayA800EXzAjBt-YGNc6?Yby7M_?PhQ6a0ujgIBj?xPu6TuNBL5_bzAeuE



Scale = 1:48.1

											-	
Loading TCLL (roof)	(psf) 20.0	Spacing Plate Grip DOL	2-0-0 1.00	CSI TC	0.55	DEFL Vert(LL)	in 0.29	(loc) 6-9	l/defl >374	L/d 240	PLATES MT20	GRIP 244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.55	Vert(CT)	-0.28	6-9	>386	180	WI 20	244/130
BCLL	0.0*	Rep Stress Incr	YES	WB	0.16	Horz(CT)	-0.02	2	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS							Weight: 53 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS SLIDER BRACING TOP CHORD	2x4 SP No.2 Left 2x6 SP No.2 Structural wood she	eathing directly applied,	structural we chord and 1, the bottom of LOAD CASE(S)		applied d	irectly to the						
BOT CHORD	except end verticals. ORD Rigid ceiling directly applied.											
REACTIONS	(Ib/size) 2=414/0- Mechanic Max Horiz 2=219 (L Max Uplift 2=-119 (L	 3-8, (min. 0-1-8), 6=357 cal, (min. 0-1-8) C 11) .C 12), 6=-142 (LC 9)										
FORCES TOP CHORD BOT CHORD WEBS	(lb) or less except when shown. CHORD 2-3=-778/903, 3-11=-296/147 CHORD 2-12=-339/273, 12-13=-339/273, 6-13=-339/273											
NOTES												
Vasd=99m B=45ft; L= Enclosed; -0-10-8 to cantilever right expo members Lumber D	2-1-8, Interior (1) 2-1 left and right exposed sed; porch left and rig and forces & MWFRS OL=1.60 plate grip D	CDL=6.0psf; h=28ft; 00; Cat. II; Exp B; and C-C Exterior(2E) -8 to 8-11-12 zone; d; end vertical left and ht exposed;C-C for 6 for reactions shown; DL=1.60										
	has been designed for	or a 10.0 pst bottom vith any other live loads										
 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members. 4) Refer to girder(s) for truss to truss connections. 												
5) Provide m bearing pl 2 and 142	Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 119 lb uplift at joint 2 and 142 lb uplift at joint 6.											
Ínternatior	and 142 ib uplift at joint 6. his truss is designed in accordance with the 2018 ternational Residential Code sections R502.11.1 and 802.10.2 and referenced standard ANSI/TPI 1.											

Job	Truss	Truss Type	Qty	Ply	
Dale 05-23-107	PB01	Piggyback	2	1	Job Reference (optional)

Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Thu Jun 01 13:42:07 Page: 1 ID:sy?WY8DWX7trOxsmnHN?UNzAh0D-YGNc6?Yby7M ?PhQ6a0ujgIJU?30u8ruNBL5 bzAeuE

0-8

4

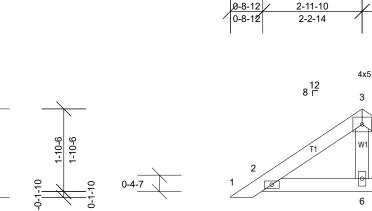
a

2x4

5

5-2-8

2-2-14







2x4

B1

Scale = 1:26

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.01	Horz(CT)	n/a	-	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS							Weight: 19 lb	FT = 20%

2x4

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied. BOT CHORD Rigid ceiling directly applied.

2-0-0

REACTIONS All bearings 4-5-12.

- (lb) Max Horiz 2=35 (LC 11), 7=35 (LC 11) Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4, 7, 11 Max Grav All reactions 250 (lb) or less at joint
 - (s) 2, 4, 6, 7, 11
- FORCES (lb) Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.

NOTES

- Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=28ft; B=45ft; L=24ft; eave=4ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Gable requires continuous bottom chord bearing.
- 5) Gable 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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 2, 4, 2, 4.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

 See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
Dale 05-23-107	PB02		32	1	Job Reference (optional)

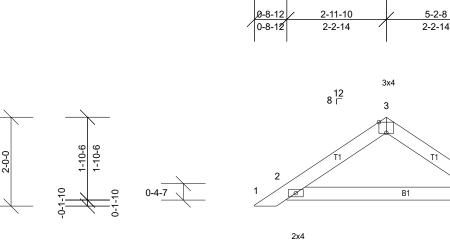
Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Thu Jun 01 13:42:08 Page: 1 ID:88jIT1fbvUd8Q6VzjhZImAzAh2E-YGNc6?Yby7M_?PhQ6a0ujgIIZ?24u8_uNBL5_bzAeuE

4

a

2x4

4-5-12



Scale = 1:25.9

Plate Offsets (X, Y): [3:0-2-0,Edge]

											i	
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.11	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS							Weight: 17 lb	FT = 20%

structural wood sheathing be applied directly to the top

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied. BOT CHORD Rigid ceiling directly applied.

REACTIONS All bearings 4-5-12.

- (lb) Max Horiz 2=-35 (LC 10), 6=-35 (LC 10) Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4, 6, 10 Max Grav All reactions 250 (lb) or less at joint
 - (b) Max. Comp./Max. Ten. All forces 250 (b) - Max. Comp./Max. Ten. - All forces 250
- FORCES (Ib) Max. Comp./Max. Ten. All forc (Ib) or less except when shown.

NOTES

- Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=28ft; B=45ft; L=24ft; eave=4ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
 Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- 6) This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads. 7) * This truss has been designed for a live load of 20.0psf
- on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 2, 4, 2, 4.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

10) This truss design requires that a minimum of 7/16"

- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or
- consult qualified building designer. LOAD CASE(S) Standard

OAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
Dale 05-23-107	PB03	Piggyback	2	3	Job Reference (optional)

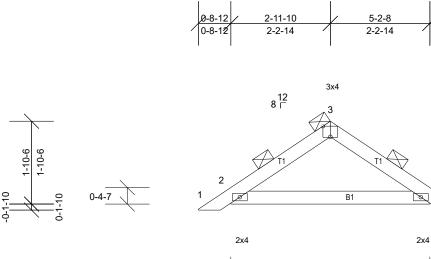
2-0-0

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0-8-12

4 5

4-5-12



Scale = 1:25.9

Plate Offsets (X, Y): [3:0-2-0,Edge]

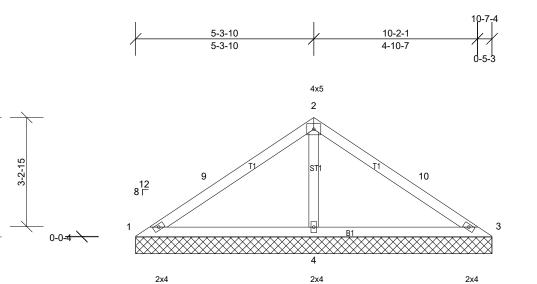
Loading TCLL (roof) TCDL	(psf) 20.0 10.0	Spacing Plate Grip DOL Lumber DOL	3-9-4 1.00 1.15	CSI TC BC	0.08 0.09	DEFL Vert(LL) Vert(CT)	in n/a n/a	(loc) - -	l/defl n/a n/a	L/d 999 999	PLATES MT20	GRIP 244/190
BCLL BCDL	0.0* 10.0	Rep Stress Incr Code	NO IRC2018/TPI2014	WB Matrix-MP	0.00	Horz(CT)	n/a	-	n/a	n/a	Weight: 52 lb	FT = 20%
OT CHORD RACING OP CHORD OT CHORD EACTIONS	Rigid ceiling directl bracing. All bearings 4-5-12. Max Horiz 2=-65 (LC Max Uplift All uplift 2, 4, 6, 1 Max Grav All reactin	100 (lb) or less at joint(s)	 8) This truss his chord live lo 9) * This truss on the botto 3-06-00 tall chord and a 10) Provide mean bearing plate (s) 2, 4, 2, 4 11) This truss is on the theorem and a R802.10.2 a result and the result of the result	designed in accord Residential Code nd referenced sta	for a 10. with any d for a liv as where ill fit betv n (by oth tanding rdance w sections ndard AN ack Trus	other live load e load of 20.0 a rectangle ween the both uers) of truss to 100 lb uplift at ith the 2018 s R502.11.1 a VSI/TPI 1. s Connection	Dpsf om joint nd					
ORCES	1), 6=394 (LC 1), 10=407 (LC 1) consult qualified building designer.											
	(b) or less except when shown.											
OP CHORD	2-3=-268/119, 3-4=	-270/116	LOAD CASE(S)									
 3-ply truss Top chord follows: 22 Bottom ch follows: 22 All loads a 	x4 - 1 row at 0-9-0 oc are considered equall	(0.131"x3") nails as 10d (0.131"x3") nails as y applied to all plies,										
CASE(S) provided t unless oth	section. Ply to ply cor to distribute only loads nerwise indicated.	s noted as (F) or (B),										
b) Unbalance design.	ed roof live loads hav	e been considered for th	lis									
 Wind: ASC Vasd=99n B=45ft; L= Enclosed; zone; can and right e MWFRS f 	tilever left and right e exposed;C-C for mem for reactions shown; L	CDL=6.0psf; h=28ft; .00; Cat. II; Exp B;) and C-C Exterior(2E) xposed ; end vertical left	L.									
,	signed for wind loads	in the plane of the truss d (normal to the face),										

- 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.
 6) Gable requires continuous bottom chord bearing.

Job	Truss	Truss Type	Qty	Ply	
Dale 05-23-107	V01	Valley	1	1	Job Reference (optional)

3-6-11

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10-7-4

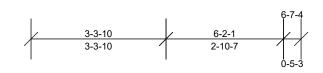


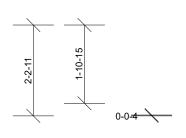
Scale = 1:34.3											
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.15 YES IRC2018/TPI2014	CSI TC 0.1 BC 0.1 WB 0.1 Matrix-AS	5 Vert(TL)	in n/a n/a 0.00	(loc) - - 3	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 38 lb	GRIP 244/190 FT = 20%
	2x4 SP No.2 2x4 SP No.2 2x4 SP No.2 Structural wood sh Rigid ceiling direct (lb/size) 1=35/10 3=35/10 4=778/1 Max Horiz 1=64 (LC Max Uplift 1=-27 (L 4=-73 (L Max Grav 1=79 (LC (LC 1) (lb) - Max. Comp./) (lb) or less except	7-4, (min. 0-1-8), -7-4, (min. 0-1-8), 0-7-4, (min. 0-1-8) C 11) C 24), 3=-27 (LC 23), C 12) C 23), 3=79 (LC 24), 4=7 Max. Ten All forces 250	bearing plat 1, 27 lb uplif 9) This truss is Internationa R802.10.2 a 10) This truss do structural we chord and 1 the bottom c LOAD CASE(S)		g 27 lb uplift at ift at joint 4. with the 2018 ons R502.11.1 ANSI/TPI 1. himum of 7/16" d directly to the	t joint and e top					
NOTES 1) Unbalance design.	ed roof live loads hav	ve been considered for th	nis								

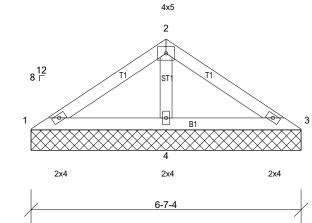
- 2) Wind: ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=28ft; B=45ft; L=24ft; eave=4ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-0-6 to 3-0-6, Interior (1) 3-0-6 to 5-4-0, Exterior(2R) 5-4-0 to 8-4-0, Interior (1) 8-4-0 to 10-7-10 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind hormal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc. 5)
- This truss has been designed for a 10.0 psf bottom 6)
- chord live load nonconcurrent with any other live loads.
 This truss has been designed for a live load of 20.0psf 7)
- on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

Job	Truss	Truss Type	Qty	Ply	
Dale 05-23-107	V02	Valley	1	1	Job Reference (optional)

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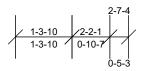


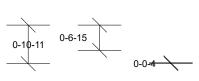
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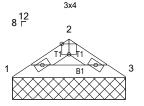
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	тс	0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.04	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS							Weight: 22 lb	FT = 20%
OTHERS 2x4 BRACING TOP CHORD Stru	SP No.2 SP No.2	eathing directly applied	structural wo chord and 1/ the bottom c LOAD CASE(S)		applied d	irectly to the						
REACTIONS (Ib/siz Max H Max U	ze) 1=49/6-7 3=49/6-7 4=431/6- Horiz 1=-39 (L0 Uplift 4=-36 (L0	-4, (min. 0-1-8), -4, (min. 0-1-8), 7-4, (min. 0-1-8) C 10)	-431									
FORCES (lb) -	. ,	lax. Ten All forces 2	50									
	or less except v											
	-295/139											
NOTES												
1) Unbalanced roo	f live loads hav	e been considered for	this									
design.												
B=45ft; L=24ft; e Enclosed; MWF 0-0-6 to 3-0-6, Ir 3-4-0 to 6-4-0, Ir cantilever left an right exposed;C- for reactions sho DOL=1.60	CDL=6.0psf; B(eave=4ft; Ke=1 RS (directional nterior (1) 3-0-6 nterior (1) 6-4-0 nd right exposed -C for members pown; Lumber D	CDL=6.0psf; h=28ft; .00; Cat. II; Exp B;) and C-C Exterior(2E; to 3-4-0, Exterior(2R) to 6-7-10 zone; d; end vertical left and s and forces & MWFR: OL=1.60 plate grip	I									
 Gable requires of This truss has be 												
		vith any other live load	s.									
on the bottom ch 3-06-00 tall by 2 chord and any o	hord in all areas 2-00-00 wide wil other members.	for a live load of 20.0 s where a rectangle I fit between the botto (by others) of truss to	m									
		anding 36 lb uplift at jo										
7) This truss is des International Re	sidential Code	lance with the 2018 sections R502.11.1 ar dard ANSI/TPI 1.	d									

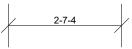
Job	Truss	Truss Type	Qty	Ply	
Dale 05-23-107	V03	Valley	1	1	Job Reference (optional)

Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Thu Jun 01 13:42:09 Page: 1 ID:ZGDANIu2cYF1g2Sd1gnN?ozAf9s-UfVMXhZsUkciFjroE_2Mo5Nf9pIUM2TBqVqC3TzAeuC









2

Scale = 1:26.5

Plate Offsets (X,	Y): [2:0-2-0,Edge]
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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.04	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MP							Weight: 7 lb	FT = 20%

LUMBER

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

BRACIN	C

TOP CHORD	Structural wood sheathing directly applied or
	2-7-4 oc purlins.

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

REACTIONS (lb/size) 1=104/2-7-4, (min. 0-1-8), 3=104/2-7-4, (min. 0-1-8) Max Horiz 1=-14 (LC 10) Max Uplift 1=-6 (LC 12), 3=-6 (LC 12)

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

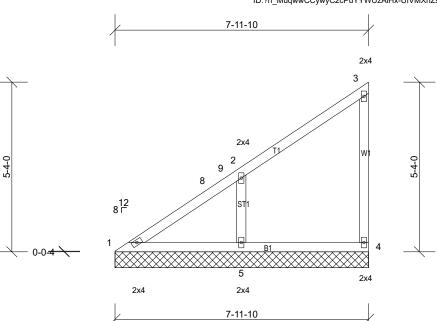
NOTES

- Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=28ft; B=45ft; L=24ft; eave=4ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Gable requires continuous bottom chord bearing.
- 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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 6 lb uplift at joint 1 and 6 lb uplift at joint 3.
- 7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
Dale 05-23-107	V04	Valley	2	1	Job Reference (optional)

Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Thu Jun 01 13:42:09 Page: 1 ID:?n_MuqwwCCywyC2cPuYYWUzAiHx-UfVMXhZsUkciFjroE_2Mo5NcLpjDM2sBqVqC3TzAeuC



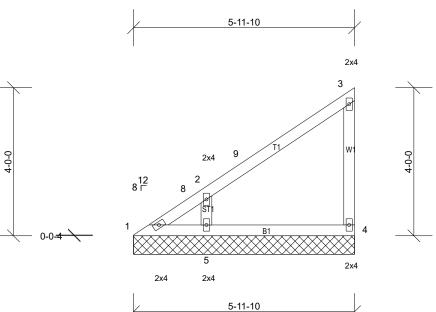
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Loading TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.15 YES IRC2018/TPI2014	CSI TC BC WB Matrix-AS	0.22 0.14 0.04	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 4	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 35 lb	GRIP 244/190 FT = 20%
BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD	except end vertical Rigid ceiling direct	y applied.	R802.10.2 a 9) This truss de structural we chord and 1, the bottom c	l Residential Co nd referenced s esign requires th bod sheathing b /2" gypsum she shord.	ode sections standard AN hat a minim be applied d	R502.11.1 a SI/TPI 1. um of 7/16" rectly to the	top					
REACTIONS	4=115/7- 5=390/7- Max Horiz 1=167 (L Max Uplift 4=-30 (L0 Max Grav 1=142 (L 5=391 (L	C 9), 5=-77 (LC 12) C 18), 4=125 (LC 17), C 17)										
Vasd=99n B=45ft; L= Enclosed; 0-0-6 to 3 cantilever right expo for reactio	(lb) or less except v 1-8=-267/169 2-5=-278/205 CE 7-16; Vult=125mp nph; TCDL=6.0psf; Br =24ft; eave=4ft; Ke=1 MWFRS (directional -0-6, Interior (1) 3-0-6 left and right expose sed;C-C for members ns shown; Lumber D	h (3-second gust) CDL=6.0psf; h=28ft; .00; Cat. II; Exp B;) and C-C Exterior(2E) to 7-10-4 zone; d ; end vertical left and s and forces & MWFRS										
 only. For see Stand or consult 3) Gable req 4) Gable sture 5) This truss chord live 6) * This truss on the bold 3-06-00 ta chord and 7) Provide m bearing pl 	signed for wind loads studs exposed to win lard Industry Gable E qualified building des uires continuous bott ds spaced at 4-0-0 oc has been designed f load nonconcurrent v is has been designed tom chord in all areas all by 2-00-00 wide wi any other members.	c. or a 10.0 psf bottom vith any other live loads for a live load of 20.0ps	e, 1. s. sf									

Job	Truss	Truss Type	Qty	Ply	
Dale 05-23-107	V05	Valley	2	1	Job Reference (optional)

Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Thu Jun 01 13:42:09

Page: 1 ID:?n_MuqwwCCywyC2cPuYYWUzAiHx-UfVMXhZsUkciFjroE_2Mo5NdypkYM2sBqVqC3TzAeuC

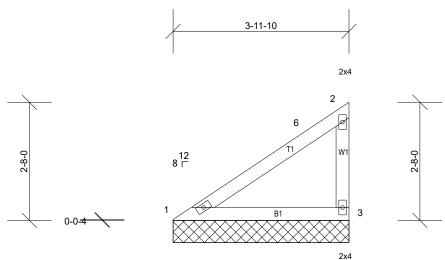


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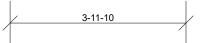
Loading TCLL (roof)	(psf) 20.0	Spacing Plate Grip DOL	2-0-0 1.00	CSI TC	0.18	DEFL Vert(LL)	in n/a	(loc)	l/defl n/a	L/d 999	PLATES MT20	GRIP 244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.10	Vert(TL)	n/a	-	n/a	999	101120	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.04	Horiz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS							Weight: 25 lb	FT = 20%
WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.2 2x4 SP No.2 Structural wood sh except end vertica Rigid ceiling direct (lb/size) 1=23/5- 4=126/5 5=317/5 Max Horiz 1=122 (I Max Uplift 1=-14 (LC 12)	ly applied. 1-10, (min. 0-1-8), -11-10, (min. 0-1-8), -11-10, (min. 0-1-8)	bearing plate 4, 14 lb uplif 8) This truss is International R802.10.2 a 9) This truss de structural we chord and 1, the bottom of LOAD CASE(S)		standing 2 0 lb uplift a ordance w le sections andard Al at a minim applied d	23 lb uplift at at joint 5. ith the 2018 s R502.11.1 ISI/TPI 1. um of 7/16" irectly to the	joint and top					
Vasd=99m B=45ft; L= Enclosed; 0-0-6 to 3- cantilever right expo- for reactio DOL=1.60 2) Truss des only. For see Stand or consult 3) Gable req 4) Gable stud 5) This truss chord live 6) * This truss on the bot 3-06-00 ta	(b) or less except 1-8=-264/172, 2-8: 2-5=-252/239 CE 7-16; Vult=125m; ph; TCDL=6.0psf; E 24ft; eave=4ft; Ke=' MWFRS (directiona 0-6, Interior (1) 3-0- left and right expose sed;C-C for member ns shown; Lumber D igned for wind loads studs exposed to wind ard Industry Gable E qualified building de uires continuous bot ds spaced at 4-0-0 o has been designed load nonconcurrent s has been designed tom chord in all area	258/177 bh (3-second gust) CDL=6.0psf; h=28ft; .00; Cat. II; Exp B; I) and C-C Exterior(2E) 5 to 5-10-4 zone; d; end vertical left and s and forces & MWFRS IOL=1.60 plate grip in the plane of the truss id (normal to the face), ind Details as applicable signer as per ANSI/TPI tom chord bearing. c. for a 10.0 psf bottom with any other live loads f for a live load of 20.0p s where a rectangle ill fit between the botton	5 9, 1. 5. Sf									

Job	Truss	Truss Type	Qty	Ply	
Dale 05-23-107	V06	Valley	2	1	Job Reference (optional)

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2x4



Scale = 1:26

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	тс	0.19	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.20	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MP							Weight: 15 lb	FT = 20%

LUMBER

LUMBER		
TOP CHORD	2x4 SP N	o.2
BOT CHORD	2x4 SP N	o.2
WEBS	2x4 SP N	0.2
BRACING		
TOP CHORD	Structura	I wood sheathing directly applied or
	3-11-10 c	oc purlins, except end verticals.
BOT CHORD	Rigid ceil	ing directly applied or 10-0-0 oc
	bracing.	
REACTIONS	(lb/size)	1=153/3-11-10, (min. 0-1-8),
	(3=153/3-11-10, (min. 0-1-8)
		0 100/0 11 10, (illin: 0-1-0)

	Max Horiz 1=78 (LC 9)
	Max Uplift 1=-4 (LC 12), 3=-16 (LC 9)
	Max Grav 1=153 (LC 1), 3=157 (LC 17)
FORCES	(lb) - Max. Comp./Max. Ten All forces 250
	(lb) or less except when shown.

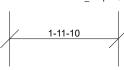
NOTES

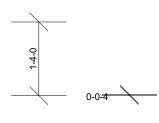
- Wind: ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=28ft; B=45ft; L=24ft; eave=4ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-0-6 to 3-0-6, Interior (1) 3-0-6 to 3-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Gable requires continuous bottom chord bearing.
- 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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- chord and any other members.5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 16 lb uplift at joint 3 and 4 lb uplift at joint 1.
- 6) 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.

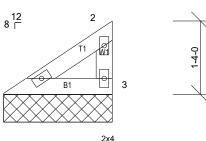
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
Dale 05-23-107	V07	Valley	2	1	Job Reference (optional)

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2x4



2x4

Scale = 1:20.9

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.03	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MP							Weight: 7 lb	FT = 20%

1

LUMBER

LUMBER		
TOP CHORD	2x4 SP N	o.2
BOT CHORD	2x4 SP N	o.2
WEBS	2x4 SP N	o.2
BRACING		
TOP CHORD	Structural	wood sheathing directly applied or
	2-0-0 oc p	ourlins, except end verticals.
BOT CHORD	Rigid ceili	ng directly applied or 10-0-0 oc
	bracing.	
REACTIONS	(lb/size)	1=73/1-11-10, (min. 0-1-8),
		3=73/1-11-10, (min. 0-1-8)
	Max Horiz	1=33 (LC 9)
	Max Uplift	1=-2 (LC 12), 3=-7 (LC 12)
	Max Grav	1=73 (LC 1), 3=74 (LC 17)
FORCES	(lb) - Max	Comp./Max. Ten All forces 250
	()	s except when shown.

NOTES

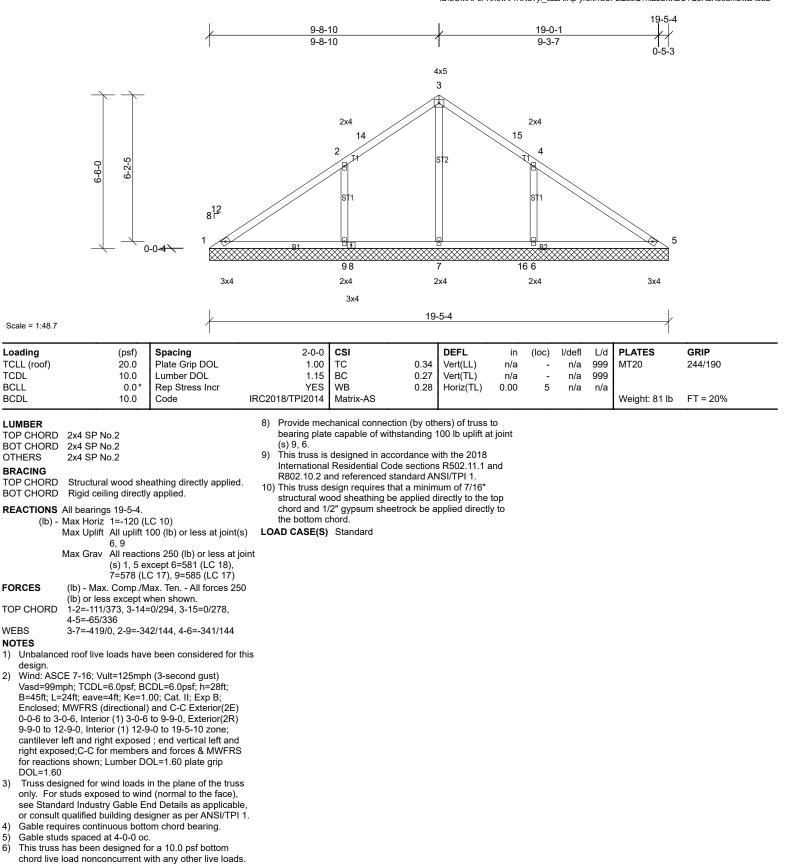
- Wind: ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=28ft; B=45ft; L=24ft; eave=4ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Gable requires continuous bottom chord bearing.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 4) * This truss has been designed for a live load of 20.0psf
- This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2 lb uplift at joint 1 and 7 lb uplift at joint 3.
- 6) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply		
Dale 05-23-107	V08	Valley	1	1	Job Reference (optional)	
Carolina Structural Systems, Sta	ar, NC 27356, Jeremy Phillips	Run: 8.62 S Oct 13	3 2022 Print:	8.620 S Oct	13 2022 MiTek Industries, Inc. Thu Jun 01 13:42:10	Page: 1

Carolina Structural Systems, Star, NC 27356, Jeremy Phillips Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Thu Jun 01 13:42:10

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7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

1)

2)

3)

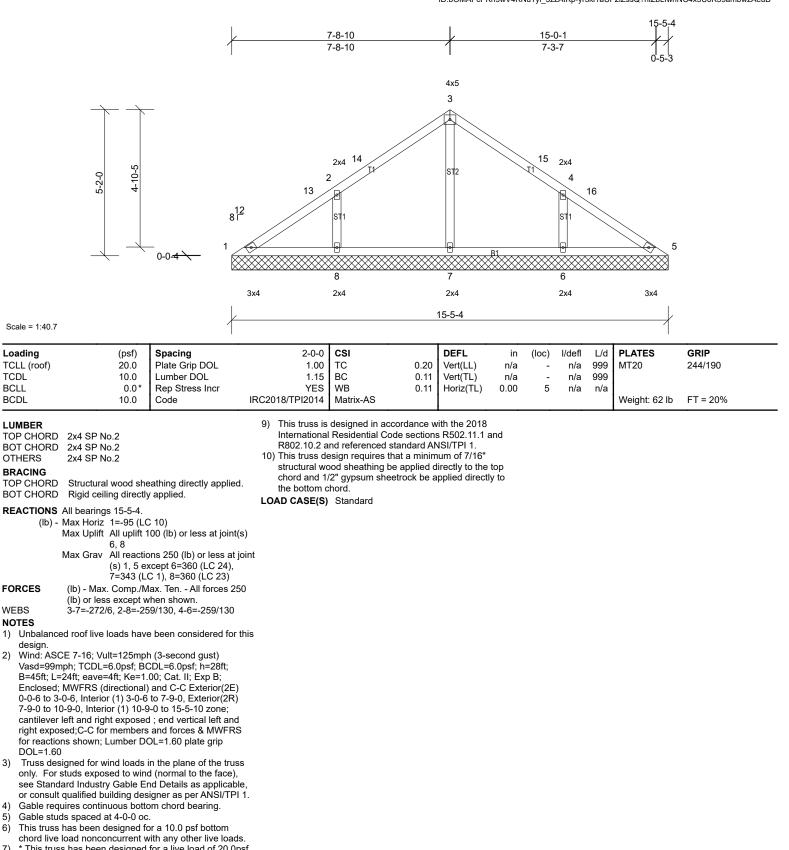
4)

5) 6)

Job	Truss	Truss Type	Qty	Ply			
Dale 05-23-107	V09	Valley	1	1	Job Reference (optional)		
Carolina Structural Systems, Sta	ar, NC 27356, Jeremy Phillips	Run: 8.62 S Oct 13	Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Thu Jun 01 13:42:10				

Carolina Structural Systems, Star, NC 27356, Jeremy Phillips Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Thu Jun 01 13:42:10

ID:bOMAFcPKh9wV4KNuTyi_5zzAfKp-yr3kI1aUF2lZssQ?niZbLlwnNC4x5U0K39ambwzAeuB



7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

TCDL

BCLL

BCDL

2)

3)

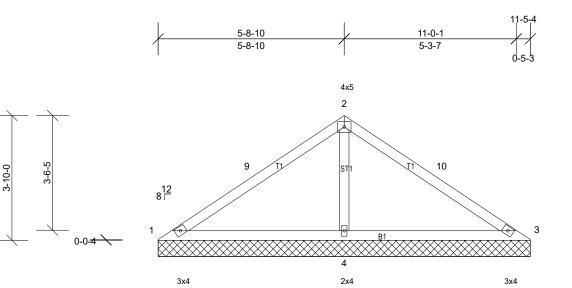
4) 5)

6)

Provide mechanical connection (by others) of truss to 8) bearing plate capable of withstanding 100 lb uplift at joint (s) 8, 6.

Job	Truss	Truss Type	Qty	Ply	
Dale 05-23-107	V10	Valley	1	1	Job Reference (optional)

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11-5-4

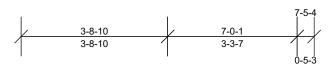


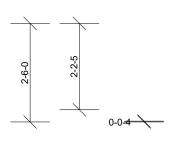
			X			1101						
Scale = 1:35.4												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.34	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.29	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.16	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS							Weight: 41 lb	FT = 20%
	Rigid ceiling directly (Ib/size) 1=26/11-5 3=26/11-5 4=863/11 Max Horiz 1=70 (LC Max Uplift 1=-38 (LC 4=-84 (LC	5-4, (min. 0-1-8), 5-4, (min. 0-1-8), -5-4, (min. 0-1-8) : 11) C 24), 3=-38 (LC 23),	 3-06-00 tall chord and a 8) Provide mee bearing plat 1, 38 lb uplif 9) This truss is Internationa R802.10.2 a 10) This truss do structural we chord and 1. the bottom of 	m chord in all a by 2-00-00 wide ny other memb- chanical connect e capable of wit it at joint 3 and a designed in ac I Residential Cc and referenced s esign requires tt ood sheathing b /2" gypsum she chord.	reas where e will fit betw ers. ttion (by oth thstanding 3 84 lb uplift a cordance w ode sections standard At hat a minim pe applied d	a rectangle ween the bott ares) of truss 88 lb uplift at at joint 4. it the 2018 s R502.11.1 a SI/TPI 1. uum of 7/16" irectly to the	to joint and top					
ORCES		1ax. Ten All forces 25	0									
	(lb) or less except w		00									
TOP CHORD	3-10=-158/314	-147/406, 2-10=-143/4	06,									
BOT CHORD		-266/222										
WEBS	2-4=-682/346	200/222										
NOTES												
1) Unbalanc	ed roof live loads have	e been considered for	this									
design. 2) Wind: AS0 Vasd=99r B=45ft; L= Enclosed; 0-0-6 to 3 5-9-0 to 8 cantilever right expo	CE 7-16; Vult=125mpl mph; TCDL=6.0psf; BC =24ft; eave=2ft; Ke=1. ; MWFRS (directional) -0-6, Exterior(2N) 8-9. -9-0, Exterior(2N) 8-9. left and right exposed used;C-C for members ons shown; Lumber DC	h (3-second gust) CDL=6.0psf; h=28ft; .00; Cat. II; Exp B;) and C-C Corner(3E) -6 to 5-9-0, Corner(3R -0 to 11-5-10 zone; d; end vertical left and and forces & MWFRS)									
only. For	studs exposed to wine	in the plane of the trus d (normal to the face), nd Details as applicabl										

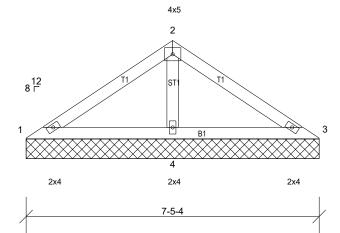
- or consult qualified building designer as per ANSI/TPI 1. Gable requires continuous bottom chord bearing. Gable studs spaced at 4-0-0 oc. 4)
- 5) 6) This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads.

Job	Truss	Truss Type	Qty	Ply	
Dale 05-23-107	V11	Valley	1	1	Job Reference (optional)

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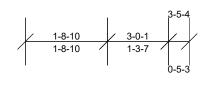
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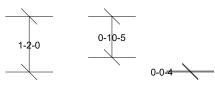
Scale = 1:29.2												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.16	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL BCLL	10.0 0.0*	Lumber DOL Rep Stress Incr	1.15 YES	BC WB	0.16 0.05	Vert(TL) Horiz(TL)	n/a 0.00	- 3	n/a n/a	999 n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS	0.00	110112(112)	0.00	5	n/a	n/a	Weight: 26 lb	FT = 20%
OTHERS 2x4 BRACING TOP CHORD Stru BOT CHORD Rigi REACTIONS (lb/siz	SP No.2 SP No.2 d ceiling directl ze) 1=44/7-5 3=44/7-5 4=507/7- Horiz 1=-44 (L0	-4, (min. 0-1-8), -4, (min. 0-1-8), 5-4, (min. 0-1-8)	chord and 1 the bottom o LOAD CASE(S)	ood sheathing b /2" gypsum she chord.	be applied d	irectly to the f						
Max	(LC 12) Grav 1=70 (LC (LC 1)	23), 3=70 (LC 24), 4=	507									
()	 Max. Comp./M or less except v 	lax. Ten All forces 25 vhen shown.	0									
	-360/161											
NOTES	flive leads have	a been considered for	this									
design.	i live loads hav	e been considered for	unis									
Vasd=99mph; T B=45ft; L=24ft; Enclosed; MWF 0-0-6 to 3-0-6, I 3-9-0 to 6-6-7, I cantilever left ar right exposed;C	2) Wind: ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=28ft; B=45ft; L=24ft; eave=4ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-0-6 to 3-0-6, Interior (1) 3-0-6 to 3-9-0, Exterior(2R) 3-9-0 to 6-6-7, Interior (1) 6-6-7 to 7-5-10 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip											
 Gable requires This truss has b 		om chord bearing. or a 10.0 psf bottom										
		vith any other live loads	5.									
on the bottom c 3-06-00 tall by 2	 * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members. 											
bearing plate ca 4 lb uplift at join	 Frovide mechanical connection (by others) of truss to bearing plate capable of withstanding 4 lb uplift at joint 1, 4 lb uplift at joint 3 and 46 lb uplift at joint 4. 											
International Re	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.											

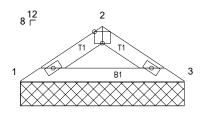
Job	Truss	Truss Type	Qty	Ply	
Dale 05-23-107	V12	Valley	1	1	Job Reference (optional)

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 Page: 1

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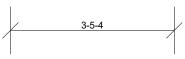






3x4

2x4



2x4

Scale = 1:24.2

Plate Offsets (X, Y): [2:0-2-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MP							Weight: 10 lb	FT = 20%

LUMBER

BRACING

TOP CHORD	Structural wood sheathing directly applied or
	3-5-4 oc purlins.

- BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
- REACTIONS (lb/size) 1=138/3-5-4, (min. 0-1-8), 3=138/3-5-4, (min. 0-1-8) Max Horiz 1=-19 (LC 10) Max Uplift 1=-8 (LC 12), 3=-8 (LC 12)
- FORCES (lb) Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.

NOTES

- Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=28ft; B=45ft; L=24ft; eave=4ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Gable requires continuous bottom chord bearing.
- 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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 8 lb uplift at joint 1 and 8 lb uplift at joint 3.
- 7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

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