Job	Truss	Truss Type	Qty	Ply	
3301439	DV1	Valley	1	1	Job Reference (optional)

Run: 8,53 S Jan 6 2022 Print: 8,530 S Jan 6 2022 MiTek industries, Inc. Mon Sep 19 13:05:35

Scale = 1:32:2

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	I /d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00		0.32	Vert(LL)	n/a	(,00)	n/a		MT20	244/190
TCDL	10.0	Lumber DOL	1.15	вс	0.33	Vert(TL)	n/a	-	n/a	999		2111100
BCLL	0.0*	Rep Stress Incr	YES	WB	0,11	Horiz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 33 lb	FT = 20%

LUMBER TOP CHOR BOT CHOR OTHERS

REACTION

FORCES TOP CHOR BOT CHOR WEBS

- NOTES

  1) Unbalar
  2) Wind: A
  Exterior
  grip DC
  3) Gable r
  4) This tru
  5) \* This tru
  any oth
  6) Provide
  7) This tru

LOAD CAS

1-1-1-8						IC	D:2twUfTT4WG	8?0KyFZH	H8_Nyyc7	Wt-3hAX	i_GET	qTLQJKKLrHiv	PsopucmBTtDPAEZoVy	:40U
1-10-8					<del> </del>				+					
11-1-6     20.0	1-10-8	- -	1-6-12	0-0-4	1		11		2	B1	11		3	
20.0   Plate Grip DOL   1.00	.2				3x4			1					3x4	
RD 2x4 SP No.2 RD 2x4		20.0 10.0 0.0*	Plate Grip DOL Lumber DOL Rep Stress Incr	1.00 1.15 YES	TC BC WB	0.33	Vert(LL) Vert(TL)	n/a n/a	-	n/a n/a	999 999	MT20	244/190	
ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C or (2) 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 OL=1.33 requires continuous bottom chord bearing. requires continuous bottom chord bearing. russ has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 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 her members. le mechanical connection (by others) of truss to bearing plate capable of withstanding 13 lb uplift at joint 1, 17 lb uplift at joint 3 and 18 lb uplift at joint 4. russ is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.	RD 2x4 2x4 NS (lb/size Max H Max U Max G (RD 1	SP No.2 SP No.3 e) 1=78/11- 4=734/11 loriz 1=-22 (LC iplift 1=-13 (LC irrav 1=114 (Li ib) - Max. Com 1-2=-177/446, 1-4=-381/162,	-1-6, (min. 0-1-8) C 11) C 10), 3=-17 (LC 11) C 21), 3=114 (LC 22 np./Max. Ten All fo 2-3=-77/446	), 4=-18 (LC 6) 2), 4=734 (LC 1)		TOP CH BOT CH	ORD	MiTek r installe	eiling dire ecomme d during	ectly app ends that truss er	olied o	or 6-0-0 oc bra pilizers and re	acing. equired cross bracing	
	ASCE 7-1 or (2) zone OL=1.33 requires ouss has b truss has her membre e mechan uss is des	10; Vult=115mpe; cantilever le continuous bot leen designed been designed bers. lical connectionsigned in accor	oh (3-second gust) \ ft and right exposed  ttom chord bearing. for a 10.0 psf bottor d for a live load of 2  n (by others) of trus	/asd=91mph; TCDL=6.0 i; end vertical left and ri m chord live load nonco 0.0psf on the bottom ch s to bearing plate capal	ight exposed;C- ncurrent with an ord in all areas	C for memb y other live where a red	pers and force loads, ctangle 3-06-	es & MW	/FRS for / 2-00-00 ift at join	reaction ) wide w	ns sho vill fit t	own; Lumber between the b	DOL=1.60 plate	

Job	Truss	Truss Type	Qty	Ply	
3301439	E1	Attic Supported Gable	1	1	Job Reference (optional)

Loading	(psf)	Spacing	2-0-0	csı		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.12	Vert(LL)	n/a	1200	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	вс	0.59	Vert(CT)	n/a	_	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.01	14	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS		(,					Weight: 211 lb	FT = 20%

- Provide adequate drainage to prevent water ponding.

  Gable requires continuous bottom chord bearing.

  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, with BCDL = 10.0psf.

  Ceiling dead load (5.0 psf) on member(s), 5-6, 10-11, 6-23, 22-23, 22-24, 10-24

  Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 14, 2, 14 except (jt=lb) 20=614, 21=120, 17=614, 16=120.

  This truss is designed in accordance with the 2015 International Residential Code sections R502,11,1 and R802,10,2 and referenced standard ANSI/TPI 1.

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

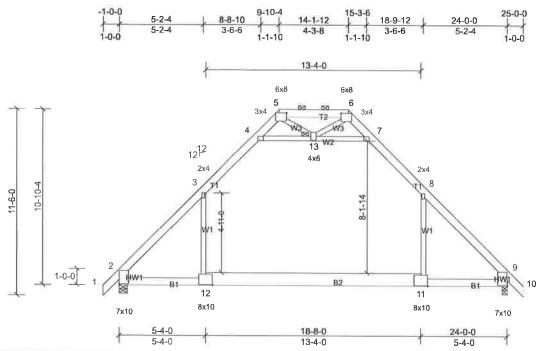
  LOAD CASE(S) Standard

Job	Truss	Truss Type		Qty	Ply						
3301439	E1	Attic Supported Ga	ible	1	1	Job F	Reference	e (option	nal)		
BMC Components			Run: 8,53 S							on Sep 19 13:0	15:35 Page: 1 uYgBSxDPAEZoVyc40U
	-1-0 ∤ 1-0	5-2-4	8-8-10 9-10-4 3-6-6 1-1-10	14-1-12 4-3-8	15-3-6 + + 1-1-10	18-9-12 3-6-6		24-0-0 5-2-4	2	5-0-0 -0-0	
		+		13-4-0			+				
	1-0-0 1	12 <sup>12</sup> 2x4 2x4 5 4 5 5 4 5 7 12 12 12 12 12 12 12 12 12 12 12 12 12	6x8 7 2x4 6 ST. 23 2x4	0 <sup>83</sup> 22 W2 2x4	- ( - )	10	2x4 2x 111 11 0 W1 s	12 2x 12 5	13	14	
		5x8 2x4 2x4			284		8x10	2x		8	
Scale = 1:69.7 Plate Offsets (X, Y): [7:0-5-	8,0-3-0], [9:0-5-8,0-3-0], [18	8×10 5-4-0 5-4-0 :0-5-0,0-3-8], [19:0-5-0,0		18-8-0 13-4-0			2x	4 24-0-0 5-4-0		ł	
Loading TCLL (roof) TCDL BCLL BCDL	(psf) Spacing 20.0 Plate Grip DOL 10.0 Lumber DOL 0.0* Rep Stress Incr Code	2-0-0 1.00 1.15 YES IRC2015/TPI2014	CSI TC BC WB Matrix-MS	0.12 Ve 0.59 Ve	EFL ert(LL) ert(CT) orz(CT)	in n/a n/a 0,01	(loc) I. - - 14	n/a 9 n/a 9	199 M7 199 n/a	ATES Γ20 eight: 211 lb	<b>GRIP</b> 244/190 FT = 20%
WEBS         2x4 SP N           OTHERS         2x4 SP N           WEDGE         Left: 2x4	o.2 *Except* B2:2x10 SP D o.3 o.3	ss	Т	RACING OP CHOR OT CHOR OINTS	D i	except 2-0-0 oc Rigid cei 1 Brace	purlins (f ling direc at Jt(s): 2	6-0-0 ma tly appli	ax.): 7-9 ied or 10	)-0-0 oc braci	red cross bracing be
Max Uplift A ( Max Grav A	24-0-0. 2=211 (LC 9), 25=211 (LC 9 All uplift 100 (lb) or less at jo LC 11), 17=-614 (LC 16), 2( All reactions 250 (lb) or less 2=585 (LC 1), 14=585 (LC 1 18), 25=585 (LC 1), 28=585	int(s) 2, 14, 25, 28 exce )=-614 (LC 16), 21=-121 at joint(s) 16, 17, 20, 21 ), 18=1104 (LC 19), 19=	(LC 10) except			installed		uss ere			with Stabilizer
TOP CHORD 2-3=-5 12-13= BOT CHORD 2-21=- WEBS 5-19=-	1ax. Comp./Max. Ten All ft 61/61, 3-4=-522/56, 4-5=-4: 522/52, 13-14=-558/57 134/396, 20-21=-36/395, 19 287/153, 11-18=-287/148	33/87, 5-6=-582/109, 6-7	<b>'=-342/57,</b> 9-10=-34								
Wind: ASCE 7-10; Vu Exterior (2) zone; can grip DOL=1.33     Truss designed for w qualified building desi	oads have been considered It=115mph (3-second gust) tilever left and right exposed ind loads in the plane of the gner as per ANSI/TPI 1. inage to prevent water pond	Vasd=91mph; TCDL=6.0 d; end vertical left and ri truss only, For studs ex	ght exposed;C-C fo	r members	and force	es & MW	FRS for r	eactions	s shown	; Lumber DO	L=1.60 plate

Job	Truss	Truss Type	Qty	Ply	
3301439	E2	Attic	9	1	Job Reference (optional)

Run: 8,53 S Jan 6 2022 Print: 8,530 S Jan 6 2022 MiTek Ind

ID:7nE8j57yVcM9vwsCOJBGBlyc7bB-Xuk



## Plate Offsets (X, Y): [5:0-5-8,0-3-0], [6:0-5-8,0-3-0], [11:0-5-0,Edge], [12:0-5-0,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	0.60	Vert(LL)	-0.41	11-12	>699	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.70	Vert(CT)	-0.62	11-12	>467	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.03	2	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS		Attic	-0.24	11-12			Weight: 195 lb	FT = 20%

BRACING

TOP CHORD

BOT CHORD

JOINTS

LUMBER

2x6 SP DSS \*Except\* T2:2x6 SP No.2 2x6 SP No.2 \*Except\* B2:2x10 SP DSS TOP CHORD

BOT CHORD 2x4 SP No.3 WEBS

WEDGE Left: 2x4 SP No.3

Right: 2x4 SP No.3

**REACTIONS** (lb/size) 2=1155/0-6-0, (min. 0-1-11), 9=1155/0-4-0, (min. 0-1-11)

Max Horiz 2=-212 (LC 8)

Max Grav 2=1425 (LC 2), 9=1425 (LC 2)

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 2-3=-1694/0, 3-4=-983/116, 4-5=-73/414, 5-6=-7/643, 6-7=-73/414, 7-8=-983/116, 8-9=-1694/0 2-12=-78/1013, 11-12=0/1033, 9-11=0/1009 3-12=0/903, 8-11=0/903, 4-13=-1638/148, 7-13=-1637/148 TOP CHORD

BOT CHORD WEBS

# NOTES

Scale = 1:67.2

- Unbalanced roof live loads have been considered for this design.
   Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS Exterior (2) zone, cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reac

- Provide adequate drainage to prevent water ponding.

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

  \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide any other members.
- Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-13, 7-13

  Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 11-12
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802,10.2 and referenced st
- 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 10) Attic room checked for L/360 deflection.

	Lab Defendance (automob)
0 S	Job Reference (optional)  Jan 6 2022 MiTek Industries, Inc. Mon Sep 19 13:05:36  Page:
19v	wsCOJBGBlyc7bB-XukwwKHsE8bB1TvWvZoxScOvCl(Hwr6Meq_6Kyyc40
6	19.0.12 4 24.0.0 25-0-0
-	18-9-12 24-0-0 3-6-6 5-2-4 1-0-0
U	1-0-0
	1
x4	
1	7
1	
	2x4
	43 8
1	W1
+	R1 +W1 10
	11 B1 10
	8x10 7x10
	24-0-0
	1 5-4-0 1
	in (loc) I/defl L/d PLATES GRIP
-	0.41 11-12 >699 240 MT20 244/190 0.62 11-12 >467 180
	0.03 2 n/a n/a
_	0.24 11-12 >663 360 Weight: 195 lb FT = 20%
e	tructural wood sheathing directly applied or 5-3-11 oc purlins, cept
2.	0-0 oc purlins (10-0-0 max.): 5-6.
1	igid ceiling directly applied or 8-0-15 oc bracing. Brace at Jt(s): 13
IN	filek recommends that Stabilizers and required cross bracing be
I in	fiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer installation guide.
В;	Enclosed; MWFRS (envelope) exterior zone and C-C & MWFRS for reactions shown; Lumber DOL=1.60 plate
es	
	,
-00	tall by 2-00-00 wide will fit between the bottom chord and
10	.2 and referenced standard ANSI/TPI 1.
ח כ	hord.

Job	Truss	Truss Type	Qty	Ply	
3301439	E3	Attic Girder	1	2	Job Reference (optional)

Run: 8,53 S Jan 6 2022 Print: 8,530 S Jan 6 2022 MiTek Industries, Inc. Mon Sep 19 13:05:36

 $ID: fSSmZx4VBHu7Tndprj1AG?yc7Uo-XukwwKHsE8bB1TvWvZoxScOuFIo\_wrYMeq\_6Kyyc40TID: fSSmZx4VBHu7Tndprj1AG?yc7Uo-XukwwKhsE8bB1TvWvZoxScOuFIo\_wrYMeq_6Kyyc40TID: fSSmZx4VBHu7Tndprj1AG?yc7Uo-XukwwKhsE8bB1TvWvZoxScOuFIo\_wrYMeq_6Kyyc40TID: fSSmZx4VBHu7Tndprj1AG?yc40TID: fSSmZx4VBHu7Tndprj1AG?yc40TID: fSSmZx4VBHu7Tndprj1AG?yc40TiD-fSSmZx4VBHu7Tndprj1AG?yc40TiD-fSSmZx4VBHu7Tndprj1AG?yc40Tndprj1AG?yc40Tndprj1AG?yc40Tndprj1AG?yc40Tndprj1AG?yc40Tndprj1AG?yc40Tndprj1AG?yc40Tndprj1A$ 

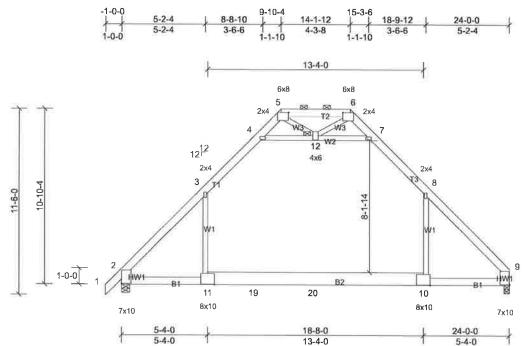


Plate Offsets (X, Y): [5:0-5-8,0-3-0], [6:0-5-8,0-3-0], [10:0-5-0,Edge], [11:0-5-0,Edge]

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	0.66	Vert(LL)	-0.21	10-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	вс	0.97	Vert(CT)	-0.59	10-11	>491	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.40	Horz(CT)	0.03	2	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS		Attic '	-0.12	10-11	>999	360	Weight: 384 lb	FT = 20%

LUMBER

Scale = 1:67,2

TOP CHORD 2x6 SP DSS \*Except\* T2:2x6 SP No.2

BOT CHORD 2x6 SP No.2 \*Except\* B2:2x10 SP DSS WEBS 2x4 SP No.3

WEDGE Left: 2x4 SP No.3

Right: 2x4 SP No.3

BOT CHORD JOINTS

BRACING TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins,

2-0-0 oc purlins (10-0-0 max.): 5-6

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

1 Brace at Jt(s): 12

**REACTIONS** (lb/size) 2=1857/0-6-0, (min. 0-1-8), 9=1593/0-4-0, (min. 0-1-8)

Max Horiz 2=205 (LC 5)

Max Grav 2=2126 (LC 2), 9=1873 (LC 2)

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

2-3=-2571/0, 3-4=-1320/0, 4-5=0/770, 5-6=0/1176, 6-7=0/790, 7-8=-1361/0, 8-9=-2528/0 TOP CHORD

2-11=0/1486, 11-19=0/1528, 19-20=0/1528, 10-20=0/1528, 9-10=0/1486 BOT CHORD WEBS 3-11=0/1686, 8-10=0/1567, 4-12=-2645/0, 7-12=-2732/0

#### NOTES

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows: Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.

Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x10 - 2 rows staggered at 0-9-0 oc. Web connected as follows: 2x4 - 1 row at 0-9-0 oc.

- 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vull=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.33
- Provide adequate drainage to prevent water ponding
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 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.
- Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-12, 7-12
- 9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room, 10-11
  10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
  11) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 13) Attic room checked for L/360 deflection.

# LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.00 Uniform Loads (lb/ft)
  - Vert: 1-3=-60, 3-4=-70, 4-5=-60, 5-6=-60, 6-7=-60, 7-8=-70, 8-9=-60, 11-13=-20, 10-11=-30, 10-16=-20, 4-12=-10, 7-12=-10 Concentrated Loads (lb)

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	
3301439	E3	Attic Girder	1	2	Job Reference (optional)

ВМ

Job	Truss	Truss Type	Qty	Ply		
MC Components	E3	Attic Girder	Run: 8,53 S Jan 6 2022	Print: 8.530 \$	Job Reference (optional)  S Jan 6 2022 MiTek Industries, Inc. Mon Sep 19 13:05:36 Page: 2	
V	/ert: 19=-600, 20=-600		iD:to:	smzx4VBHU/	/Tndprj1AG?yc7Uo-XukwwKHsE8bB1TvWvZoxScOuFlo_wrYMeq_6Kyyo40 <sup>-</sup>	ſ

Job	Truss	Truss Type	Qty	Ply	
3301439	E4	Piggyback Base	6	1	Job Reference (optional)

Run: 8,53 S Jan 6 2022 Print: 8,530 S Jan 6 2022 MiTek Industries, Inc. Mon Sep 19 13:05:36

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Structural wood sheathing directly applied or 5-6-4 oc purlins,

5-10

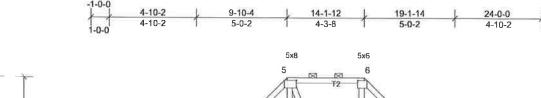
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer

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

2-0-0 oc purlins (6-0-0 max.): 5-6.

1 Row at midpt

Installation guide.



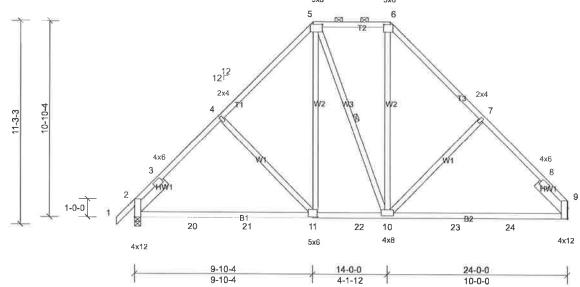


Plate Offsets (X, Y): [2:0-7-1,Edge], [5:0-6-4,0-1-12], [6:0-4-4,0-1-12], [9:0-7-1,Edge], [11:0-3-0,0-3-0]

		1										
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	în	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.36	Vert(LL)	-0.18	10-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	вс	0.81	Vert(CT)	-0.36	10-14	>801	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.03	9	n/a	n/a	1	
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS	7.55	(0.1)	4,50		100		Weight: 166 lb	FT = 20%

TOP CHORD

BOT CHORD WEBS

LUMBER BRACING

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

2x4 SP No.3

SLIDER Left 2x6 SP No.2 -- 2-5-0, Right 2x6 SP No.2 -- 2-5-0

REACTIONS (lb/size) 2=1021/0-4-0, (min. 0-1-8), 9=959/ Mechanical, (min. 0-1-8)

Max Horiz 2=205 (LC 7)

Max Uplift 2=-4 (LC 10)

Max Grav 2=1024 (LC 2), 9=966 (LC 2)

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 2-3=-810/0, 3-4=-1021/136, 4-5=-895/184, 5-6=-558/182, 6-7=-885/183, 7-8=-898/137, 8-9=-820/0 FORCES TOP CHORD

BOT CHORD

2-20=-197/788, 20-21=-75/788, 11-21=-75/788, 11-22=-12/614, 10-22=-12/614, 10-23=-12/684, 23-24=-12/684,

WEBS 5-11=-60/405, 6-10=-37/366, 4-11=-259/183, 7-10=-259/183

#### NOTES

Scale = 1:60.2

- Unbalanced roof live loads have been considered for this design.

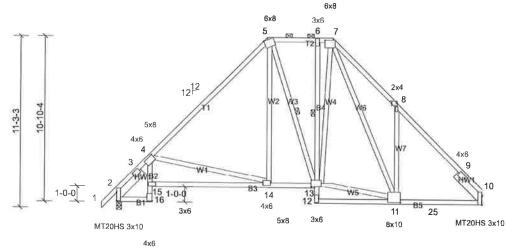
  Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 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.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 4 lb uplift at joint 2.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Job	Truss	Truss Type	Qty	Ply	
3301439	E5	Piggyback Base	5	1	Job Reference (optional)

Run: 8.53 S Jan 6 2022 Print: 8.530 S Jan 6 2022 MiTek Indu

ID:90ZGXrbwTl3DNGSQL9r6Snyc7Y?-Xukv





Scale = 1:71.3

Plate Offsets (X, Y): [2:0-6-9 0-0-2] [4:0-1-0 0-2-0] [5:0-2-11 Edgel [7:0-6-4-0-1-12] [4:0-0-7-1 Edgel	[44.0 5.0 0.0 4] [40.0 0.400.0 0] [40.0 0.1
Plate Offsets (X, Y): [2:0-6-9,0-0-2], [4:0-1-0,0-2-0], [5:0-2-11, Edge], [7:0-6-4,0-1-12], [10:0-7-1, Edge],	[11:0-5-0,0-2-4], [13:0-2-12.0-2-8], [16:Edge.0-3-8]

Loading TCLL (roof) TCDL BCLL		Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.00 1.15 YES	TC BC	0.67	DEFL Vert(LL) Vert(CT) Horz(CT)	(loc) 14-15 14-15	240	PLATES MT20 MT20HS	GRIP 244/190 187/143
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS		` ′		 	Weight: 203 lb	FT = 20%

**REACTIONS** (lb/size) 2=1021/0-4-0, (min. 0-1-8), 10=959/ Mechanical, (min. 0-1-8)

Max Horiz 2=205 (LC 7) Max Uplift 2=-4 (LC 10)

BRACING

BOT CHORD

WEBS

1 Row at midpt

TOP CHORD Structural wood sheathi

2-0-0 oc purlins (6-0-0 r Rigid ceiling directly app 6-13

1 Row at midpt

MiTek recommends that installed during truss e nstallation guide.

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

3-4=-1134/92, 4-5=-1036/144, 5-6=-593/175, 6-7=-591/176, 7-8=-1051/324, 8-9=-1047/117, 9-10=-279/0 TOP CHORD

2-16=-138/752, 14-15=-267/1282, 13-14=-15/609, 11-25=0/675, 10-25=0/675 4-14=-696/325, 5-14=0/406, 8-11=-330/269, 11-13=0/520, 7-13=-78/290, 7-11=-281/446 BOT CHORD WEBS

## NOTES

- Unbalanced roof live loads have been considered for this design.

  Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (el Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reaction
- 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 on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide vision and the second any other members, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 4 lb uplift at joint 2.

  This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 4 lb uplift at joint 2.

  This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced stan

otional)
ustries, Inc. Mon Sep 19 13:05:36 Page: 1 wwKHsE8bB1TvWvZoxScOtdIlmwkaMeq_6Kyyc40T
D-0 L
-12
4x6
9
10
LITTONIA A A
MT20HS 3x10
12
Edge,0-3-8]
L/d <b>PLATES GRIP</b> 240 MT20 244/190
180 MT20HS 187/143 n/a
Weight: 203 lb FT = 20%
ning directly applied, except
max.): 5-7. pplied or 10-0-0 oc bracing. Except:
5-13
nat Stabilizers and required cross bracing be
erection, in accordance with Stabilizer
envelope) exterior zone and C-C
ons shown; Lumber DOL=1.60 plate
will fix be about any about a second
will fit between the bottom chord and
indard ANSI/TPI 1.

Job	Truss	Truss Type	Qty	Ply	
3301439	E6	Piggyback Base Supported Gable	1	1	Job Reference (optional)

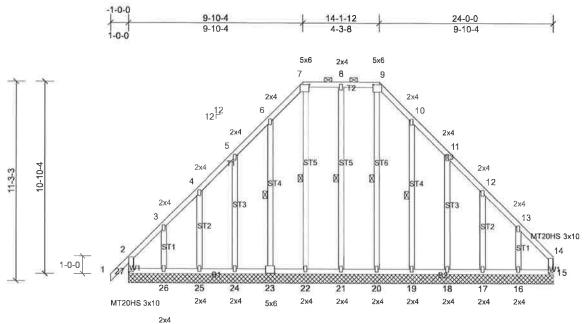


Plate Offsets (X, Y): [7:0-4-4,0-1-12], [9:0-4-4,0-

-												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	1/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	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	n/a	-	n/a	999	MT20HS	187/143
BCLL	0.0*	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.00	15	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR	-						Weight: 199 lb	FT = 20%

LUMBER

Scale = 1:61:3

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3 OTHERS 2x4 SP No.3

REACTIONS All bearings 24-0-0.

(lb) - Max Horiz 27=226 (LC 7)

Max Uplift All uplift 100 (lb) or le except 16=-141 (LC 1 Max Grav All reactions 250 (lb) 21, 22, 23, 24, 25, 26

(lb) - Max. Comp./Max. Ten

**FORCES** TOP CHORD NOTES

6-7=-265/299, 9-10=-265/2

#### 1) Unbalanced roof live loads have been cons

- 2) Wind: ASCE 7-10; Vult=115mph (3-second Exterior (2) zone; cantilever left and right grip DOL=1,33
- Truss designed for wind loads in the plane qualified building designer as per ANSI/TP
- Provide adequate drainage to prevent water
- All plates are MT20 plates unless otherwis
- Gable requires continuous bottom chord b
- 7) Truss to be fully sheathed from one face of
- 8) Gable studs spaced at 2-0-0 oc.
- 9) This truss has been designed for a 10.0 ps
  10) \* This truss has been designed for a live lo
- any other members.

  11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15, 21, 23, 24, 25, 19, 18, 17 except (jt=lb) 27=124, 26=150, 16=141.
- 12) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

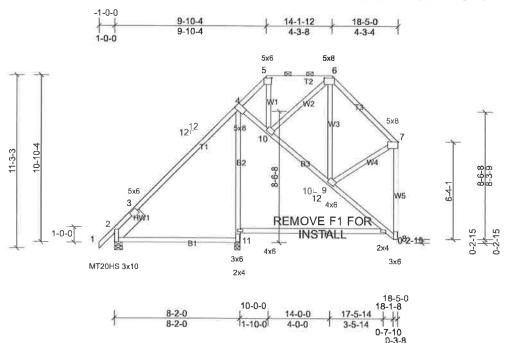
  13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord,

	Truss Type		Qty	Ply							
	Piggyback Base Su	ipported Gable	1	1	Job	Reference	e (opti	ional)			
		Run: 8,53 S J			S Jan 6	2022 MiTe	k Indus	stries, Ir	nc, Mon Sep 19 13:0		
			(D:O	ZBy/MKYF	(kdiaU2y	smwAuQy	ic/X3-?	4HI/gII	J?Sj2fdUiSGKA?qx	3niMzfNEVtUjgsOyc40S	
1-0-0	9-10-4		14-1-12			2	24-0-0				
-0-0	9-10-4	1	4-3-8	1		Ę	9-10-4		1		
		5x6	0.4	5x6							
		7	2x4	. 9							
2 21 141 MT20HS 3	3 D ST2 ST1 D D D D D D D D D D D D D D D D D D D	ST4 ST4	5 ST5		2x4 11 11 19 2x4	2x4 1	3	2×4 12 ST2	2x4 13 MT20HS 33 ST1 14 15 16 2x4	10	
	2x4										
L			24-0-0						4.		
1 400 14	4.0 5 40 0 4 81 100 0	0.0.0.01 (07.0.5.4)									- 1
[]-12], [1	4:0-5-12,0-1-8], [23:0-3					70 70					200
DOL	2-0-0 1.00	TC	0.16 Ver	: <b>FL</b> rt(LL)	in n/a	(loc)	l/defl n/a	L/d 999	PLATES MT20	<b>GRIP</b> 244/190	
OL s Incr	1.15 YES	BC WB		rt(CT)	n/a	- 15	n/a	999	MT20HS	187/143	
a IIIGi	IRC2015/TPI2014	Matrix-MR	0.12   110	rz(CT)	0.00	15	n/a	n/a	Weight: 199 lb	FT = 20%	
	ıt(s) 15, 17, 18, 19, 21, 151 (LC 10), 27=-124 (I	TC BC W 23, 24, 25	RACING DP CHORE DT CHORE EBS		except e Rigid ce 1 Row a MiTek r installe	end vertion iling dirent t midpt ecomme	cals, ar ctly ap nds the truss e	nd 2-0- plied o at Stal	rectly applied or 6 -0 oc purlins (6-0 or 10-0-0 oc braci 8-21, 7-22, 6-2 ollizers and requin, in accordance	0 max.): 7-9. ng. 3, 9-20, 10-19 red cross bracing be	
	t joint(s) 15, 16, 17, 18,										
n All for 299	ces 250 (lb) or less exc	cept when shown.									
d gust) Va	or this design. asd=91mph; TCDL=6.0 ; end vertical left and ri	psf; BCDL=6.0psf; hght exposed;C-C for	n=30ft; Cat members	. II; Exp B and force	; Enclos	ed; MWI	FRS (e reactio	envelo ons sh	pe) exterior zone own; Lumber DO	and C-C L=1,60 plate	
e of the t	russ only. For studs ex	posed to wind (norm	nal to the fa	ice), see	Standar	d Industr	y Gab	le End	Details as applic	able, or consult	
PI 1= ter pondir se indicat searing.	ng.								, 6	•	
	chord live load noncor	·	,								
	Opsf on the bottom cho				0 tall by	2-00-00	wide v	will fit l	petween the botto	m chord and	

Job	Truss	Truss Type	Qty	Ply	
3301439	F1	Piggyback Base	2	1	Job Reference (optional)

Run: 8,53 S Jan 6 2022 Print: 8,530 S Jan 6 2022 MiTek Industries, Inc. Mon Sep

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Scale = 1:70.6

Plate Offsets (X, Y): [2:0-7-1,Edge], [4:0-3-5,0-2-3], [5:0-4-4,0-1-12], [6:0-6-4,0-1-12], [7:0-3-8,Edge]

-												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	īn	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.85	Vert(LL)	0.22	11-16	>438	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	ВС	0.61	Vert(CT)	-0.32	11-16	>300	180	MT20HS	187/143
BCLL	0.0*	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.12	8	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS		` '					Weight: 143 lb	FT = 20%

BRACING

TOP CHORD

BOT CHORD

LUMBER

TOP CHORD

2x4 SP No.2 2x4 SP No.2 \*Except\* B2:2x4 SP No.3 BOT CHORD 2x4 SP No.3 WEBS

SLIDER Left 2x8 SP DSS -- 2-5-0

REACTIONS (lb/size) 2=339/0-6-0, (min. 0-1-8), 8=375/ Mechanical, (min. 0-1-8), 11=808/0-4-0, (min. 0-1-8)

Max Horiz 2=273 (LC 9)

Max Uplift 2=-108 (LC 6), 8=-51 (LC 6), 11=-232 (LC 7) Max Grav 2=457 (LC 18), 8=389 (LC 22), 11=865 (LC 17)

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

TOP CHORD 2-3=-430/187, 3-4=-277/308, 6-7=-297/122, 7-8=-358/65

BOT CHORD 4-11=-752/252, 4-10=-133/272

### NOTES

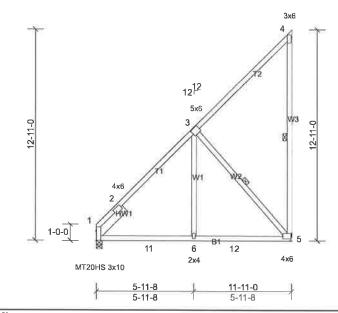
- Unbalanced roof live loads have been considered for this design.
   Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber
- 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 on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the any other members
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 108 lb uplift at joint 2, 232 lb uplift at joint 11 and 51 lb uplift at This truss is designed in accordance with the 2015 International Residential Code sections R502,11.1 and R802.10.2 and referenced standard ANSI/TPI 1
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

	Job Reference (optional)
o S kSc	Jan 6 2022 MiTek Industries, Inc. Mon Sep 19 13:05:37 Page: !VW?rxUNgx8Wyc7FQ-?4HI7gIU?S]2fdUiSGKA?qx0?iExfNVVtUjgsOyc40
	5-0
4-	3-4
1	5x8
	27 +
	W4 8-9-9-9-9-9-9-9-9-9-9-9-9-9-9-9-9-9-9-9
2	M2 4 8 8 8 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9
	A I
	1 2 2
	2x4 3x6
-5-	18-5-0 18-1-8 14   L
5-1	4 111 0-7-10 0-3-8
	in (loc) lided to the DLATES COUR
	in (loc) I/defl L/d   <b>PLATES</b>   <b>GRIP</b>   0.22   11-16   >438   240   MT20   244/190   0.32   11-16   >300   180   MT20HS   187/143
	0.12 8 n/a n/a Weight: 143 lb FT = 20%
	weight. 145 lb 1 1 - 20%
S	tructural wood sheathing directly applied or 6-0-0 oc purlins, ccept end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-6
R	gid ceiling directly applied or 10-0-0 oc bracing, Except: 9-2 oc bracing: 4-11.
N	fiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer
li	nstallation guide.
B; es	Enclosed; MWFRS (envelope) exterior zone and C-C & MWFRS for reactions shown; Lumber DOL=1.60 plate
	,
ቦሳ	tall by 2-00-00 wide will fit between the bottom chord and
2, 2 .10	32 lb uplift at joint 11 and 51 lb uplift at joint 8. .2 and referenced standard ANSI/TPI 1.
m c	hord.

Job	Truss	Truss Type	Qty	Ply	
3301439	J1	Roof Special	2	1	Job Reference (optional)

Run: 8,53 S Jan 6 2022 Print: 8,530 S Jan 6 2022 MiTek Industries, Inc. N





Scale = 1:66.4

Plate Offsets (X, Y): [1:0-7-1,Edge], [3:0-3-0,0-3-0]

				-								
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	тс	0.49	Vert(LL)	-0.06	5-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.35	Vert(CT)	-0.09	5-6	>999	180	MT20HS	187/143
BCLL	0.0*	Rep Stress Incr	YES	WB	0.20	Horz(CT)	-0.03	1	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS	- 6	` ′					Weight: 89 lb	FT = 20%

BRACING

TOP CHORD

BOT CHORD

WEBS

LUMBER

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2 2x4 SP No.3 \*Except\* W3:2x4 SP SS WEBS

Left 2x6 SP No.2 -- 2-5-0 SLIDER

**REACTIONS** (lb/size) 1=471/0-4-0, (min. 0-1-8), 5=471/ Mechanical, (min. 0-1-8)

Max Horiz 1=361 (LC 9) Max Uplift 5=-153 (LC 7)

Max Grav 1=599 (LC 18), 5=626 (LC 17)

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

TOP CHORD 1-2=-268/69, 2-3=-612/79, 3-4=-268/145

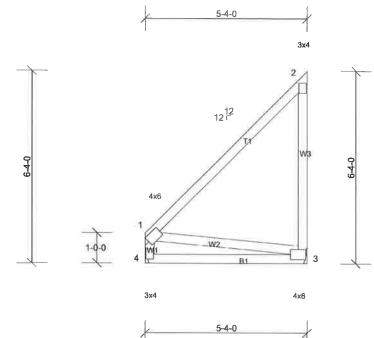
BOT CHORD 1-11=-276/377, 6-11=-129/377, 6-12=-130/376, 5-12=-130/376

# NOTES

- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown
- 2) All plates are MT20 plates unless otherwise indicated.
- 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 on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit bety any other members, with BCDL = 10.0psf.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 153 lb uplift at joint 5.
  7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard AN.

1	Job	Referen	ice (optior	nal)		
rint: 8,5; ID:vxul	30 S Jan	6 2022 Mi	ek Industri	s, Inc	Mon Sep 19 13:0	05:37 Page: 1 Pqx6kilxfLlVtUjgsOyc40S
-11-0 11-8	-					
11-0	,					
	3x6					
	4	$\rightarrow$				
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	w3					
	8	12-11-0				
P						
	<u>L</u> .	5				
!	4x6					
-11-0 11-8	1					
11-8						
FL	in	(loc)	I/defl	_/d	PLATES	GRIP
rt(LL) rt(CT) rz(CT)	-0.06 -0.09	5-6	>999 2 >999 1	80	MT20 MT20HS	244/190 187/143
rz(CT)	-0.03	1	n/a	1/a	Weight: 89 lb	FT = 20%
,	Cterret	real research		:	-#by li- d 0	
)	except	end ver	icals.			3-0-0 oc purlins,
					10-0-0 oc braci 4-5, 3-5 lizers and requi	red cross bracing be
	install	ed during ation gui	i truss ere	ction,	in accordance	with Stabilizer
. II; Exp and for	B; Enclorces & M\	osed; MV WFRS fo	VFRS (en	elope show	e) exterior zone wn; Lumber DO	and C-C L≃1.60 plate
ds.						
gie 3-06	6-00 tall b	oy 2-00-0	0 wide wil	l fit be	etween the botto	om chord and
at joint	5. 2 10 2 es	nd refere	red etans	ard A	NSI/TPI 1.	
IU 1002	2.10-Z an	iu reierei	ceu stant	iaiu A	(NSI/1P11.	

Job	Truss	Truss Type	Qty	Ply	
3301439	J2	Jack-Closed	2	1	Job Reference (optional)



Sca	le:	= 1	.35	Α

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.52	Vert(LL)	-0.04	3-4	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.32	Vert(CT)	-0.08	3-4	>781	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MP		` ′					Weight: 36 lb	FT = 20%

REACTIONS (lb/size) 3=202/ Mechanical, 0-1-8)

Max Horiz 4=171 (LC 7)

Max Uplift 3=-82 (LC 7)

Max Grav 3=243 (LC 17), 4=23

### FORCES

(lb) - Max. Comp./Max. Te

# NOTES

- Wind: ASCE 7-10; Vull=115mph (3-secon Exterior (2) zone; cantilever left and right grip DOL=1.33
- grip DOL=1.33

  This truss has been designed for a 10.0 p

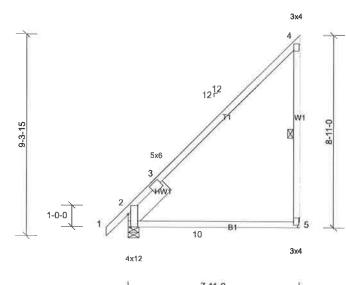
  \* This truss has been designed for a live leany other members.

  Refer to girder(s) for truss to truss connection (by others)

  This truss is designed in accordance with

		Run: 8,53	S Jan 620					nc, Mon Sep 19 13: U?Sj2fdUiSGKA?q	.05:37 Page: 1 x5AiJRfOPVtUjgsOyc40S
			5-4-0	1	+				
					3x4	×			
			12 <sup>12</sup>	//	2				
64-0		ų	//	e.	W3	04-0			
	1-0-0	4x6	_W2						
	4	LA		Ri	3	_			
		3x4			4x6				
			5-4-0		1				
p DOL DOL ss Incr	2-0-0 1.00 1.15 YES	CSI TC BC WB	0.52 0.32 0.04	DEFL Vert(LL) Vert(CT) Horz(CT)	în -0.04 -0.08 0.00	(loc) I/defl 3-4 >999 3-4 >781 3 n/a		PLATES MT20	<b>GRIP</b> 244/190
(min 0-1.8)	IRC2015/TPI2014	Matrix-MP	BRACIN TOP CH	ORD	Rigid ce	end verticals. illing directly a	pplied	or 10-0-0 oc brae	FT = 20%  5-4-0 oc purlins, cing. ired cross bracing be
(111111. 0-1-0)	4-202/ Mechanical,	(min.			installe			n, in accordance	
35 (LC 18) en All force	s 250 (lb) or less exc	ept when shown							
	d=91mph; TCDL=6.0 nd vertical left and rig								
psf bottom cl	nord live load noncor osf on the bottom cho	ncurrent with any	other live	loads.					
ctions. s) of truss to	bearing plate capab ternational Residenti	ele of withstandin	g 82 lb up	lift at joint 3.					

Job	Truss	Truss Type	Qty	Ply	
3301439	J3	Monopitch	2	1	Job Reference (optional)



Scale = 1:50.3

Plate Offsets (X, Y): [2:0-7-1,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	I /d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	тс	0.71	Vert(LL)	0.30	5-8	>315		MT20	244/190
TCDL	10.0	Lumber DOL	1.15	вс	0.75	Vert(CT)	-0.46	5-8	>205	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.12	2	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MP		` ′					Weight: 51 lb	FT = 20%

REACTIONS (lb/size) 2=375/0-6-0, (min. 0-1-8), Max Horiz 2=256 (LC 9)

Max Uplift 5=-108 (LC 7)
Max Grav 2=432 (LC 18), 5=459 (LC

FORCES (lb) - Max. Comp./Max. Ten. - All TOP CHORD 2-3=-519/333, 4-5=-255/124 BOT CHORD 2-10=-259/273

# NOTES

- NOTES

  1) Wind: ASCE 7-10; Vult=115mph (3-second gust)
  Exterior (2) zone; cantilever left and right expose
  grip DOL=1.33

  2) This truss has been designed for a 10.0 psf botte
  3) \* This truss has been designed for a live load of
  any other members, with BCDL = 10.0psf.
  4) Refer to girder(s) for truss to truss connections.
  5) Provide mechanical connection (by others) of tru
  6) This truss is designed in accordance with the 20

- LOAD CASE(S) Standard

_							(sp.	_		
		Run: 8,5	3 S Jan 62						nc. Mon Sep 19 13:	05:37 Page: 1 x2GiCifO3VtUJgsOyc40S
	1-0	+	7-11-( 7-11-(	0		90 10	-yu: £14*	. <del></del> (119	, o , o je i o o o o o o o o o o o o o o o o o o	ACCIONOS (OJUSO Y CAUS
					3x4					
					4/	_	<u></u>			
			12 <sup>1</sup> 2		P					
9-3-15				r	W1	8-11-0				
on .		5x6 3	//							
	1-0-0			B1	7 5	_	_			
4	K	<b>×</b>	10		3×4					
		4x12								
		<del> </del>	7-11-0	)	$\rightarrow$					
L	2-0-0 1.00	TC	0.71	DEFL Vert(LL)	in 0.30	(loc) 5-8	l/defl >315	L/d 240	PLATES MT20	<b>GRIP</b> 244/190
cr	1.15 YES	BC WB	0.75 0.00	Vert(CT) Horz(CT)	-0.46 0.12	5-8 2	>205 n/a	180 n/a		
	IRC2015/TPI2014	Matrix-MP							Weight: 51 lb	FT = 20%
			BRACIN TOP CH		Structure	al woo	d sheath	ina dir	ectly applied or	6-0-0 oc nurline
			вот сн		except e	nd ver	ticals.		or 10-0-0 oc brad	
), 5=30	07/ Mechanical, (min.	0-1-8)	WEBS		1 Row a	t midpt	N		4-5	red cross bracing be
, o-ou	, siocitation, (IIIII.	<b>v-1-u)</b>			installed	l durin	g truss e	rection	n, in accordance	with Stabilizer
C 17)	ne 250 (lb) ar lana	ant when the								
AII IOFC	es 250 (lb) or less exc	cept when show	n.							
mi) ) /	od=01mch: TOD! = 5	had popular	_c.	0-1 " = "	6 e ·	gsve		57		
sed;	sd=91mph; TCDL=6.0 end vertical left and ri	ght exposed;C-0	ost; n=30ft; C for memb	Cat. II; Exp ers and force	es & MW	ed; MV FRS fo	vFRS (e r reactio	nveloj ins sh	pe) exterior zone own; Lumber DC	and C-C L=1.60 plate
of 20 o	chord live load noncor	ncurrent with an	y other live	loads.	ud liet NO.	2_nn_n	N wide .	vill er r	naturan tha hat	om abord and
3,	on the bottom on	uji areda (	oro a rec	angle a-vo-	оо кан ыу	Z-00-L	wide \	WIN IIL E	Jerween nie DON	om chora and
truss t	o bearing plate capab nternational Resident	ole of withstandi	ng 108 lb u is R502.11	plift at joint 5	5. 10.2 and	refere	nced eta	ndard	ANSI/TPI 1	
					v.z and		iocu sid	nuaru	ratement I.	

Job	Truss	Truss Type	Qty	Ply	
3301439	PB01	Roof Special Supported Gable	25	1	Job Reference (optional)

Loading	(psf)	Spacing	2-0-0	csı		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	тс	0.02	Vert(LL)	n/a	-	n/a	999		244/190
TCDL	10,0	Lumber DOL	1.15	BC	0.03	Vert(CT)	n/a	_	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MP	7463	` '					Weight: 16 lb	FT = 20%

TOP BOT OTF

REA

FOR

# NOT

- Gable requires continuous bottom chord bearing.

  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.

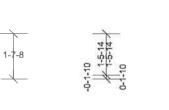
  This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

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

b	Truss		Truss Type		Qty	Ply						
01439	PB01		Roof Special Suppo	orted Gable	25	1	Job	Reference	ce (optio	nal)		
Components				Run: 8,53 S Ja	an 6 20		S Jan 6	5 2022 MiTe	ek Industri	es, Ir	ic, Mon Sep 19 13: 5mlrvHn3v0_rPX1U	05:38 Page: 1 JOj6j9OrCf68TDOqyc40R
						0-6-9 0-6-9	2-1-8 1-6-15	3-8-7 1-6-15	8 8			
							12 <sup>12</sup>	ix6				
		2-1-12	2-0-2	0-5곡	3	12/	Jal .	sil ti	1 5			
e = 1:41,5						3x-		2x4 3 1-14	3×4			
e Offsets (X,	Y): [2:0-2-6,0-1-8]	, [4:0-2-6,0-1-8]										
ading LL (roof) DL LL DL	(psf) 20.0 10.0 0.0*	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.00 1.15 YES	BC WB	0.02	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 4	n/a 9	L/d 999 999 n/a	PLATES MT20	<b>GRIP</b> 244/190
MBER P CHORD	10.0 2x4 SP No.2	Code	IRC2015/TPI2014		RACING		Structu	ral wood	cheathin	a di-	Weight: 16 lb	FT = 20% 4-3-8 oc purlins.
(lb) - N N	2x4 SP No.2 2x4 SP No.3 Il bearings 3-1-14. lax Horiz 2=37 (LC lax Uplift All uplift	100 (lb) or less at join	ot(s) 2, 4, 7, 10		T CHC		Rigid co MiTek installe	eiling dire recomme	ctly appl ends that truss ere	ed o	r 10-0-0 oc brac	ing. ired cross bracing be
RCES TES Unbalance Wind: ASC Exterior (2) grip DOL= Truss desi	(lb) - Max. Cor d roof live loads ha E 7-10; Vult=115m l zone; cantilever le 1.33	np./Max. Ten All for we been considered f ph (3-second gust) Vi ff and right exposed s in the plane of the t	t joint(s) 2, 4, 6, 7, 10 ces 250 (lb) or less exc or this design. asd=91mph; TCDL=6.0 ; end vertical left and rig russ only. For studs ex	psf; BCDL=6.0psf; h ght exposed;C-C for	membe	ers and forc	es & MV	VFRS for	reaction	ssho	own; Lumber DO	L=1.60 plate

Job	Truss	Truss Type	Qty	Ply	
3301439	PB02	Piggyback	19	1	Job Reference (optional)

Run: 8.53 S Jan 6 2022 Print: 8.530 S Jan 6 2022 MiTek Industries, Inc. Mon Sep 19 13:05:38



Scale = 1:39,1 Plate Offsets (X, Y): [3:0-2-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.06	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	0.00	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MP		, ,					Weight: 14 lb	FT = 20%

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

REACTIONS All bearings 3-4-5.

(lb) - Max Horiz 2=28 (LC 9), 6=28 (LC 9)

Max Uplift All uplift 100 (lb) or less at j

Max Grav All reactions 250 (lb) or less

FORCES

(lb) - Max. Comp./Max. Ten. - All

### NOTES

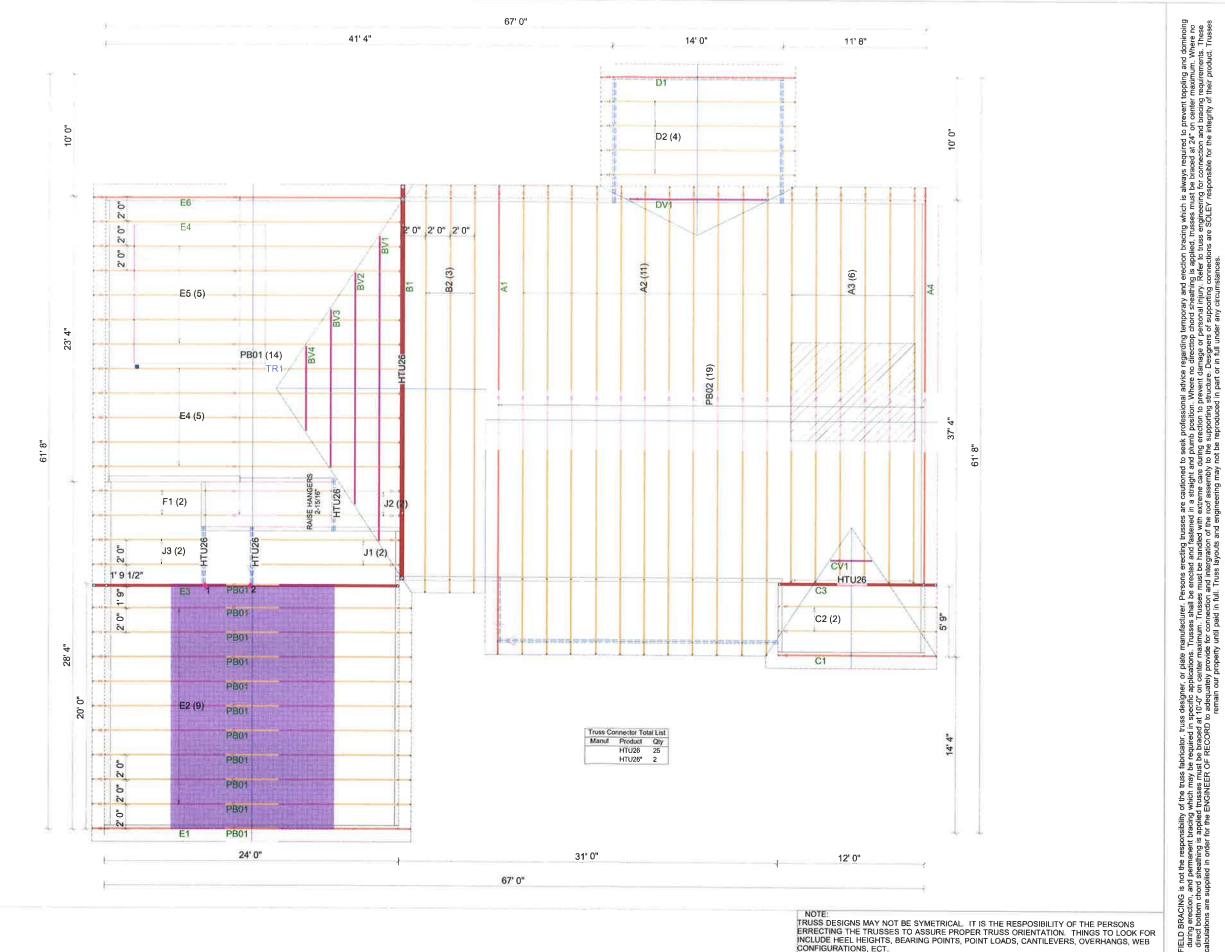
- Unbalanced roof live loads have been considered
   Wind: ASCE 7-10; Vult=115mph (3-second gust)
   Exterior (2) zone; cantilever left and right expose grip DOL=1.33
- Truss designed for wind loads in the plane of the qualified building designer as per ANSI/TPI 1.
  Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf botto
   \* This truss has been designed for a live load of
- 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 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

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

	1	ID:N?D63ERm	ph?Ev_Bl	_PE1Rod	yc7T2-T0	GrgL0I6	mlrvHn3v0_rPX1U	OA6ibOrJf68TDOqyc40R
		0-8-12 0-8-12	2-4-14 1-8-3	4-1 1-8	-1	J-13 J-12		
			8 <sup>12</sup>					
			3	k4				
0-1-10 1-5-14 1-5-14	0-4-7	120	w	3 B1	1 4	5		
7 0		3x4			3x4			
		1	3	-4-5				
2-0-0 1.00 1.15 YES	CSI TC 0.06 BC 0.07 WB 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0,00	(loc) - - 10	I/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20	<b>GRIP</b> 244/190
IRC2015/TPI2014	Matrix-MP						Weight: 14 lb	FT = 20%
	BRACIN TOP CH BOT CH	ORD					rectly applied or or 10-0-0 oc brace	4-10-9 oc purlins. ing.
joint(s) 2, 4, 6, 10			installe	recommed during	g truss e	at Stal	oilizers and requ n, in accordance	red cross bracing be with Stabilizer
s at joint(s) 2, 4, 6, 10 forces 250 (lb) or less exc	ept when shown							
ed for this design. ) Vasd=91mph; TCDL=6.0	psf; BCDL=6.0psf; h=30ft; ght exposed;C-C for memb	Cat. II; Exp	B; Enclo	sed; M\ VFRS fo	WFRS (e	envelo	pe) exterior zone own; Lumber DC	and C-C D=1.60 plate
ne truss only. For studs ex	posed to wind (normal to the	he face), see	Standa	rd Indus	stry Gab	le End	Details as appli	cable, or consult
g.								
	ncurrent with any other live		d llet nn.	v 2-00-r	IN wide:	will fit !	netween the bett	om chord and



IRC 2015 - 115 MPH WIND SPEED CLL: 20 ROOF TCDL: 10 **BUILDERS FIRSTSOURCE** 8401 Planer Mill Rd.
Middlesex, NC 27557
Office: 252.235.4530 | Fax: 252.235.2619
BLDR.com

FILE :3301439

DATE

LoT

SCDL: 10

TRUSS DESIGNS MAY NOT BE SYMETRICAL. IT IS THE RESPOSIBILITY OF THE PERSONS ERRECTING THE TRUSSES TO ASSURE PROPER TRUSS ORIENTATION. THINGS TO LOOK FOR INCLUDE HEEL HEIGHTS, BEARING POINTS, POINT LOADS, CANTILEVERS, OVERHANGS, WEB CONFIGURATIONS, ECT.

