Job	Truss	Truss Type	Qty	Ply	14 Rosemont-Roof-Sullivan
20120036-A	А	Piggyback Base	2	1	Job Reference (optional)

Run: 8.33 S Apr 7 2020 Print: 8.420 S Dec 30 2020 MiTek Industries, Inc. Mon Mar 01 08:27:15 Page: 1 ID:qhi9wEnjkTRG9Acc7QsZ3Szna1 -SxVKNMFX8A86mBykiLhmsuHlvmXd1NgvaZlj?KzfMLA

installed during truss erection, in accordance with Stabilizer

Installation guide.



Scale = 1:86.9

Plate Offsets ()	X, Y): [2:Edge,0-0-13	3], [4:0-3-0,Edge], [5:0)-3-12,0-2-0], [7:0-3-12	,0-2-0]									
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL	(psf) 20.0 18.9/20.0 10.0 0.0*	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2015/TPI2014	CSI TC BC WB Matrix-MSH	0.83 0.72 0.98	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.18 -0.31 0.02	(loc) 13-16 13-16 12	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20	GRIP 244/190	
BCDL	10.0			Malix		l				ļ	Weight: 326 lb	FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS WEDGE REACTIONS	2x4 SP 2400F 2.0 2x6 SP No.2 2x4 SP No.2 *Exc Left: 2x4 SP No.3 (Ib/size) 12=1959)E *Except* T3:2x4 Sl cept* W8:2x4 SP No.(})/0-3-8. (min. 0-2-10).	P No.2, T5:2x4 SP No. 3 19=1542/0-3-8. (min. (1	BRACIN TOP CH BOT CH WEBS	G ORD ORD	Structu except 2-0-0 o Rigid c 1 Row	ral wood ic purlin: eiling di at midp	յ sheath s (5-3-2 rectly aր t	ning dir max.): pplied נ	rectly applied or 5 : 5-7. or 4-3-10 oc brac 5-18, 7-13, 6-′	i-9-10 oc purlins, ing. 16, 8-12	,
	Max Horiz 19=-213	(I C 13)		= 0)			MiTek	recomm	iends th	nat Sta ⁱ	bilizers and requi	red cross bracin	g be

Max Horiz 19=-213 (LC 13)

Max Uplift 12=-58 (LC 12)

Max Grav 12=2248 (LC 2), 19=1844 (LC 40)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-25=-304/459, 25-26=-225/571, 3-26=-224/600, 3-27=-477/105, 4-27=-377/111, 4-5=-376/131, 5-28=-924/128 6-28=-924/128, 6-7=-924/128, 7-8=-869/585, 8-29=-916/1830, 29-30=-936/1779, 30-31=-937/1771, 9-31=-958/1731,

9-32=-1042/1886, 10-32=-1047/1790 BOT CHORD 2-19=-382/329, 18-19=-159/296, 18-33=0/691, 17-33=0/691, 17-34=0/691, 16-34=0/691, 16-35=0/693, 15-35=0/693,

15-36=0/693, 14-36=0/693, 13-14=0/693, 12-13=-452/562, 10-12=-1769/1070

WEBS 5-18=-759/133, 7-13=-933/404, 9-12=-142/336, 7-16=-112/587, 6-16=-650/187, 5-16=-47/658, 3-18=0/983, 8-12=-2384/810, 8-13=-137/929, 3-19=-1757/226

NOTES

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

Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; 2) 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 3)

TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=18.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.

Unbalanced snow loads have been considered for this design. 4)

This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads. 5)

Provide adequate drainage to prevent water ponding. 6)

* This truss has been designed for a live load of 20.0 psf 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 7) any other members, with BCDL = 10.0psf.

8) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 12 and 19. This connection is for uplift only and does not consider lateral forces

9) 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	Truss	Truss Type	Qty	Ply	14 Rosemont-Roof-Sullivan
20120036-A	AA	Piggyback Base	6	1	Job Reference (optional)

Run: 8.33 S Apr 7 2020 Print: 8.420 S Dec 30 2020 MiTek Industries, Inc. Mon Mar 01 08:27:15 Page: 1 ID:ghi9wEnjkTRG9Acc7QsZ3Szna1 -SxVKNMFX8A86mBykiLhmsuHHImWN1R7vaZlj?KzfMLA



Scale = 1:86.9

Plate Offsets (X,	, Y): [2:Edge,0-0-13], [4:0-4-0,Edge], [5:0)-3-12,0-2-0], [7:0-3-12	,0-2-0]									
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.84	Vert(LL)	-0.30	13-16	>999	240	MT20	244/190	
Snow (Pf/Pg)	18.9/20.0	Lumber DOL	1.15	BC	0.80	Vert(CT)	-0.48	13-16	>999	180			
TCDL	10.0	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.08	12	n/a	n/a	1		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MSH	. I						1		
BCDL	10.0	1	,	1	. I	l					Weight: 335 lb	FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS WEDGE REACTIONS ((2x4 SP 2400F 2.0 2x6 SP No.2 2x4 SP No.2 *Exc Left: 2x4 SP No.3 lb/size) 2=1540/0 Max Horiz 2=-213 (I Max Grav 2=1796 (E *Except* T3,T5:2x4 ept* W9,W4:2x4 SP)-3-8, (min. 0-2-2), 12 LC 13) LC 40), 12=2247 (LC	4 SP No.2 No.3 2=1961/0-3-8, (min. 0-2 C 2)	'-10)	BRACIN TOP CHO BOT CHO WEBS	G ORD ORD	Structu except 2-0-0 o Rigid c 5-6-9 c 1 Row MiTek	ral wood c purlins eiling di c bracin <u>at midp</u> recomn	d sheath s (3-3-5 rectly ar ig: 10-1: t nends th	ning dir max.): oplied 2. nat Sta	rectly applied or 3 : 5-7. or 10-0-0 oc brac <u>6-16, 21-22</u> abilizers and requ'	3-6-8 oc purlins, ing, Except: red cross bracir	ng be

Installation guide.

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

 TOP CHORD
 2-30=-2655/414, 30-31=-2429/435, 3-31=-2424/441, 3-32=-2585/563, 4-32=-2380/569, 4-5=-2373/589, 5-33=-1756/457, 6-33=-1756/457, 6-33=-1756/457, 6-7=-1756/457, 7-8=-2600/540, 8-34=-2279/336, 34-35=-2403/311, 35-36=-2406/310, 9-36=-2504/308, 9-37=-793/1374, 10-37=-802/1269

BOT CHORD 2-38=-210/2140, 38-39=-210/2140, 20-39=-210/2140, 19-20=-56/1608, 18-19=-56/1608, 17-18=-56/1608, 16-17=-56/1608, 16-40=-23/1554, 15-40=-23/1554, 15-41=-23/1554, 14-41=-23/1554, 13-14=-23/1554, 12-13=0/1867, 10-12=-1282/836 20-21=-189/882, 5-21=-188/905, 7-13=-129/1099, 9-12=-3112/921, 7-16=-80/545, 6-16=-644/184, 5-22=-73/560,

16-22=-84/562, 3-20=-589/295, 9-13=-186/500, 8-13=-662/302

NOTES

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

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) 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

3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=18.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.

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

5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads.

6) Provide adequate drainage to prevent water ponding.

7) All plates are 2x4 MT20 unless otherwise indicated.

8) * 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.

 One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 12. This connection is for uplift only and does not consider lateral forces.

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.

Job	Truss	Truss Type	Qty	Ply	14 Rosemont-Roof-Sullivan
20120036-A	AA	Piggyback Base	6	1	Job Reference (optional)

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11) 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	14 Rosemont-Roof-Sullivan
20120036-A	ВА	Piggyback Base	6	1	Job Reference (optional)

Run: 8.33 S Apr 7 2020 Print: 8.420 S Dec 30 2020 MiTek Industries, Inc. Mon Mar 01 08:27:16 Page: 1 ID:OiLcs50uMiEeMqAUWyaG93znZsL-w83ibiF9vUGzNLXxF3D?P6qS?Arlmu 2pD2GXmzfML9

-0-10-8 7-9-14 15-4-4 21-7-0 27-9-12 35-2-6 43-2-0 7-11-10 7-9-14 7-6-6 6-2-12 6-2-12 7-4-10 0-10-8 5x6= 2x4 II 5x6= 5 6 7 3x6 3x6 🕏 8 4 8¹² 3x6 2x4 I 9 3 11-1-5 11-0-0 W1 3x5. 10 99AV2 fpfiw1 0-9-3 ∦ 17 16 25 15 26 14 27 13 28 12 29 30 4x8ı 4x61 4x5= 4x8= 4x8= 4x8= 4x5= 2x4 II 9-6-0 7-1-12 7-0-0 21-7-0 33-8-0 43-2-0 7-0-0 12-1-0 12-1-0 9-6-0 0-1-12 2-4

Scale = 1:75.1

Plate Offsets (X, Y): [2:Edge,0-0-13], [5:0-3-12,0-2-0], [7:0-3-12,0-2-0], [11:Edge,0-0-13] Loading Spacing 2-0-0 CSI DEFL (loc) l/defl L/d PLATES GRIP (psf) in Plate Grip DOL 0.87 Vert(LL) 240 244/190 TCLL (roof) 20.0 1.15 TC -0.21 12-14 >999 MT20 Snow (Pf/Pg) 18.9/20.0 Lumber DOL 1.15 BC 0.79 Vert(CT) -0.36 12-14 >999 180 TCDL 10.0 Rep Stress Incr YES WB 0.72 Horz(CT) 0.04 11 n/a n/a Matrix-MSH BCLL Code IRC2015/TPI2014 0.0 BCDL 10.0 Weight: 291 lb FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2 *Except* T4,T5:2x4 SP No.1	TOP CHORD	Structural wood sheathing directly applied, except
BOT CHORD	2x6 SP No.2		2-0-0 oc purlins (4-9-4 max.): 5-7.
WEBS	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEDGE	Left: 2x4 SP No.3	WEBS	1 Row at midpt 3-17, 5-16, 6-14, 7-14
SLIDER	Right 2x4 SP No.3 2-4-3		MiTek recommends that Stabilizers and required cross bracing be
REACTIONS (I	b/size) 11=1213/ Mechanical, (min. 0-1-8), 17=1871/0-3-8, (min. 0-2-8) lax Horiz 17=210 (LC 10)		installed during truss erection, in accordance with Stabilizer Installation guide.
N	lax Grav 11=1483 (LC 26), 17=2144 (LC 3)		

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

 TOP CHORD
 2-3=-292/583, 3-4=-503/91, 4-5=-425/112, 5-6=-1242/323, 6-7=-1242/323, 7-8=-1932/473, 8-9=-2069/451,

9-10=-2103/334, 10-11=-860/0 BOT CHORD 2-17=-372/322, 16-25=-46/819, 15-25=-46/819, 15-26=-46/819, 14-26=-46/819, 14-27=0/1212, 13-27=0/1212,

13-28=0/1212, 12-28=0/1212, 12-29=-159/1687, 29-30=-159/1687, 11-30=-159/1687

WEBS 3-17=-2024/362, 3-16=0/1230, 5-16=-1071/265, 5-14=-118/920, 6-14=-415/176, 7-12=-184/921, 9-12=-445/289

NOTES

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

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) 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

3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=18.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.

4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads.

5) Provide adequate drainage to prevent water ponding.

6) * This truss has been designed for a 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.

7) Refer to girder(s) for truss to truss connections.

One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 17. This connection is for uplift only and does not consider lateral forces.

9) 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	Truss	Truss Type	Qty	Ply	14 Rosemont-Roof-Sullivan
20120036-A	BE	Piggyback Base Supported Gable	1	1	Job Reference (optional)

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Scale = 1:75.2

Plate Offsets (X, Y): [11:0-4-8,0-2-8], [19:0-4-8,0-2-8], [28	:Edge,0-3-8]									
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 18.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2015/TPI2014	CSI TC BC WB Matrix-MSH	0.74 0.76 0.22	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a -0.02	(loc) - - 29	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 361 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS SLIDER	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 2x4 SP No.2 *Exc Left 2x4 SP No.3	ept* ST3,ST2,ST1:2x 1-9-9	4 SP No.3		BRACIN TOP CH BOT CH WEBS	G ORD ORD	Structur except e Rigid ce 1 Row a	al wood end verf eiling dir at midpt	l sheath icals, ai ectly ap	ing dire nd 2-0- plied o	ectly applied or 6 -0 oc purlins (10-0 or 6-0-0 oc bracin 15-41, 14-42, 7 8-47, 16-40, 17	0-0 oc purlins, 0-0 max.): 11-19. g. 13-43, 12-45, 10-46, 7-39, 18-37, 20-36,
REACTIONS (lb) -	All bearings 35-10-8. Max Horiz 49=222 (Max Uplift All uplift 39, 40, 4 2), 49=-1 Max Grav All reactio 36, 39, 4((LC 2), 43	LC 12) 100 (lb) or less at joint 1, 42, 43, 46, 47 exce 45 (LC 13) ons 250 (lb) or less at 0, 41, 42, 43, 46, 48 e 5=408 (LC 29), 47=25	(s) 30, 31, 32, 33, 34, pt 29=-452 (LC 26), 4{ joint(s) 29, 31, 32, 33, xcept 30=393 (LC 26) 5 (LC 2), 49=833 (LC	35, 36, 3=-276 (LC , 34, 35, , 37=402 2)							22-35	
FORCES TOP CHORD	(lb) - Max. Con 2-3=-314/255, 10-11=-5/469, 17-18=-11/383, 24-25=-172/50	np./Max. Ten All forc 3-4=-288/488, 4-5=-2 11-12=-11/383, 12-13 , 18-19=-11/383, 19-2 7, 25-26=-232/523, 22	es 250 (lb) or less exc 64/530, 5-6=-233/571, =-11/383, 13-14=-11/3 0=-6/468, 20-21=-17/4 5-27=-285/530, 27-28=	cept when shown 6-7=-50/411, 7- 83, 14-15=-11/3 199, 21-22=-25/2 377/599, 28-29	n. 8=-68/511 83, 15-16= 169, 22-23: 9=-237/350	, 8-9=0/436, -11/383, 16- -56/493, 23	9-10=0/4 17=-11/3 -24=-114	96, 83, /494,				
WEBS	2-52=-383/329 45-46=-447/31 38-39=-447/31 31-32=-447/31 12-45=-362/17	, 51-52=-383/329, 50- 1, 44-45=-447/311, 43 1, 37-38=-447/311, 36 1, 30-31=-447/311, 29 , 6-49=-409/307, 18-3	51=-383/329, 49-50=- -44=-447/311, 42-43= -37=-447/311, 35-36= -30=-447/311 7=-361/17	383/329, 48-49= -447/311, 41-42 -447/311, 34-35	=-447/311, =-447/311, =-447/311,	47-48=-447, 40-41=-447 33-34=-447	/311, 46-4 //311, 39- //311, 32-	47=-447 40=-44 33=-44	7/311, 7/311, 7/311,			
NOTES												
1) Unbalan	ced roof live loads ha	ve been considered fo	or this design.									
2) Wind: AS	SCE 7-10; Vult=130m	ph (3-second gust) Va	sd=103mph; TCDL=6	.0psf; BCDL=6.0	0psf; h=25f	t; Cat. II; Ex	p B; Encl	osed; N	IWFRS	(envelo	ope) and C-C Ext	terior (2) zone;
cantileve	er left and right expose	ed ; end vertical left ar	nd right exposed;C-C f	or members and	forces &	MWFRS for	reactions	shown	; Lumbe	r DOL	=1.60 plate grip [DOL=1.33
J) Iruss de	esigned for wind loads	s in the plane of the tr	uss only. For studs ex	posed to wind (i	normai to t	ne face), see	e Standar	a indus	try Gab	ie End	Details as applic	apie, or consult

qualified building designer as per ANSI/TPI 1. TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=18.9 psf (flat roof snow: Lumber DOL=1.15 Plate 4) DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.

5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads.

Provide adequate drainage to prevent water ponding. 6)

7) All plates are 2x4 MT20 unless otherwise indicated.

8) Gable studs spaced at 2-0-0 oc.

Job	Truss	Truss Type	Qty	Ply	14 Rosemont-Roof-Sullivan
20120036-A	BE	Piggyback Base Supported Gable	1	1	Job Reference (optional)

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ID:eEpoDsRRIUAFJEJG4klilsznqUO-w83ibiF9vUGzNLXxF3D?P6qU1AsEm0p2pD2GXmzfML9 9) * 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.

One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 29, 41, 42, 43, 45, 46, 47, 48, 49, 40, 39, 37, 36, 35, 34, 33, 32, 31, and 30. 10) This connection is for uplift only and does not consider lateral forces. Non Standard bearing condition. Review required.

11)

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

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





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



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

14) 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		Qtv	Ply	14 6	Rosemont-R	oof-Sulliv	/an]
20120036-A	EA		Attic		1	1	l.h	Deferrer			
Carter Components,	Sanford, NC, user			Run: 8.3	3 S Apr 7 2020	Print: 8.420	JOD) S Dec 30	2020 MiTek I	optional)	Inc. Mon Mar 01 08	8:27:18 Page: 1
	, -,				ID:RZho	oszQkp4ALc	17YUP9C)jkznqQY-sWE	S00HPR	5WhdehJNUFTUX	vq0zexEkZLGXXNcezfML7
		-0-10-8		1	12-2-2 10-9-0				22.	-4-8	
			5-5-4	9-3-14	1-5-21-5-2	16-0-12	$\frac{2}{1}$	21-6-0		\rightarrow	
		0-10-8	0.0 4	0-10-10	1-0-211-0-21	0-10-10	, ,	0-0-4	0-1	0-8	
			Ļ		10-4-0						
					4x6=		I				
	<u> </u>				5						
				2x	x4= 2x4	=					
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		3x6							3x6	II	
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		4x5	= 8x1	0=			8x10=		4x5=		
		I.	570		15 11 0			21 6 0	1		
Scale = 1:65.1		ŕ	5-7-0		10-4-0		ł	5-7-0			
Plate Offsets (X, Y	Y): [5:0-3-0,Edge], [11:0-5-0,	Edge], [12	:0-5-0,Edge]								
Loading	(psf) Spacing		2-0-0	CSI	1	DEFL	in	(loc) l/d	efl L/d	PLATES	GRIP
TCLL (roof) Snow (Pf/Pg)	20.0 Plate Gri 13.9/20.0 Lumber I	p DOL DOL	1.15 1.15	TC BC	0.71	Vert(LL) Vert(CT)	-0.22 -0.33	11-12 >9 11-12 >7	99 240 74 180	MT20	244/190
TCDL	10.0 Rep Stre	ss Incr	YES	WB	0.97	Horz(CT)	0.01	10 r	l/a n/a		
BCDL	10.0 Code		IRC2015/1PI2014	Matrix-MSH	ľ	AIIIC	-0.10	11-12 >9	99 360	Weight: 184 I	b FT = 20%
			-		I					_	
LUMBER TOP CHORD	2x6 SP 2400F 2.0E				TOP CHO	RD	Structu	ral wood sh	eathing d	irectly applied o	r 6-0-0 oc purlins,
BOT CHORD	2x6 SP No.2 *Except* B2:2x	10 SP 240	00F 2.0E			PN	except Pigid o	end vertical	S.	or 10.0.0 oc br	scing
REACTIONS (Ib.	/size) 10=871/0-3-8. (min.	0-1-8). 13	3=871/0-3-8. (min. 0-1-	8)	BOT CHO		MiTek	recommend	s that Sta	abilizers and req	uired cross bracing be
Ma	ax Horiz 13=232 (LC 12)	2-1220 //	C 26)	- /			installe Installa	ed during tru ation auide.	ss erectio	on, in accordanc	e with Stabilizer
FORCES	(lb) - Max. Comp./Max. Te	en All for	ces 250 (lb) or less ex	cept when show	vn.			5			
TOP CHORD	2-3=-509/215, 3-4=-852/1	75, 4-5=-	76/575, 5-6=-77/575, 6	-7=-852/175, 7·	-8=-509/215, 2	2-13=-587	/215, 8-1	0=-587/214			
WEBS	7-11=0/622, 3-12=0/622,	4-6=-1505	5/335, 3-13=-1009/0, 7-	10=-1009/0							
NOTES	raaf live laada baya baan aa	naidarad	for this design								
2) Wind: ASCE	7-10; Vult=130mph (3-seco	nd gust) V	asd=103mph; TCDL=6	.0psf; BCDL=6	.0psf; h=25ft;	Cat. II; Ex	p B; Enc	losed; MWF	RS (enve	elope) and C-C E	Exterior (2) zone;
cantilever le 3) TCLL: ASCE	ft and right exposed ; end ve E 7-10; Pr=20.0 psf (roof live	rtical left a load: Lum	and right exposed;C-C ber DOL=1.15 Plate D	for members ar OL=1.15): Po=	nd forces & M 20.0 psf (arou	WFRS for ind snow):	reactions Pf=13.9	s shown; Lu psf (flat roo	mber DO snow: L	L=1.60 plate gri umber DOL=1.1	p DOL=1.33 5 Plate
DOL=1.15);	Category II; Exp B; Fully Exp	o.; Ct=1.10) of live load of 12.0 pcf	-,, - 3 ·	nt roof load of	13 0 nof -	n overhe			with other live la	ada
5) * This truss	has been designed for a live	load of 20	0.0psf on the bottom ch	ord in all areas	where a recta	angle 3-06	-00 tall b	y 2-00-00 w	de will fit	between the bo	ottom chord and
any other m6) Ceiling deac	embers. I load (5.0 psf) on member(s). 3-4, 6-7	, 4-6; Wall dead load (5.0psf) on merr	nber(s).7-11. 3	-12					
7) Bottom chor	rd live load (40.0 psf) and add	ditional bo	ttom chord dead load (0.0 psf) applied	l only to room	. 11-12	nie conno	oction is for :	nlift only	and door not a	onsider latoral
forces.		su lo conn	eet truss to bearing Wa	ins que lo UPLI	i i atjt(S) 13 :	anu iv. If	IIS CONNE	รงแบบ เร 101 ไ	μιιι υπιγ	anu uues not co	
 This truss is Attic room c 	designed in accordance with becked for L/360 deflection	n the 2015	International Resident	ial Code sectio	ns R502.11.1	and R802	.10.2 and	d referenced	standar	d ANSI/TPI 1.	

9) This truss is designed in accordance with10) Attic room checked for L/360 deflection.

Job	Truss	Truss Type	Qty	Ply	14 Rosemont-Roof-Sullivan
20120036-A	EC	Attic	3	1	Job Reference (optional)

Run: 8.33 S Apr 7 2020 Print: 8.420 S Dec 30 2020 MiTek Industries, Inc. Mon Mar 01 08:27:18 Page: 1 ID:RZhoszQkp4ALq17YUP9OjkznqQY-sWBS0OHPR5WhdehJNUFTUXvq0zexEkFLGXXNcezfML7



0 1 1051	, 5-7-0	15-11-0	21-6-0
Scale = 1:65.1	5-7-0	10-4-0	5-7-0

Plate Offsets (X, Y): [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	1.15	тс	0.71	Vert(LL)	-0.22	10-11	>999	240	MT20	244/190
Snow (Pf/Pg)	13.9/20.0	Lumber DOL	1.15	BC	0.36	Vert(CT)	-0.33	10-11	>771	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.99	Horz(CT)	0.01	9	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MSH		Attic	-0.10	10-11	>999	360		
BCDL	10.0										Weight: 184 lb	FT = 20%

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LUMBER		BRACING	
TOP CHORD	2x6 SP 2400F 2.0E	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins,
BOT CHORD	2x6 SP No.2 *Except* B2:2x10 SP 2400F 2.0E		except end verticals.
WEBS	2x4 SP No.2 *Except* W5,W1:2x4 SP No.3	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
REACTIONS (It	o/size) 9=872/0-3-8, (min. 0-1-8), 12=830/0-3-8, (min. 0-1-8)		MiTek recommends that Stabilizers and required cross bracing be
M	ax Horiz 12=-228 (LC 11)		installed during truss erection, in accordance with Stabilizer
M	ax Grav 9=1230 (LC 27), 12=1183 (LC 26)		Installation guide.
FORCES	(lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when	shown.	
TOP CHORD	1-2=-469/183, 2-3=-854/174, 3-4=-72/503, 4-5=-73/504, 5-6=-853/1	74, 6-7=-508/215, 1-12=-50	09/176, 7-9=-586/215

BOT CHORD 11-12=0/831, 10-11=0/860, 9-10=0/822

WEBS 6-10=0/623, 2-11=0/621, 3-13=-1456/330, 5-13=-1456/330, 2-12=-1032/0, 6-9=-1011/0

NOTES

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

Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; 2) 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

3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10

This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads. 4)

5) * 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

6) Ceiling dead load (5.0 psf) on member(s). 2-3, 5-6, 3-13, 5-13; Wall dead load (5.0 psf) on member(s).6-10, 2-11

7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 10-11

One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 12 and 9. This connection is for uplift only and does not consider lateral 8) forces.

9) 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) Attic room checked for L/360 deflection.

Job	Truss	Truss Type	Qty	Ply	14 Rosemont-Roof-Sullivan
20120036-A	ED	Attic	3	1	Job Reference (optional)

Run: 8.42 S Dec 30 2020 Print: 8.420 S Dec 30 2020 MiTek Industries, Inc. Mon Mar 01 08:27:18 Page: 1 ID:KRzDCQmz6DW8gvxOqV2iaUznp6A-sWBS0OHPR5WhdehJNUFTUXvtCzY?ExmLGXXNcezfML7





Scale = 1:64.1

Plate Offsets (X, Y): [3:0-2-9,0-2-12], [4:0-3-0,Edge], [5:0-2-9,0-2-12], [9:0-5-0,Edge], [13:Edge,0-3-4]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.57	Vert(LL)	-0.10	12	>999	240	MT20	244/190
Snow (Pf/Pg)	13.9/20.0	Lumber DOL	1.15	BC	0.74	Vert(CT)	-0.19	12	>688	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.63	10	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MSH		Attic	0.05	9-10	>515	360		
BCDL	10.0										Weight: 178 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD BOT CHORD	2x6 SP No.2 2x10 SP 2400F 2.0E *Except* B3:2x6 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
WEBS	2x4 SP No.3 *Except* W5:2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
REACTIONS A (Ib) - N	All bearings 0-3-8. except 8=0-3-8, 15=0-3-8 /lax Horiz 15=211 (LC 12) /lax Uplift All uplift 100 (lb) or less at joint(s) 8, 15		MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
Ν	Aax Grav All reactions 250 (lb) or less at joint(s) except 8=322 (LC 27), 10=621 (LC 26), 11=698 (LC 26), 15=590 (LC 27)		
FORCES	(lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when sh	own.	

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

TOP CHORD 1-2=-351/255, 2-3=-341/265, 3-4=-440/0, 4-5=-500/39, 5-6=-354/265, 13-15=0/351, 1-15=0/351

WEBS 2-12=-756/143, 6-9=-676/107, 3-5=-210/621, 2-13=-138/320, 1-15=-615/137

NOTES

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

Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; 2) 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

3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10

* 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 4) any other members

Ceiling dead load (5.0 psf) on member(s). 2-3, 5-6, 3-5; Wall dead load (5.0 psf) on member(s).2-12, 6-9 5)

Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 11-12, 9-10 6)

7) Refer to girder(s) for truss to truss connections.

Bearing at joint(s) 15 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface. 8)

9) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 8 and 15. This connection is for uplift only and does not consider lateral forces

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)

Attic room checked for L/360 deflection. 11)

Job	Truss	Truss Type		Otv	Phy	14 Rosemont-Roof-Sullivan
20120036-A	FE				1 Fiy	
20120030-A		Attic				Job Reference (optional)
Carlor Componente, Carlo	-0-10-8 -0-10-8	5-5-4 [5-5-4 1	11 <u>9-3-14 </u> 3-10-10 11	12-2-2 -9-0 -5-211-5-21	16-0-12 3-10-10	17YUP9OjkznqQY-sWBS0OHPR5WhdehJNUFTUXvqhzbzErzLGXXNcezfML7
	10-10-11 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	10 ¹² 5x6 × 4 61 × 2 × 3 51 × 5 23 × 12 × 13 18 17 16	8-2-4	5x6= 6 314 20 B2	7	5x6 8 y3 x12 y24 y3 x12 y15 14 13 x12
	MT20	HS 8x12 = 8x1	0=			8x10=
Scale = 1:65.1	4	5-7-0		15-11-0		
Plate Offsets (X_Y): [4	·0-2-8 0-2-121 [8·0-2-8 0-2-12]	5-7-0 I [15:0-3-8 0-4-8] [16:0-3-	-8 0-4-81	10-4-0		5-7-0
	(nsf) Snacing	2-0-0				
TCLL (roof) Snow (Pf/Pg) TCDL BCLL	20.0 Plate Grip DOL 13.9/20.0 Lumber DOL 10.0 Rep Stress Incr 0.0* Code	1.15 1.15 YES IRC2015/TPI2014	TC BC WB Matrix-MSH	0.73 0.55 0.56	Vert(LL) Vert(CT) Horz(CT) Attic	-0.24 15-16 >699 240 MT20 244/190 -0.37 15-16 >697 180 MT20HS 187/143 0.01 12 n/a n/a 0.03 17-18 >787 360
LUMBER TOP CHORD 2x6 3 BOT CHORD 2x6 3 WEBS 2x4 3 OTHERS 2x4 3 REACTIONS (lb/size) Max Ho Max Gr	SP 2400F 2.0E SP No.2 *Except* B2:2x10 SP 2 SP No.2 SP No.3 12=885/0-3-8, (min. 0-1-8), riz 19=232 (LC 12) av 12=1275 (LC 27), 19=1428	400F 2.0E 19=932/0-3-8, (min. 0-1- ′LC 26)	1	BRACING TOP CHC BOT CHC JOINTS	s RD PRD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing. 1 Brace at Jt(s): 22, 25 MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
FORCES (III TOP CHORD 2- BOT CHORD 18 WEBS 8- 4- NOTES	o) - Max. Comp./Max. Ten All f 3=-711/57, 3-4=-785/154, 4-5=- 19=-679/73, 10-12=-459/139 3-19=0/907, 17-18=0/907, 16-17 15=-53/1085, 4-16=-116/883, 5- 21=-951/140, 8-24=-1321/27, 2-	orces 250 (lb) or less ex 202/160, 5-6=-46/576, 6- =0/907, 15-16=0/940, 12 20=-1615/277, 7-20=-16 I-25=-960/0, 25-26=-871	cept when show 7=-52/551, 7-8 1-15=0/867, 13- 15/277, 19-23= /0, 12-26=-105	n. =-922/154, 8 14=0/867, 12 -876/6, 22-2: 7/0, 14-24=-4	-9=-616/20 2-13=0/867 3=-755/0, 2 442/93, 9-2	2, 9-10=-486/125, 21-22=-836/0, 6=-252/71
 Unbalanced roof Wind: ASCE 7-11 cantilever left and Truss designed 1 qualified building TCLL: ASCE 7-11 DOL=1.15); Cate This truss has be All plates are MT All plates are 2x4 Gable studs spac * This truss has be any other member Ceiling dead load 	live loads have been considered); Vult=130mph (3-second gust) d right exposed ; end vertical left for wind loads in the plane of the designer as per ANSI/TPI 1. 0; Pr=20.0 psf (roof live load: Lu gory II; Exp B; Fully Exp.; Ct=1. en designed for greater of min r 20 plates unless otherwise indicate ted at 2-0-0 oc. been designed for a live load of 2 ers. I (5.0 psf) on member(s). 4-5, 7- load (400 psf) and additional b	I for this design. Vasd=103mph; TCDL=6 and right exposed;C-C i truss only. For studs ex mber DOL=1.15 Plate D 10 pof live load of 12.0 psf o ated. 20.0psf on the bottom ch 8, 5-20, 7-20; Wall dead	0.0psf; BCDL=6. for members an (posed to wind (OL=1.15); Pg=2 or 2.00 times fla ord in all areas	Opsf; h=25ft; d forces & M normal to the 0.0 psf (grou t roof load of where a rect n member(s)	Cat. II; Ex WFRS for e face), see und snow); 13.9 psf o angle 3-06- 0.8-15, 4-16	 p B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; reactions shown; Lumber DOL=1.60 plate grip DOL=1.33 e Standard Industry Gable End Details as applicable, or consult Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate n overhangs non-concurrent with other live loads. -00 tall by 2-00-00 wide will fit between the bottom chord and 5, 17-21, 18-22 -17, 15-16

12) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 19 and 12. This connection is for uplift only and does not consider lateral forces.

13)

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. NOTE: DUE TO THE OVERALL LENGTH TO DEPTH RATIO OF THE ROOM, THE FLOOR MAY EXHIBIT OBJECTIONABLE VIBRATION AND OR BOUNCE. BUILDING DESIGNER TO CONSIDER PROVIDING MEANS TO DAMPEN THESE EFFECTS. TRUSS DESIGN SHALL BE REVIEWED AND APPROVED PRIOR TO 14) MANUFACTURING.

15) Attic room checked for L/360 deflection.

Job	Truss	Truss Type	Qty	Ply	14 Rosemont-Roof-Sullivan
20120036-A	EE	Attic	1	1	Job Reference (optional)
Carter Components, Sanford, NC, user			r 7 2020 Pri	nt: 8.420 S E	Dec 30 2020 MiTek Industries, Inc. Mon Mar 01 08:27:18 Page: 2

LOAD CASE(S) Standard

ID:RZhoszQkp4ALq17YUP9OjkznqQY-sWBS0OHPR5WhdehJNUFTUXvqhzbzErzLGXXNcezfML7



and Control of the second gust vasion compt, is DDL=0.005, DDL=0.005, In=201, Cal. II, EXP B, Eliciosed, MWFRS (envelope) and C-C Extend (2) 2016 (and control of the second gust vasion control of the second gust vasion (2) 2016 (and control of the second gust vasion control of the second gust vasion (2) 2016 (and control of the second gust vasion (2)

DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10

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.

5) Ceiling dead load (5.0 psf) on member(s). 2-3, 5-6, 3-12, 5-12; Wall dead load (5.0 psf) on member(s).2-10, 6-9

6) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 9-10

7) Bearing at joint(s) 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

8) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 8 and 14. This connection is for uplift only and does not consider lateral forces.

9) 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) Attic room checked for L/360 deflection.

loh	Truco				Otv	Ply	14 Rosemont F	Poof-Sulliva	n	1
20120036-A	FG		Attic		1	2	14 Rosemone-	Cool-Ouliiva		
Carter Componen	ts Sanford NC user		Auic	Pup: 8 33 S A	or 7 2020 P	rint: 8 420 S F	Job Reference	(optional)	o Mon Mar 01 08:	27:10 Page: 1
Carter Componen	is, Samord, NC, user			Run: 0.33 5 A	ID:Cxz	075ZsH0h5Z	Y2VxO97tXznZZZ-I	KjlqDkl2CPe	YEoGVxBmi1kS10	N03zNNVVBGw85zfML6
		}–	5-8-12 . 5-8-12 .	12 10-9-0 <u>9-3-12 </u> 3-7-0 11-5-411-	-2-4 <u> 1</u> -5-4 4	6-4-4 -2-0	21-6-0 5-1-12	_		
			ŕ	10	-0					
				5x6 4	=					
	10-10-11 1-7-11 10-10-11	00 20 20 10-11-3 11 3x5 4x	10 ¹² 4x5 ± 2 W3 W4 B1 5= 8x10	4x5 2 4 3 4 12 2x4 0 2x4 0 2x4 0 12 2x4 0 12 2x4 0 12 12 12 12 12 12 12 12 12 12	4x5\$ 5 5 8 82	12 2x4 W 9 8x1	4 II 6 7 7 8 8 8 3 0=	4x6 7 8 2x4 II	1-0-0	
Scale = 1:68.1		0-3-8	<u>5-10-8</u> 5-7-0	<u> </u>	2-8 I-0		<u>21-6-0</u> 5-3-8			
Plate Offsets (X	(, Y): [3:0-2-1,0-2-0]	, [5:0-2-1,0-2-0], [9:0	-4-8,0-3-8], [10:0-5-0,Ec	lge]						
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 13.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO IRC2015/TPI2014	CSI TC BC WB Matrix-MSH	0.63 Ve 0.24 Ve 0.14 Ho Att	EFL rt(LL) -(rt(CT) -(vrz(CT) -(ic -(in (loc) l/c 0.13 9-10 >9 0.19 9-10 >9 0.01 8 1 0.05 9-10 >9	defl L/d 1999 240 1999 180 n/a n/a 1999 360	PLATES MT20 Weight: 357 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS REACTIONS	2x6 SP No.2 2x6 SP No.2 *Exo 2x4 SP No.2 *Exo (lb/size) 8=832/0-	xept* B2:2x10 SP 24(xept* W6,W9,W8,W1 3-8, (min. 0-1-8), 14:)0F 2.0E 2x4 SP No.3 :810/0-3-8, (min. 0-1-8)	BI TC B(RACING DP CHORE DT CHORE	D St ex D Ri	ructural wood sh cept end vertical gid ceiling direct	eathing dire s. ly applied of	ectly applied or 6 r 10-0-0 oc brac	δ-0-0 oc purlins, ing.
	Max Horiz 14=212(Max Grav 8=1199(LC 8) LC 23), 14=1157 (LC	22)							
FORCES TOP CHORD BOT CHORD WEBS NOTES 1) 2-ply trust	(lb) - Max. Cor 1-2=-703/55, 2 10-11=0/808, 9 2-10=-3/596, 6	np./Max. Ten All for -3=-830/48, 3-4=-8/4 9-10=0/834 -9=-61/461, 3-12=-1- gether with 10d (0.1	ces 250 (lb) or less exc 65, 4-5=-16/465, 5-6=- 436/43, 5-12=-1436/43, 41"x3") nails as follows:	ept when shown. 844/40, 6-7=-1227/0 7-9=0/736, 2-11=-6), 7-8=-114 25/0, 1-14:	4/0, 11-14= =-1239/0	0/537, 1-14=0/53	37		
2) All loads a distribute	is connected as folic fords connected as follows: 2x are considered equa only loads noted as	iollows: 2x6 - 2 rows stay follows: 2x6 - 2 rows (4 - 1 row at 0-9-0 oc lly applied to all plies (F) or (B), unless oth	gered at 0-9-0 oc, 2x4 staggered at 0-9-0 oc, 2 , except if noted as fror erwise indicated.	- 1 row at 0-9-0 oc. 2x10 - 2 rows stagg nt (F) or back (B) fac	ered at 0-9 e in the LC	-0 oc.)AD CASE(S) section. Ply to	o ply connec	ctions have beer	n provided to
 Unbalanc Wind: AS(exposed ; TCLL: AS 	ed roof live loads ha CE 7-10; Vult=130m end vertical left and CE 7-10; Pr=20.0 pe	ve been considered ph (3-second gust) V I right exposed; Lum sf (roof live load: Lum	or this design. asd=103mph; TCDL=6 per DOL=1.60 plate grip ber DOL=1.15 Plate DO	0psf; BCDL=6.0psf 0 DOL=1.33 0L=1.15); Pg=20.0	; h=25ft; Ca osf (ground	at. II; Exp B I snow); Pf=	; Enclosed; MWF 13.9 psf (flat roo	RS (envelo	ope); cantilever l nber DOL=1.15	eft and right Plate
 DOL=1.15 * This trus any other Ceiling de Bottom ch 	b); Category II; Exp ss has been designe members. ad load (5.0 psf) on hord live load (40.0 p	b; ⊢ully Exp.; Ct=1.10 d for a live load of 20 member(s). 2-3, 5-6 psf) and additional bo	Opsf on the bottom cho 3-12, 5-12; Wall dead ttom chord dead load (0	ord in all areas wher load (5.0psf) on me 0.0 psf) applied only	e a rectang mber(s).2- to room. 9	gle 3-06-00 10, 6-9 -10	tall by 2-00-00 w	ride will fit b	etween the bott	om chord and
 9) Bearing a 10) One RT7/ forces. 11) This truss 	t joint(s) 14 consider A USP connectors re	rs parallel to grain va commended to conn rdance with the 2015	ue using ANSI/TPI 1 ar ect truss to bearing wal	ngle to grain formula Is due to UPLIFT at	. Building jt(s) 8 and 502.11.1 ar	designer sh 14. This co nd R802.10	nould verify capa nnection is for up 2 and referenced	city of beari plift only and d standard A	ing surface. d does not cons ANSI/TPI 1.	ider lateral
12) Attic room	h checked for L/360	deflection.								

Job	Truss	Truss Type	Qty	Ply	14 Rosemont-Roof-Sullivan
20120036-A	F	Common	2	1	Job Reference (optional)

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6-0-8	12-1-0
6-0-8	6-0-8

Plate Offsets (X, Y): [2:Edge,0-0-12], [4:Edge,0-0-12]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.19	Vert(LL)	0.01	5-11	>999	240	MT20	244/190
Snow (Pf/Pg)	13.9/20.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.02	5-11	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 77 lb	FT = 20%

LUMBER

Scale = 1:41.2

 TOP CHORD
 2x6 SP No.2

 BOT CHORD
 2x6 SP No.2

 WEBS
 2x4 SP No.3

 WEDGE
 Left: 2x4 SP No.3

 Right: 2x4 SP No.3

 REACTIONS
 (lb/size)
 2=443/0-3-8, (min. 0-1-8), 4=408/0-3-8, (min. 0-1-8)

 Max Horiz
 2=107 (LC 10)
 Max Grav
 2=526 (LC 2), 4=482 (LC 2)

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

- TOP CHORD 2-3=-514/127, 3-4=-513/127
- BOT CHORD 2-5=-144/309, 4-5=0/309

NOTES

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

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) 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
 3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate

DOLE1.15); Category II; Exp B; Fully Exp; Ct=1.10 4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads.

5) * 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. 6) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4 and 2. This connection is for uplift only and does not consider lateral

forces

7) 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.

LOAD CASE(S) Standard

BRACING TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

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

Job	Truss	Truss Type	Qty	Ply	14 Rosemont-Roof-Sullivan
20120036-A	FE	Common Supported Gable	1	1	Job Reference (optional)

Run: 8.33 S Apr 7 2020 Print: 8.420 S Dec 30 2020 MiTek Industries, Inc. Mon Mar 01 08:27:20 Page: 1 ID:?mnZDHkKmwBXV1?BLalubOznZNj-pvJDR4JgzjmPsyriUvHxZy_KBnPFisfekr0TgXzfML5

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

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

Rigid ceiling directly applied or 6-0-0 oc bracing.

except end verticals.

Installation guide.





Scale = 1:42.1			<u>}</u>			12-1-0						
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 13.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2015/TPI2014	CSI TC BC WB Matrix-MR	0.09 0.05 0.10	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 9	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 70 lb	GRIP 244/190 FT = 20%

BRACING TOP CHORD

BOT CHORD

LU	MBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3 *Except* ST3:2x4 SP No.2

REACTIONS All bearings 12-1-0.

(lb) - Max Horiz 15=129 (LC 10)

Max Uplift All uplift 100 (lb) or less at joint(s) 9, 10, 11, 13, 14, 15

Max Grav All reactions 250 (lb) or less at joint(s) 9, 10, 11, 12, 13, 14, 15

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

NOTES

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

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) 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 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.
 TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate

DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10

5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads.

6) All plates are 2x4 MT20 unless otherwise indicated.

7) Gable requires continuous bottom chord bearing.

8) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

9) Gable studs spaced at 2-0-0 oc.

10) * 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.

11) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 15, 9, 12, 13, 14, 11, and 10. This connection is for uplift only and does not consider lateral forces.

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



One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4 and 2. This connection is for uplift only and does not consider lateral forces.

9) 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) Use USP THD26 (With 18-16d nails into Girder & 12-10d x 1-1/2 nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 2-0-12 from the left end to 10-0-12 to connect truss(es) BA (1 ply 2x6 SP) to back face of bottom chord.

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

Fill all hall holes where hanger is in contact with lumber

LOAD CASE(S) Standard

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

Job	Truss	Truss Type	Qty	Ply	14 Rosemont-Roof-Sullivan	
20120036-A	FG	Common Girder	1	2	Job Reference (optional)	
Carter Components, Sanford, NC, user			r 7 2020 Pri	nt: 8.420 S E	Dec 30 2020 MiTek Industries, Inc. Mon Mar 01 08:27:20	Page: 2

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Vert: 1-3=-48, 3-4=-48, 6-9=-20 Concentrated Loads (lb)

Vert: 5=-1193, 12=-1193, 13=-1193, 14=-1193, 15=-1193

Job	Truss	Truss Type	Qty	Ply	14 Rosemont-Roof-Sullivan
20120036-A	РВ	Piggyback	14	1	Job Reference (optional)

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Carter Components, Sanford, NC, user



10-11-4

Scale = 1:32.4

Plate Offsets (X, Y): [2:0-2-9,0-1-8], [6:0-2-9,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.18	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
Snow (Pf/Pg)	13.9/20.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	n/a	-	n/a	999			
TCDL	10.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	6	n/a	n/a			
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MSH									
BCDL	10.0										Weight: 46 lb	FT = 20%	

LUMBER

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

REACTIONS All bearings 10-11-4.

(lb) - Max Horiz 2=-78 (LC 11), 11=-78 (LC 11)

Max Uplift All uplift 100 (lb) or less at joint(s) 2, 6, 8, 10, 11, 15

Max Grav All reactions 250 (lb) or less at joint(s) 2, 6, 11, 15 except

8=298 (LC 26), 9=268 (LC 2), 10=299 (LC 25)

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

FORCES

WEBS

NOTES

3-10=-260/179, 5-8=-260/179 Unbalanced roof live loads have been considered for this design. 1)

Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; 2) 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 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.

TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate 4) DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10

5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads.

Gable requires continuous bottom chord bearing. 6)

Gable studs spaced at 4-0-0 oc. 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 8) any other members.

9) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 6, 9, 10, and 8. This connection is for uplift only and does not consider lateral forces.

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)

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

LOAD CASE(S) Standard

BRACING TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing

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

Job	Truss	Truss Type	Qty	Ply	14 Rosemont-Roof-Sullivan
20120036-A	РВА	Piggyback	8	1	Job Reference (optional)
Carter Components, Sant	ford, NC, user	Run:	8.42 S Dec 30 2020	Print: 8.420 ID:es_Me	S Dec 30 2020 MiTek Industries, Inc. Mon Mar 01 08:27:20 Page: 1 kgPkq0nYv6t29actMznqSo-pvJDR4JgzjmPsyriUvHxZy_JenOditlekr0TgXzfML5
		<u>6-2-6</u> 6-2-6			12-4-12 11-11-9 5-9-3 0-5-3
_				4x5=	
			s s s s s s s s s s s s s s s s s s s		2x4 u 4 513 5 6
		3x5 ≈ 2x4 I		2x4 II	2x4 µ 3x5 ≈
			Or	ie RT7A	
Scale = 1:34.6		/	1	2-4-12	

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.19	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	13.9/20.0	Lumber DOL	1.15	BC	0.09	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.06	Horiz(TL)	0.00	5	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 47 lb	FT = 20%

LUMBER

TOP CHORD2x4 SP No.2BOT CHORD2x4 SP No.2OTHERS2x4 SP No.3

REACTIONS All bearings 12-4-12.

(lb) - Max Horiz 1=-79 (LC 9)

Max Uplift All uplift 100 (lb) or less at joint(s) 1, 6, 8

Max Grav All reactions 250 (lb) or less at joint(s) 1, 5 except 6=310 (LC

25), 7=267 (LC 2), 8=317 (LC 24)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. WEBS 2-8=-260/173

NOTES

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

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) 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=1.09 late grip DOL=1.33

3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10

Gable requires continuous bottom chord bearing.

5) * 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.

6) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 7, 8, and 6. This connection is for uplift only and does not consider lateral forces.

7) 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.

LOAD CASE(S) Standard

BRACING TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing. MiTek recommends that Stabilizers and required cross bracing be

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



2x4 SP No.2 BOT CHORD WFBS 2x4 SP No.3 2x4 SP No.3 OTHERS **REACTIONS** (lb/size) 1=88/8-6-6, (min. 0-1-8), 5=84/8-6-6, (min. 0-1-8), 6=396/8-6-6, (min. 0-1-8) Max Horiz 1=104 (LC 10) Max Uplift 1=-11 (LC 9), 5=-9 (LC 9), 6=-14 (LC 10)

TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing

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

Max Grav 1=126 (LC 25), 5=113 (LC 25), 6=481 (LC 24)

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 2-6=-381/208

WEBS NOTES

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

Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; 2) 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

3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10

Gable requires continuous bottom chord bearing.

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 5) any other members.

One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5 and 6. This connection is for uplift only and does not consider lateral 6) forces

7) 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.

Job	Truss	Truss Type	Qty	Ply	14 Rosemont-Roof-Sullivan
20120036-A	PBE	Piggyback	1	1	Job Reference (optional)

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Carter Components, Sanford, NC, user



10-11-4

Scale = 1:32.4

Plate Offsets (X, Y): [2:0-2-9,0-1-8], [6:0-2-9,0-1-8]

			-										
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.18	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
Snow (Pf/Pg)	13.9/20.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	n/a	-	n/a	999			
TCDL	10.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	6	n/a	n/a			
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MSH									
BCDL	10.0										Weight: 46 lb	FT = 20%	

LUMBER

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

REACTIONS All bearings 10-11-4.

(lb) - Max Horiz 2=-78 (LC 11), 11=-78 (LC 11)

Max Uplift All uplift 100 (lb) or less at joint(s) 2, 6, 8, 10, 11, 15

Max Grav All reactions 250 (lb) or less at joint(s) 2, 6, 11, 15 except

8=298 (LC 26), 9=268 (LC 2), 10=299 (LC 25)

FORCES

WEBS

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 3-10=-260/179, 5-8=-260/179

NOTES

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

Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; 2) 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 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.

TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate 4) DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10

5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads.

Gable requires continuous bottom chord bearing. 6)

Gable studs spaced at 4-0-0 oc. 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 8) any other members.

9) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 6, 9, 10, and 8. This connection is for uplift only and does not consider lateral forces.

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)

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

LOAD CASE(S) Standard

BRACING TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing

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

Job	Truss	Truss Type	Qty	Ply	14 Rosemont-Roof-Sullivan
20120036-A	V	Valley	1	1	Job Reference (optional)

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9-5-3



One RT7A

Scale = 1:33.9			+			9-5-3					\rightarrow	
Loading TCLL (roof) Snow (Pf/Pg) TCDL	(psf) 20.0 13.9/20.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 YES	CSI TC BC WB	0.24 0.18 0.06	DEFL Vert(LL) Vert(TL) Horiz(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	GRIP 244/190
BCLL BCDL	0.0* 10.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 36 lb	FT = 20%

LUMBER

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

Carter Components, Sanford, NC, user

REACTIONS (lb/size) 1=148/9-5-3, (min. 0-1-8), 3=150/9-5-3, (min. 0-1-8), 4=290/9-5-3, (min. 0-1-8) Max Horiz 1=-72 (LC 9) Max Uplift 1=-5 (LC 14), 3=-11 (LC 14) Max Grav 1=177 (LC 2), 3=179 (LC 2), 4=337 (LC 2)

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

NOTES

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

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) 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

3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate

DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10

4) Gable requires continuous bottom chord bearing.

5) * 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.

6) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1, 3, and 4. This connection is for uplift only and does not consider lateral forces.

7) 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.

LOAD CASE(S) Standard

BRACING TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing. MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer

Installation guide.



 One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 7, 8, 9, and 10. This connection is for uplift only and does not consider lateral forces.

8) 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.



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.

One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 10, 11, 12, 13, 14, 15, and 16. This connection is for uplift only and does not consider lateral forces.

9) 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.



Gable studs spaced at 4-0-0 oc. 5)

* 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 6) any other members, with BCDL = 10.0psf.

One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5, 6, and 7. This connection is for uplift only and does not consider lateral 7) forces

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. 8)



forces.

8) 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.



One RT7A

Scale = 1:33.1					7-7-8							
Loading TCLL (roof) Snow (Pf/Pg) TCDL	(psf) 20.0 13.9/20.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 YES	CSI TC BC WB	0.37 0.10 0.06	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	GRIP 244/190
BCDL	0.0* 10.0	Code	IRC2015/TPI2014	Matrix-MP							Weight: 34 lb	FT = 20%

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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. 2)

TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate 3) DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10

4) Gable requires continuous bottom chord bearing.

Gable studs spaced at 4-0-0 oc. 5)

* 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 6) any other members.

One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4 and 5. This connection is for uplift only and does not consider lateral 7) forces.

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. 8)

Job	Truss		Truss Type		Qty	Ply	14	Rosemo	nt-Roof	-Sulliv	an	
20120036-A	V5		Valley		2	1	Jo	b Refere	nce (opt	tional)		
Carter Componen	ts, Sanford, NC, user		Ŀ	Run: 8.42 \$	S Dec 30 202	20 Print: 8.4 ID:qkoU3	20 S Dec 30P7UzXS	30 2020 M 34VaRV_fr	Tek Indu	stries, li IQzrlKw	nc. Mon Mar 01 08: VK165G?4cJKPfN	27:22 Page: 1 4cgb0DAnjxB9ValQzfML3
			1		011	<u> </u>		/	ĺ			
								2x-	4 u			
	3-5-4	0-0-4	8 ¹²			B1		2 W1	3	-	3-5.4	
				3x5 🛩				2x	4 u			
Scale = 1:23.9					5-1-	8			ł			
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL	(psf) 20.0 13.9/20.0 10.0 0.0*	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES	CSI TC BC WB Matrix-MP	0.35 0.34 0.00	DEFL Vert(LL) Vert(TL) Horiz(TL	ir n/a n/a .) 0.01	(loc) - - 3	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20	GRIP 244/190
BCDL	10.0			Matrix-IVII			-				Weight: 20 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS REACTIONS	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 (lb/size) 1=169/5- Max Horiz 1=95 (LC Max Uplift 3=-20 (L Max Grav 1=199 (L	1-8, (min. 0-1-8), 3= ; 10) C 13) C 2), 3=210 (LC 24)	169/5-1-8, (min. 0-1-8)		BRACIN TOP CH	G ORD ORD	Struct excep Rigid MiTe insta Insta	ural woo t end ver <u>ceiling di</u> k recomn led durin llation gu	d sheath ticals. rectly ap nends th g truss o ide.	ning di oplied nat Sta erectio	rectly applied or or 10-0-0 oc brad bilizers and requ n, in accordance	5-1-8 oc purlins, cing. ired cross bracing be with Stabilizer
FORCES TOP CHORD BOT CHORD	(lb) - Max. Cor 1-2=-282/126 1-3=-153/303	np./Max. Ten All fo	rces 250 (lb) or less exc	cept when show	'n.							
 NOTES Wind: ASI cantilever Truss des qualified t TCLL: AS DOL=1.15 Gable req 	CE 7-10; Vult=130m left and right expos- signed for wind load suilding designer as CE 7-10; Pr=20.0 ps 5); Category II; Exp l juires continuous bo	ph (3-second gust) \ ed ; end vertical left a s in the plane of the f per ANSI/TPI 1. sf (roof live load: Lun 3; Fully Exp.; Ct=1.1 ttom chord bearing.	/asd=103mph; TCDL=6 and right exposed;C-C f russ only. For studs ex uber DOL=1.15 Plate D(0	.0psf; BCDL=6. for members an posed to wind (OL=1.15); Pg=2	0psf; h=25f d forces & I normal to tl 20.0 psf (gro	t; Cat. II; I MWFRS fo ne face), s pund snow	Exp B; Er or reactio see Stanc /); Pf=13.	closed; M ns showr lard Indus 9 psf (flat	/WFRS a; Lumbe stry Gab : roof sn	(enve er DOL ble Enc ow: Lu	lope) and C-C E: .=1.60 plate grip I Details as appli Imber DOL=1.15	xterior (2) zone; DOL=1.33 icable, or consult ; Plate

5)

Gable studs spaced at 4-0-0 oc. * 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 6) any other members.

One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 3. This connection is for uplift only and does not consider lateral forces.
 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.

Job	Truss	Truss Type	Qty	Ply	14 Rosemont-Roof-Sullivan
20120036-A	V6	Valley	2	1	Job Reference (optional)

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2-7-8



2x4 II





2x4 💋



2-7-8

Scale = 1:18.5

											-		
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
Snow (Pf/Pg)	13.9/20.0	Lumber DOL	1.15	BC	0.08	Vert(TL)	n/a	-	n/a	999			
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a			
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP									
BCDL	10.0										Weight: 9 lb	FT = 20%	

		RRACING	
LOWIDER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 2-7-8 oc purlins,
BOT CHORD	2x4 SP No.2		except end verticals.
WEBS	2x4 SP No.3	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
REACTIONS (b/size) 1=84/2-7-8, (min. 0-1-8), 3=84/2-7-8, (min. 0-1-8) Aax Horiz 1=44 (LC 10)		MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation quide
N	/iax Upliπ 3=-9 (LC 13)		instantion guide.

Max Grav 1=99 (LC 2), 3=104 (LC 24)

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

NOTES

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) 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

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 2) qualified building designer as per ANSI/TPI 1.

TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate 3) DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10

4) Gable requires continuous bottom chord bearing.

5) Gable studs spaced at 4-0-0 oc.

* 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 6) any other members.

7) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 3. This connection is for uplift only and does not consider lateral forces.

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. 8)

Job	Truss	Truss Type	Qty	Ply	14 Rosemont-Roof-Sullivan
20120036-A	VA	Valley	1	1	Job Reference (optional)

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4x5 =





One RT7A

Installation guide.

6-2-13 Scale = 1:30.1 Loading (psf) Spacing 2-0-0 CSI DEFL in (loc) l/defl L/d PLATES GRIP TCLL (roof) 20.0 Plate Grip DOL 1.15 тс 0.14 Vert(LL) 999 MT20 244/190 n/a n/a 1.15 Snow (Pf/Pg) 13 9/20 0 Lumber DOL BC 0.05 Vert(TL) n/a n/a 999 TCDL 10.0 Rep Stress Incr YES WB 0.03 Horiz(TL) n/a n/a n/a IRC2015/TPI2014 BCLL 0.0* Code Matrix-P BCDL Weight: 23 lb FT = 20% 10.0

LUMBER

 TOP CHORD
 2x4 SP No.2

 BOT CHORD
 2x4 SP No.2

 OTHERS
 2x4 SP No.3

 REACTIONS (lb/size)
 1=103/6

Carter Components, Sanford, NC, user

REACTIONS (lb/size) 1=103/6-2-13, (min. 0-1-8), 3=105/6-2-13, (min. 0-1-8), 4=163/6-2-13, (min. 0-1-8) Max Horiz 1=45 (LC 12) Max Uplift 1=-10 (LC 14), 3=-14 (LC 14) Max Grav 1=125 (LC 2), 3=127 (LC 2), 4=187 (LC 2)

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

NOTES

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

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) 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

3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate

DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10

4) Gable requires continuous bottom chord bearing.

5) * 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.

6) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1, 3, and 4. This connection is for uplift only and does not consider lateral forces.

7) 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.

LOAD CASE(S) Standard

BRACING TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing. MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer

Job	Truss	Truss Type	Qty	Ply	14 Rosemont-Roof-Sullivan
20120036-A	VB	Valley	1	1	Job Reference (optional)

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Installation guide.

Structural wood sheathing directly applied or 3-1-0 oc purlins.

installed during truss erection, in accordance with Stabilizer

MiTek recommends that Stabilizers and required cross bracing be

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

Scale = 1:25.1

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.02	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	13.9/20.0	Lumber DOL	1.15	BC	0.04	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	n/a	-	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-P								
BCDL	10.0										Weight: 9 lb	FT = 20%

LUMBER

TOP CHORD2x4 SP No.2BOT CHORD2x4 SP No.2

REACTIONS (lb/size) 1=77/3-0-6, (min. 0-1-8), 3=77/3-0-6, (min. 0-1-8) Max Horiz 1=-19 (LC 9)

Max Grav 1=91 (LC 2), 3=91 (LC 2)

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

FORCES

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

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) 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 3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate

DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10

4) Gable requires continuous bottom chord bearing.

5) * 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.

6) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1 and 3. This connection is for uplift only and does not consider lateral forces.

7) 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.

LOAD CASE(S) Standard

BRACING TOP CHORD BOT CHORD