

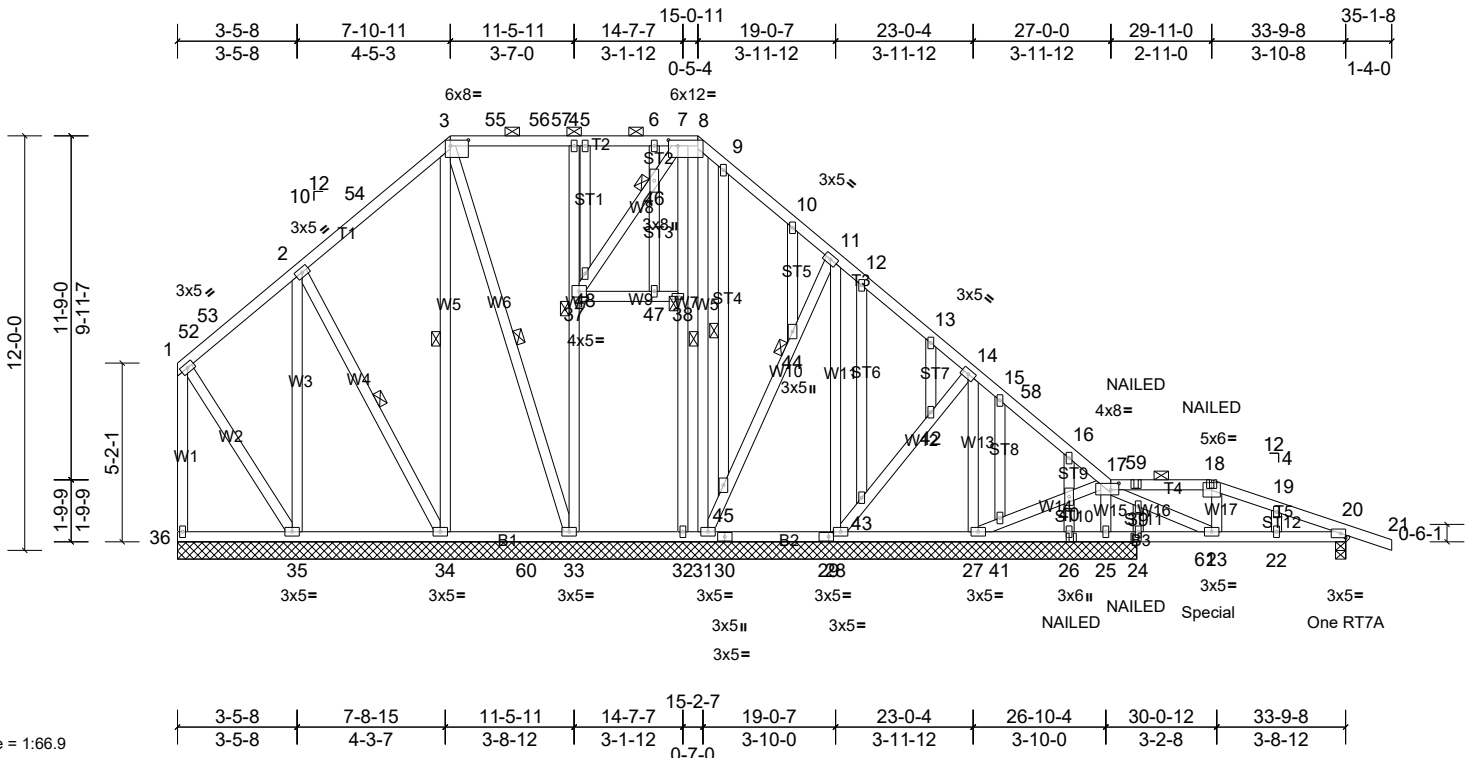
Job 21040035-A	Truss A01	Truss Type Piggyback Base Girder	Qty 1	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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Carter Components, Sanford, NC, user

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Scale = 1:66.9

Plate Offsets (X, Y): [3:0-6-4,0-2-0], [8:0-3-4,0-2-0], [17:0-2-12,0-2-4], [29:0-1-11,0-1-8]

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	0.44	Vert(LL)	-0.01	22-23	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.28	Vert(CT)	-0.02	22-23	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.42	Horz(CT)	0.01	25	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MSH								
BCDL	10.0											Weight: 356 lb FT = 20%

LUMBER
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.3 *Except* W5,W6,W7:2x4 SP No.2
 OTHERS 2x4 SP No.3

REACTIONS All bearings 27-9-0. except 20=0-3-8
 (lb) - Max Horiz 36=361 (LC 10)
 Max Uplift All uplift 100 (lb) or less at joint(s) 26, 27, 32, 34, 35 except
 20=135 (LC 9), 25=125 (LC 9), 28=117 (LC 65), 31=111 (LC 65), 33=107 (LC 9), 36=108 (LC 62)
 Max Grav All reactions 250 (lb) or less at joint(s) 24, 32, 36 except
 20=535 (LC 47), 25=420 (LC 39), 26=396 (LC 39), 27=260 (LC 39), 28=368 (LC 39), 31=439 (LC 39), 33=537 (LC 38), 34=414 (LC 51), 35=336 (LC 51)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 17-59=-540/148, 18-59=-540/148, 18-19=-578/140, 19-20=-604/121
 BOT CHORD 35-36=-180/319, 34-35=-122/267, 34-60=-101/292, 33-60=-101/292, 32-33=-115/282, 31-32=-115/282, 22-23=-70/536, 20-22=-70/536
 WEBS 2-35=-279/78, 33-37=-365/106, 4-37=-338/101, 17-25=-501/149, 17-39=-160/674, 23-39=-156/661

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; 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=1.60
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - 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.
 - One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 36, 35, 34, 33, 31, 28, 27, 25, 32, 26, and 20. This connection is for uplift only and does not consider lateral forces.

BRACING
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-8, 17-18.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 2-34, 3-34, 3-33, 8-31, 9-45
 JOINTS 1 Brace at Jt(s): 37, 38, 44, 46

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

Job 21040035-A	Truss A01	Truss Type Piggyback Base Girder	Qty 1	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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- 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.
- 14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 15) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.
- 16) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 205 lb down and 41 lb up at 35-2-6 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 - Uniform Loads (lb/ft)
 - Vert: 1-3=-60, 3-8=-60, 8-17=-60, 17-18=-60, 18-21=-60, 36-49=-20
 - Concentrated Loads (lb)
 - Vert: 18=-47, 24=-23, 26=-131, 59=-43, 61=-205

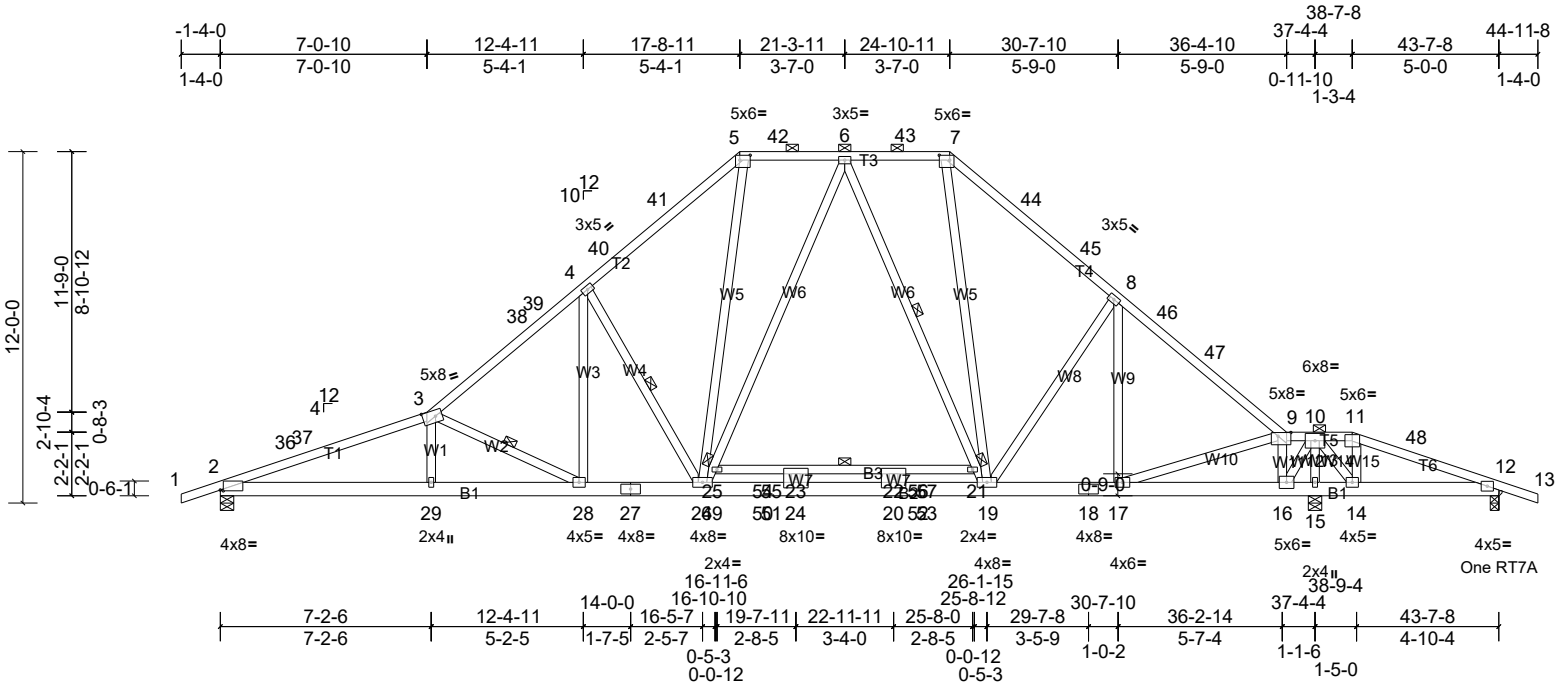
Job 21040035-A	Truss A02	Truss Type Piggyback Base	Qty 1	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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Scale = 1:79

Plate Offsets (X, Y): [2:0-1-3,0-0-5], [3:0-5-4,0-2-8], [5:0-4-4,0-2-0], [7:0-4-4,0-2-0], [9:0-5-4,0-1-8]

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	0.94	Vert(LL)	-0.25 22-23	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.94	Vert(CT)	-0.54 22-23	>832	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.85	Horz(CT)	0.07 15	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MSH							
BCDL	10.0										Weight: 338 lb FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2 *Except* T1:2x4 SP No.1
 BOT CHORD 2x6 SP No.2 *Except* B3:2x4 SP No.3
 WEBS 2x4 SP No.3 *Except* W5,W6:2x4 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-6-12 max.): 5-7, 9-11.
 BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing. Except: 6-0-0 oc bracing: 21-25
 WEBS 1 Row at midpt 3-28, 4-26, 6-21

REACTIONS

(lb/size) 2=1676/0-5-8, (min. 0-2-0), 12=-36/0-3-8, (min. 0-1-8), 15=2390/0-5-8, (min. 0-3-3)
 Max Horiz 2=214 (LC 13)
 Max Uplift 2=-56 (LC 14), 12=-222 (LC 58)
 Max Grav 2=1699 (LC 21), 12=210 (LC 53), 15=2727 (LC 43)

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

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-36=-4079/49, 36-37=-4056/55, 3-37=-4041/70, 3-38=-2872/59, 38-39=-2577/69, 4-39=-2692/82, 4-40=-2370/84, 40-41=-2223/103, 5-41=-2221/121, 5-42=-1568/156, 6-42=-1568/156, 6-43=-1316/153, 7-43=-1316/153, 7-44=-1851/110, 44-45=-1858/91, 8-45=-2021/70, 8-46=-1669/61, 46-47=-1810/39, 9-47=-1987/35, 10-11=0/893, 11-48=0/1005, 12-48=0/959
 BOT CHORD 2-29=-81/3834, 28-29=-78/3837, 27-28=0/2204, 26-27=0/2204, 26-49=0/1473, 49-50=0/1473, 50-51=0/1473, 24-51=0/1473, 20-24=0/1473, 20-52=0/1473, 52-53=0/1473, 19-53=0/1473, 18-19=0/1415, 17-18=0/1415, 16-17=-344/91, 15-16=-1176/83, 14-15=-1176/83, 12-14=-899/62
 WEBS 3-28=-1930/125, 4-28=-77/810, 4-26=-1043/314, 8-19=-110/393, 8-17=-611/0, 9-17=0/1750, 9-16=-1980/115, 11-14=-479/68, 5-26=0/1173, 7-19=0/928, 25-26=-100/384, 6-25=-69/432, 6-21=-571/138, 19-21=-617/108, 10-15=-2175/0, 10-16=-2/2047, 10-14=-61/534

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) -1-4-0 to 3-0-6, Interior (1) 3-0-6 to 13-4-6, Exterior (2) 13-4-6 to 29-3-0, Interior (1) 29-3-0 to 40-7-2, Exterior (2) 40-7-2 to 44-11-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 200.0lb AC unit load placed on the bottom chord, 21-3-11 from left end, supported at two points, 5-0-0 apart.
- 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.
- One RT7A MiTek 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.
- 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 21040035-A	Truss A02	Truss Type Piggyback Base	Qty 1	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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LOAD CASE(S) Standard

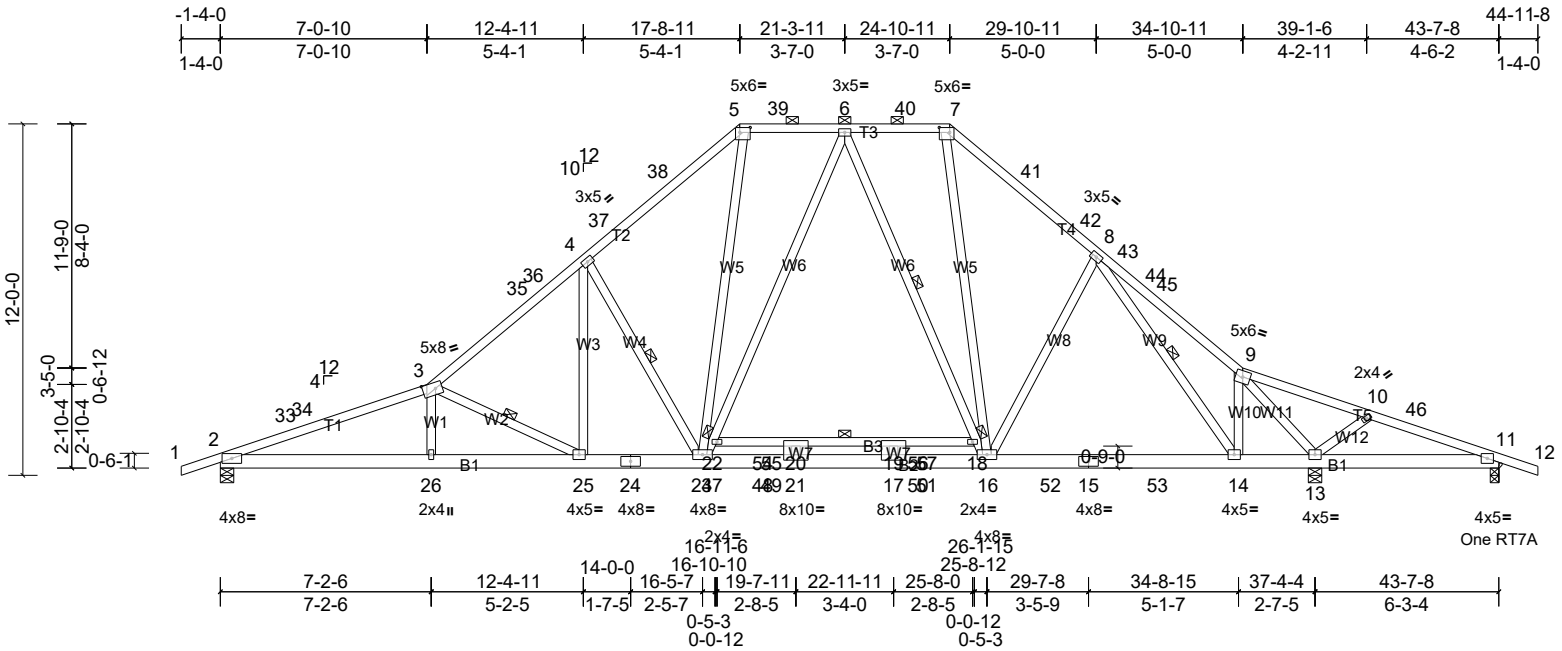
Job 21040035-A	Truss A03	Truss Type Piggyback Base	Qty 5	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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Scale = 1:79

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

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	0.94	Vert(LL)	-0.25	19-20	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.94	Vert(CT)	-0.53	19-20	>839	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.09	13	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MSH								
BCDL	10.0											
											Weight: 334 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2 *Except* T1:2x4 SP No.1
 BOT CHORD 2x6 SP No.2 *Except* B3:2x4 SP No.3
 WEBS 2x4 SP No.3 *Except* W5,W6:2x4 SP No.2

REACTIONS (lb/size) 2=1673/0-5-8, (min. 0-2-0), 11=-56/0-3-8, (min. 0-1-8),
 13=2414/0-5-8, (min. 0-2-15)
 Max Horiz 2=195 (LC 14)
 Max Uplift 2=-54 (LC 14), 11=-288 (LC 55)
 Max Grav 2=1697 (LC 21), 11=200 (LC 49), 13=2494 (LC 3)

BRACING

TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-6-9 max.); 5-7.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: 23-25 6-0-0 oc bracing: 11-13. 6-0-0 oc bracing: 18-22
 WEBS 1 Row at midpt 3-25, 4-23, 8-14, 6-18

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

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-33=-4046/36, 33-34=-4016/42, 3-34=-4002/58, 3-35=-2850/49, 35-36=-2754/59, 4-36=-2701/73, 4-37=-2384/74, 37-38=-2237/93, 5-38=-2235/111, 5-39=-1577/149, 6-39=-1577/149, 6-40=-1330/143, 7-40=-1330/143, 7-41=-1883/110, 41-42=-1887/91, 8-42=-2019/75, 8-43=-843/82, 43-44=-857/77, 44-45=-910/67, 9-45=-1006/59, 9-10=-83/1148, 10-46=-26/1004, 11-46=-39/978
 BOT CHORD 2-26=-73/3797, 25-26=-70/3801, 24-25=0/2222, 23-24=0/2222, 23-47=0/1490, 47-48=0/1490, 48-49=0/1490, 21-49=0/1490, 17-21=0/1490, 17-50=0/1490, 50-51=0/1490, 16-51=0/1490, 16-52=0/1428, 15-52=0/1428, 15-53=0/1428, 14-53=0/1428, 13-14=0/701, 11-13=-928/96
 WEBS 3-25=-1929/122, 4-25=-77/809, 4-23=-1037/315, 8-16=-139/311, 8-14=-1255/0, 9-14=0/1026, 9-13=-2753/76, 10-13=-522/156, 5-23=0/1186, 7-16=0/966, 22-23=-99/387, 6-22=-69/435, 6-18=-575/131, 16-18=-622/100

NOTES

- Unbalanced roof live loads have been considered for this design.
- 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) exterior zone and C-C Exterior (2) -1-4-0 to 3-0-6, Interior (1) 3-0-6 to 13-4-6, Exterior (2) 13-4-6 to 29-3-0, Interior (1) 29-3-0 to 40-7-2, Exterior (2) 40-7-2 to 44-11-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 200.0lb AC unit load placed on the bottom chord, 21-3-11 from left end, supported at two points, 5-0-0 apart.
- 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.

Job 21040035-A	Truss A03	Truss Type Piggyback Base	Qty 5	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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- 10) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 11. This connection is for uplift only and does not consider lateral forces.
- 11) 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.
- 12) 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

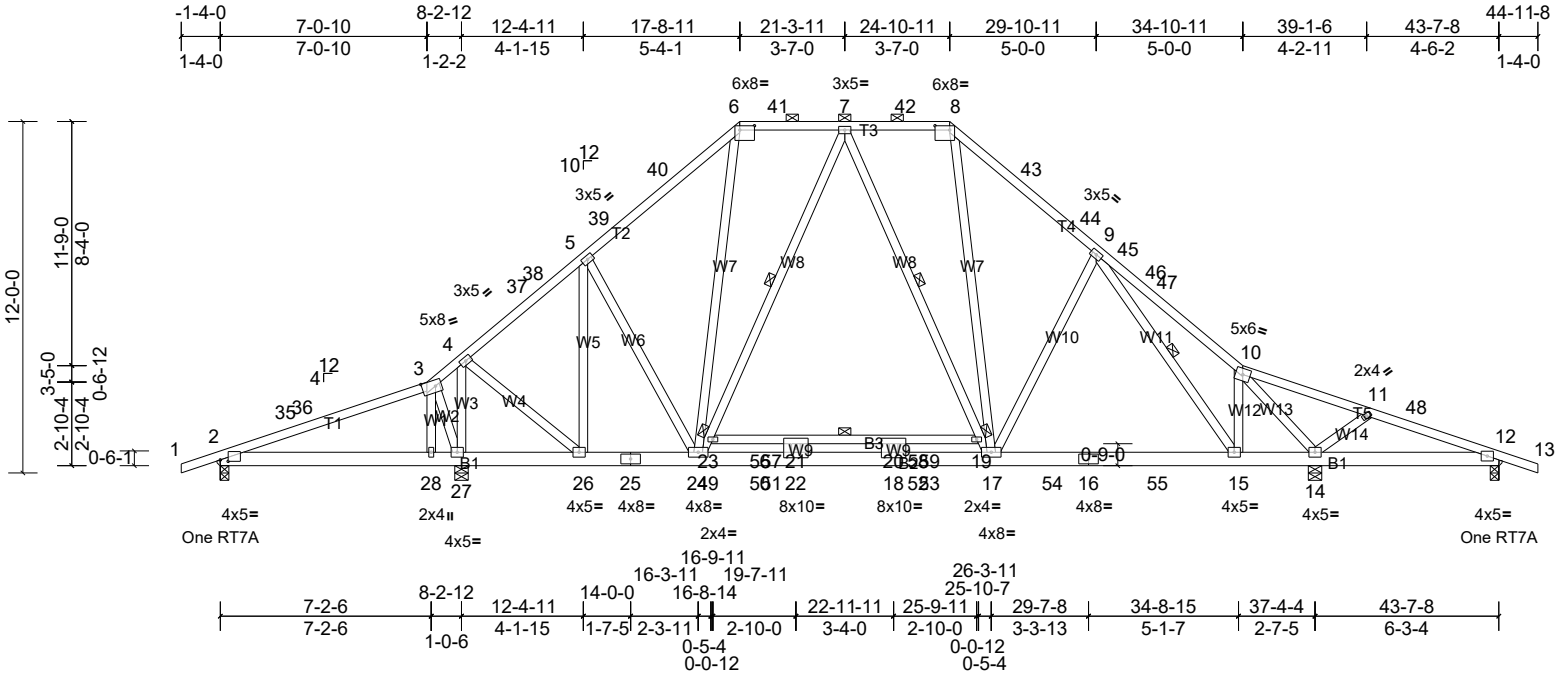
Job 21040035-A	Truss A04	Truss Type Piggyback Base	Qty 1	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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Scale = 1:79

Plate Offsets (X, Y): [2:0-3-3,0-0-9], [3:0-5-8,0-2-8], [6:0-6-0,0-1-12], [8:0-6-0,0-1-12]

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	0.70	Vert(LL)	-0.19	20-21	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.84	Vert(CT)	-0.39	20-21	>903	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.81	Horz(CT)	0.03	14	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MSH								
BCDL	10.0											
											Weight: 342 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x6 SP No.2 *Except* B3:2x4 SP No.3
 WEBS 2x4 SP No.3 *Except* W7,W8:2x4 SP No.2

REACTIONS All bearings 0-3-8. except 14=0-5-8, 27=0-5-8
 (lb) - Max Horiz 2=195 (LC 14)
 Max Uplift All uplift 100 (lb) or less at joint(s) 14, 27 except 2=148 (LC 10), 12=121 (LC 11)
 Max Grav All reactions 250 (lb) or less at joint(s) except 2=566 (LC 45), 12=355 (LC 49), 14=1878 (LC 6), 27=1809 (LC 51)

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-3-1 oc purlins, except 2-0-0 oc purlins (5-8-3 max.): 6-8.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 2-28,26-27,12-14. 6-0-0 oc bracing: 19-23
 WEBS 1 Row at midpt 9-15, 7-19, 7-23

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

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-35=-307/135, 4-37=-1064/41, 37-38=-971/52, 5-38=-930/62, 5-39=-1419/58, 39-40=-1276/76, 6-40=-1271/95, 6-41=-906/141, 7-41=-906/141, 7-42=-1034/139, 8-42=-1034/139, 8-43=-1468/103, 43-44=-1474/85, 9-44=-1606/68, 9-45=-970/83, 45-46=-976/78, 46-47=-1036/68, 10-47=-1132/60, 10-11=-1011/522, 11-48=-25/412, 12-48=-37/383
 BOT CHORD 25-26=0/900, 24-25=0/900, 24-49=0/1066, 49-50=0/1066, 50-51=0/1066, 22-51=0/1066, 18-22=0/1066, 18-52=0/1066, 52-53=0/1066, 17-53=0/1066, 17-54=0/1190, 16-54=0/1190, 16-55=0/1190, 15-55=0/1190, 14-15=0/812, 12-14=-343/92
 WEBS 3-28=-30/321, 5-26=-907/0, 5-24=0/584, 6-24=0/582, 8-17=0/711, 9-17=-271/285, 9-15=-653/0, 10-15=0/538, 10-14=-1964/70, 11-14=-513/158, 23-24=-403/115, 7-23=-349/145, 4-26=0/1086, 4-27=-1505/15, 3-27=-690/185

NOTES

- Unbalanced roof live loads have been considered for this design.
- 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) exterior zone and C-C Exterior (2) -1-4-0 to 3-0-6, Interior (1) 3-0-6 to 13-4-6, Exterior (2) 13-4-6 to 29-3-0, Interior (1) 29-3-0 to 40-7-2, Exterior (2) 40-7-2 to 44-11-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 200.0lb AC unit load placed on the bottom chord, 21-3-11 from left end, supported at two points, 5-0-0 apart.
- 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.
- One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 14, 12, and 27. 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 21040035-A	Truss A04	Truss Type Piggyback Base	Qty 1	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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12) 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

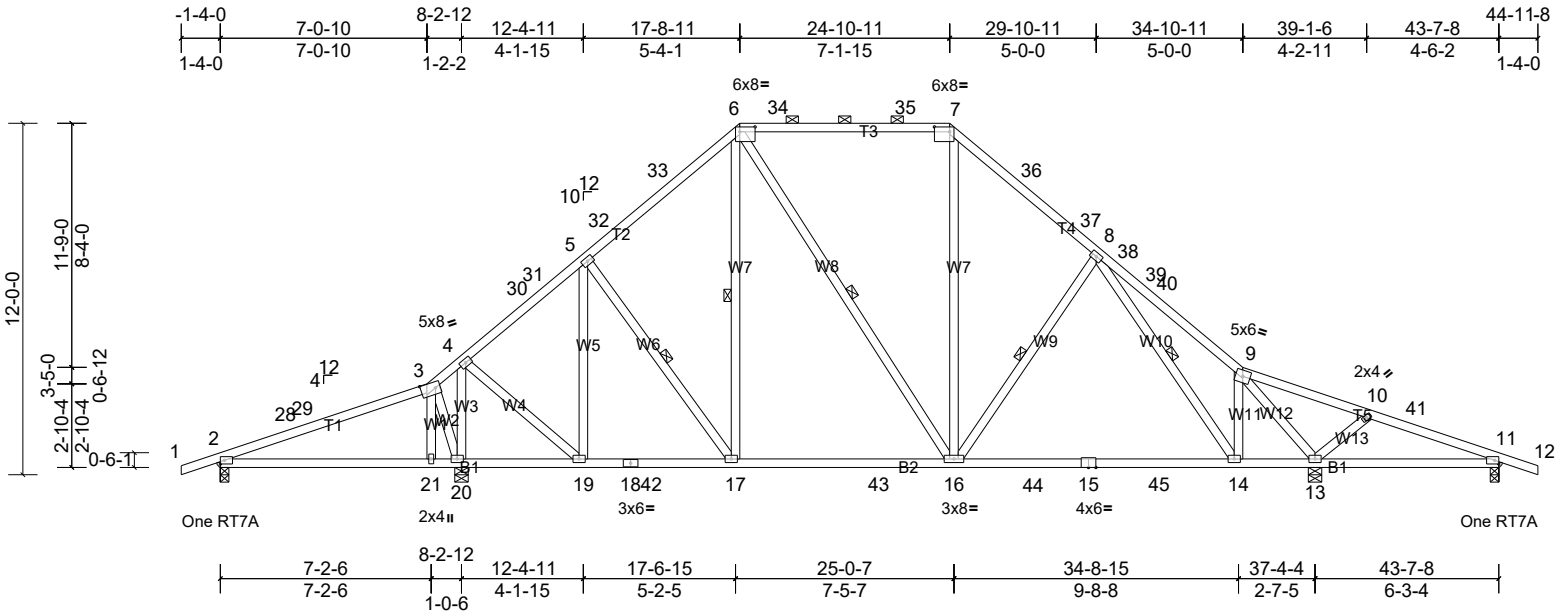
Job 21040035-A	Truss A04A	Truss Type Piggyback Base	Qty 1	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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Scale = 1:79

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

Loading	(psf)	Spacing		CSI		DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	2-0-0	TC	0.97	Vert(LL)	-0.24 14-16	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.91	Vert(CT)	-0.43 14-16	>805	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.04 13	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MSH							
BCDL	10.0										
											Weight: 279 lb FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2 *Except* T3:2x4 SP 2400F 2.0E
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.3 *Except* W7,W8:2x4 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.); 6-7.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: 14-16 6-0-0 oc bracing: 11-13.
 WEBS 1 Row at midpt 6-17, 6-16, 8-16, 8-14, 5-17

REACTIONS

All bearings 0-3-8. except 13=0-5-8, 20=0-5-8
 (lb) - Max Horiz 2=195 (LC 14)
 Max Uplift All uplift 100 (lb) or less at joint(s) 11 except 2=-173 (LC 10), 13=-204 (LC 15), 20=-146 (LC 14)
 Max Grav All reactions 250 (lb) or less at joint(s) except 2=673 (LC 45), 11=390 (LC 49), 13=1606 (LC 22), 20=1525 (LC 41)

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

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-28=-600/194, 28-29=-515/202, 3-29=-494/217, 3-4=-295/250, 4-30=-974/187, 30-31=-868/193, 5-31=-827/207, 5-32=-1097/268, 32-33=-952/285, 6-33=-946/305, 6-34=-798/293, 34-35=-798/293, 7-35=-798/293, 7-36=-1050/309, 36-37=-1082/291, 8-37=-1186/274, 8-38=-918/180, 38-39=-925/176, 39-40=-984/165, 9-40=-1081/158, 9-10=-106/415, 10-41=-42/298, 11-41=-123/264
 BOT CHORD 2-21=-176/469, 20-21=-124/485, 18-19=-67/795, 18-42=-67/795, 17-42=-67/795, 17-43=0/800, 16-43=0/800, 16-44=0/941, 15-44=0/941, 15-45=0/941, 14-45=0/941, 13-14=0/773
 WEBS 3-21=0/327, 6-17=-82/259, 6-16=-85/263, 7-16=-47/425, 8-16=-337/239, 8-14=-350/75, 9-14=0/485, 9-13=-1785/215, 10-13=-535/152, 3-20=-828/156, 4-20=-1325/106, 4-19=-32/929, 5-19=-486/78, 5-17=-95/259

NOTES

- Unbalanced roof live loads have been considered for this design.
- 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) exterior zone and C-C Exterior (2) -1-4-0 to 3-0-6, Interior (1) 3-0-6 to 13-4-6, Exterior (2) 13-4-6 to 29-3-0, Interior (1) 29-3-0 to 40-7-2, Exterior (2) 40-7-2 to 44-11-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- Provide adequate drainage to prevent water ponding.
- All plates are 3x5 MT20 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 bottom chord and any other members, with BCDL = 10.0psf.
- One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 11, and 20. This connection is for uplift only and does not consider lateral forces.
- One RT16A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 13. 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.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Job 21040035-A	Truss A04A	Truss Type Piggyback Base	Qty 1	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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LOAD CASE(S) Standard

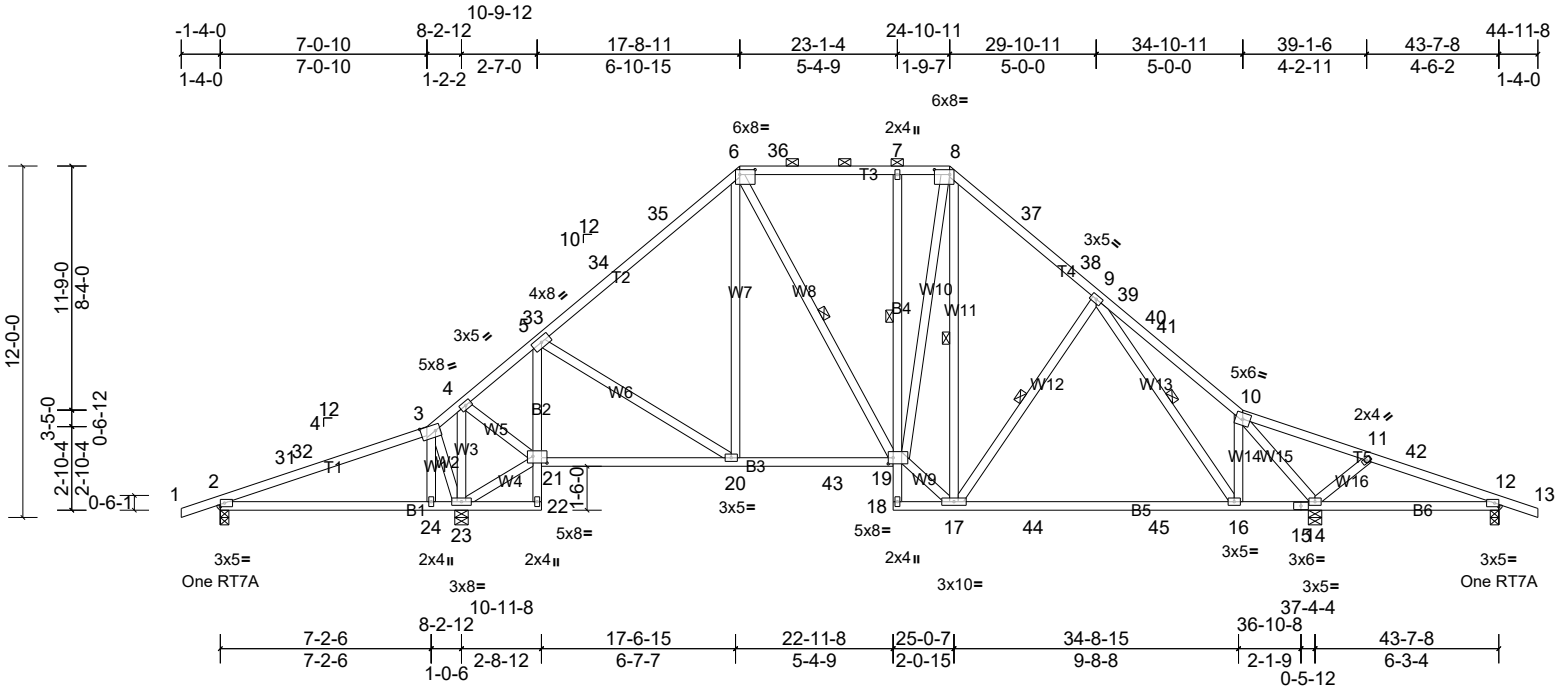
Job 21040035-A	Truss A05	Truss Type Piggyback Base	Qty 5	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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Scale = 1:79

Plate Offsets (X, Y): [3:0-6-0,0-2-8], [6:0-6-4,0-2-0], [8:0-6-4,0-2-0], [19:0-2-0,0-2-8], [21:0-5-12,0-2-12]

Loading	(psf)	Spacing		CSI		DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	2-0-0	TC	0.99	Vert(LL)	-0.24 16-17	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.91	Vert(CT)	-0.43 16-17	>813	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.60	Horz(CT)	0.06 14	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MSH							
BCDL	10.0										Weight: 306 lb FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2 *Except* B2:2x4 SP No.3
 WEBS 2x4 SP No.3 *Except* W8,W11:2x4 SP No.2

REACTIONS All bearings 0-3-8, except 14=0-5-8, 23=0-5-8
 (lb) - Max Horiz 2=195 (LC 14)
 Max Uplift All uplift 100 (lb) or less at joint(s) 12 except 2=203 (LC 10),
 14=211 (LC 15), 23=158 (LC 14)
 Max Grav All reactions 250 (lb) or less at joint(s) except 2=610 (LC 45),
 12=388 (LC 49), 14=1580 (LC 22), 23=1664 (LC 41)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-31=-422/308, 31-32=-338/321, 3-32=-317/363, 3-4=-113/456, 4-5=-780/148, 5-33=-1215/210, 33-34=-1203/230,
 34-35=-984/240, 6-35=-939/264, 6-36=-833/286, 7-36=-833/286, 7-8=-827/286, 8-37=-970/309, 37-38=-978/290,
 9-38=-1142/274, 9-39=-855/177, 39-40=-861/172, 40-41=-921/162, 10-41=-1017/154, 10-11=-108/421, 11-42=-45/294,
 12-42=-105/260
 BOT CHORD 2-24=-185/301, 23-24=-175/319, 5-21=-735/144, 20-21=-136/743, 20-43=0/818, 19-43=0/818, 7-19=-452/139,
 17-44=0/909, 44-45=0/909, 16-45=0/909, 15-16=0/731, 14-15=0/731
 WEBS 3-24=0/365, 5-20=-44/359, 6-19=-114/291, 17-19=0/1024, 8-19=-119/747, 8-17=-276/122, 9-17=-340/239, 9-16=-346/78,
 10-16=0/464, 10-14=-1704/216, 11-14=-536/153, 4-21=-97/1108, 3-23=-832/159, 4-23=-1269/52, 21-23=-327/147

NOTES

- Unbalanced roof live loads have been considered for this design.
- 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) exterior zone and C-C Exterior (2) 1-4-0 to 3-0-6, Interior (1) 3-0-6 to 13-4-6, Exterior (2) 13-4-6 to 29-3-0, Interior (1) 29-3-0 to 40-7-2, Exterior (2) 40-7-2 to 44-11-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 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 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 12, and 23. This connection is for uplift only and does not consider lateral forces.
- One RT16A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 14. 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.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Job 21040035-A	Truss A05	Truss Type Piggyback Base	Qty 5	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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LOAD CASE(S) Standard

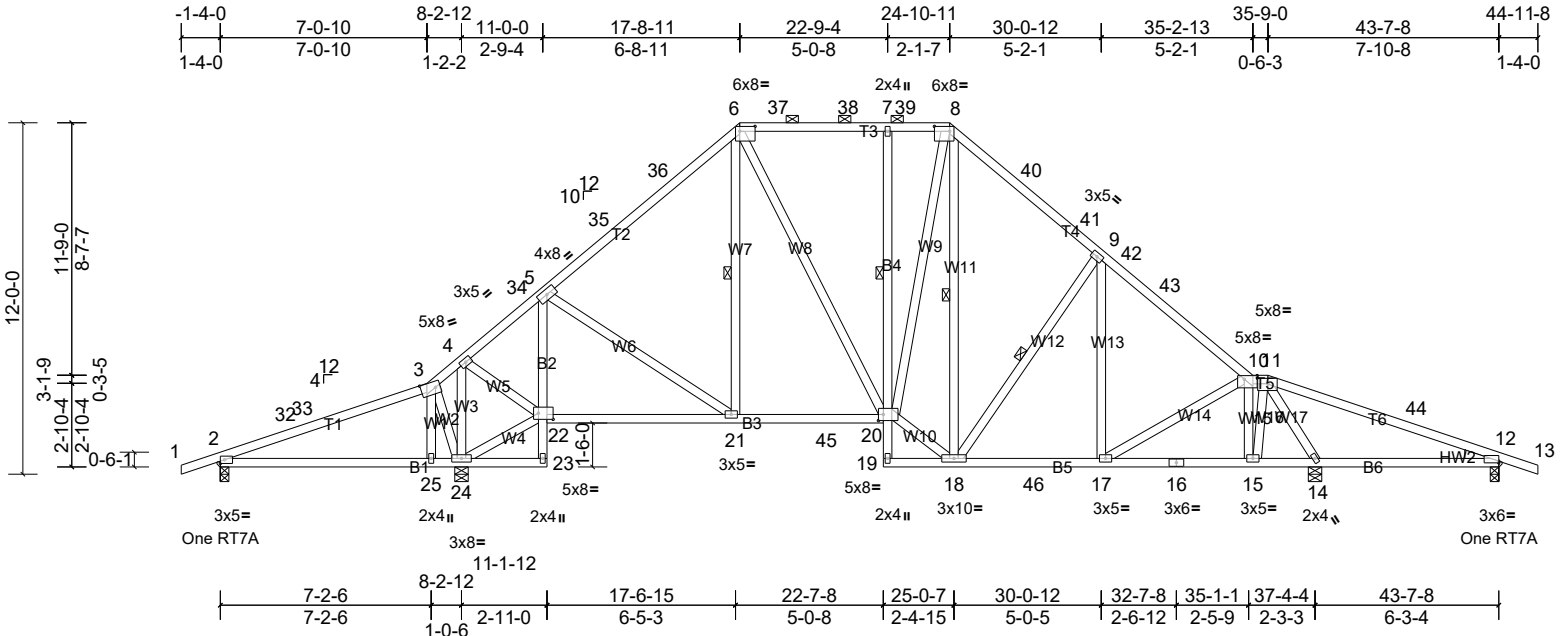
Job 21040035-A	Truss A06	Truss Type Piggyback Base	Qty 1	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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Scale = 1:79

Plate Offsets (X, Y): [3:0-6-0,0-2-8], [6:0-6-4,0-2-0], [8:0-6-4,0-2-0], [10:0-5-4,0-1-8], [11:0-4-4,0-2-4], [12:Edge,0-0-11], [20:0-2-0,0-2-8], [22:0-6-0,0-2-8]

Loading	(psf)	Spacing		CSI		DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.95	Vert(LL)	-0.09 25-28	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.78	Vert(CT)	-0.17 25-28	>598	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.06 14	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MSH							
BCDL	10.0										Weight: 313 lb FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2 *Except* T6:2x4 SP No.1
 BOT CHORD 2x4 SP No.2 *Except* B2:2x4 SP No.3
 WEBS 2x4 SP No.3 *Except* W8,W11:2x4 SP No.2
 WEDGE Right: 2x4 SP No.3

REACTIONS All bearings 0-3-8, except 14=0-5-8, 24=0-5-8
 (lb) - Max Horiz 2=195 (LC 14)
 Max Uplift All uplift 100 (lb) or less at joint(s) except 2=-202 (LC 69),
 12=-183 (LC 70), 14=-106 (LC 15), 24=-167 (LC 14)
 Max Grav All reactions 250 (lb) or less at joint(s) except 2=608 (LC 48),
 12=574 (LC 53), 14=1707 (LC 43), 24=1738 (LC 43)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-32=-417/322, 32-33=-332/334, 3-33=-312/377, 3-4=-107/472, 4-34=-858/158, 5-34=-762/161, 5-35=-1281/248,
 35-36=-1050/259, 6-36=-1010/282, 6-37=-907/306, 37-38=-907/306, 7-38=-907/306, 7-39=-905/306, 8-39=-905/306,
 8-40=-1066/341, 40-41=-1076/323, 9-41=-1251/305, 9-42=-1294/267, 42-43=-1303/265, 10-43=-1585/246,
 10-11=-1055/210, 11-44=-296/290, 12-44=-406/239
 BOT CHORD 2-25=-204/296, 24-25=-194/313, 5-22=-734/144, 21-22=-133/771, 21-45=0/842, 20-45=0/842, 7-20=-423/129,
 18-46=-14/1120, 17-46=-14/1120, 16-17=-93/1055, 15-16=-93/1055, 14-15=-98/919, 12-14=-200/281
 WEBS 3-25=0/362, 5-21=-45/345, 6-20=-129/336, 18-20=0/966, 8-20=-100/697, 8-18=-304/132, 9-18=-532/254,
 10-17=-113/287, 10-15=-900/102, 11-15=-49/899, 11-14=-1691/202, 4-22=-93/1161, 3-24=-825/161, 4-24=-1325/69,
 22-24=-341/154

NOTES

- Unbalanced roof live loads have been considered for this design.
- 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) exterior zone and C-C Exterior (2) -1-4-0 to 3-0-6, Interior (1) 3-0-6 to 13-4-6, Exterior (2) 13-4-6 to 29-3-0, Interior (1) 29-3-0 to 40-7-2, Exterior (2) 40-7-2 to 44-11-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 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 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 24, and 12. This connection is for uplift only and does not consider lateral forces.
- One RT16A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 14. 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 21040035-A	Truss A06	Truss Type Piggyback Base	Qty 1	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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- 12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 86 lb down and 38 lb up at 30-7-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 - Uniform Loads (lb/ft)
 - Vert: 1-3=-60, 3-6=-60, 6-8=-60, 8-10=-60, 10-11=-60, 11-13=-60, 23-26=-20, 20-22=-20, 19-29=-20
 - Concentrated Loads (lb)
 - Vert: 42=-7

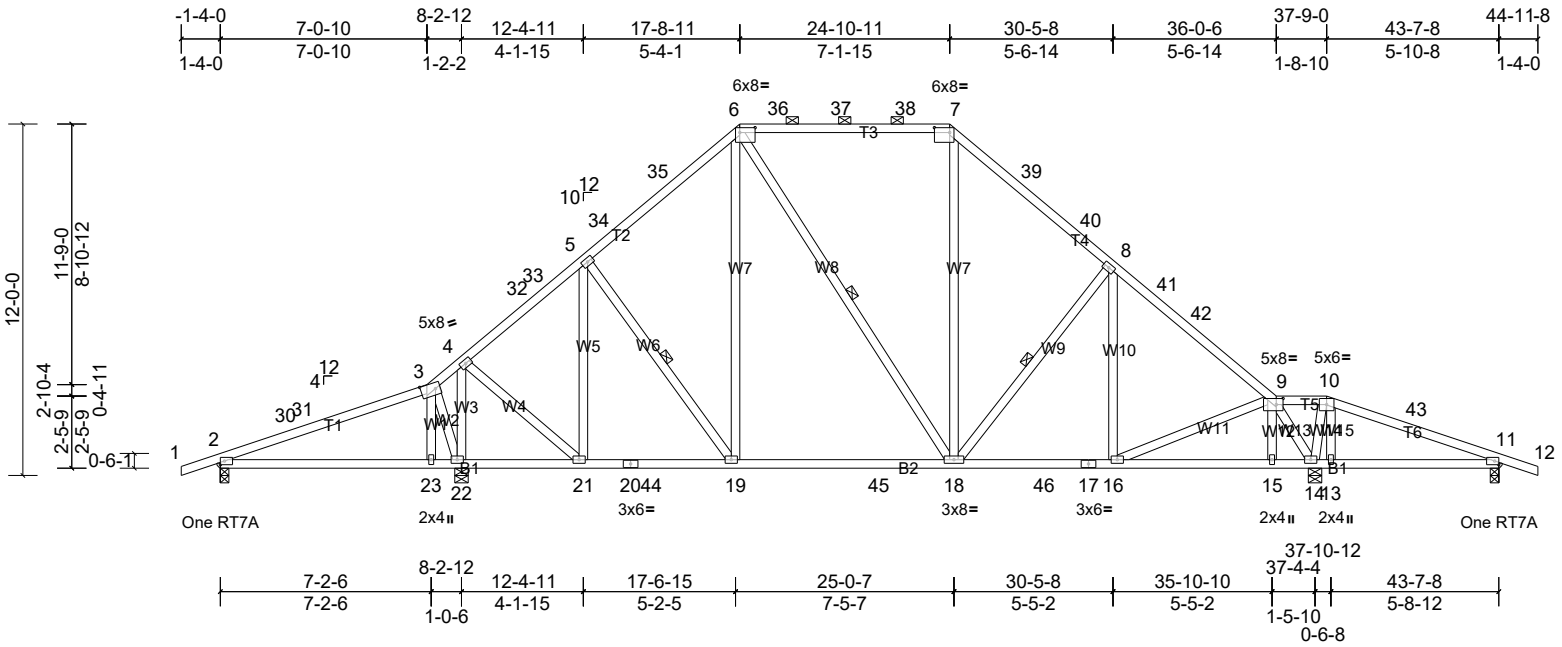
Job 21040035-A	Truss A07	Truss Type Piggyback Base	Qty 1	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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Scale = 1:79

Plate Offsets (X, Y): [3:0-6-0,0-2-8], [6:0-6-4,0-2-0], [7:0-6-4,0-2-0], [9:0-2-12,0-2-8]

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	0.97	Vert(LL)	0.06	23-26	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.61	Vert(CT)	-0.20	18-19	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.47	Horz(CT)	0.03	14	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MSH								
BCDL	10.0											
											Weight: 283 lb	FT = 20%

LUMBER
 TOP CHORD 2x4 SP No.2 *Except* T3:2x4 SP 2400F 2.0E
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.3 *Except* W7,W8:2x4 SP No.2

BRACING
 TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.); 6-7, 9-10.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 13-14,11-13.
 WEBS 1 Row at midpt 6-18, 8-18, 5-19

REACTIONS All bearings 0-3-8. except 22=0-5-8, 14=0-5-8
 (lb) - Max Horiz 2=202 (LC 13)
 Max Uplift All uplift 100 (lb) or less at joint(s) except 2=-172 (LC 10), 11=-143 (LC 11), 14=-153 (LC 15), 22=-150 (LC 14)
 Max Grav All reactions 250 (lb) or less at joint(s) except 2=675 (LC 48), 11=446 (LC 53), 14=1843 (LC 43), 22=1549 (LC 43)

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

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-30=-603/191, 30-31=-519/199, 3-31=-497/214, 3-4=-300/247, 4-32=-990/192, 32-33=-879/198, 5-33=-830/212, 5-34=-1124/273, 34-35=-963/291, 6-35=-957/310, 6-36=-801/307, 36-37=-801/307, 37-38=-801/307, 7-38=-801/307, 7-39=-1049/320, 39-40=-1052/300, 8-40=-1250/281, 8-41=-1213/234, 41-42=-1337/214, 9-42=-1521/208, 9-10=0/363, 10-43=-90/322, 11-43=-172/259
 BOT CHORD 2-23=-176/472, 22-23=-123/488, 20-21=-70/793, 20-44=-70/793, 19-44=-70/793, 19-45=0/804, 18-45=0/804, 18-46=-1/1061, 17-46=-1/1061, 16-17=-1/1061, 15-16=-7/542, 14-15=-11/539
 WEBS 3-23=0/322, 6-19=-73/286, 6-18=-99/258, 7-18=-48/409, 8-18=-437/240, 9-16=-4/575, 10-13=0/346, 3-22=-827/156, 4-22=-1319/114, 4-21=-39/924, 5-21=-504/78, 5-19=-91/262, 9-14=-1586/154, 10-14=-606/33

- 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) exterior zone and C-C Exterior (2) -1-4-0 to 3-0-6, Interior (1) 3-0-6 to 13-4-6, Exterior (2) 13-4-6 to 29-3-0, Interior (1) 29-3-0 to 40-7-2, Exterior (2) 40-7-2 to 44-11-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
 - 4) Unbalanced snow loads have been considered for this design.
 - 5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 6) Provide adequate drainage to prevent water ponding.
 - 7) All plates are 3x5 MT20 unless otherwise indicated.
 - 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 9) * This truss has been designed for a live load of 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.
 - 10) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 22, and 11. This connection is for uplift only and does not consider lateral forces.
 - 11) One RT16A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 14. 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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Job 21040035-A	Truss A07	Truss Type Piggyback Base	Qty 1	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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LOAD CASE(S) Standard

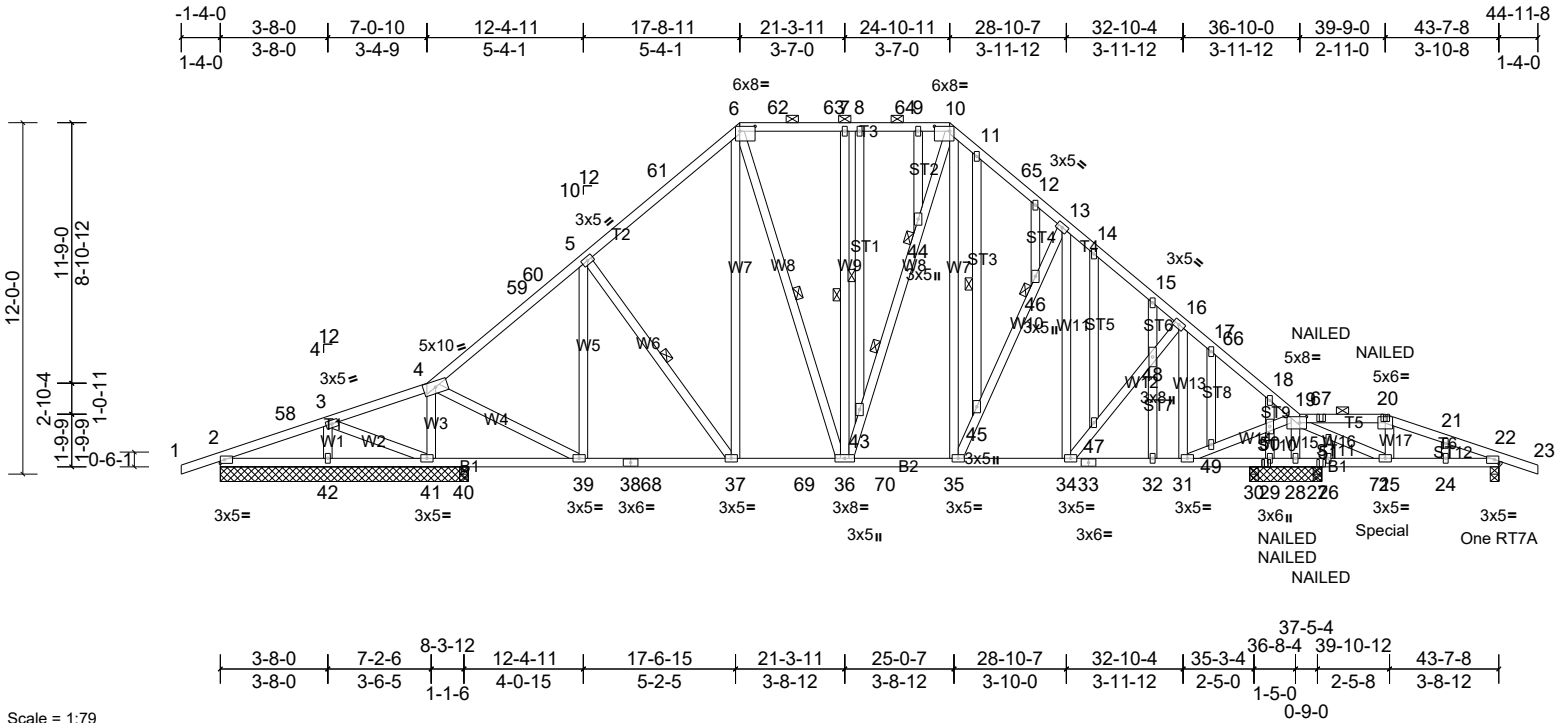
Job 21040035-A	Truss A08	Truss Type Piggyback Base Girder	Qty 1	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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Scale = 1:79

Plate Offsets (X, Y): [6:0-6-4,0-2-0], [10:0-6-4,0-2-0], [19:0-2-12,0-2-8]

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	0.67	Vert(LL)	-0.04	32-34	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.36	Vert(CT)	-0.08	37-39	>999	180		
TCDL	10.0	Rep Stress Incr		NO	0.91	Horz(CT)	0.02	29	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MSH								
BCDL	10.0											
											Weight: 390 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.3 *Except* W7,W8,W9:2x4 SP No.2
 OTHERS 2x4 SP No.3

REACTIONS All bearings 8-5-8, except 28=2-5-8, 29=2-5-8, 22=0-3-8, 40=0-3-8, 30=0-3-8, 27=0-3-8
 (lb) - Max Horiz 2=229 (LC 11), 52=229 (LC 11)
 Max Uplift All uplift 100 (lb) or less at joint(s) 42 except 2=-127 (LC 66), 22=-142 (LC 9), 28=-121 (LC 13), 29=-137 (LC 13), 41=-203 (LC 68), 52=-127 (LC 66)
 Max Grav All reactions 250 (lb) or less at joint(s) 27, 30, 40 except 2=348 (LC 46), 22=530 (LC 51), 28=1258 (LC 41), 29=569 (LC 41), 41=1407 (LC 41), 42=373 (LC 46), 52=348 (LC 46)

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 3-4=-120/263, 4-59=-1109/114, 59-60=-975/124, 5-60=-909/138, 5-61=-1133/189, 6-61=-947/207, 6-62=-758/204, 62-63=-758/204, 7-63=-758/204, 7-8=-758/204, 8-64=-758/204, 9-64=-758/204, 9-10=-758/204, 10-11=-939/241, 11-65=-982/228, 12-65=-1043/219, 12-13=-1097/200, 13-14=-1097/185, 14-15=-1203/174, 15-16=-1226/122, 16-17=-1010/130, 17-66=-1015/104, 18-66=-1120/100, 18-19=-982/14, 19-67=-484/164, 20-67=-484/164, 20-21=-520/157, 21-22=-541/137
 BOT CHORD 40-41=-253/155, 39-40=-253/155, 38-39=-60/870, 38-68=-60/870, 37-68=-60/870, 37-69=-11/786, 36-69=-11/786, 36-70=0/767, 35-70=0/767, 34-35=0/887, 33-34=0/786, 32-33=0/786, 31-32=0/786, 30-31=-428/120, 29-30=-428/120, 28-29=-428/120, 27-28=-301/107, 26-27=-301/107, 26-71=-301/107, 25-71=-301/107, 24-25=-86/477, 22-24=-86/477
 WEBS 3-42=-284/112, 4-41=-1358/211, 4-39=-72/1099, 5-39=-391/93, 6-37=-92/295, 6-36=-133/285, 7-36=-318/111, 10-44=-148/271, 10-35=-152/436, 35-45=-347/221, 45-46=-337/214, 13-46=-301/194, 16-31=-451/13, 31-49=-38/1319, 49-50=-50/1327, 19-50=-39/1235, 19-28=-1311/137, 19-51=-181/809, 25-51=-177/795, 18-50=-408/122, 29-50=-706/157

NOTES

- Unbalanced roof live loads have been considered for this design.
- 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) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- Provide adequate drainage to prevent water ponding.
- All plates are 2x4 MT20 unless otherwise indicated.

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-6-4 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 6-10, 19-20.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 5-37, 6-36, 7-36, 36-44, 8-43, 11-45
 JOINTS 1 Brace at Jt(s): 44, 46

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

Job 21040035-A	Truss A08	Truss Type Piggyback Base Girder	Qty 1	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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- 9) Gable studs spaced at 2-0-0 oc.
- 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 11) * This truss has been designed for a live load of 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.
- 12) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 42, 41, 28, 29, and 22. 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.
- 14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 15) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.
- 16) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 205 lb down and 41 lb up at 39-6-12 on bottom chord. The design/ selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 - Uniform Loads (lb/ft)
 - Vert: 1-4=-60, 4-6=-60, 6-10=-60, 10-19=-60, 19-20=-60, 20-23=-60, 52-55=-20
 - Concentrated Loads (lb)
 - Vert: 20=-47, 18=-102, 29=-29, 27=-23, 67=-43, 71=-205

Job 21040035-A	Truss B01	Truss Type Piggyback Base	Qty 2	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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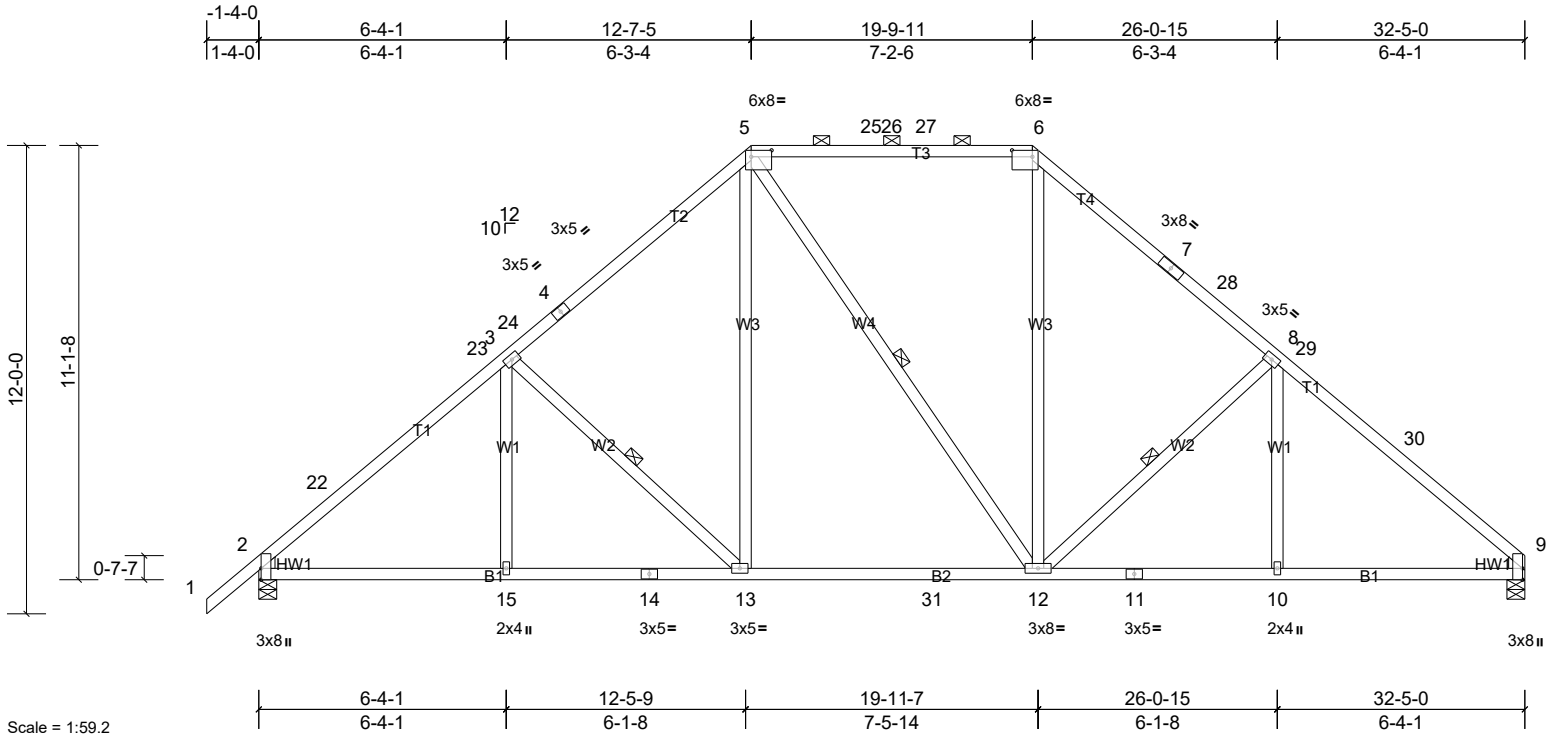


Plate Offsets (X, Y): [2:0-3-8,Edge], [5:0-6-4,0-2-0], [6:0-6-4,0-2-0], [9:0-3-8,Edge]

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	0.77	Vert(LL)	-0.15	12-13	>999	240	MT20 244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.65	Vert(CT)	-0.25	12-13	>999	180	
TCDL	10.0	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.07	9	n/a	n/a	
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MSH							
BCDL	10.0										Weight: 202 lb FT = 20%

LUMBER
TOP CHORD 2x4 SP No.1 *Except* T3:2x4 SP 2400F 2.0E
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except* W3,W4:2x4 SP No.2
WEDGE Left: 2x4 SP No.3
Right: 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except
2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-13, 5-12, 8-12

REACTIONS (lb/size) 2=1378/0-5-8, (min. 0-1-13), 9=1295/0-5-8, (min. 0-1-11)
Max Horiz 2=279 (LC 11)
Max Uplift 2=-169 (LC 14), 9=-139 (LC 15)
Max Grav 2=1519 (LC 37), 9=1436 (LC 37)

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

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-22=-1917/234, 22-23=-1713/265, 3-23=-1682/268, 3-24=-1561/287, 4-24=-1532/292, 4-5=-1355/336, 5-25=-1031/329, 25-26=-1031/329, 26-27=-1031/329, 6-27=-1031/329, 6-7=-1359/339, 7-28=-1395/311, 8-28=-1564/295, 8-29=-1690/279, 29-30=-1720/277, 9-30=-1925/253
BOT CHORD 2-15=-216/1405, 14-15=-216/1405, 13-14=-216/1405, 13-31=-73/1030, 12-31=-73/1030, 11-12=-107/1402, 10-11=-107/1402, 9-10=-107/1402
WEBS 3-13=-502/244, 5-13=-76/598, 6-12=-57/528, 8-12=-516/250

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) -1-4-0 to 1-10-14, Interior (1) 1-10-14 to 8-0-5, Exterior (2) 8-0-5 to 24-4-11, Interior (1) 24-4-11 to 29-2-2, Exterior (2) 29-2-2 to 32-5-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 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 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 9. 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.
 - 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 21040035-A	Truss B02	Truss Type Piggyback Base	Qty 6	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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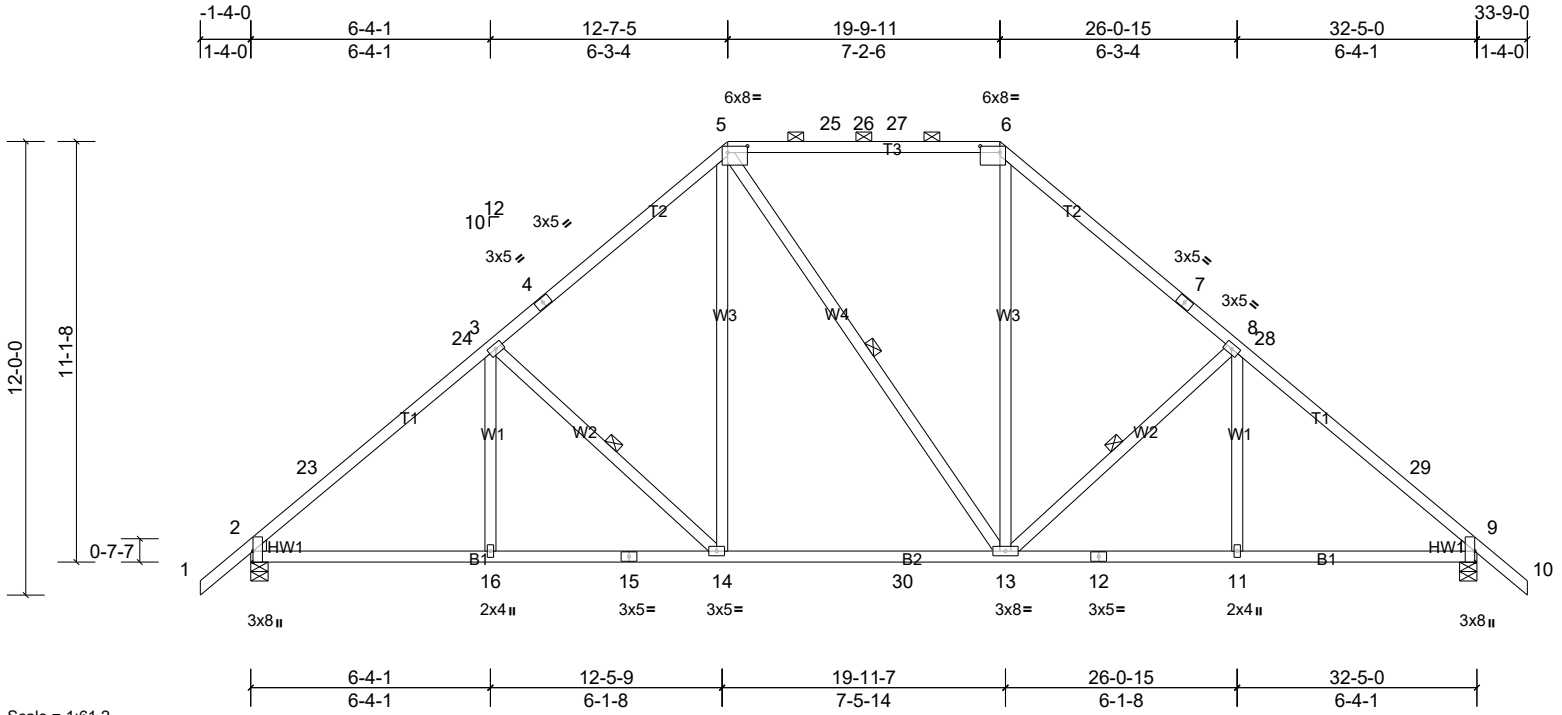


Plate Offsets (X, Y): [2:0-3-8,Edge], [5:0-6-4,0-2-0], [6:0-6-4,0-2-0], [9:0-3-8,Edge]

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	0.81	Vert(LL)	-0.15	13-14	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.65	Vert(CT)	-0.25	13-14	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.07	9	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MSH								
BCDL	10.0											
											Weight: 204 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.1 *Except* T3:2x4 SP 2400F 2.0E, T1:2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except* W3,W4:2x4 SP No.2
WEDGE Left: 2x4 SP No.3
Right: 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except
2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-14, 5-13, 8-13

REACTIONS (lb/size) 2=1377/0-5-8, (min. 0-1-13), 9=1377/0-5-8, (min. 0-1-13)
Max Horiz 2=-288 (LC 12)
Max Uplift 2=-168 (LC 14), 9=-168 (LC 15)
Max Grav 2=1517 (LC 37), 9=1517 (LC 37)

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

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-23=-1913/230, 23-24=-1708/262, 3-24=-1678/264, 3-4=-1558/288, 4-5=-1352/332, 5-25=-1029/325, 25-26=-1029/325, 26-27=-1029/325, 6-27=-1029/325, 6-7=-1353/332, 7-8=-1558/288, 8-28=-1678/264, 28-29=-1708/262, 9-29=-1913/230
BOT CHORD 2-16=-196/1415, 15-16=-196/1415, 14-15=-196/1415, 14-30=-62/1037, 13-30=-62/1037, 12-13=-35/1389, 11-12=-35/1389, 9-11=-35/1389
WEBS 3-14=-500/243, 5-14=-75/596, 6-13=-56/525, 8-13=-503/244

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 1-4-0 to 1-10-14, Interior (1) 1-10-14 to 8-0-5, Exterior (2) 8-0-5 to 24-4-11, Interior (1) 24-4-11 to 30-6-2, Exterior (2) 30-6-2 to 33-9-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 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 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 9. 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.
 - 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

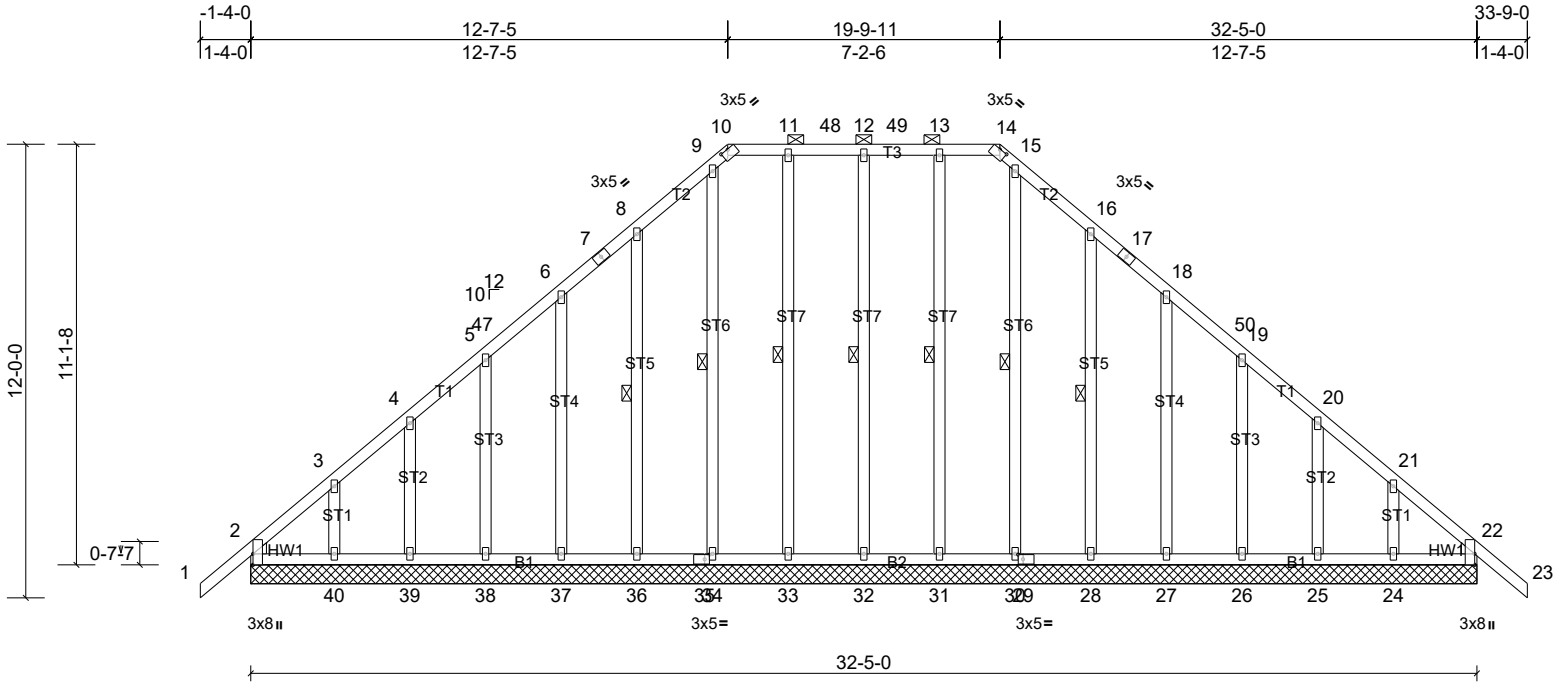
Job 21040035-A	Truss B03	Truss Type Piggyback Base Supported Gable	Qty 1	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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Scale = 1:61.2

Plate Offsets (X, Y): [2:0-3-8,Edge], [10:0-2-8,0-0-3], [14:0-2-8,0-0-3], [22:0-3-8,Edge], [29:0-1-8,0-1-8], [35:0-1-8,0-1-8]

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	0.13	Vert(LL)	n/a	-	n/a	999	MT20 244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	n/a	-	n/a	999	
TCDL	10.0	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.01	22	n/a	n/a	
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MSH							
BCDL	10.0										Weight: 270 lb FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3 *Except* ST7,ST6:2x4 SP No.2
WEDGE Left: 2x4 SP No.3
Right: 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except
2-0-0 oc purlins (6-0-0 max.): 10-14.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 12-32, 11-33, 9-34, 8-36, 13-31, 15-30, 16-28

REACTIONS All bearings 32-5-0.
(lb) - Max Horiz 2=-288 (LC 12), 41=-288 (LC 12)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 22, 25, 26, 27, 31, 32, 33, 34, 36, 37, 38, 39, 41, 44 except 24=-122 (LC 15), 28=-103 (LC 15), 40=-132 (LC 14)
Max Grav All reactions 250 (lb) or less at joint(s) 2, 22, 24, 25, 26, 27, 28, 30, 31, 32, 33, 34, 36, 37, 38, 39, 40, 41, 44

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

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-299/230

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - 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) exterior zone and C-C Corner (3) -1-4-0 to 2-2-8, Exterior (2) 2-2-8 to 9-4-7, Corner (3) 9-4-7 to 15-10-3, Exterior (2) 15-10-3 to 16-6-13, Corner (3) 16-6-13 to 23-0-9, Exterior (2) 23-0-9 to 30-6-2, Corner (3) 30-6-2 to 33-9-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - 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.
 - One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 22, 32, 33, 34, 36, 37, 38, 39, 40, 31, 28, 27, 26, 25, and 24. This connection is for uplift only and does not consider lateral forces.
 - Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 41.
 - 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 21040035-A	Truss B03	Truss Type Piggyback Base Supported Gable	Qty 1	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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16) 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

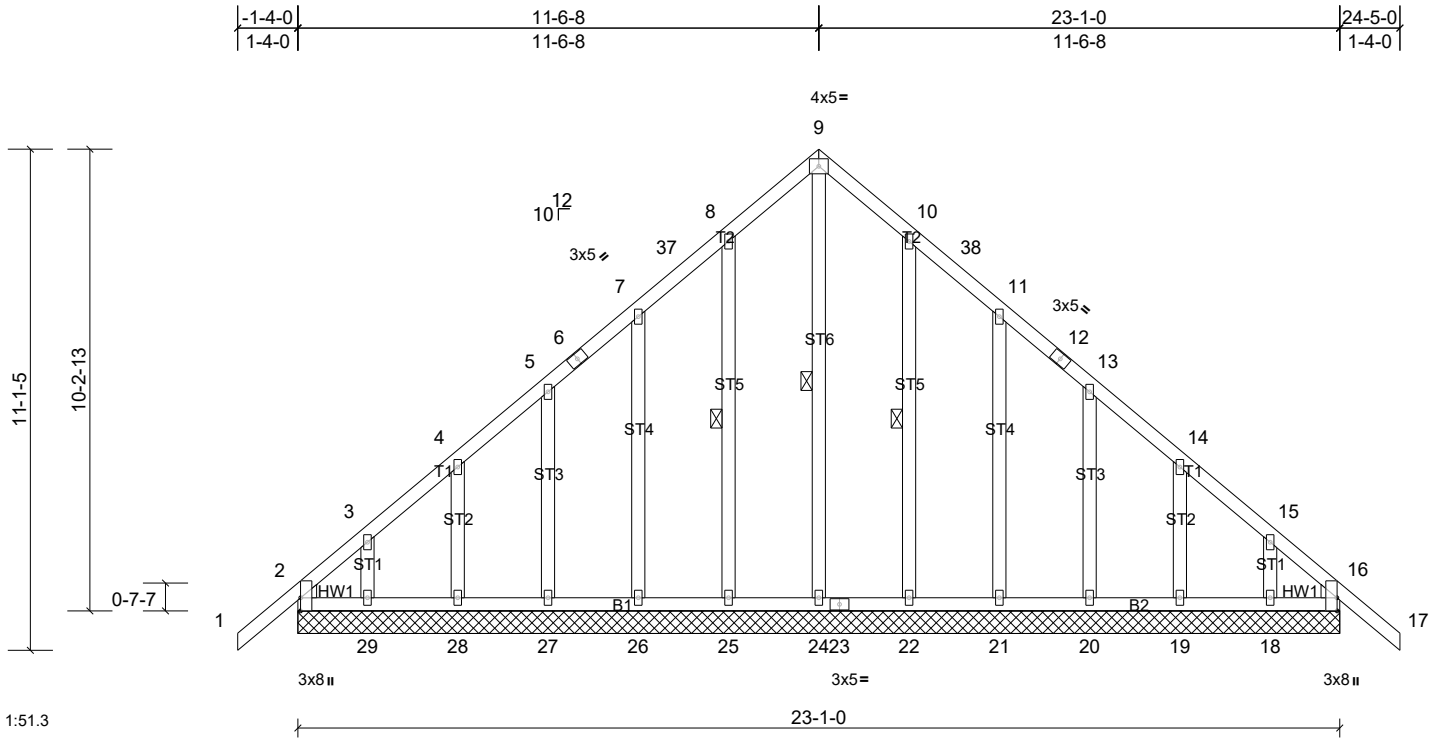
Job 21040035-A	Truss C01	Truss Type Common Supported Gable	Qty 1	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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Scale = 1:51.3

Plate Offsets (X, Y): [2:0-3-8,Edge], [16:0-3-8,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	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.01	16	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MSH								
BCDL	10.0											
										Weight: 170 lb	FT = 20%	

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3
WEDGE Left: 2x4 SP No.3
Right: 2x4 SP No.3

BRACING
TOP CHORD
BOT CHORD
WEBS

Structural wood sheathing directly applied or 6-0-0 oc purlins.
Rigid ceiling directly applied or 10-0-0 oc bracing.
1 Row at midpt 9-24, 8-25, 10-22

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

REACTIONS All bearings 23-1-0.
(lb) - Max Horiz 2=265 (LC 13), 30=265 (LC 13)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 16, 19, 20, 21, 22, 25, 26,
27, 28, 30, 34 except 18=-104 (LC 15), 29=-114 (LC 14)
Max Grav All reactions 250 (lb) or less at joint(s) 2, 16, 18, 19, 20, 21, 22,
24, 25, 26, 27, 28, 29, 30, 34

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-281/199

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3) -1-4-0 to 1-6-8, Exterior (2) 1-6-8 to 8-6-8, Corner (3) 8-6-8 to 14-6-8, Exterior (2) 14-6-8 to 21-5-0, Corner (3) 21-5-0 to 24-5-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - 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.
 - One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 16, 25, 26, 27, 28, 29, 22, 21, 20, 19, and 18. This connection is for uplift only and does not consider lateral forces.
 - Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 30.
 - 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

Job 21040035-A	Truss C02	Truss Type Common	Qty 6	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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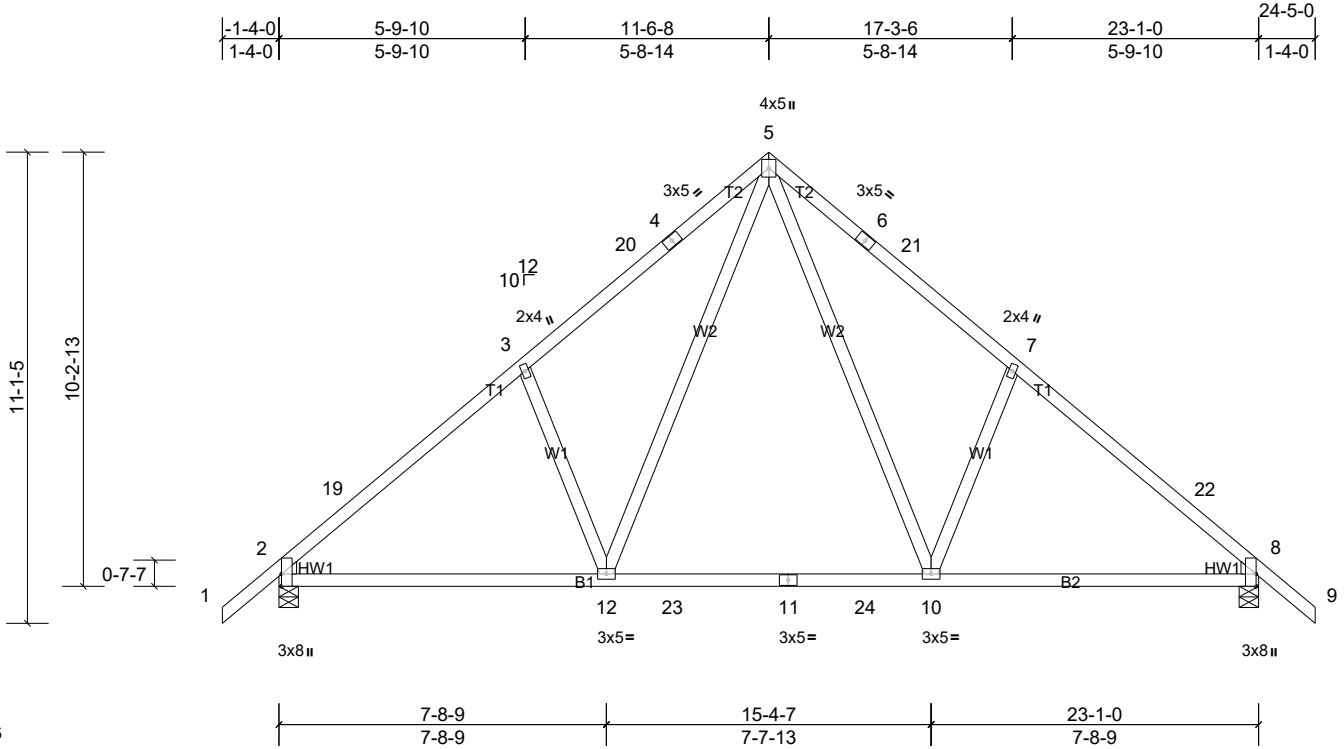


Plate Offsets (X, Y): [2:0-3-8,Edge], [8:0-3-8,Edge]

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	0.55	Vert(LL)	-0.19	10-12	>999	240	MT20 244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.60	Vert(CT)	-0.26	10-12	>999	180	
TCDL	10.0	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.03	8	n/a	n/a	
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MSH							
BCDL	10.0										Weight: 132 lb FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.2 *Except* W1:2x4 SP No.3
 WEDGE Left: 2x4 SP No.3
 Right: 2x4 SP No.3

BRACING

TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 4-7-10 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.

REACTIONS (lb/size) 2=1003/0-5-8, (min. 0-1-8), 8=1003/0-5-8, (min. 0-1-8)
 Max Horiz 2=-265 (LC 12)
 Max Uplift 2=-114 (LC 14), 8=-114 (LC 15)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-19=-1144/121, 3-19=-981/158, 3-20=-1055/243, 4-20=-988/246, 4-5=-984/266, 5-6=-984/266, 6-21=-988/246,
 7-21=-1056/243, 7-22=-981/158, 8-22=-1144/121
 BOT CHORD 2-12=-145/967, 12-23=0/636, 11-23=0/636, 11-24=0/636, 10-24=0/636, 8-10=-19/838
 WEBS 5-10=-182/586, 7-10=-364/273, 5-12=-182/586, 3-12=-364/273

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) -1-4-0 to 1-8-0, Interior (1) 1-8-0 to 8-6-8, Exterior (2) 8-6-8 to 14-6-8, Interior (1) 14-6-8 to 21-5-0, Exterior (2) 21-5-0 to 24-5-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load 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 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 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.

LOAD CASE(S) Standard

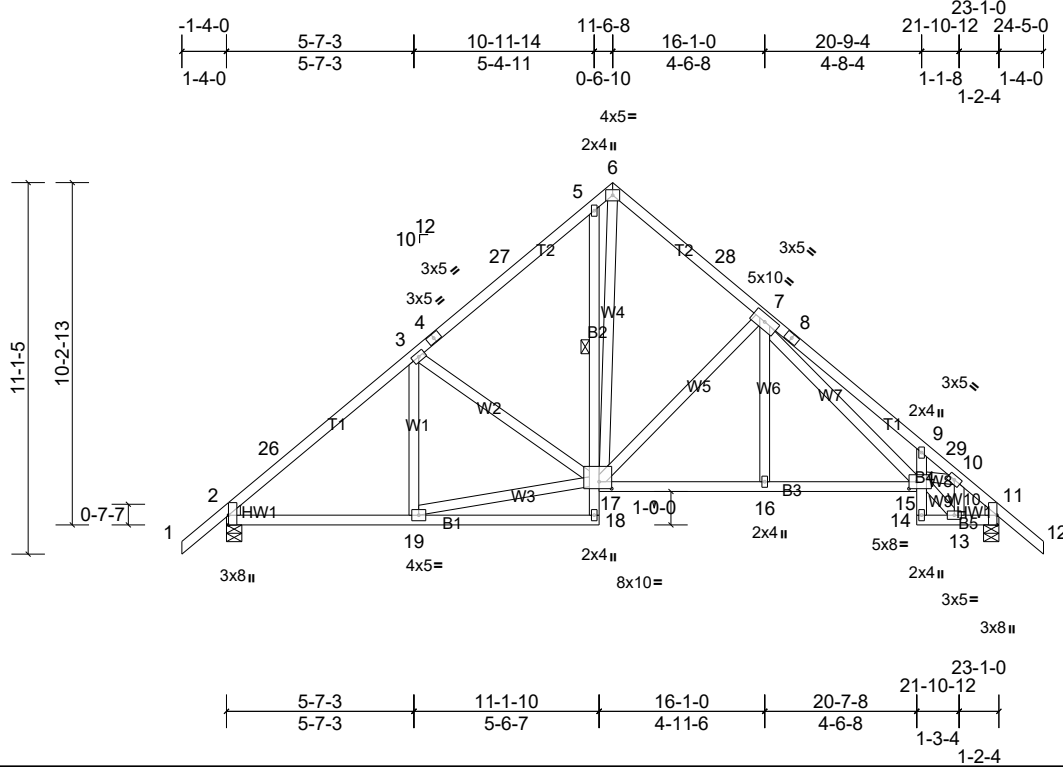
Job 21040035-A	Truss C03	Truss Type Roof Special	Qty 1	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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Scale = 1:69.2

Plate Offsets (X, Y): [2:0-3-8,Edge], [11:0-3-8,Edge], [15:0-2-12,0-2-8], [17:0-4-8,0-2-8]

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	0.37	Vert(LL)	-0.06	15-16	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.37	Vert(CT)	-0.13	15-16	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.07	11	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MSH								
BCDL	10.0											
											Weight: 171 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2 *Except* B2,B4:2x4 SP No.3
 WEBS 2x4 SP No.3
 WEDGE Left: 2x4 SP No.3
 Right: 2x4 SP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-9-15 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
 1 Row at midpt 5-17

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

REACTIONS (lb/size) 2=1003/0-5-8, (min. 0-1-8), 11=1003/0-5-8, (min. 0-1-8)
 Max Horiz 2=-265 (LC 12)
 Max Uplift 2=-114 (LC 14), 11=-114 (LC 15)

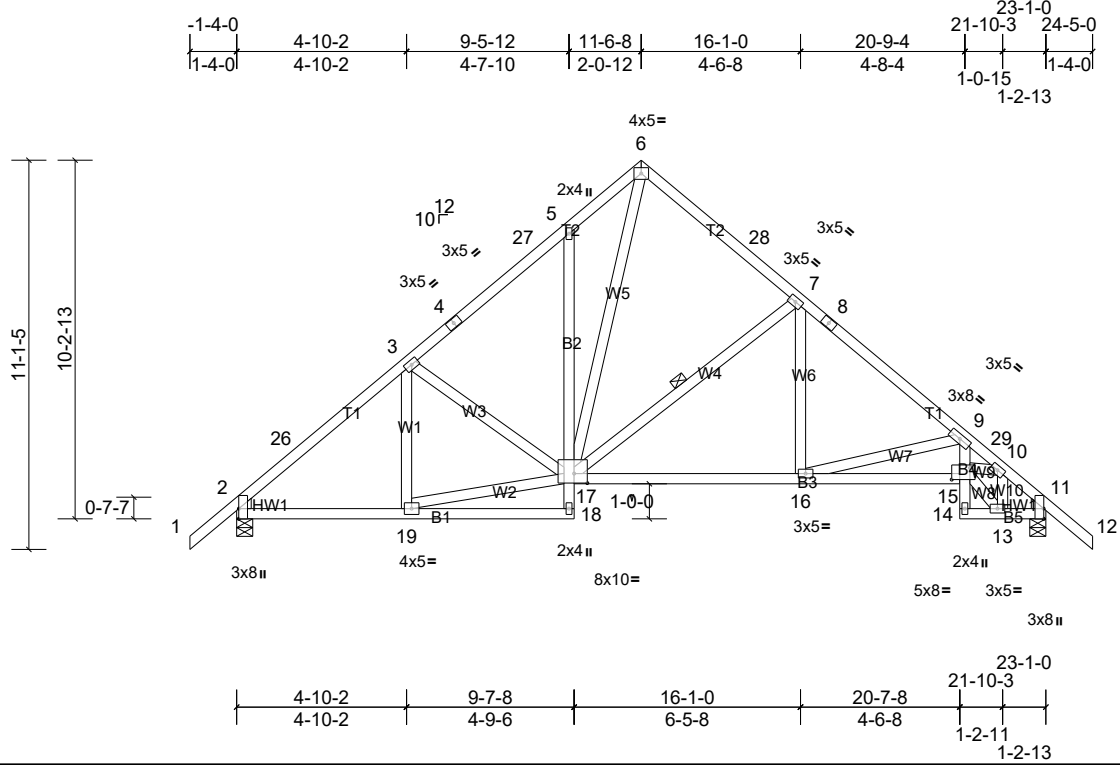
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-26=-1162/115, 3-26=-983/145, 3-4=-936/153, 4-27=-827/172, 5-27=-827/190, 5-6=-886/286, 6-28=-777/209,
 7-28=-850/177, 7-8=-1886/275, 8-9=-2029/255, 9-29=-1896/121, 10-29=-1914/117, 10-11=-1024/83
 BOT CHORD 2-19=-143/895, 5-17=-275/189, 16-17=0/914, 15-16=0/913, 9-15=-257/200, 11-13=-16/705
 WEBS 17-19=-138/874, 3-17=-326/183, 6-17=-304/921, 7-17=-523/188, 7-15=-191/942, 10-13=-694/24, 10-15=-39/797,
 13-15=-2/785

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) -1-4-0 to 1-8-0, Interior (1) 1-8-0 to 8-6-8, Exterior (2) 8-6-8 to 14-6-8, Interior (1) 14-6-8 to 21-5-0, Exterior (2) 21-5-0 to 24-5-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load 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 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 11. 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.

LOAD CASE(S) Standard

Job 21040035-A	Truss C04	Truss Type Roof Special	Qty 4	Ply 1	1100 Carolina Way-Roof-BB-2250
Carter Components, Sanford, NC, user					Job Reference (optional)



Scale = 1:66

Plate Offsets (X, Y): [2:0-3-8,Edge], [11:0-3-8,Edge], [15:0-6-4,0-4-0], [17:0-4-8,0-3-4]

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	0.34	Vert(LL)	-0.07	16-17	>999	240	MT20 244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.66	Vert(CT)	-0.17	16-17	>999	180	
TCDL	10.0	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.09	11	n/a	n/a	
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MSH							
BCDL	10.0										Weight: 165 lb FT = 20%

LUMBER
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2 *Except* B2,B4:2x4 SP No.3
 WEBS 2x4 SP No.3
 WEDGE Left: 2x4 SP No.3
 Right: 2x4 SP No.3

BRACING
 TOP CHORD Structural wood sheathing directly applied or 3-8-3 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
 6-0-0 oc bracing: 18-19.
 WEBS 1 Row at midpt 7-17

REACTIONS (lb/size) 2=1003/0-5-8, (min. 0-1-8), 11=1003/0-5-8, (min. 0-1-8)
 Max Horiz 2=-265 (LC 12)
 Max Uplift 2=-114 (LC 14), 11=-114 (LC 15)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-26=-1171/116, 3-26=-1018/140, 3-4=-1033/145, 4-27=-941/161, 5-27=-900/177, 5-6=-1026/290, 6-28=-700/207,
 7-28=-779/175, 7-8=-1102/145, 8-9=-1264/126, 9-29=-2352/140, 10-29=-2368/133, 10-11=-1028/85
 BOT CHORD 2-19=-141/912, 5-17=-267/178, 16-17=0/912, 15-16=-86/1958, 9-15=0/823, 11-13=-16/699
 WEBS 6-17=-269/968, 7-17=-545/184, 7-16=0/394, 9-16=-1086/173, 10-13=-839/30, 10-15=-50/1136, 13-15=-10/884,
 17-19=-135/915

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - 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) exterior zone and C-C Exterior (2) -1-4-0 to 1-8-0, Interior (1) 1-8-0 to 8-6-8, Exterior (2) 8-6-8 to 14-6-8, Interior (1) 14-6-8 to 21-5-0, Exterior (2) 21-5-0 to 24-5-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load 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 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 11. 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.

LOAD CASE(S) Standard

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

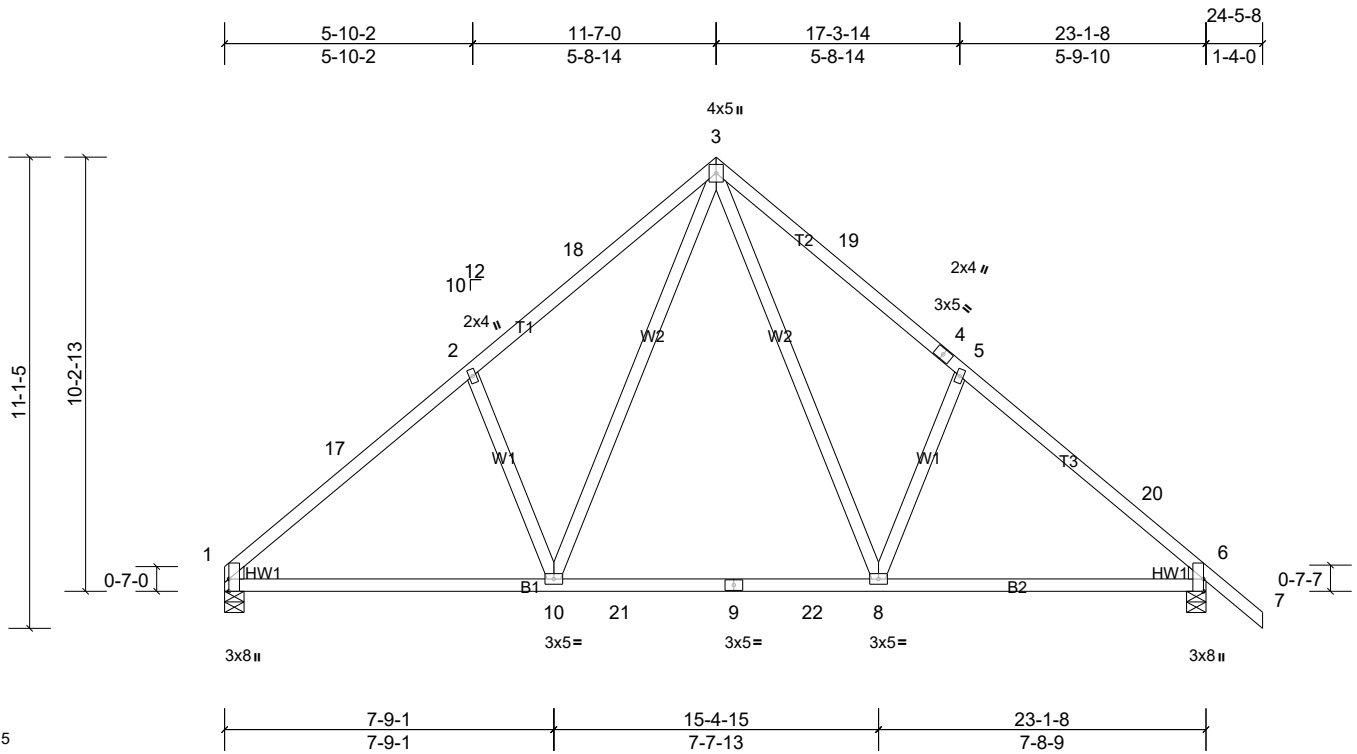
Job 21040035-A	Truss C05	Truss Type Common	Qty 1	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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Scale = 1:54.5

Plate Offsets (X, Y): [1:0-3-8,Edge], [6:0-3-8,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	0.53	Vert(LL)	-0.19	8-10	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.60	Vert(CT)	-0.25	8-10	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.03	6	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MSH								
BCDL	10.0											
											Weight: 130 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.2 *Except* W1:2x4 SP No.3
 WEDGE Left: 2x4 SP No.3
 Right: 2x4 SP No.3

BRACING

TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 4-8-11 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.

REACTIONS (lb/size) 1=923/0-5-8, (min. 0-1-8), 6=1007/0-5-8, (min. 0-1-8)
 Max Horiz 1=-257 (LC 12)
 Max Uplift 1=-86 (LC 14), 6=-115 (LC 15)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-17=-1158/146, 2-17=-991/170, 2-18=-1072/259, 3-18=-992/282, 3-19=-989/270, 4-19=-1045/249, 4-5=-1060/226,
 5-20=-986/163, 6-20=-1150/126
 BOT CHORD 1-10=-162/982, 10-21=0/640, 9-21=0/640, 9-22=0/640, 8-22=0/640, 6-8=-20/842
 WEBS 3-8=-182/584, 5-8=-364/273, 3-10=-189/605, 2-10=-366/276

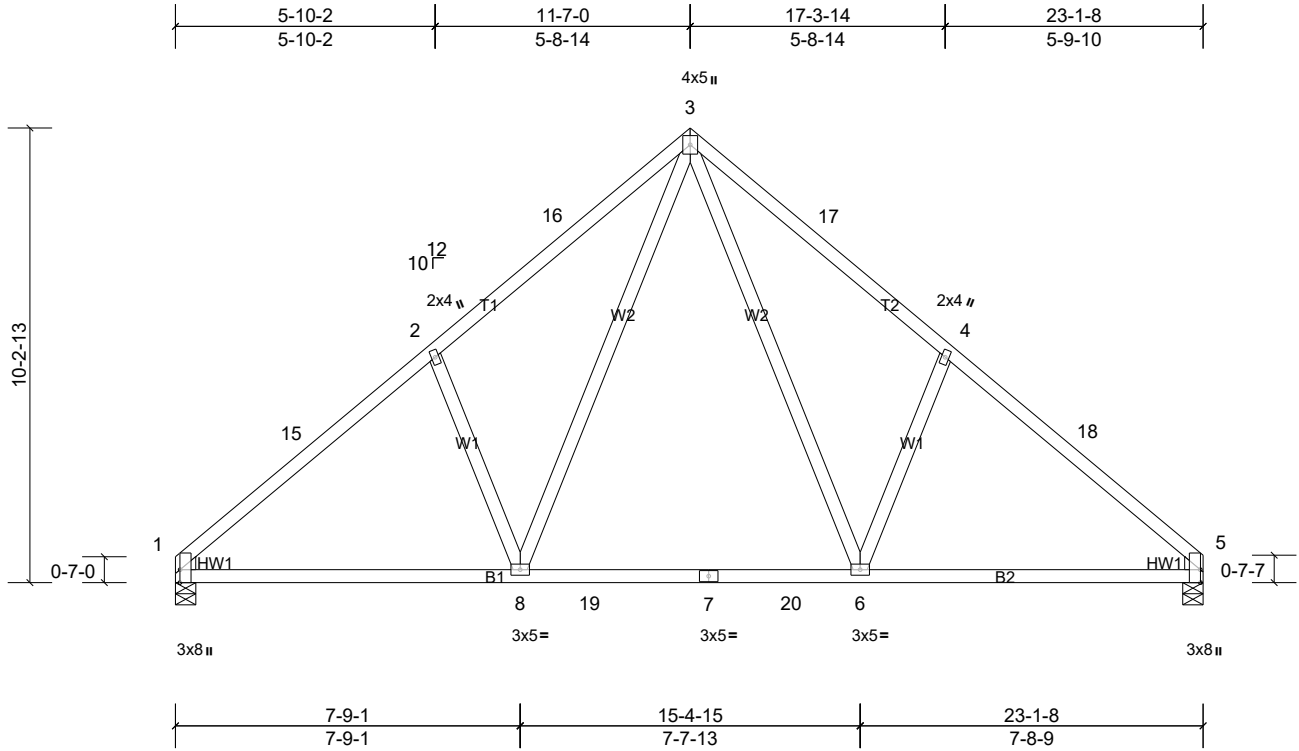
NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 0-0-0 to 3-0-0, Interior (1) 3-0-0 to 8-7-0, Exterior (2) 8-7-0 to 14-7-0, Interior (1) 14-7-0 to 21-5-8, Exterior (2) 21-5-8 to 24-5-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load 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 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1 and 6. 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.

LOAD CASE(S) Standard

Job 21040035-A	Truss C06	Truss Type Common	Qty 2	Ply 1	1100 Carolina Way-Roof-BB-2250
Carter Components, Sanford, NC, user					Job Reference (optional)

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Scale = 1:52.1

Plate Offsets (X, Y): [1:0-3-8,Edge], [5:0-3-8,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	0.50	Vert(LL)	-0.19	6-8	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.60	Vert(CT)	-0.25	6-8	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.02	5	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MSH								
BCDL	10.0											
											Weight: 127 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.2 *Except* W1:2x4 SP No.3
 WEDGE Left: 2x4 SP No.3
 Right: 2x4 SP No.3

BRACING

TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 4-9-6 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.

REACTIONS (lb/size) 1=925/0-5-8, (min. 0-1-8), 5=925/0-5-8, (min. 0-1-8)
 Max Horiz 1=239 (LC 11)
 Max Uplift 1=-86 (LC 14), 5=-86 (LC 15)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-15=-1161/150, 2-15=-994/174, 2-16=-1074/265, 3-16=-991/286, 3-17=-987/285, 4-17=-1069/264, 4-18=-991/174, 5-18=-1158/150
 BOT CHORD 1-8=-176/970, 8-19=0/628, 7-19=0/628, 7-20=0/628, 6-20=0/628, 5-6=-40/833
 WEBS 3-6=-188/595, 4-6=-363/276, 3-8=-189/604, 2-8=-366/276

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BC DL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 0-0-0 to 3-0-0, Interior (1) 3-0-0 to 8-7-0, Exterior (2) 8-7-0 to 14-7-0, Interior (1) 14-7-0 to 20-1-8, Exterior (2) 20-1-8 to 23-1-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- 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.
- One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1 and 5. 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.

LOAD CASE(S) Standard

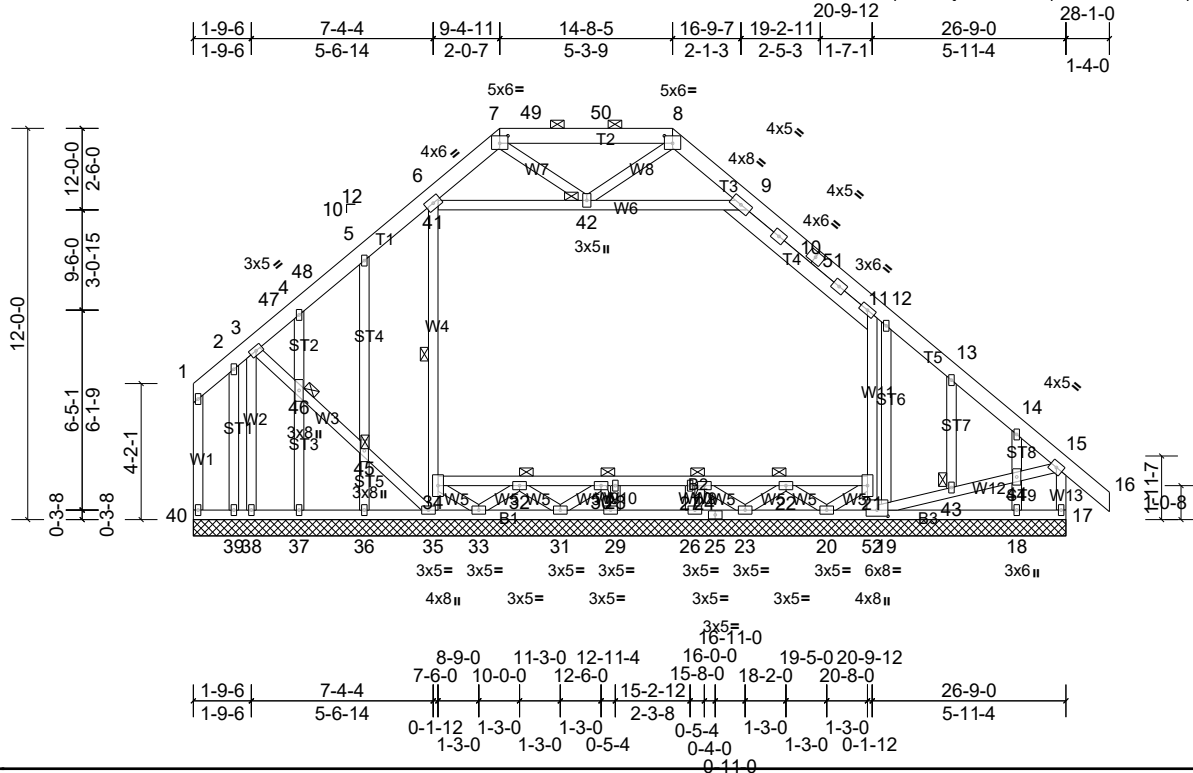
Job 21040035-A	Truss D01	Truss Type Attic Supported Gable	Qty 1	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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Carter Components, Sanford, NC, user

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Scale = 1:70.9

Plate Offsets (X, Y): [7:0-3-0,0-2-12], [8:0-3-0,0-2-12], [19:0-4-0,0-2-4]

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	0.29	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.01	17	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MSH								
BCDL	10.0											
										Weight: 302 lb	FT = 20%	

LUMBER
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except* W6:2x4 SP No.2
OTHERS 2x4 SP No.3

REACTIONS All bearings 26-9-0.
(lb) - Max Horiz 40=-340 (LC 12)
Max Uplift All uplift 100 (lb) or less at joint(s) 17, 36, 37, 39, 40 except 18=-101 (LC 15), 19=-216 (LC 15), 35=-299 (LC 42), 38=-136 (LC 10)
Max Grav All reactions 250 (lb) or less at joint(s) 18, 23, 31, 36, 40 except 17=694 (LC 38), 19=467 (LC 48), 20=360 (LC 44), 26=263 (LC 21), 29=264 (LC 21), 33=262 (LC 21), 35=304 (LC 10), 37=303 (LC 38), 38=517 (LC 38), 39=322 (LC 38)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-47=-547/144, 4-47=-489/154, 4-48=-657/168, 5-48=-568/180, 5-6=-636/225, 6-7=-558/155, 7-49=-488/132, 49-50=-488/132, 8-50=-488/132, 8-9=-591/150, 9-10=-651/203, 10-51=-677/180, 11-51=-789/176, 11-12=-507/77, 12-13=-551/55, 13-14=-656/40, 14-15=-642/50, 15-17=-692/30
BOT CHORD 39-40=-284/314, 38-39=-284/314, 37-38=-284/314, 36-37=-284/314, 35-36=-284/314, 33-35=-64/426, 31-33=-20/358, 20-23=-14/350, 20-52=0/609, 19-52=0/609, 28-30=-23/257, 27-28=-23/257, 24-27=-23/257
WEBS 3-38=-491/136, 3-46=-216/611, 45-46=-214/605, 35-45=-214/606, 34-35=-255/0, 34-41=-297/97, 19-21=-438/121, 11-21=-579/164, 19-43=-36/482, 43-44=-35/470, 15-44=-36/481, 20-21=-370/0, 4-46=-277/69, 37-46=-268/69, 2-39=-325/86

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - 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) interior zone and C-C Corner (3) 4-4-15 to 7-6-1, Exterior (2) 7-6-1 to 10-7-15, Corner (3) 10-7-15 to 21-11-8, Exterior (2) 21-11-8 to 29-4-3, Corner (3) 29-4-3 to 32-4-3 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2-0-0 oc.

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

Job 21040035-A	Truss D01	Truss Type Attic Supported Gable	Qty 1	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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- 11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 12) * This truss has been designed for a live load of 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.
- 13) Ceiling dead load (5.0 psf) on member(s). 9-11, 41-42, 9-42; Wall dead load (5.0psf) on member(s).34-41, 11-21
- 14) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 17, 40, 38, 35, 18, 36, 37, and 39. This connection is for uplift only and does not consider lateral forces.
- 15) One RT16A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 19. This connection is for uplift only and does not consider lateral forces.
- 16) 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.
- 17) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 18) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

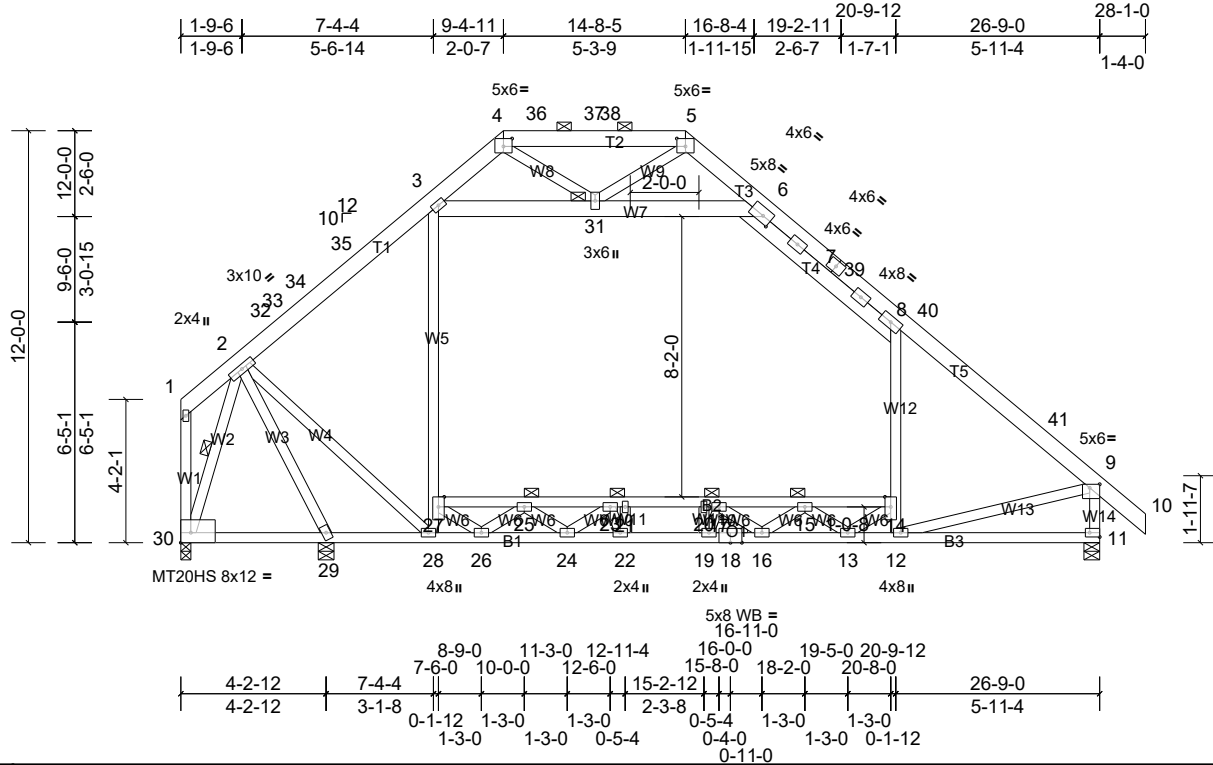
Job 21040035-A	Truss D02	Truss Type Attic	Qty 3	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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Scale = 1:67.4

Plate Offsets (X, Y): [4:0-3-0,0-2-12], [5:0-3-0,0-2-12], [6:0-3-2,0-2-4], [9:Edge,0-3-12], [11:Edge,0-1-8], [30:Edge,0-3-8]

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	0.59	Vert(LL)	-0.22	15-17	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.97	Vert(CT)	-0.40	15-17	>664	180	MT20HS	187/143
TCDL	10.0	Rep Stress Incr	YES	WB	0.96	Horz(CT)	0.06	11	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MSH		Attic	-0.13	14-27	>999	360		
BCDL	10.0											
											Weight: 276 lb	FT = 20%

LUMBER

TOP CHORD 2x6 SP No.2 *Except* T3,T5:2x6 SP 2400F 2.0E
 BOT CHORD 2x4 SP No.1 *Except* B2:2x4 SP No.2
 WEBS 2x4 SP No.3 *Except* W7:2x6 SP No.2, W14:2x4 SP No.2
 OTHERS 2x4 SP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-2-9 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-5.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 2-30
 JOINTS 1 Brace at Jt(s): 25, 15, 23, 17, 31

REACTIONS (lb/size) 11=1580/0-5-8, (min. 0-2-7), 29=512/0-5-8, (min. 0-1-8), 30=1818/0-3-8, (min. 0-3-2)
 Max Horiz 30=355 (LC 10)
 Max Uplift 29=1084 (LC 48), 30=371 (LC 15)
 Max Grav 11=2056 (LC 48), 29=646 (LC 10), 30=2642 (LC 48)

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

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-32=-1952/174, 32-33=-1916/177, 33-34=-1904/181, 34-35=-1883/182, 3-35=-1736/209, 3-4=-465/139, 4-36=-343/122, 36-37=-343/122, 37-38=-343/122, 5-38=-343/122, 5-6=-451/160, 6-7=-1296/163, 7-39=-1492/139, 8-39=-1566/124, 8-40=-1854/0, 40-41=-1881/0, 9-41=-2048/0, 9-11=-1968/24
 BOT CHORD 29-30=0/745, 28-29=-185/1046, 26-28=0/1229, 24-26=0/2564, 22-24=0/3509, 19-22=0/3627, 18-19=0/3594, 16-18=0/3594, 13-16=0/2906, 12-13=0/1452, 25-27=-604/0, 23-25=-2010/0, 21-23=-2565/0, 20-21=-2565/0, 17-20=-2565/0, 15-17=-2200/0, 14-15=-1026/0
 WEBS 2-29=-654/1115, 2-28=-83/754, 27-28=-308/318, 3-27=-118/830, 12-14=-332/69, 8-14=0/673, 3-31=-1519/214, 6-31=-1702/132, 9-12=0/1210, 2-30=-2575/344, 26-27=0/888, 13-14=0/1176, 25-26=-1169/0, 13-15=-1014/0, 24-25=0/661, 15-16=0/515, 23-24=-568/0, 16-17=-431/0, 22-23=0/322, 5-31=0/272

NOTES

- Unbalanced roof live loads have been considered for this design.
- 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) exterior zone and C-C Exterior (2) 4-4-15 to 7-4-15, Interior (1) 7-4-15 to 9-5-0, Exterior (2) 9-5-0 to 23-2-6, Interior (1) 23-2-6 to 29-4-3, Exterior (2) 29-4-3 to 32-4-3 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- All plates are 3x5 MT20 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 bottom chord and any other members.
- Ceiling dead load (5.0 psf) on member(s). 6-8, 3-31, 6-31; Wall dead load (5.0psf) on member(s).3-27, 8-14
- Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 25-27, 23-25, 21-23, 20-21, 17-20, 15-17, 14-15
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1084 lb uplift at joint 29.

Job 21040035-A	Truss D02	Truss Type Attic	Qty 3	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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- 14) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 30. This connection is for uplift only and does not consider lateral forces.
- 15) 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.
- 16) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 17) This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.
- 18) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

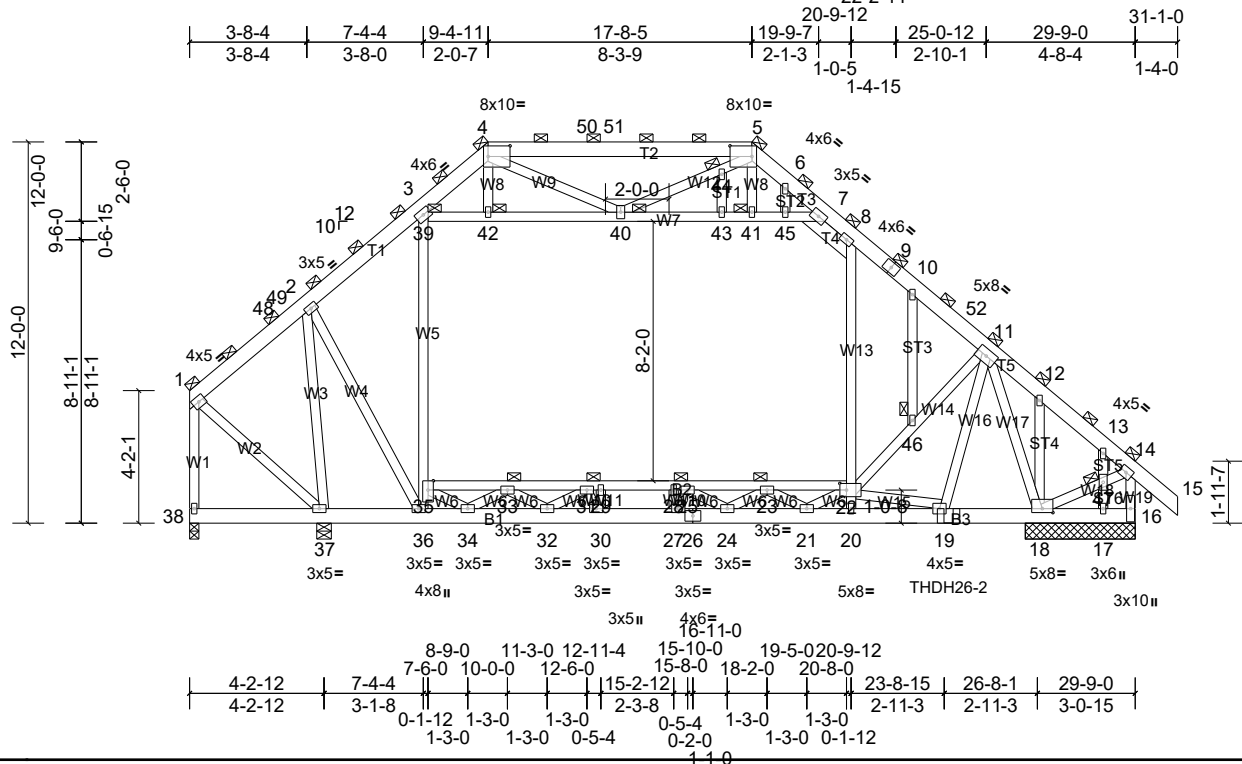
Job 21040035-A	Truss D03	Truss Type Attic Girder	Qty 1	Ply 4	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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Scale = 1:72.8

Plate Offsets (X, Y): [4:0-8-4,0-4-0], [5:0-8-4,0-4-0], [18:0-4-0,0-1-8], [22:0-2-8,0-2-8]

Loading	(psf)	Spacing	6-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP		
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.56	Vert(LL)	-0.08	28-29	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.59	Vert(CT)	-0.14	28-29	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.91	Horz(CT)	0.02	18	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MSH		Attic	-0.06	22-35	>999	360		
BCDL	10.0											Weight: 1402 lb FT = 20%

LUMBER	BRACING
TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2 *Except* B2:2x4 SP No.2
WEBS	2x4 SP No.3 *Except* W7:2x4 SP No.2
OTHERS	2x4 SP No.3
REACTIONS	TOP CHORD
All bearings 3-5-8. except 38=0-3-8, 37=0-5-8	2-0-0 oc purlins (6-0-0 max.), except end verticals
(lb) - Max Horiz 38=-1057 (LC 10)	(Switched from sheeted: Spacing > 2-0-0).
Max Uplift All uplift 100 (lb) or less at joint(s) except 16=-3230 (LC 28), 17=-1806 (LC 28), 37=-762 (LC 57), 38=-167 (LC 8)	BOT CHORD
Max Grav All reactions 250 (lb) or less at joint(s) 16, 17 except 18=14062 (LC 28), 37=2687 (LC 44), 38=4047 (LC 28)	Rigid ceiling directly applied or 6-0-0 oc bracing.
	1 Brace at Jt(s): 5, 39, 14, 1, 40, 41, 4, 42, 33, 23, 31, 25, 44, 46, 47
FORCES	JOINTS
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	
1-48=-2861/162, 48-49=-2606/171, 2-49=-2557/182, 2-3=-3765/0, 3-4=-2607/394, 4-50=-2279/336, 50-51=-2279/336, 5-51=-2279/336, 5-6=-2436/478, 6-7=-2746/461, 7-8=-3037/131, 8-9=-3691/0, 9-10=-3839/0, 10-52=-3669/0, 11-52=-3776/0, 11-12=0/3620, 12-13=0/4636, 13-14=0/3854, 14-16=0/3564, 1-38=-3881/209	
BOT CHORD	
37-38=-862/970, 36-37=0/1840, 34-36=0/2552, 32-34=0/5826, 30-32=0/7872, 27-30=0/7926, 26-27=0/7503, 24-26=0/7503, 21-24=0/4756, 20-21=-1236/1617, 19-20=-1102/1679, 18-19=-669/514, 33-35=-1105/0, 31-33=-4795/0, 29-31=-5703/0, 28-29=-5703/0, 25-28=-5703/0, 23-25=-3661/0, 22-23=-485/1089	
WEBS	
2-37=-3785/188, 2-36=0/2380, 35-36=-927/248, 35-39=-358/1223, 3-39=-115/1179, 20-22=0/731, 8-22=-295/1346, 39-42=-1783/0, 40-42=-1783/0, 40-43=-1867/0, 41-43=-1867/0, 41-45=-1867/0, 7-45=-1870/0, 18-47=-3609/40, 14-47=-3638/40, 1-37=-276/2880, 40-44=-3/254, 5-44=-1/279, 34-35=0/1927, 21-22=0/3464, 33-34=-3134/0, 21-23=-3542/0, 32-33=0/1516, 23-24=0/1965, 31-32=-1106/0, 24-25=-2041/0, 30-31=-70/324, 25-27=0/1019, 29-30=-312/9, 27-28=-611/0, 11-19=0/3173, 19-22=-736/1045, 22-46=0/3363, 11-46=0/3702, 11-18=-9512/0, 6-45=-89/316, 10-46=-491/0, 12-18=-1829/0, 13-47=0/922, 17-47=0/862	

- NOTES**
- Special connection required to distribute bottom chord loads equally between all plies.
 - 4-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, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 3 rows staggered at 0-4-0 oc, 2x4 - 1 row at 0-9-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
Attach TC w/ 1/2" diam. bolts (ASTM A-307) in the center of the member w/washers at 4-0-0 oc.
Attach BC w/ 1/2" diam. bolts (ASTM A-307) in the center of the member w/washers at 4-0-0 oc.
 - 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; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; vult vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60

Job 21040035-A	Truss D03	Truss Type Attic Girder	Qty 1	Ply 4	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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- 6) 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.
- 7) TCELL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- 8) Unbalanced snow loads have been considered for this design.
- 9) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 10) Provide adequate drainage to prevent water ponding.
- 11) All plates are 2x4 MT20 unless otherwise indicated.
- 12) Gable studs spaced at 2-0-0 oc.
- 13) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 14) * 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.
- 15) Ceiling dead load (5.0 psf) on member(s). 7-8, 39-42, 40-42, 40-43, 41-43, 41-45, 7-45; Wall dead load (5.0psf) on member(s).35-39, 8-22
- 16) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 33-35, 31-33, 29-31, 28-29, 25-28, 23-25, 22-23
- 17) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 762 lb uplift at joint 37, 3230 lb uplift at joint 16 and 1805 lb uplift at joint 17.
- 18) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 38. This connection is for uplift only and does not consider lateral forces.
- 19) 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.
- 20) This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.
- 21) Use MiTek THDH26-2 (With 22-16d nails into Girder & 8-16d nails into Truss) or equivalent at 28-1-12 from the left end to connect truss(es) G01 (2 ply 2x6 SP) to front face of bottom chord.
- 22) Fill all nail holes where hanger is in contact with lumber.
- 23) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

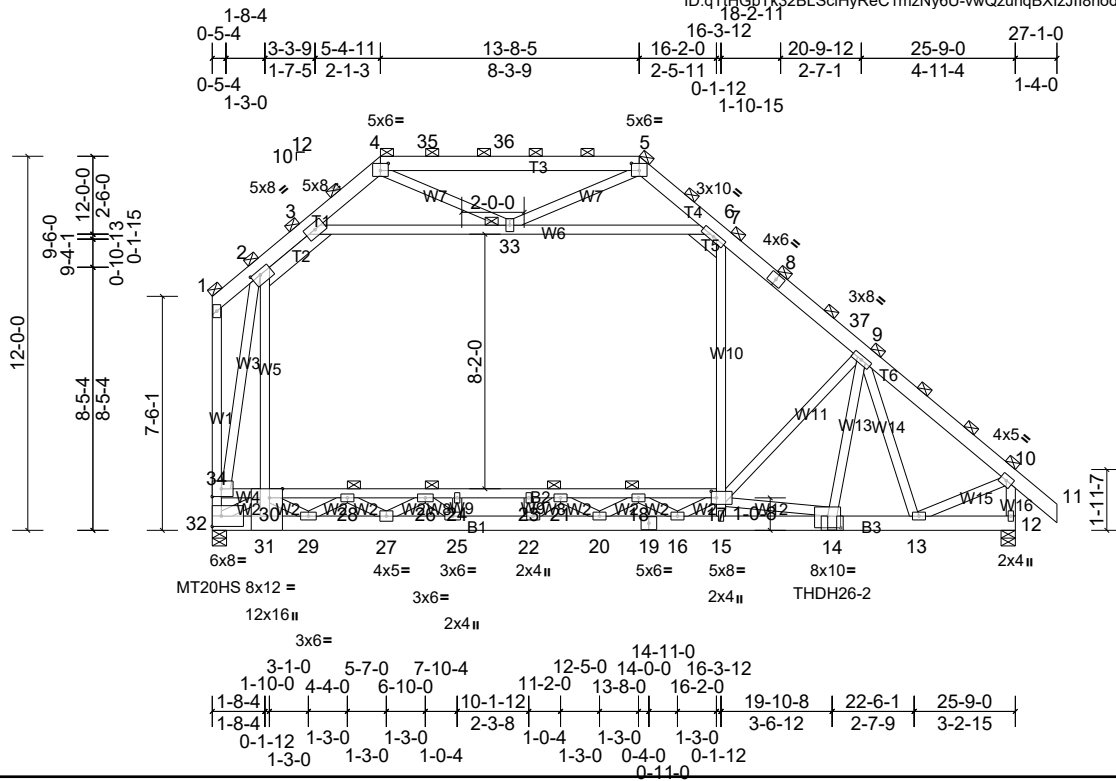
- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-4=-180, 4-5=-180, 5-7=-180, 7-8=-210, 8-14=-180, 14-15=-180, 16-38=-60, 22-35=-90, 39-42=-30, 40-42=-30, 40-43=-30, 41-43=-30, 41-45=-30, 7-45=-30
Drag: 35-39=-30, 8-22=-30
Concentrated Loads (lb)
Vert: 19=-1475 (F)

Job 21040035-A	Truss D04	Truss Type Attic Girder	Qty 1	Ply 4	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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Plate Offsets (X, Y): [2:0-3-8,0-1-12], [4:0-3-0,0-2-12], [5:0-3-0,0-2-12], [14:0-5-0,0-4-8], [17:0-2-0,0-2-8], [31:0-3-8,Edge], [34:0-3-8,0-3-0]

Loading	(psf)	Spacing	6-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP		
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.73	Vert(LL)	-0.22	17-18	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.98	Vert(CT)	-0.42	17-18	>731	180	MT20HS	187/143
TCDL	10.0	Rep Stress Incr		NO	0.89	Horz(CT)	0.03	12	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MSH		Attic	-0.11	17-30	>999	360		
BCDL	10.0											Weight: 1230 lb FT = 20%

LUMBER

TOP CHORD 2x6 SP No.2
 BOT CHORD 2x6 SP No.2 *Except* B2:2x4 SP No.1
 WEBS 2x4 SP No.3 *Except* W5:2x4 SP 2400F 2.0E, W6,W1,W2,W3:2x4 SP No.2

BRACING

TOP CHORD 2-0-0 oc purlins (6-0-0 max.), except end verticals (Switched from sheeted: Spacing > 2-0-0).
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 31-32,29-31,27-29.
 JOINTS 1 Brace at Jt(s): 1, 4, 5, 10, 33, 28, 18, 26, 21

REACTIONS (lb/size) 12=5294/0-5-8, (min. 0-2-1), 32=4872/0-5-8, (min. 0-1-15)
 Max Horiz 32=-1186 (LC 8)
 Max Grav 12=6942 (LC 28), 32=6483 (LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-753/228, 2-3=-3615/0, 3-4=-2485/741, 4-35=-2372/402, 35-36=-2372/402, 5-36=-2372/402, 5-6=-2779/522, 6-7=-3163/52, 7-8=-4533/0, 8-37=-4659/0, 9-37=-4926/0, 9-10=-6352/0, 10-12=-6846/0, 32-34=-14248/0, 1-34=-815/251
 BOT CHORD 31-32=-13213/0, 29-31=-14209/0, 27-29=-5163/897, 25-27=0/5010, 22-25=0/8111, 20-22=0/10521, 19-20=0/13535, 16-19=0/13535, 15-16=0/13126, 14-15=0/12892, 13-14=0/5418, 28-30=0/12848, 26-28=-295181, 24-26=-5425/0, 23-24=-5425/0, 21-23=-5425/0, 18-21=-9905/0, 17-18=-10744/0
 WEBS 30-31=0/2742, 2-30=0/12664, 15-17=-599/167, 7-17=0/2277, 3-33=-3211/0, 6-33=-2254/140, 10-13=0/5200, 4-33=0/1061, 5-33=-446/170, 29-30=0/5250, 16-17=-747/1935, 28-29=-6148/0, 16-18=-1628/1370, 27-28=0/4547, 18-20=-1555/330, 26-27=-5930/0, 20-21=-98/3111, 25-26=0/5860, 21-22=-4246/0, 24-25=-1770/0, 22-23=-2/990, 30-34=0/3945, 2-34=-14053/0, 30-32=0/12971, 9-14=0/5689, 14-17=-6920/367, 9-17=-4868/0, 9-13=-2260/0

NOTES

- Special connection required to distribute bottom chord loads equally between all plies.
- 4-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, 2x4 - 1 row at 0-9-0 oc.
 Bottom chords connected as follows: 2x6 - 3 rows staggered at 0-4-0 oc, 2x4 - 1 row at 0-9-0 oc.
 Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
 Attach TC w/ 1/2" diam. bolts (ASTM A-307) in the center of the member w/washers at 4-0-0 oc.
 Attach BC w/ 1/2" diam. bolts (ASTM A-307) in the center of the member w/washers at 4-0-0 oc.
- 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; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; 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=1.60
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- All plates are 3x5 MT20 unless otherwise indicated.

Job 21040035-A	Truss D04	Truss Type Attic Girder	Qty 1	Ply 4	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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- 12) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 13) * This truss has been designed for a live load of 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.
- 14) Ceiling dead load (5.0 psf) on member(s). 2-3, 6-7, 3-33, 6-33, 30-34; Wall dead load (5.0psf) on member(s).2-30, 7-17
- 15) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 28-30, 26-28, 24-26, 23-24, 21-23, 18-21, 17-18
- 16) 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.
- 17) Use MiTek THDH26-2 (With 22-16d nails into Girder & 8-16d nails into Truss) or equivalent at 28-1-12 from the left end to connect truss(es) G01 (2 ply 2x6 SP) to back face of bottom chord.
- 18) Fill all nail holes where hanger is in contact with lumber.
- 19) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-180, 2-3=-210, 3-4=-180, 4-5=-180, 5-6=-180, 6-7=-210, 7-10=-180, 10-11=-180, 12-32=-60, 17-30=-90, 3-33=-30, 6-33=-30, 30-34=-30
Drag: 2-30=-30, 7-17=-30
Concentrated Loads (lb)
Vert: 14=-1537 (B)

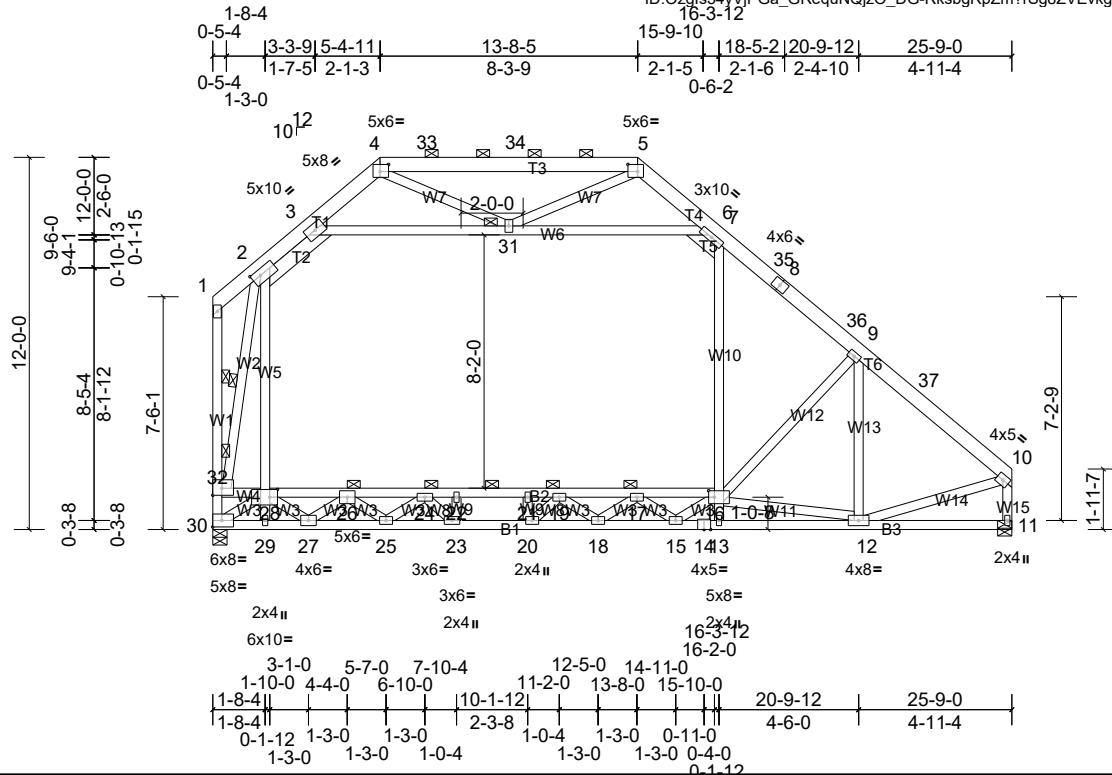
Job 21040035-A	Truss D05	Truss Type Attic	Qty 2	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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Plate Offsets (X, Y): [2:0-3-8,0-2-4], [4:0-3-4,0-2-12], [5:0-3-12,0-2-12], [16:0-2-4,0-2-8], [28:0-3-0,0-3-0], [32:0-3-8,Edge]

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	0.75	Vert(LL)	-0.25	17	>999	240	MT20 244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.99	Vert(CT)	-0.50	16-17	>617	180	
TCDL	10.0	Rep Stress Incr	YES	WB	0.99	Horz(CT)	0.04	11	n/a	n/a	
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MSH		Attic	-0.23	16-28	>738	360	
BCDL	10.0										Weight: 281 lb FT = 20%

LUMBER
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2 *Except* B1:2x4 SP No.1
WEBS 2x4 SP No.3 *Except* W5:2x4 SP No.1, W6,W1,W3,W2:2x4 SP No.2
REACTIONS (lb/size) 11=1276/0-5-8, (min. 0-1-13), 30=1511/0-5-8, (min. 0-2-6)
Max Horiz 30=-378 (LC 12)
Max Grav 11=1518 (LC 43), 30=2026 (LC 43)

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-4-6 oc purlins, except end verticals, and 2-0-0 oc purlins (5-6-0 max.): 4-5.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing. Except:
3-9-0 oc bracing: 19-24
3-10-0 oc bracing: 17-19, 16-17
10-0-0 oc bracing: 26-28, 24-26
WEBS 1 Row at midpt 2-32
WEBS 2 Rows at 1/3 pts 1-30
JOINTS 1 Brace at Jt(s): 31, 26, 17, 24, 19

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

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1079/134, 3-4=-841/234, 4-33=-800/168, 33-34=-800/168, 5-34=-800/168, 5-6=-930/211, 6-7=-941/147, 7-35=-1229/24, 8-35=-1287/9, 8-36=-1304/0, 9-36=-1420/0, 9-37=-1456/0, 10-37=-1594/0, 10-11=-1481/0, 30-32=-3979/0
BOT CHORD 29-30=-3508/140, 27-29=-3681/123, 25-27=-1038/501, 23-25=0/1539, 20-23=0/2442, 18-20=0/2903, 15-18=0/3169, 14-15=-176/2725, 13-14=-176/2725, 12-13=-162/2689, 26-28=0/3132, 24-26=-228/1015, 22-24=-1618/0, 21-22=-1618/0, 19-21=-1618/0, 17-19=-2356/0, 16-17=-2201/252
WEBS 28-29=0/324, 2-28=0/3406, 7-16=0/622, 3-31=-943/0, 6-31=-643/148, 4-31=0/318, 9-16=-502/252, 12-16=-1609/341, 10-12=0/1238, 27-28=0/1711, 15-16=-79/667, 26-27=-1743/0, 15-17=-646/129, 25-26=0/1243, 24-25=-1407/0, 18-19=-159/471, 23-24=0/1571, 19-20=-1033/125, 22-23=-744/0, 20-21=-52/441, 28-32=-42/1041, 28-30=0/3543, 2-32=-3997/0

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BC DL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 8-4-15 to 26-2-6, Interior (1) 26-2-6 to 30-10-7, Exterior (2) 30-10-7 to 33-10-7 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); PF=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
 - Unbalanced snow loads have been considered for this design.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 3x5 MT20 unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Job 21040035-A	Truss D05	Truss Type Attic	Qty 2	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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- 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.
- 9) Ceiling dead load (5.0 psf) on member(s). 2-3, 6-7, 3-31, 6-31, 28-32; Wall dead load (5.0psf) on member(s).2-28, 7-16
- 10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 26-28, 24-26, 22-24, 21-22, 19-21, 17-19, 16-17
- 11) 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.
- 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

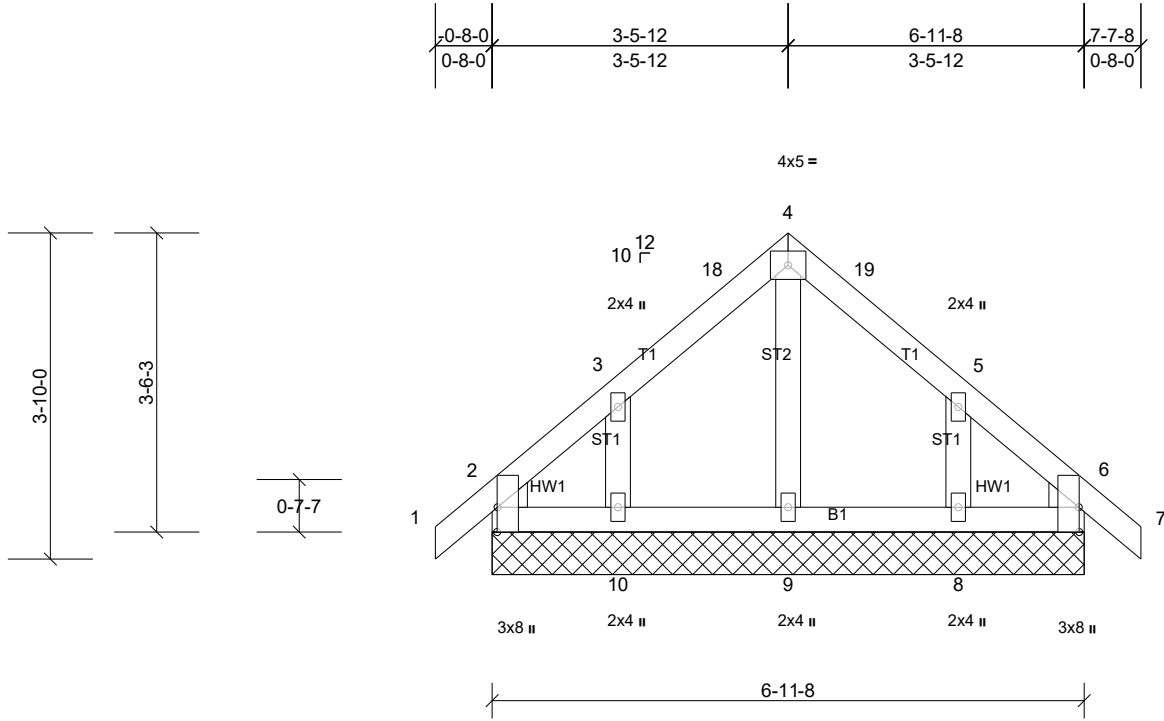
Job 21040035-A	Truss E01	Truss Type Common Supported Gable	Qty 1	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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Scale = 1:27.2

Plate Offsets (X, Y): [2:0-3-8,Edge], [6:0-3-8,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	0.05	Vert(LL)	n/a	-	n/a	999
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	n/a	-	n/a	999
TCDL	10.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	6	n/a	n/a
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP						
BCDL	10.0									
									Weight: 36 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3
WEDGE Left: 2x4 SP No.3
Right: 2x4 SP No.3

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.

REACTIONS All bearings 6-11-8.
(lb) - Max Horiz 2=85 (LC 13), 11=85 (LC 13)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 6, 11, 15 except 8=-103 (LC 15), 10=-106 (LC 14)
Max Grav All reactions 250 (lb) or less at joint(s) 2, 6, 8, 9, 10, 11, 15

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

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - 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) exterior zone and C-C Corner (3) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 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.
 - One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 6, 10, and 8. This connection is for uplift only and does not consider lateral forces.
 - Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 6.
 - 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

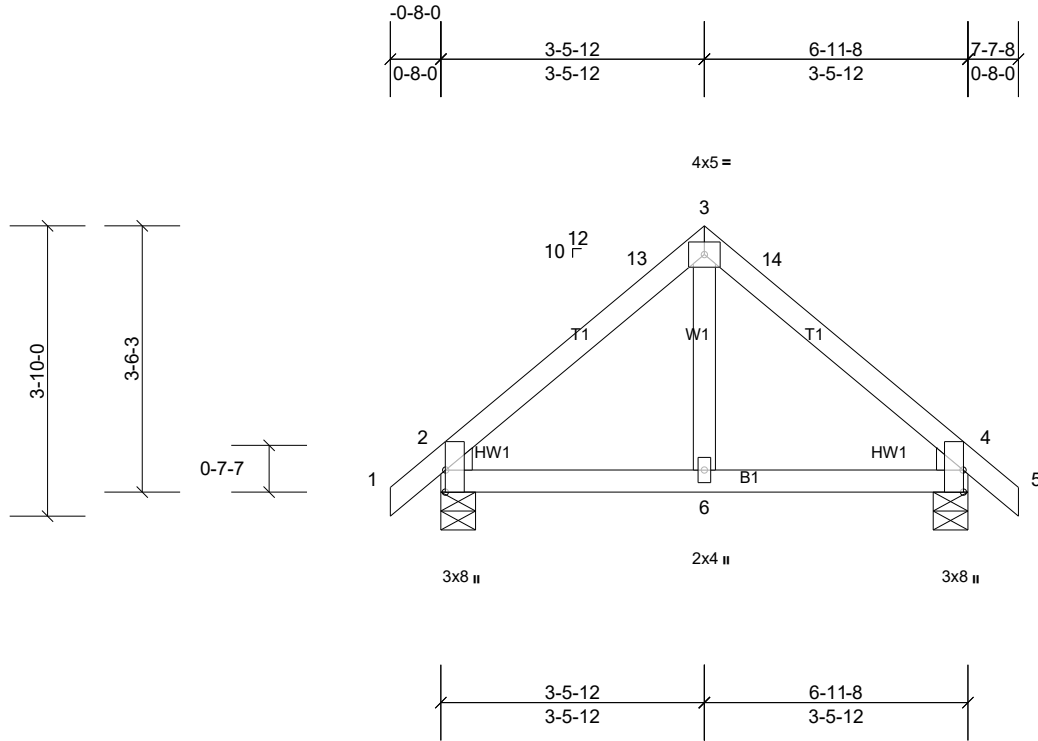
Job 21040035-A	Truss E02	Truss Type Common	Qty 4	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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ID:a0UB1BARKuAVZT10R3QxsWzNyMM-RksbgRpZm?rSg8ZVEvkgDEZiLhQL9pQgsIEUJHzNXUO



Scale = 1:30.5

Plate Offsets (X, Y): [2:0-3-8,Edge], [4:0-3-8,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	0.14	Vert(LL)	0.01	6-9	>999	240	MT20 244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.01	6-9	>999	180	
TCDL	10.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	2	n/a	n/a	
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP							
BCDL	10.0										Weight: 32 lb FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.3
 WEDGE Left: 2x4 SP No.3
 Right: 2x4 SP No.3

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.

REACTIONS (lb/size) 2=318/0-5-8, (min. 0-1-8), 4=318/0-5-8, (min. 0-1-8)
 Max Horiz 2=-85 (LC 12)
 Max Uplift 2=-39 (LC 14), 4=-39 (LC 15)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-13=-277/73, 4-14=-277/73

NOTES

- Unbalanced roof live loads have been considered for this design.
- 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) 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=1.60
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load 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 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 4. 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.

LOAD CASE(S) Standard

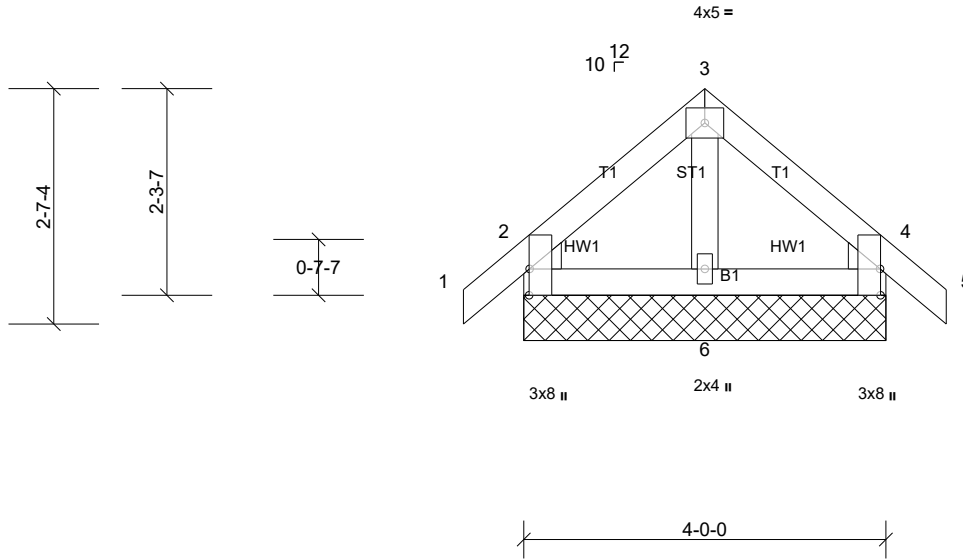
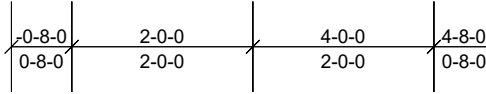
Job 21040035-A	Truss E03	Truss Type Common Supported Gable	Qty 2	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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Scale = 1:25.6

Plate Offsets (X, Y): [2:0-3-8,Edge], [4:0-3-8,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	0.07	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	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	2	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 20 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3
WEDGE Left: 2x4 SP No.3
Right: 2x4 SP No.3

BRACING
TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 4-0-0 oc purlins.
Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS All bearings 4-0-0.
(lb) - Max Horiz 2=55 (LC 13), 7=55 (LC 13)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4, 6, 7, 13
Max Grav All reactions 250 (lb) or less at joint(s) 2, 4, 7, 13 except 6=400 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-6=-276/104

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - 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) exterior zone and C-C Corner (3) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 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, 2.
 - One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4, 4, and 6. This connection is for uplift only and does not consider lateral forces.
 - Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 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.

LOAD CASE(S) Standard

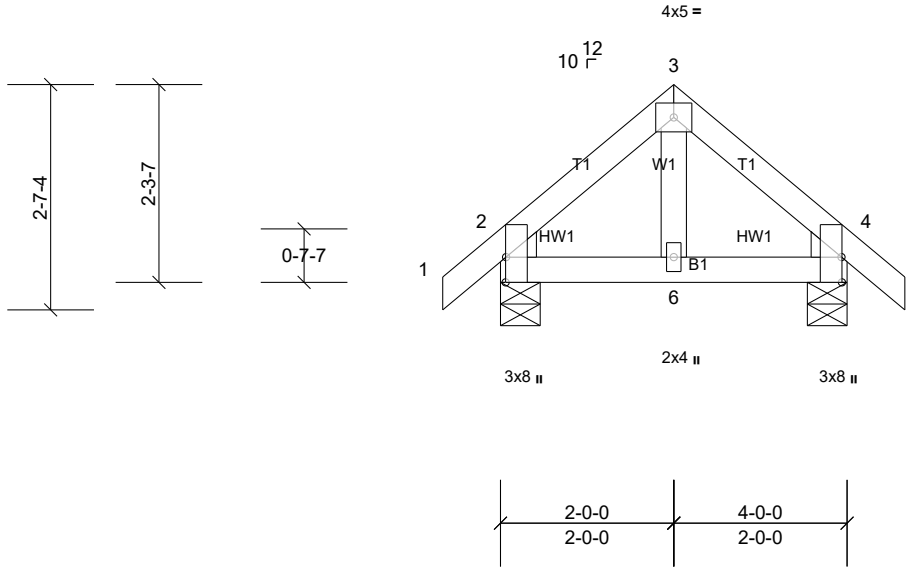
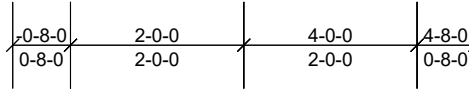
Job 21040035-A	Truss E04	Truss Type Common	Qty 6	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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ID:pT0AMS4QDQAecFQUzNG3XqzNyMU-RksbgRpZm?rSg8ZVEvkgDEZk4hSI9pugslEUJHzNXUO



Scale = 1:26.7

Plate Offsets (X, Y): [2:0-3-8,Edge], [4:0-3-8,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	0.03	Vert(LL)	0.00	6-9	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	0.00	9	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP								
BCDL	10.0											
											Weight: 20 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.3
 WEDGE Left: 2x4 SP No.3
 Right: 2x4 SP No.3

BRACING

TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 4-0-0 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.

REACTIONS (lb/size) 2=200/0-5-8, (min. 0-1-8), 4=200/0-5-8, (min. 0-1-8)
 Max Horiz 2=55 (LC 13)
 Max Uplift 2=-28 (LC 14), 4=-28 (LC 15)

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

NOTES

- Unbalanced roof live loads have been considered for this design.
- 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) 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=1.60
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load 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 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 4. 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.

LOAD CASE(S) Standard

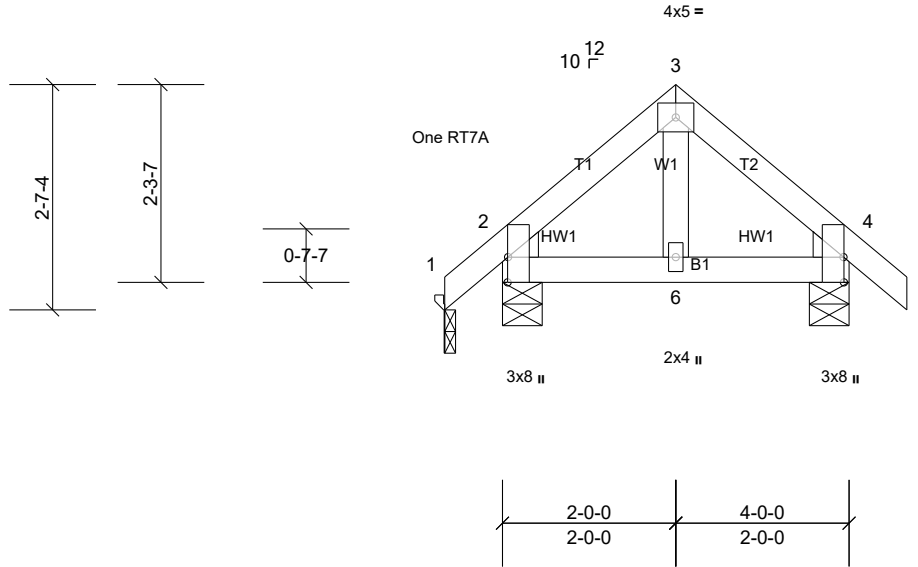
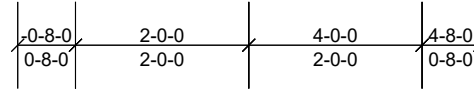
Job 21040035-A	Truss E05	Truss Type Common	Qty 2	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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Scale = 1:26.7

Plate Offsets (X, Y): [2:0-3-8,Edge], [4:0-3-8,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	0.08	Vert(LL)	0.00	6-14	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	0.00	6-14	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP								
BCDL	10.0											
											Weight: 20 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.3 *Except* T2:2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.3
 WEDGE Left: 2x4 SP No.3
 Right: 2x4 SP No.3

BRACING

TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 4-0-0 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.

REACTIONS (lb/size) 1=49/0-1-8, (min. 0-1-8), 2=189/0-5-8, (min. 0-1-8),
 4=186/0-5-8, (min. 0-1-8)
 Max Horiz 1=-57 (LC 12)
 Max Uplift 1=-18 (LC 10), 2=-50 (LC 14), 4=-30 (LC 15)
 Max Grav 1=68 (LC 25), 2=208 (LC 28), 4=186 (LC 1)

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

NOTES

- Unbalanced roof live loads have been considered for this design.
- 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) 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=1.60
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load 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 at joint(s) 1.
- One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1, 2, and 4. This connection is for uplift only and does not consider lateral forces.
- Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1.
- 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

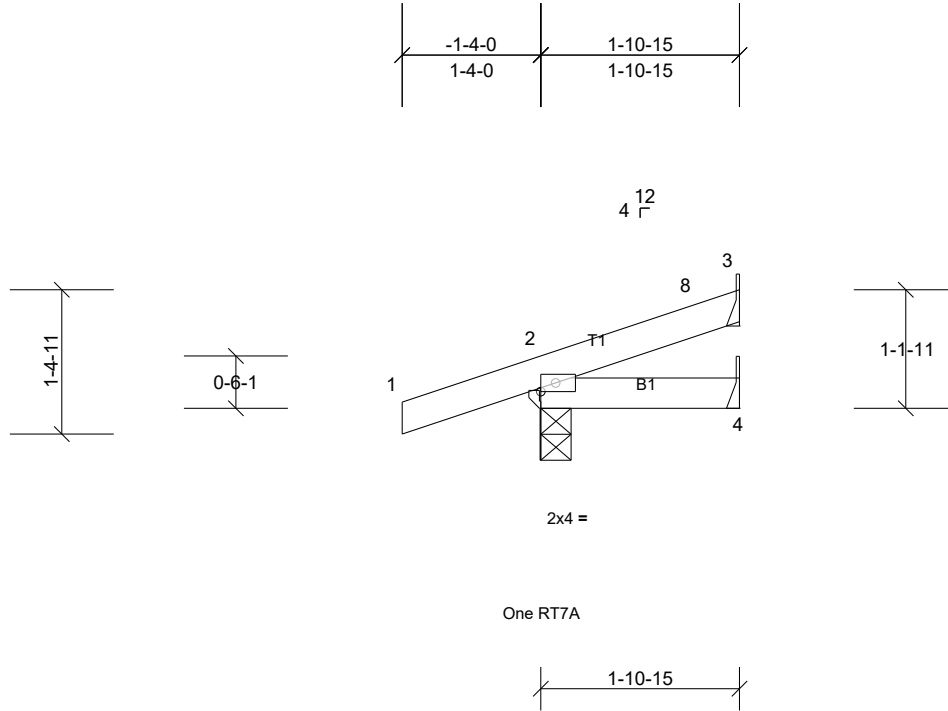
Job 21040035-A	Truss EJ01	Truss Type Jack-Open	Qty 4	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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Scale = 1:22.3

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	0.12	Vert(LL)	0.00	4-7	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	0.00	4-7	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	n/a	-	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 8 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 1-10-15 oc purlins.
Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=184/0-3-8, (min. 0-1-8), 3=36/ Mechanical, (min. 0-1-8), 4=11/ Mechanical, (min. 0-1-8)
Max Horiz 2=47 (LC 10)
Max Uplift 2=-79 (LC 10), 3=-19 (LC 14)
Max Grav 2=184 (LC 21), 3=37 (LC 21), 4=30 (LC 7)

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

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) 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=1.60
- 2) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 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.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 19 lb uplift at jt(s) 2.
- 9) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. 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.

LOAD CASE(S) Standard

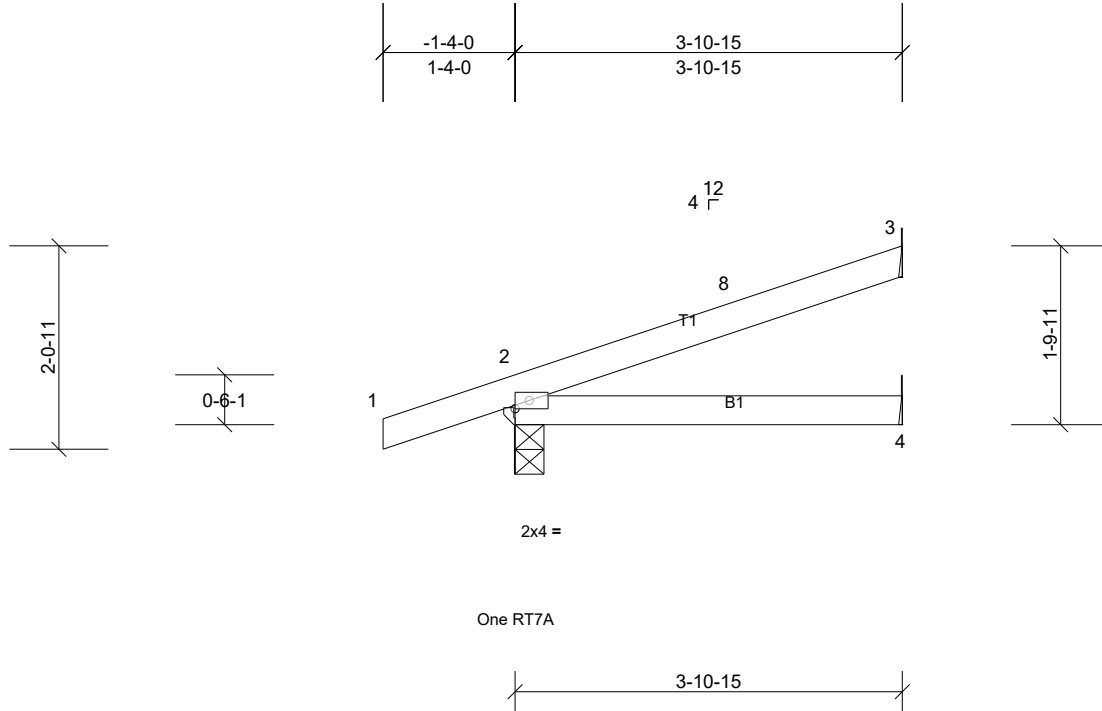
Job 21040035-A	Truss EJ02	Truss Type Jack-Open	Qty 2	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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ID: jLHNOaR2n8aiqbAOeurj9ezNyPv-RksbgRpZm?rSg8ZVEvkgDEZhGhQB9pLgslEUJHzNXUO



Scale = 1:23.4

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	0.21	Vert(LL)	-0.01	4-7	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	-0.02	4-7	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 14 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 3-10-15 oc purlins.
Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=249/0-3-8, (min. 0-1-8), 3=98/ Mechanical, (min. 0-1-8),
4=44/ Mechanical, (min. 0-1-8)

Max Horiz 2=73 (LC 10)
Max Uplift 2=-79 (LC 10), 3=-47 (LC 14)
Max Grav 2=249 (LC 1), 3=107 (LC 21), 4=70 (LC 7)

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

FORCES

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

NOTES

- 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) 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=1.60
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load 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.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 47 lb uplift at joint 3.
- One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. 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.

LOAD CASE(S) Standard

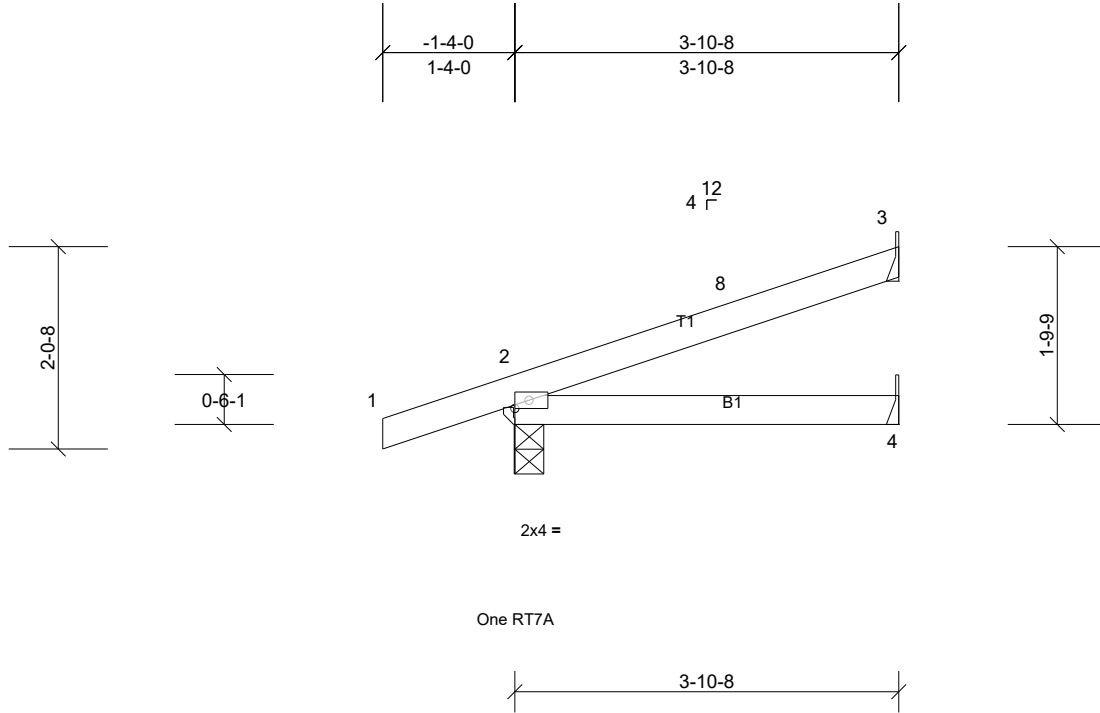
Job 21040035-A	Truss EJ03	Truss Type Jack-Open	Qty 2	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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Scale = 1:23.4

Loading	(psf)	Spacing	1-11-4	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	4-7	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.13	Vert(CT)	-0.02	4-7	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 14 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-10-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=239/0-3-8, (min. 0-1-8), 3=93/ Mechanical, (min. 0-1-8),
4=42/ Mechanical, (min. 0-1-8)
Max Horiz 2=70 (LC 10)
Max Uplift 2=-77 (LC 10), 3=-44 (LC 14)
Max Grav 2=241 (LC 21), 3=101 (LC 21), 4=67 (LC 7)

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) 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=1.60
- 2) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 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.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 44 lb uplift at joint 3.
- 9) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. 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.

LOAD CASE(S) Standard

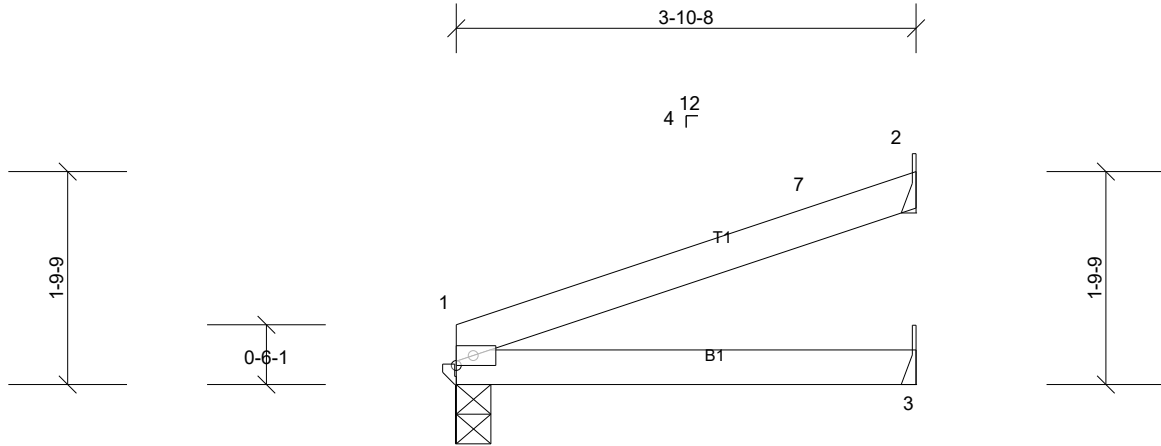
Job 21040035-A	Truss EJ04	Truss Type Jack-Open	Qty 2	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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2x4 =

One RT7A

Scale = 1:19.5

Loading	(psf)	Spacing	1-11-4	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.21	Vert(LL)	0.01	3-6	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	-0.02	3-6	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	1	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 12 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-10-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=148/0-3-8, (min. 0-1-8), 2=99/ Mechanical, (min. 0-1-8), 3=48/ Mechanical, (min. 0-1-8)
Max Horiz 1=48 (LC 10)
Max Uplift 1=-17 (LC 10), 2=-46 (LC 10)
Max Grav 1=148 (LC 20), 2=102 (LC 20), 3=69 (LC 7)

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

NOTES

- 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) 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=1.60
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- 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.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 46 lb uplift at jt(s) 2.
- One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1. 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.

LOAD CASE(S) Standard

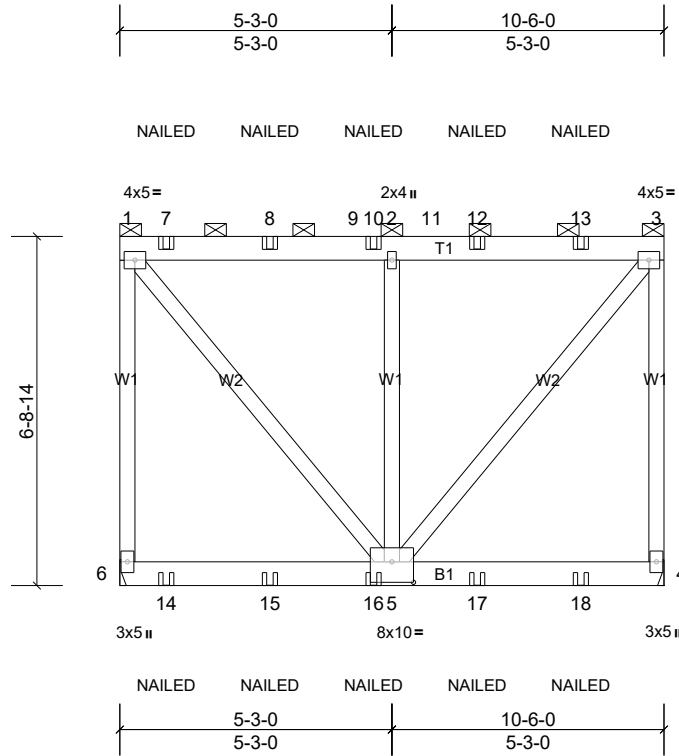
Job 21040035-A	Truss G01	Truss Type Flat Girder	Qty 1	Ply 2	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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Scale = 1:44.7

Plate Offsets (X, Y): [5:0-5-0,0-4-12]

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	Vert(LL)	-0.06	5-6	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	Vert(CT)	-0.09	5-6	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MSH							
BCDL	10.0										
										Weight: 195 lb	FT = 20%

LUMBER

TOP CHORD 2x6 SP No.2
 BOT CHORD 2x6 SP No.2
 WEBS 2x4 SP No.3

BRACING

TOP CHORD 2-0-0 oc purlins (6-0-0 max.); 1-3, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 4=1535/ Mechanical, (min. 0-1-8), 6=1597/ Mechanical, (min. 0-1-8)

Max Horiz 6=227 (LC 9)
 Max Grav 4=3518 (LC 2), 6=3572 (LC 2)

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

TOP CHORD 1-6=-2363/82, 1-7=-1743/0, 7-8=-1743/0, 8-9=-1743/0, 9-10=-1743/0, 2-10=-1743/0, 2-11=-1743/0, 11-12=-1743/0, 12-13=-1743/0, 3-13=-1743/0, 3-4=-2327/36
 WEBS 1-5=0/2715, 2-5=-694/576, 3-5=0/2715

NOTES

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
 Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
 Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
- 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.
- 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) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- 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.
- Refer to girder(s) for truss to truss connections.
- 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) 1, 2 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.

LOAD CASE(S) Standard

- Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (lb/ft)
 Vert: 1-3=-60, 4-6=-170

Job 21040035-A	Truss G01	Truss Type Flat Girder	Qty 1	Ply 2	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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Concentrated Loads (lb)

Vert: 7=-118 (F), 8=-111 (F), 10=-111 (F), 12=-111 (F), 13=-111 (F), 14=-46 (F), 15=-44 (F), 16=-44 (F), 17=-44 (F), 18=-44 (F)

2) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (lb/ft)

Vert: 1-3=-60, 4-6=-570

Concentrated Loads (lb)

Vert: 7=-94 (F), 8=-87 (F), 10=-87 (F), 12=-87 (F), 13=-87 (F), 14=-45 (F), 15=-43 (F), 16=-43 (F), 17=-43 (F), 18=-43 (F)

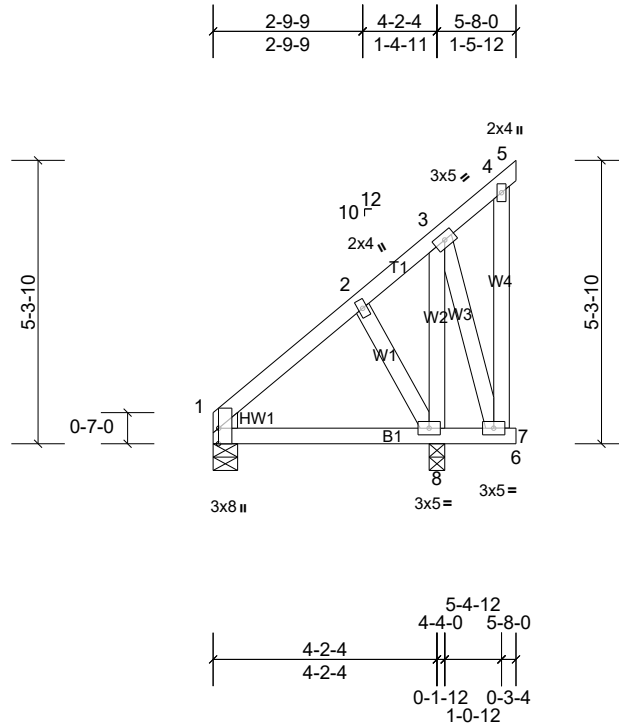
Job 21040035-A	Truss H01	Truss Type Monopitch	Qty 2	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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Scale = 1:43.3

Plate Offsets (X, Y): [1:0-3-8,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	Vert(LL)	-0.01	8-11	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	Vert(CT)	-0.01	8-11	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	Horz(CT)	0.00	1	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP							
BCDL	10.0									Weight: 42 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.3
 WEDGE Left: 2x4 SP No.3

BRACING

TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 5-8-0 oc purlins, except end verticals.

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

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

REACTIONS (lb/size) 1=147/0-5-8, (min. 0-1-8), 8=307/0-3-8, (min. 0-1-8)
 Max Horiz 1=180 (LC 13)
 Max Uplift 1=-16 (LC 10), 8=-121 (LC 11)
 Max Grav 1=198 (LC 28), 8=355 (LC 23)

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) 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=1.60
- 2) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any 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 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1 and 8. 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

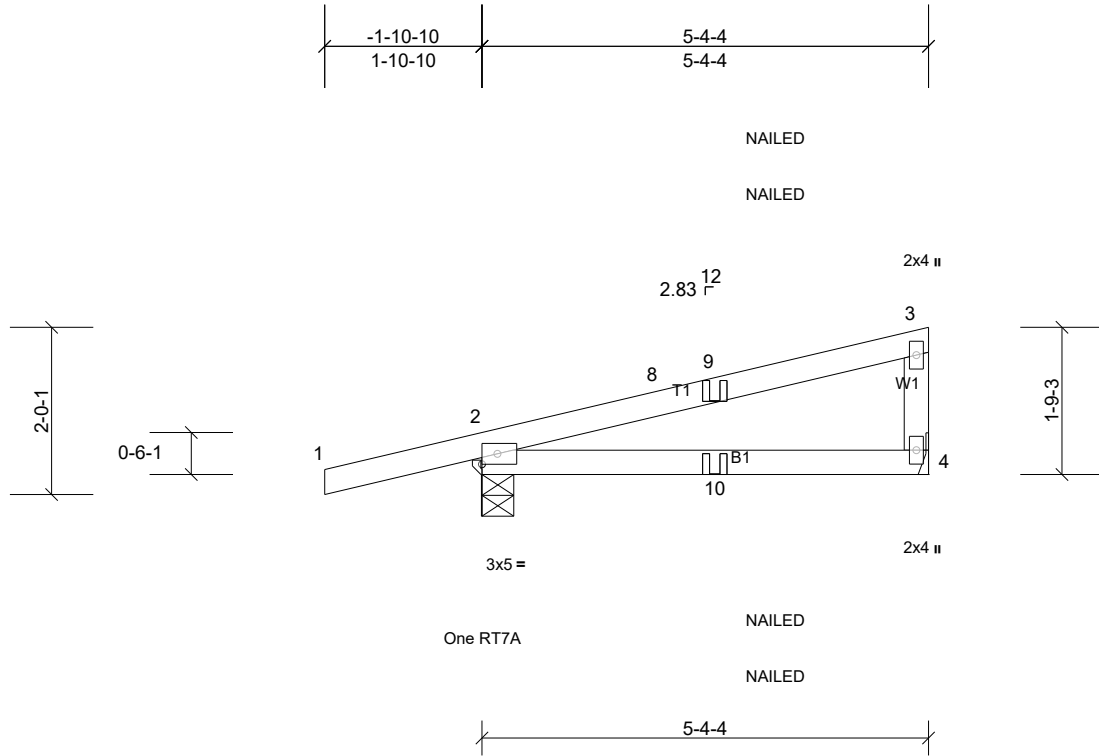
Job 21040035-A	Truss HJ01	Truss Type Diagonal Hip Girder	Qty 2	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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Scale = 1:27.7

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	0.47	Vert(LL)	-0.03	4-7	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.30	Vert(CT)	-0.07	4-7	>919	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.01	2	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP								
BCDL	10.0											
											Weight: 21 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 5-4-4 oc purlins, except end verticals.
 Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=341/0-4-9, (min. 0-1-8), 4=187/ Mechanical, (min. 0-1-8)

Max Horiz 2=64 (LC 11)
 Max Uplift 2=-123 (LC 8), 4=-35 (LC 12)
 Max Grav 2=350 (LC 19), 4=208 (LC 19)

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

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) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); PF=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 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.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 35 lb uplift at jt(s) 4.
- 9) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. 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.
- 11) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidelines.

LOAD CASE(S) Standard

- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (lb/ft)
 Vert: 1-3=-60, 4-5=-20
 Concentrated Loads (lb)
 Vert: 10=1

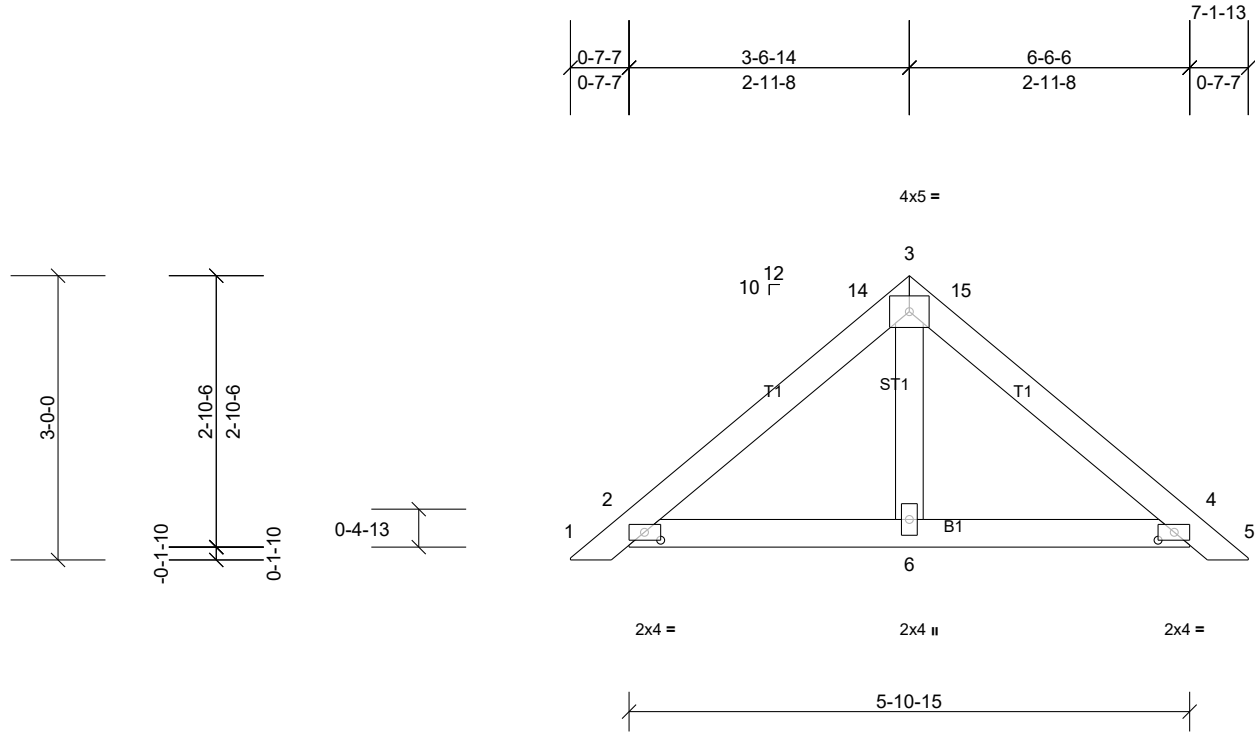
Job 21040035-A	Truss PB02	Truss Type Piggyback	Qty 8	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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Carter Components, Sanford, NC, user

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Scale = 1:24.4

Plate Offsets (X, Y): [2:0-2-1,0-1-0], [4:0-2-1,0-1-0]

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	0.11	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 26 lb	FT = 20%

LUMBER

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

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.

REACTIONS All bearings 5-10-15.

(lb) - Max Horiz 2=-69 (LC 12), 7=-69 (LC 12)
 Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4, 7, 11
 Max Grav All reactions 250 (lb) or less at joint(s) 2, 4, 6, 7, 11

FORCES

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

NOTES

- Unbalanced roof live loads have been considered for this design.
- 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) 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=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 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.
- One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 4. 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.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

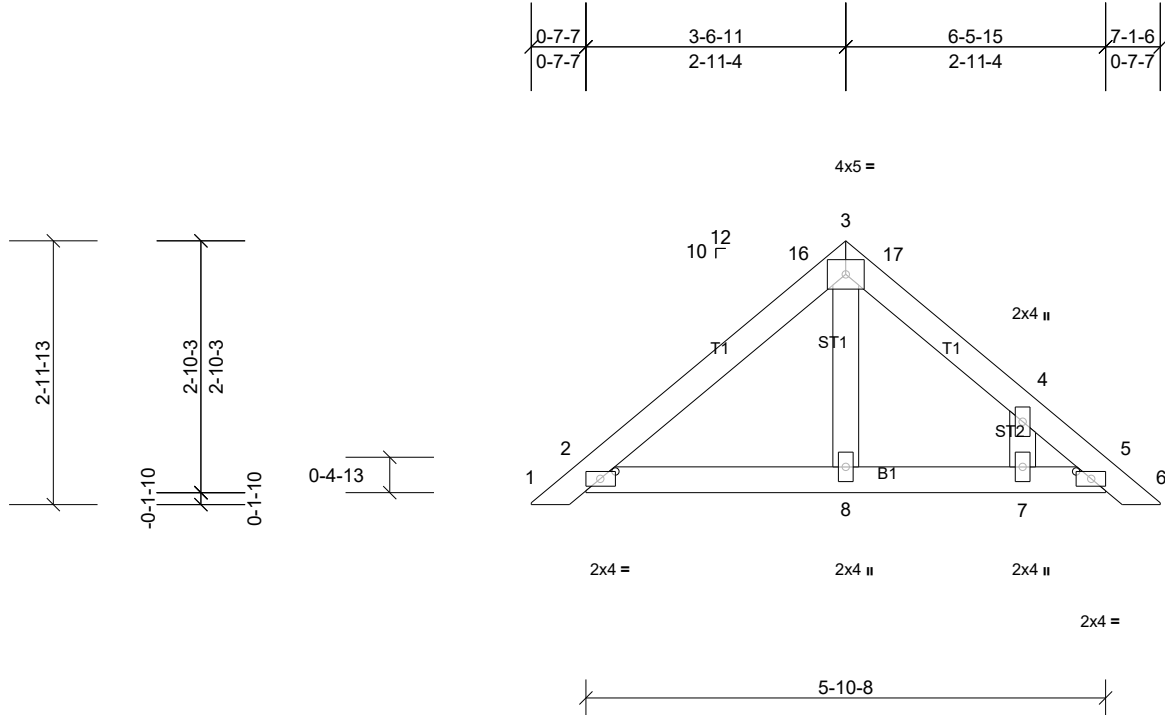
Job 21040035-A	Truss PB03	Truss Type Piggyback	Qty 1	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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Carter Components, Sanford, NC, user

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Scale = 1:26.2

Plate Offsets (X, Y): [2:0-2-1,0-1-0], [5:0-2-1,0-1-0]

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	0.11	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 27 lb	FT = 20%

LUMBER

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

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.

REACTIONS All bearings 5-10-8.

- (lb) - Max Horiz 2=69 (LC 13), 9=69 (LC 13)
- Max Uplift All uplift 100 (lb) or less at joint(s) 2, 5, 7, 9, 12
- Max Grav All reactions 250 (lb) or less at joint(s) 2, 5, 7, 8, 9, 12

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) 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=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- 5) Unbalanced snow loads have been considered for this design.
- 6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 7) Gable requires continuous bottom chord bearing.
- 8) Gable studs spaced at 2-0-0 oc.
- 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 5, and 7. 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.

LOAD CASE(S) Standard

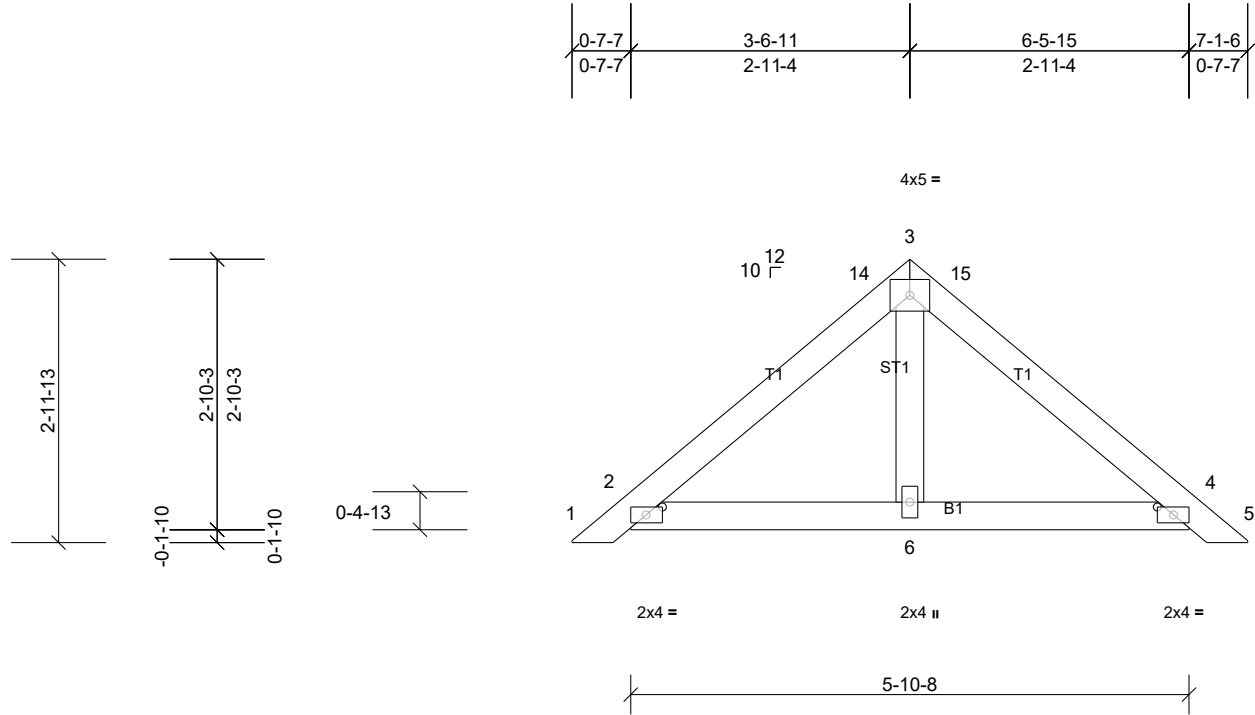
Job 21040035-A	Truss PB04	Truss Type Piggyback	Qty 15	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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Carter Components, Sanford, NC, user

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Scale = 1:24.4

Plate Offsets (X, Y): [2:0-2-1,0-1-0], [4:0-2-1,0-1-0]

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	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 26 lb	FT = 20%

LUMBER

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

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.

REACTIONS

All bearings 5-10-8.
(lb) - Max Horiz 2=69 (LC 13), 7=69 (LC 13)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4, 7, 11
Max Grav All reactions 250 (lb) or less at joint(s) 2, 4, 6, 7, 11

FORCES

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

NOTES

- Unbalanced roof live loads have been considered for this design.
- 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) 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=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 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.
- One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 4. 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.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

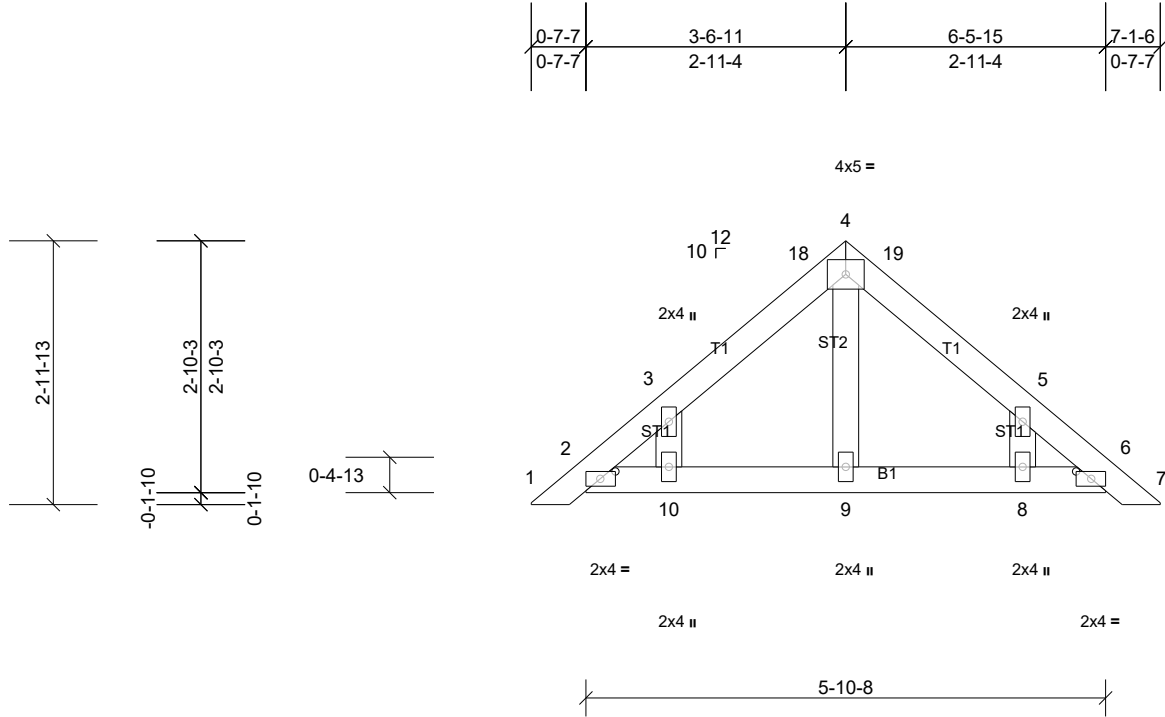
Job 21040035-A	Truss PB05	Truss Type Piggyback	Qty 1	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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Scale = 1:26.2

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

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	0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	n/a	-	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 28 lb	FT = 20%

LUMBER

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

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.

REACTIONS All bearings 5-10-8.

- (lb) - Max Horiz 2=69 (LC 13), 11=69 (LC 13)
- Max Uplift All uplift 100 (lb) or less at joint(s) 2, 6, 8, 10, 11, 14
- Max Grav All reactions 250 (lb) or less at joint(s) 2, 6, 8, 9, 10, 11, 14

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) 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=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- 5) Unbalanced snow loads have been considered for this design.
- 6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 7) Gable requires continuous bottom chord bearing.
- 8) Gable studs spaced at 2-0-0 oc.
- 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 6, 10, and 8. 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.

LOAD CASE(S) Standard

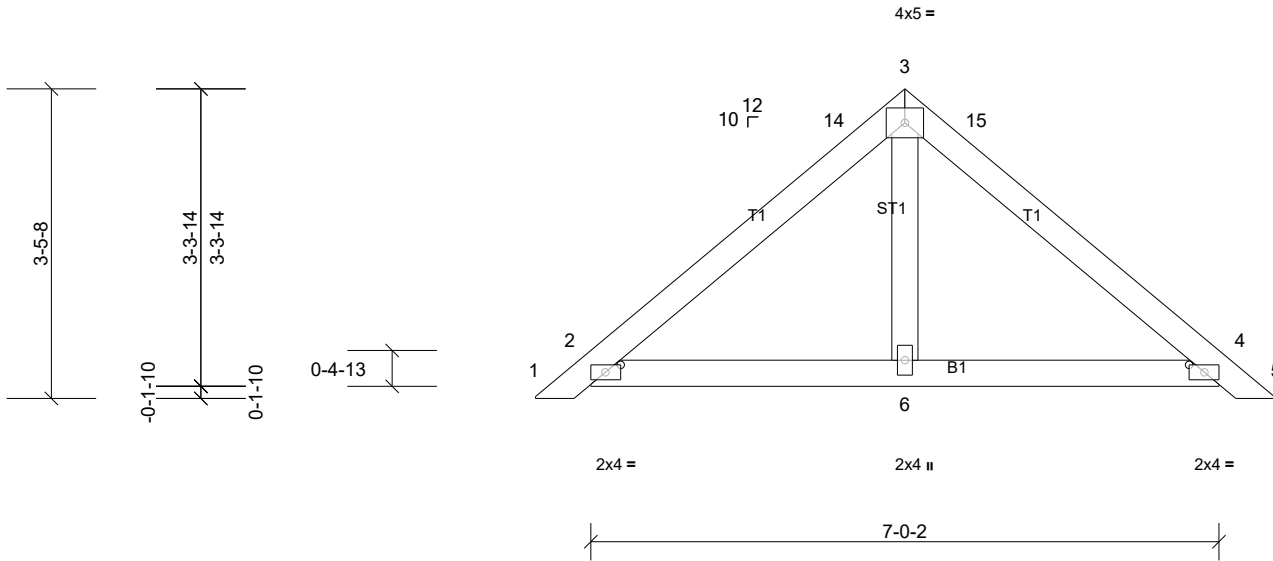
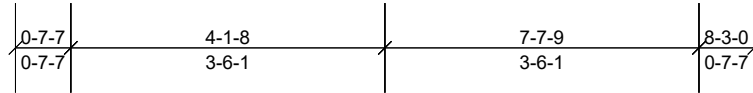
Job 21040035-A	Truss PB06	Truss Type Piggyback	Qty 3	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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Scale = 1:25.8

Plate Offsets (X, Y): [2:0-2-1,0-1-0], [4:0-2-1,0-1-0]

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	0.16	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP								
BCDL	10.0											
											Weight: 30 lb	FT = 20%

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

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.

REACTIONS All bearings 7-0-2.
 (lb) - Max Horiz 2=81 (LC 13), 7=81 (LC 13)
 Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4, 7, 11
 Max Grav All reactions 250 (lb) or less at joint(s) 2, 4, 6, 7, 11

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

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - 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) 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=1.60
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 4-0-0 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.
 - One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 4. 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.
 - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job 21040035-A	Truss PB07	Truss Type Piggyback	Qty 1	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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Carter Components, Sanford, NC, user

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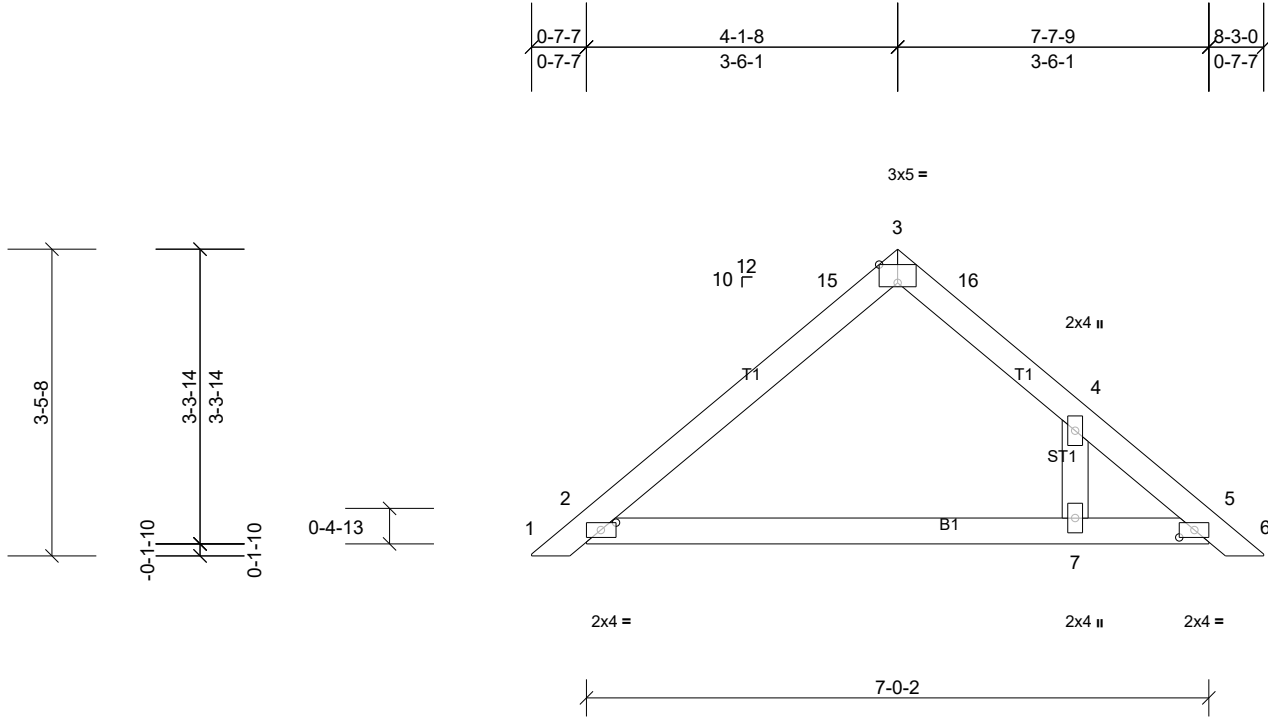


Plate Offsets (X, Y): [2:0-2-1,0-1-0], [3:0-2-8,Edge], [5:0-2-1,0-1-0]

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	0.20	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.22	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 28 lb	FT = 20%

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

BRACING
 TOP CHORD
 BOT CHORD

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

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

REACTIONS All bearings 7'-0"-2.
 (lb) - Max Horiz 2=-81 (LC 12), 8=-81 (LC 12)
 Max Uplift All uplift 100 (lb) or less at joint(s) 2, 5, 7, 8, 11
 Max Grav All reactions 250 (lb) or less at joint(s) 5, 11 except 2=251 (LC 1), 7=261 (LC 25), 8=251 (LC 1)

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

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - 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) 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=1.60
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2'-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'-0"-0" tall by 2'-0"-0" wide will fit between the bottom chord and any other members.
 - One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 5, and 7. 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.
 - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

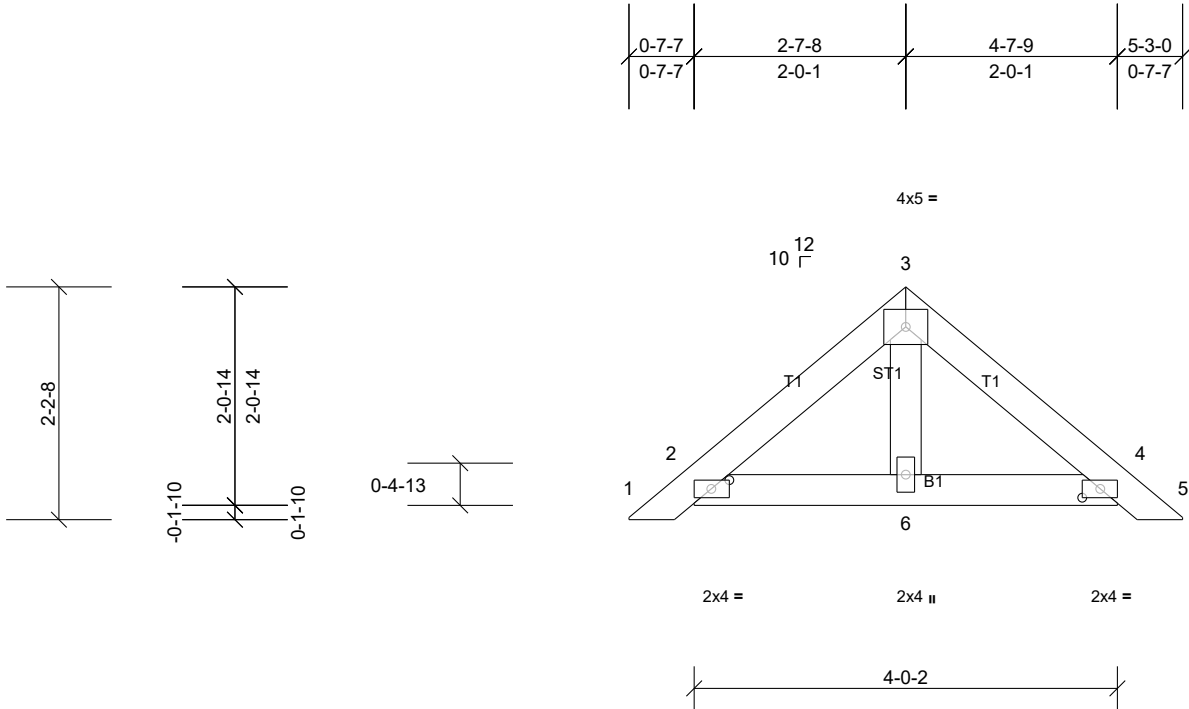
Job 21040035-A	Truss PB08	Truss Type Piggyback	Qty 3	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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Carter Components, Sanford, NC, user

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Scale = 1:21.9

Plate Offsets (X, Y): [2:0-2-1,0-1-0], [4:0-2-1,0-1-0]

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	0.04	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.01	Horz(CT)	n/a	-	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 18 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 5-3-9 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.

REACTIONS

All bearings 4-0-2.
(lb) - Max Horiz 2=-50 (LC 12), 7=-50 (LC 12)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4, 6, 7, 10
Max Grav All reactions 250 (lb) or less at joint(s) 2, 4, 6, 7, 10

FORCES

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

NOTES

- Unbalanced roof live loads have been considered for this design.
- 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) 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=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 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.
- One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 4, and 6. 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.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

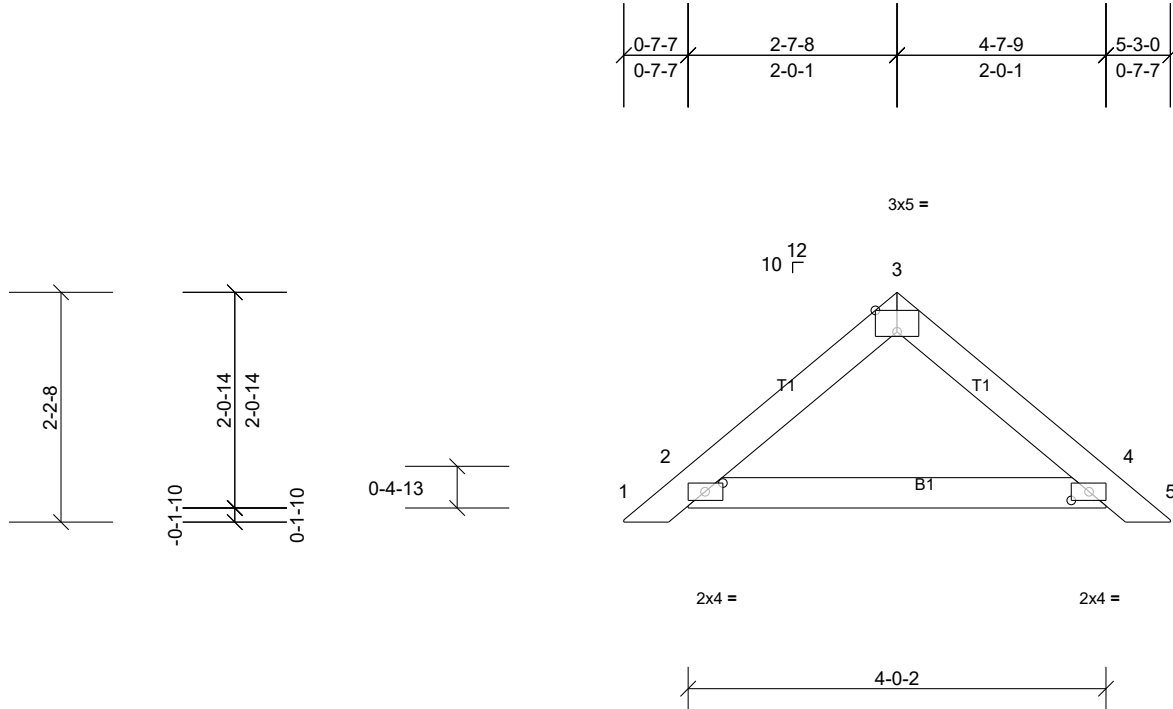
Job 21040035-A	Truss PB09	Truss Type Piggyback	Qty 1	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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Scale = 1:22.2

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

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	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	9	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP								
BCDL	10.0											
											Weight: 16 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 5-3-9 oc purlins.
Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS All bearings 4-0-2.

(lb) - Max Horiz 2=50 (LC 13), 6=50 (LC 13)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4, 6, 9
Max Grav All reactions 250 (lb) or less at joint(s) 2, 4, 6, 9

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

FORCES

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

NOTES

- Unbalanced roof live loads have been considered for this design.
- 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) 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=1.60
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 4. 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.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

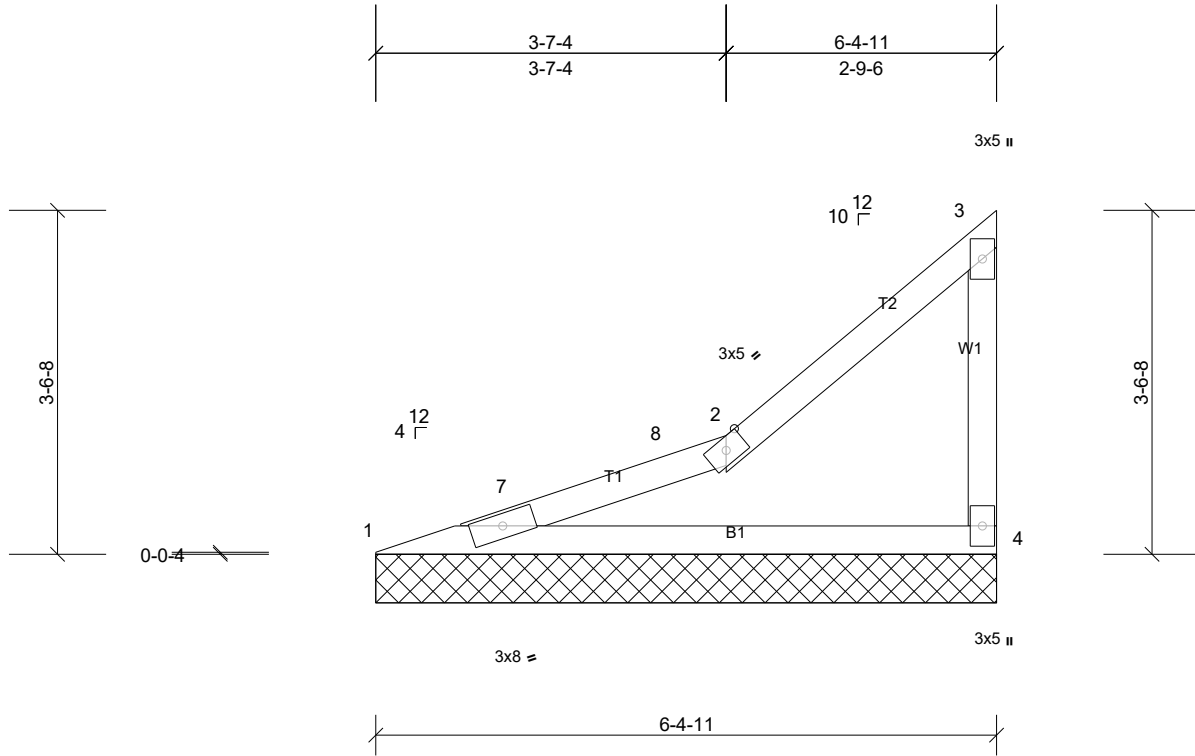
Job 21040035-A	Truss VL01	Truss Type Valley	Qty 1	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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Scale = 1:23.8

Loading	(psf)	Spacing	2-0-0	CSI	0.73	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.73	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.62	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.01	4	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MR								
BCDL	10.0										Weight: 24 lb	FT = 20%

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

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

REACTIONS (lb/size) 1=250/6-4-11, (min. 0-1-8), 4=250/6-4-11, (min. 0-1-8)
 Max Horiz 1=124 (LC 11)
 Max Uplift 1=-38 (LC 10), 4=-62 (LC 14)
 Max Grav 1=263 (LC 20), 4=258 (LC 20)

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

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-7=-631/180, 1-7=-612/182
 BOT CHORD 1-4=-187/592

- 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) exterior zone and C-C Exterior (2) 0-0-12 to 3-0-12, Interior (1) 3-0-12 to 3-8-0, Exterior (2) 3-8-0 to 6-3-11 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) Gable requires continuous bottom chord bearing.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 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.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 62 lb uplift at joint 4 and 38 lb uplift at joint 1.
 - 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.

LOAD CASE(S) Standard

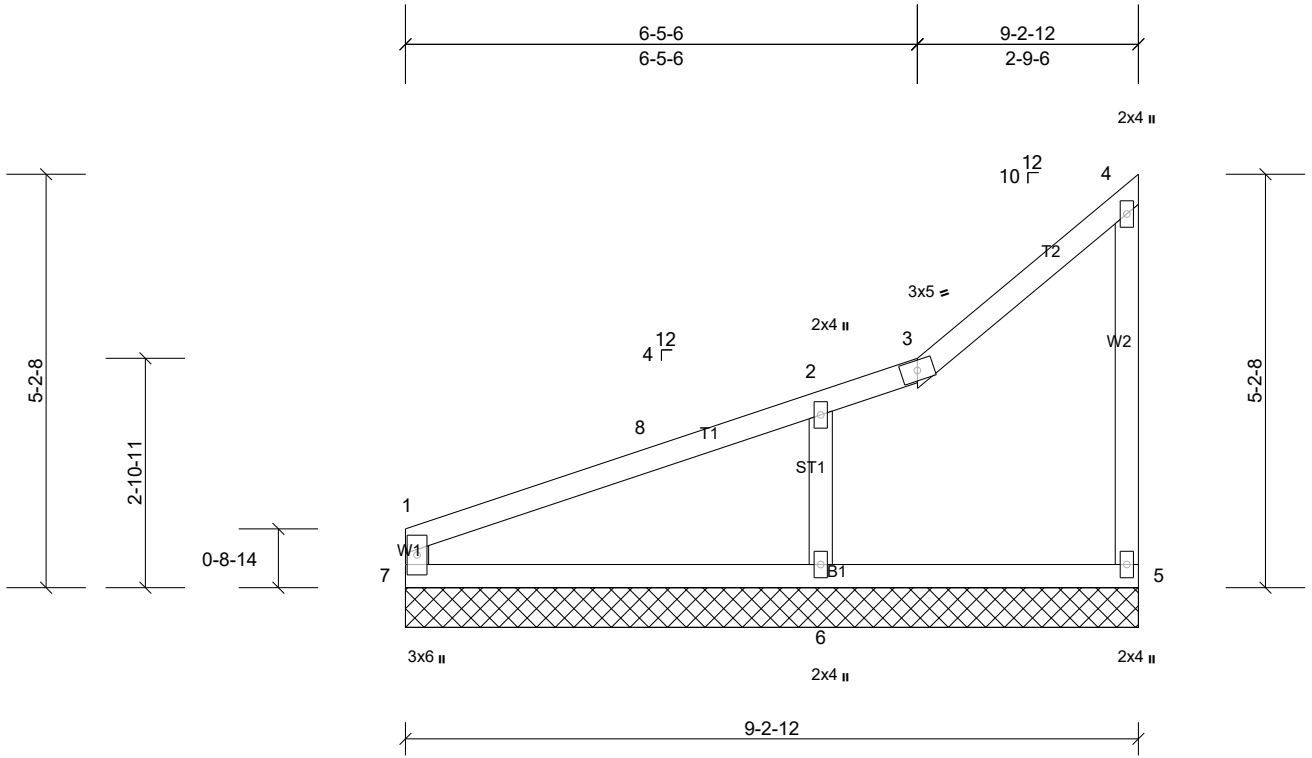
Job 21040035-A	Truss VL02	Truss Type Valley	Qty 1	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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Scale = 1:29.1

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	TC	0.36	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.21	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horiz(TL)	0.00	5	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MR								
BCDL	10.0										Weight: 40 lb	FT = 20%

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

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

REACTIONS (lb/size) 5=104/9-2-12, (min. 0-1-8), 6=447/9-2-12, (min. 0-1-8), 7=165/9-2-12, (min. 0-1-8)
 Max Horiz 7=188 (LC 11)
 Max Uplift 5=-36 (LC 11), 6=-131 (LC 14), 7=-31 (LC 10)
 Max Grav 5=135 (LC 23), 6=494 (LC 20), 7=169 (LC 20)

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

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS 2-6=-375/182

- NOTES**
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 6-5-6, Exterior (2) 6-5-6 to 9-1-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) Gable requires continuous bottom chord bearing.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 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.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 31 lb uplift at joint 7, 36 lb uplift at joint 5 and 131 lb uplift at joint 6.
 - 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.

LOAD CASE(S) Standard

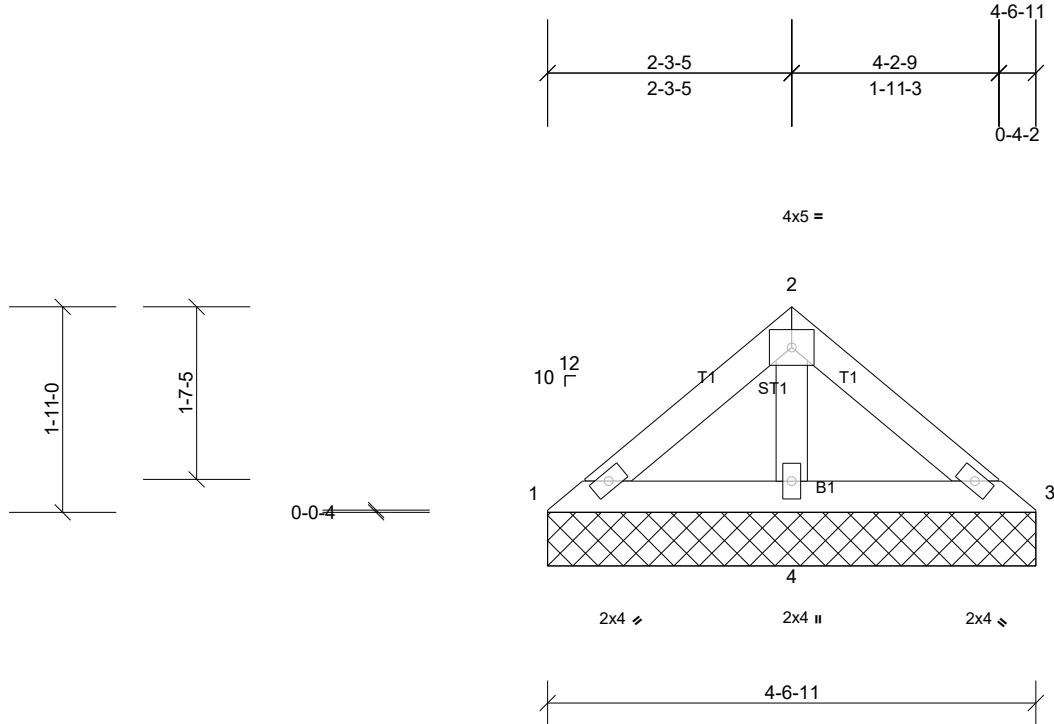
Job 21040035-A	Truss VL03	Truss Type Valley	Qty 1	Ply 1	1100 Carolina Way-Roof-BB-2250 Job Reference (optional)
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Scale = 1:21.6

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	0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.07	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP								
BCDL	10.0											
											Weight: 16 lb	FT = 20%

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

BRACING
 TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 4-6-11 oc purlins.
 Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS (lb/size) 1=50/4-6-11, (min. 0-1-8), 3=50/4-6-11, (min. 0-1-8),
 4=265/4-6-11, (min. 0-1-8)
 Max Horiz 1=43 (LC 10)
 Max Uplift 1=-1 (LC 14), 3=-8 (LC 15), 4=-35 (LC 14)
 Max Grav 1=60 (LC 31), 3=60 (LC 32), 4=265 (LC 1)

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

NOTES

- Unbalanced roof live loads have been considered for this design.
- 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) 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=1.60
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1 lb uplift at joint 1, 8 lb uplift at joint 3 and 35 lb uplift at joint 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.

LOAD CASE(S) Standard

