

Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR B ROOF
72513829	A1	Truss	5	1	Job Reference (optional) 67 LLP

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Wed May 14 09:46:0

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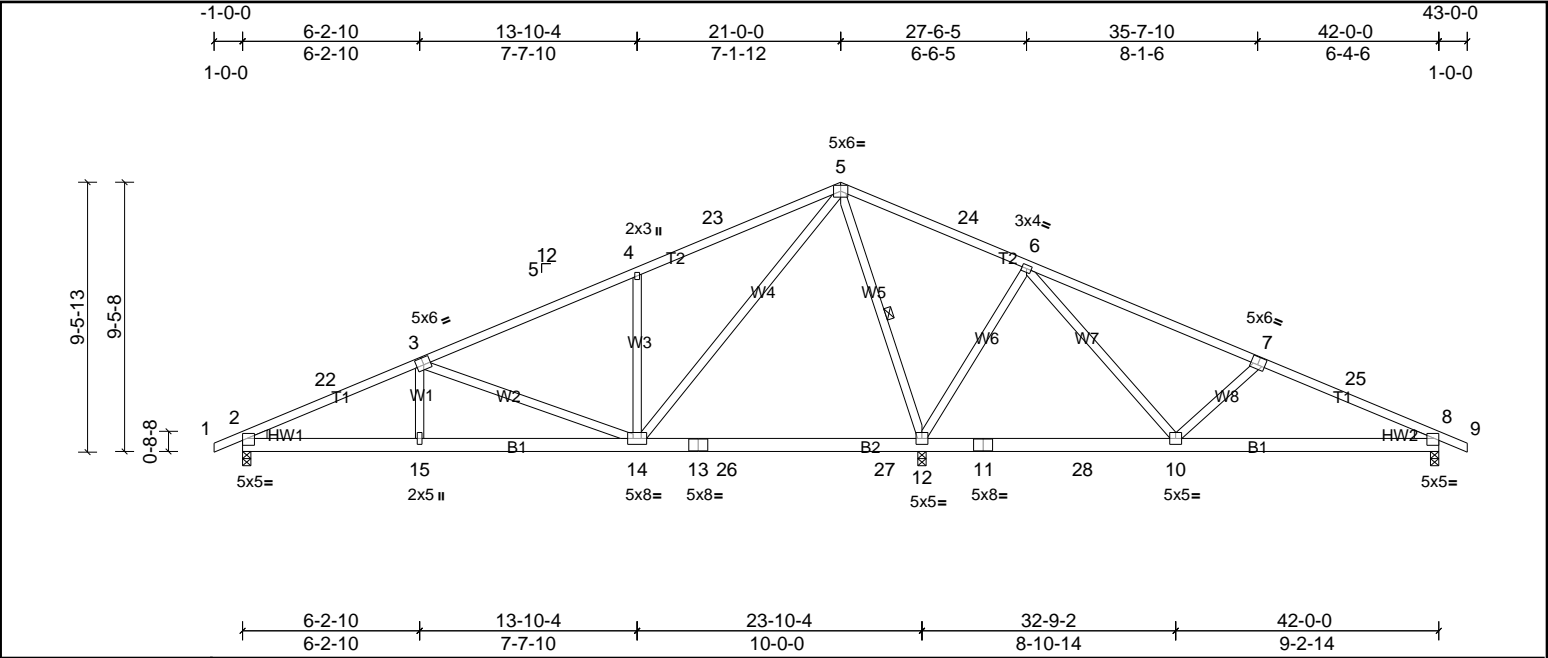


Plate Offsets (X, Y): [3:0-3-0,0-3-0], [7:0-3-0,0-3-4]												
<b>Loading</b>	(psf)	<b>Spacing</b>	2-0-0	<b>CSI</b>		<b>DEFL</b>	in	(loc)	I/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.81	Vert(LL)	-0.09	12-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.39	Vert(CT)	-0.15	12-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.85	Horz(CT)	0.01	12	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 254 lb	FT = 20%

<b>LUMBER</b>		<b>BRACING</b>	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 4-9-10 oc purlins.
BOT CHORD	2x6 SP No.2	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	2x4 SP No.3	WEBS	1 Row at midpt
WEDGE	Left: 2x4 SP No.2 Right: 2x4 SP No.2		5-12
<b>REACTIONS</b>			
(lb/size)	2=774/0-3-8, (min. 0-1-8), 8=471/0-3-8, (min. 0-1-8), 12=2235/0-3-8, (min. 0-3-8)		
Max Horiz	2=-160 (LC 11)		
Max Uplift	2=-155 (LC 10), 8=-123 (LC 11), 12=-238 (LC 10)		
Max Grav	2=827 (LC 21), 8=556 (LC 22), 12=2235 (LC 1)		
<b>FORCES</b>			
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.			
TOP CHORD	2-22=-1329/220, 3-22=-1201/235, 3-4=-682/142, 4-23=-696/255, 5-23=-601/285, 5-24=-6/843, 6-24=-33/708, 6-7=-377/147, 7-25=-562/198, 8-25=-689/182		
BOT CHORD	2-15=-298/1163, 14-15=-300/1160, 13-14=-285/268, 13-26=-285/268, 26-27=-285/268, 12-27=-285/268, 11-12=-365/164, 11-28=-365/164, 10-28=-365/164, 8-10=-105/580		
WEBS	4-14=-488/286, 5-14=-324/1165, 5-12=-1448/289, 6-12=-758/310, 6-10=-93/662, 7-10=-457/261, 3-14=-667/223		

- 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=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 1-0-0 to 3-2-6, Interior (1) 3-2-6 to 16-9-10, Exterior (2) 16-9-10 to 25-2-6, Interior (1) 25-2-6 to 38-9-10, Exterior (2) 38-9-10 to 43-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* 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.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 155 lb uplift at joint 2, 238 lb uplift at joint 12 and 123 lb uplift at joint 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.



Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR B ROOF
72513829	A1G	Truss	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry

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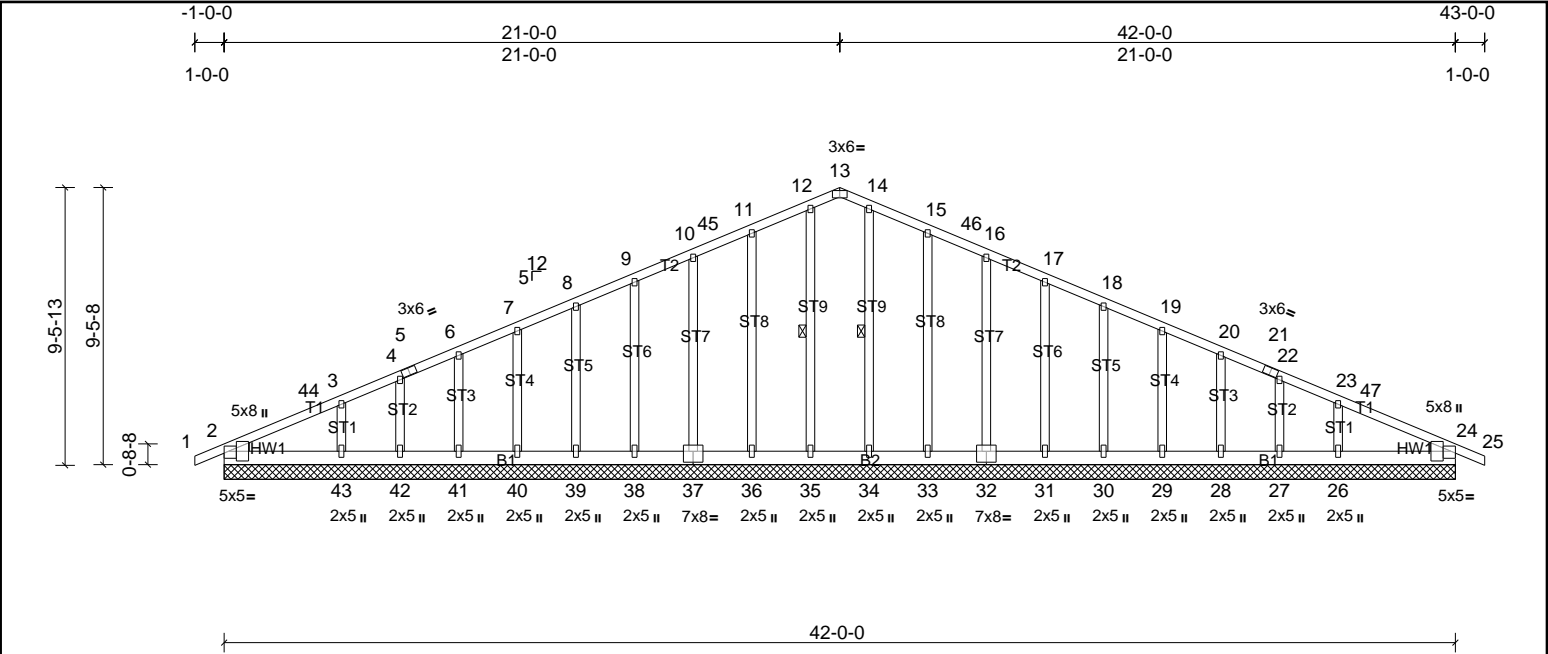


Plate Offsets (X, Y): [2:Edge,0-2-2], [13:0-3-0,Edge], [24:Edge,0-2-2], [32:0-4-0,0-4-8], [37:0-4-0,0-4-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/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
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	n/a	-	n/a	999	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	24	n/a	n/a	
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 305 lb
											FT = 20%

<b>LUMBER</b>		<b>BRACING</b>	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2x6 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS	2x4 SP No.3	WEBS	1 Row at midpt
WEDGE	Left: 2x4 SP No.2 Right: 2x4 SP No.2		12-35, 14-34
<b>REACTIONS</b>	All bearings 42-0-0. (lb) - Max Horiz 2=160 (LC 15) Max Uplift All uplift 100 (lb) or less at joint(s) 27, 28, 29, 30, 31, 32, 33, 36, 37, 38, 39, 40, 41, 42 except 26=108 (LC 11), 43=111 (LC 10) Max Grav All reactions 250 (lb) or less at joint(s) 2, 24, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42 except 26=311 (LC 22), 43=311 (LC 21)		
<b>FORCES</b>	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	11-12=87/254, 12-13=85/259, 13-14=85/259, 14-15=87/254		

- 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=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3) 1-0-0 to 3-2-6, Exterior (2) 3-2-6 to 16-9-10, Corner (3) 16-9-10 to 25-2-6, Exterior (2) 25-2-6 to 38-9-10, Corner (3) 38-9-10 to 43-0-0 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.
  - All plates are 2x3 (||) 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.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 36, 37, 38, 39, 40, 41, 42, 33, 32, 31, 30, 29, 28, 27 except (jt=lb) 43=110, 26=107.
  - Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 24.
  - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR B ROOF
72513829	A1S	Truss	3	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry

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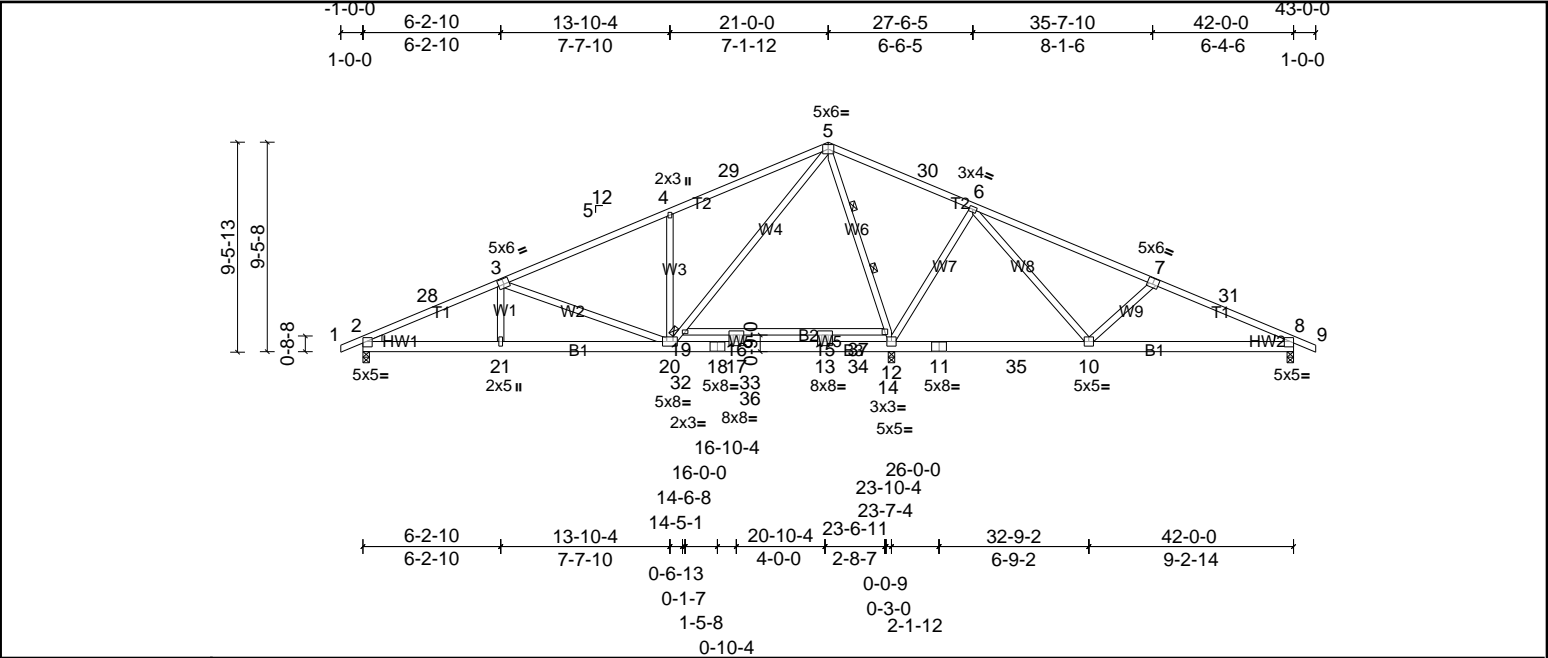


Plate Offsets (X, Y): [3:0-3-0,0-3-0], [7:0-3-0,0-3-4]

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	0.81	Vert(LL)	-0.16	15-16	>999	240	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.56	Vert(CT)	-0.28	15-16	>999	180	
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.90	Horz(CT)	0.02	12	n/a	n/a	
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							
										Weight: 268 lb	FT = 20%

<b>LUMBER</b>		<b>BRACING</b>	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 4-7-15 oc purlins.
BOT CHORD	2x6 SP No.2 *Except* B2:2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing, Except:
WEBS	2x4 SP No.3		10-0-0 oc bracing: 21-24,20-21,10-27.
WEDGE	Left: 2x4 SP No.2	WEBS	2 Rows at 1/3 pts
	Right: 2x4 SP No.2		5-14
<b>REACTIONS</b>			
	(lb/size)	2=813/0-3-8, (min. 0-1-8), 8=471/0-3-8, (min. 0-1-8), 12=2383/0-3-8, (req. 0-3-14)	
	Max Horiz	2=160 (LC 11)	
	Max Uplift	2=139 (LC 10), 8=130 (LC 11), 12=137 (LC 11)	
	Max Grav	2=865 (LC 21), 8=552 (LC 22), 12=2481 (LC 2)	
<b>FORCES</b>		(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD		2-28=1404/188, 3-28=1276/203, 3-4=790/92, 4-29=803/205, 5-29=710/235, 5-30=0/829, 6-30=20/693, 6-7=364/155, 7-31=549/216, 8-31=677/190	
BOT CHORD		2-21=268/1232, 20-21=270/1230, 20-32=281/281, 18-32=281/281, 17-18=281/281, 17-33=281/281, 13-34=281/281, 12-34=281/281, 11-12=360/150, 11-35=360/150, 10-35=360/150, 8-10=121/569	
WEBS		4-20=487/286, 19-20=276/1271, 5-19=251/1284, 5-14=1498/244, 12-14=1519/220, 6-12=749/315, 6-10=102/643, 7-10=458/260, 3-20=634/240	

- 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=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) -1-0-0 to 3-2-6, Interior (1) 3-2-6 to 16-9-10, Exterior (2) 16-9-10 to 25-2-6, Interior (1) 25-2-6 to 38-9-10, Exterior (2) 38-9-10 to 43-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* 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.
  - WARNING: Required bearing size at joint(s) 12 greater than input bearing size.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 139 lb uplift at joint 2, 137 lb uplift at joint 12 and 130 lb uplift at joint 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.



Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR B ROOF
72513829	A2	Truss	10	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry

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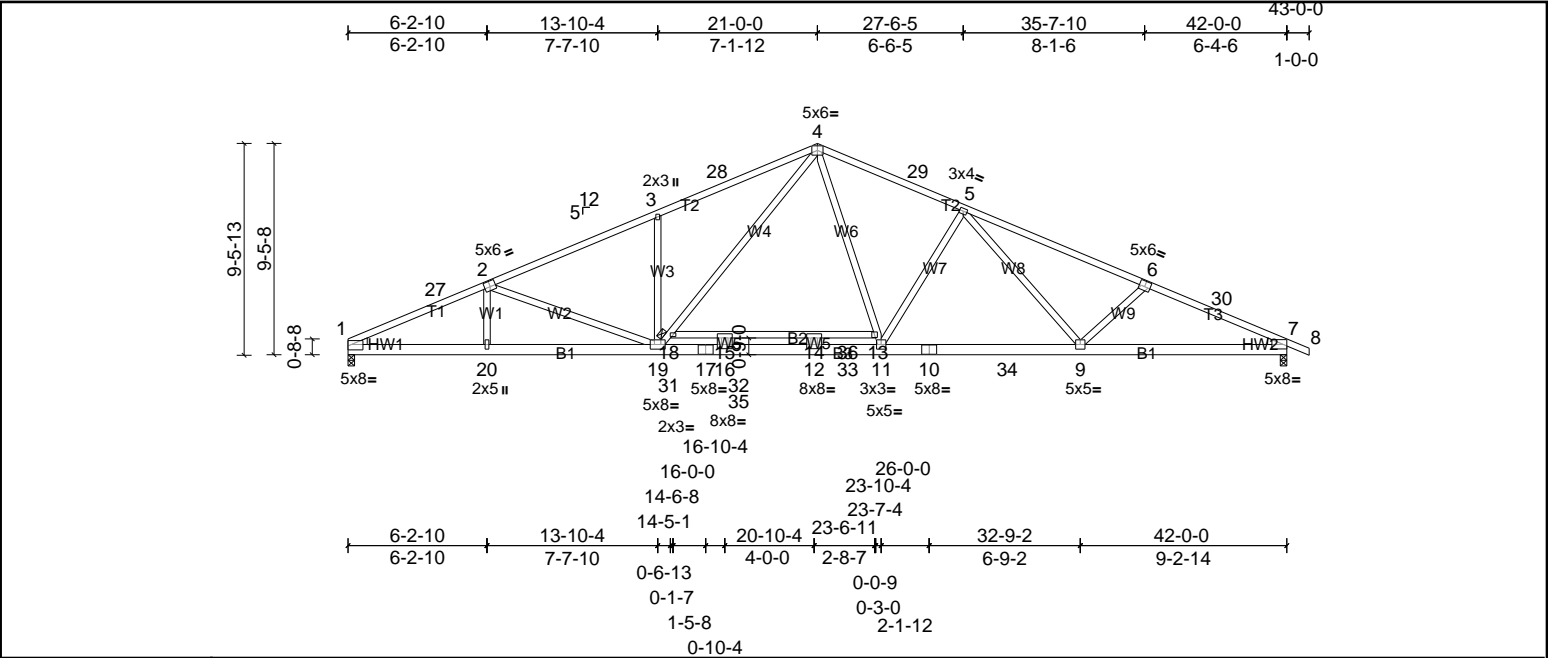


Plate Offsets (X, Y): [2:0-3-0,0-3-0], [6:0-3-0,0-3-0], [7:Edge,0-1-10]

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)	-0.32	14-15	>999	240	
TCDL	10.0	Lumber DOL	1.15	BC	0.99	Vert(CT)	-0.63	14-15	>794	180	
BCLL	0.0*	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.11	7	n/a	n/a	
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							
										Weight: 267 lb	FT = 20%

<b>LUMBER</b>		<b>BRACING</b>	
TOP CHORD	2x4 SP No.1 *Except* T1,T3:2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	2x6 SP SS *Except* B3:2x6 SP No.2, B2:2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS	2x4 SP No.3		
WEDGE	Left: 2x4 SP No.2 Right: 2x4 SP No.2		
<b>REACTIONS</b>			
	(lb/size) 1=1782/0-3-8, (min. 0-2-13), 7=1826/0-3-8, (min. 0-2-14)		
	Max Horiz 1=167 (LC 11)		
	Max Uplift 1=174 (LC 10), 7=207 (LC 11)		
<b>FORCES</b>			
	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	1-27=-3585/371, 2-27=-3459/385, 2-3=-3334/331, 3-28=-3345/429, 4-28=-3268/449, 4-29=-2818/374, 5-29=-2892/347, 5-6=-3428/389, 6-30=-3559/421, 7-30=-3666/395		
BOT CHORD	1-20=-391/3237, 19-20=-393/3240, 19-31=-28/2318, 17-31=-28/2318, 16-17=-28/2318, 16-32=-28/2318, 12-32=-28/2318, 11-33=-28/2318, 10-11=-147/2875, 10-34=-147/2875, 9-34=-147/2875, 7-9=-289/3320		
WEBS	3-19=-492/287, 18-19=-266/1195, 4-18=-244/1244, 4-13=-100/1151, 11-13=-120/1088, 5-11=-671/309, 5-9=-87/441, 6-9=-401/256, 2-19=-431/231		

- 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=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 0-0-0 to 4-2-6, Interior (1) 4-2-6 to 16-9-10, Exterior (2) 16-9-10 to 25-2-6, Interior (1) 25-2-6 to 38-9-10, Exterior (2) 38-9-10 to 43-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* 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.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 174 lb uplift at joint 1 and 207 lb uplift at joint 7.
  - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR B ROOF
72513829	A2G	Truss	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry

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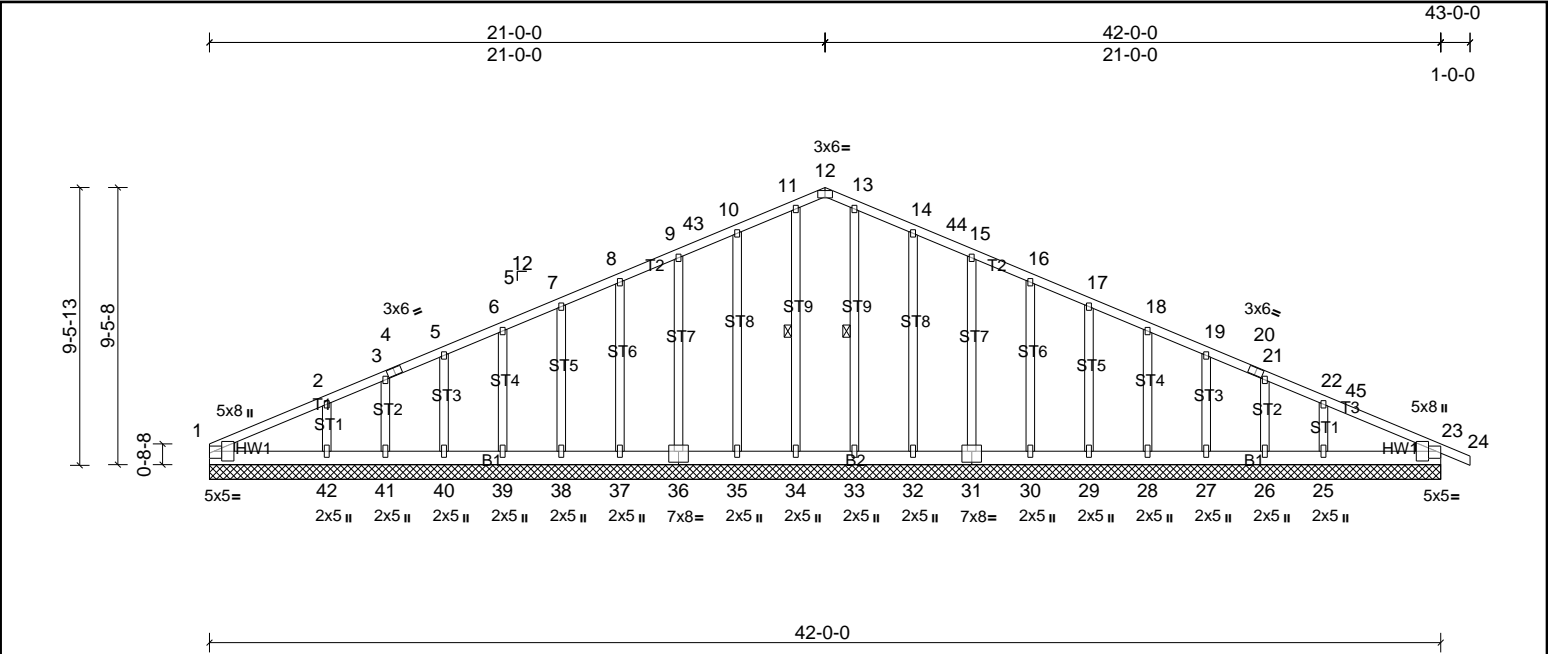


Plate Offsets (X, Y): [1:Edge,0-2-2], [12:0-3-0,Edge], [23:Edge,0-2-2], [31:0-4-0,0-4-8], [36:0-4-0,0-4-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/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
TCDL	10.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	23	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 304 lb	FT = 20%

<b>LUMBER</b>		<b>BRACING</b>	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2x6 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS	2x4 SP No.3	WEBS	1 Row at midpt
WEDGE	Left: 2x4 SP No.2 Right: 2x4 SP No.2		11-32, 13-33
<b>REACTIONS</b>	All bearings 42-0-0. (lb) - Max Horiz 1=162 (LC 11) Max Uplift All uplift 100 (lb) or less at joint(s) 26, 27, 28, 29, 30, 31, 32, 35, 36, 37, 38, 39, 40, 41 except 25=108 (LC 11), 42=117 (LC 10) Max Grav All reactions 250 (lb) or less at joint(s) 1, 23, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41 except 25=311 (LC 22), 42=328 (LC 21)		
<b>FORCES</b>	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	10-11=87/254, 11-12=85/260, 12-13=85/260, 13-14=87/254		

- 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=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3) 0-0-0 to 4-0-0, Exterior (2) 4-0-0 to 16-9-10, Corner (3) 16-9-10 to 25-2-6, Exterior (2) 25-2-6 to 38-9-10, Corner (3) 38-9-10 to 43-0-0 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.
  - All plates are 2x3 (||) 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.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 35, 36, 37, 38, 39, 40, 41, 32, 31, 30, 29, 28, 27, 26 except (jt=lb) 42=117, 25=107.
  - 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.



This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.





Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR B ROOF
72513829	P1	Truss	11	1	Job Reference (optional)

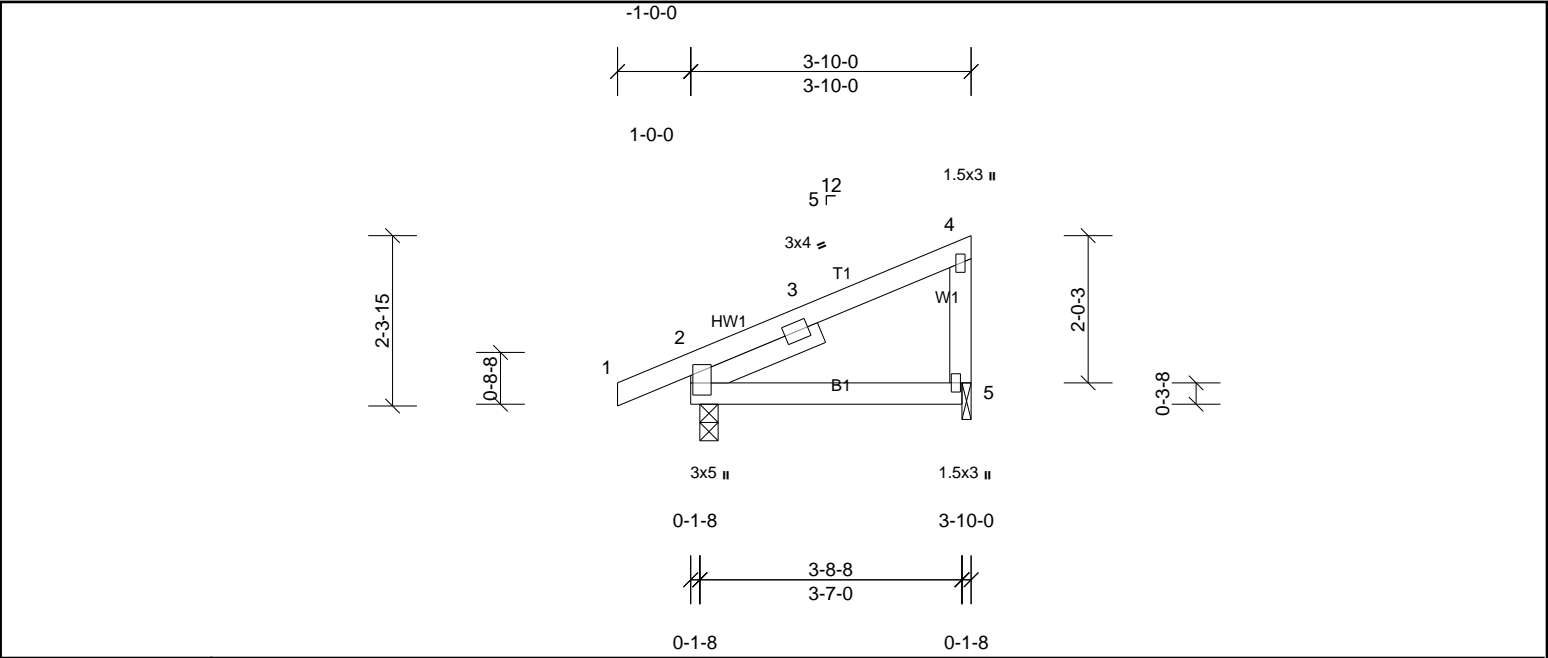


Plate Offsets (X, Y): [2:0-3-3,0-0-6]

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	0.18	Vert(LL)	0.01	5-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(CT)	-0.02	5-8	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MP							Weight: 19 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 3-10-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3		
SLIDER	Left 2x4 SP No.3 -- 1-11-0		

REACTIONS	(lb/size)	2=216/0-3-0, (min. 0-1-8), 5=139/0-1-8, (min. 0-1-8)
	Max Horiz	2=87 (LC 9)
	Max Uplift	2=45 (LC 10), 5=38 (LC 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=35ft; 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
  - 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.
  - Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
  - Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 45 lb uplift at joint 2 and 38 lb uplift at joint 5.
  - 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 72513829	Truss V1	Truss Type Truss	Qty 1	Ply 1	MUNGO HOMES - TELFAIR B ROOF Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry

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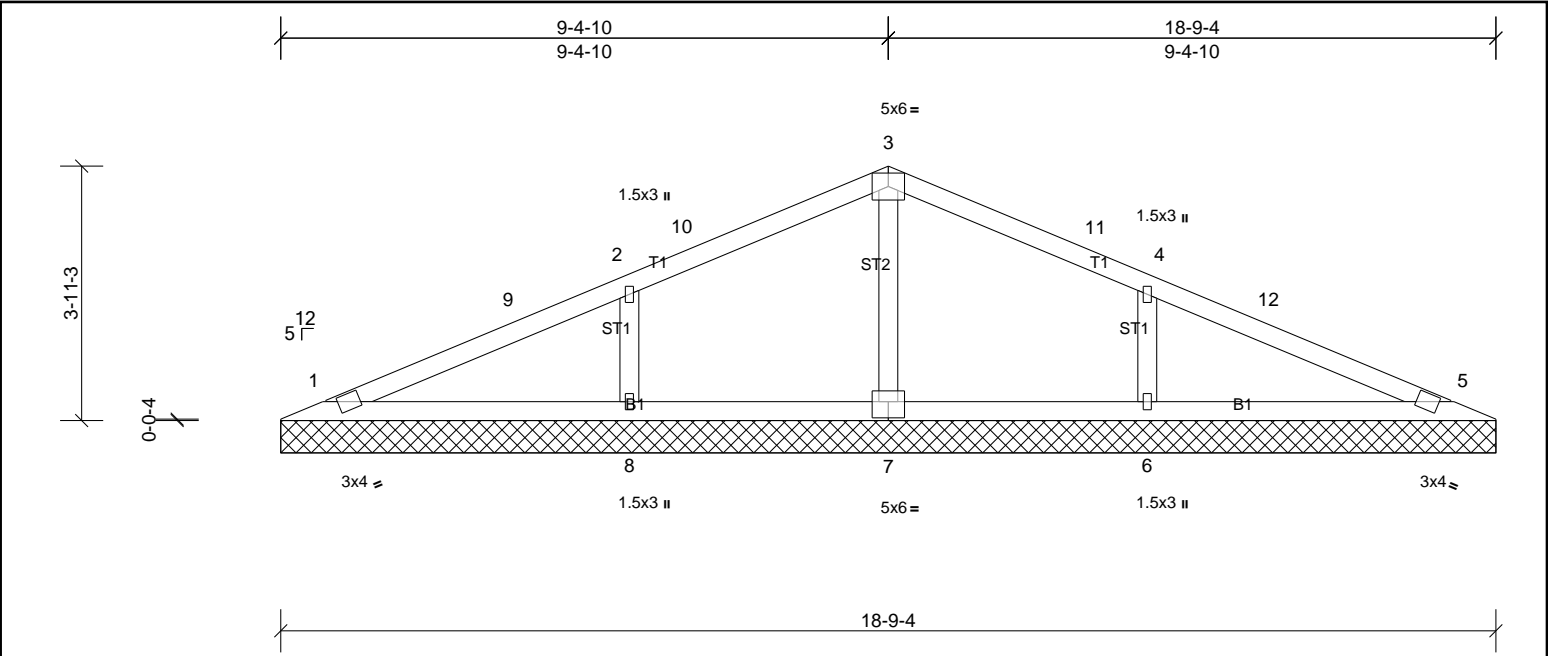


Plate Offsets (X, Y): [7:0-3-0,0-3-0]

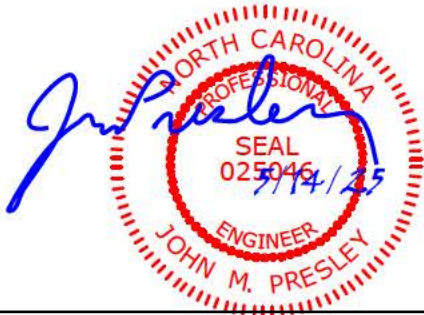
Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	n/a	-	n/a	999	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(TL)	n/a	-	n/a	999	
BCLL	0.0*	Rep Stress Incr	YES	WB	0.06	Horiz(TL)	0.00	5	n/a	n/a	
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-SH							
										Weight: 66 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS	2x4 SP No.3		

REACTIONS	All bearings 18-9-4.
(lb) - Max Horiz	1=63 (LC 10)
Max Uplift	All uplift 100 (lb) or less at joint(s) 1, 5 except 6=128 (LC 11), 8=128 (LC 10)
Max Grav	All reactions 250 (lb) or less at joint(s) 1, 5, 7 except 6=424 (LC 22), 8=424 (LC 21)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS	2-8=-306/172, 4-6=-306/172

- 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=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 0-9-1 to 3-9-1, Interior (1) 3-9-1 to 6-5-4, Exterior (2) 6-5-4 to 12-5-4, Interior (1) 12-5-4 to 15-1-7, Exterior (2) 15-1-7 to 18-1-7 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
  - 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 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=128, 6=128.
  - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ TPI 1.



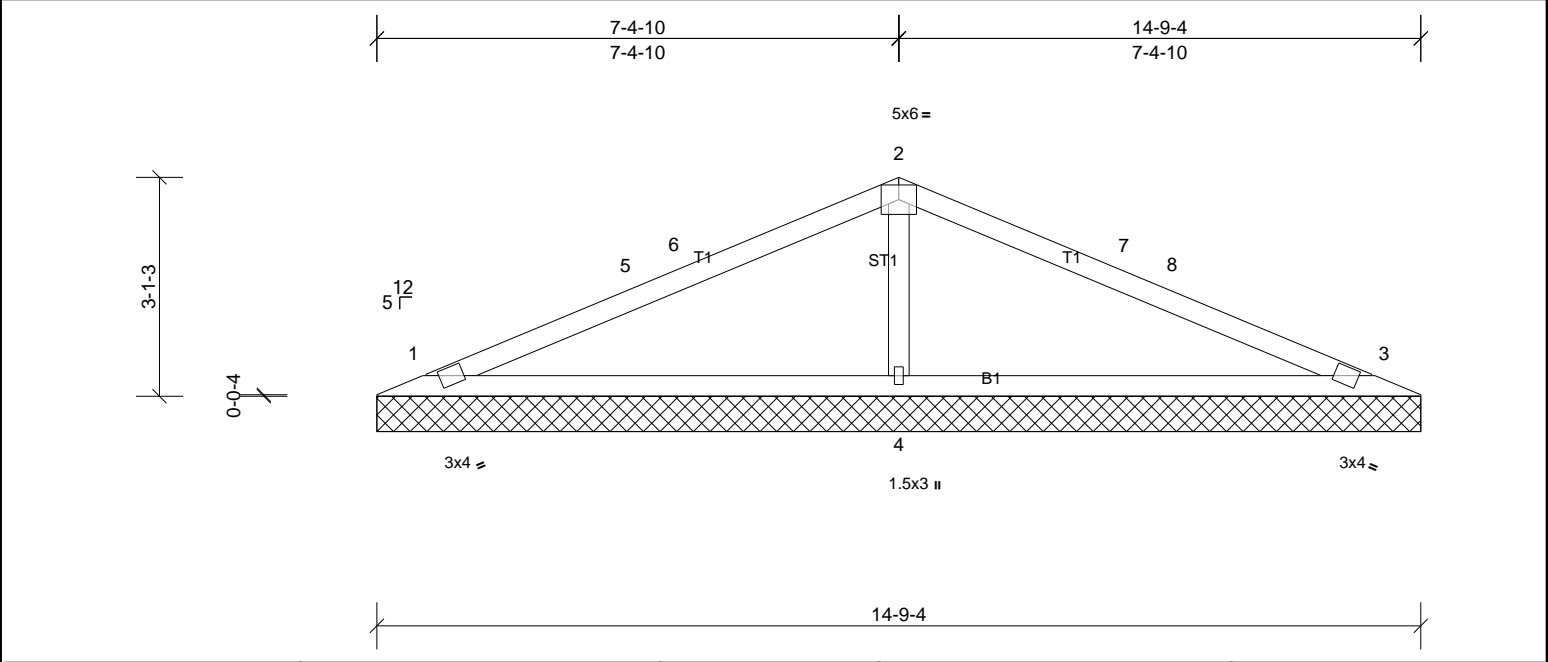
Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR B ROOF
72513829	V2	Truss	1	1	Job Reference (optional)

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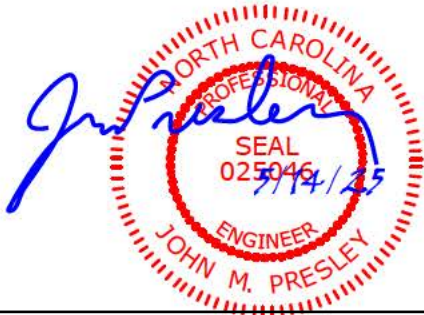
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Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.60	Vert(LL)	n/a	-	n/a	999	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.43	Vert(TL)	n/a	-	n/a	999	
BCLL	0.0*	Rep Stress Incr	YES	WB	0.09	Horiz(TL)	0.00	3	n/a	n/a	
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-SH							
										Weight: 47 lb	FT = 20%

<b>LUMBER</b>			<b>BRACING</b>		
TOP CHORD	2x4 SP No.2		TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.	
BOT CHORD	2x4 SP No.2		BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.	
OTHERS	2x4 SP No.3				
<b>REACTIONS</b>	(lb/size)	1=232/14-9-4, (min. 0-1-11), 3=232/14-9-4, (min. 0-1-11), 4=606/14-9-4, (min. 0-1-11)			
	Max Horiz	1=49 (LC 14)			
	Max Uplift	1=-52 (LC 10), 3=-60 (LC 11), 4=-47 (LC 10)			
	Max Grav	1=239 (LC 21), 3=239 (LC 22), 4=606 (LC 1)			
<b>FORCES</b>	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.				
WEBS	2-4=-384/179				

- 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=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 0-9-1 to 3-9-1, Interior (1) 3-9-1 to 4-5-4, Exterior (2) 4-5-4 to 10-5-4, Interior (1) 10-5-4 to 11-1-7, Exterior (2) 11-1-7 to 14-1-7 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
  - 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 52 lb uplift at joint 1, 60 lb uplift at joint 3 and 47 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.





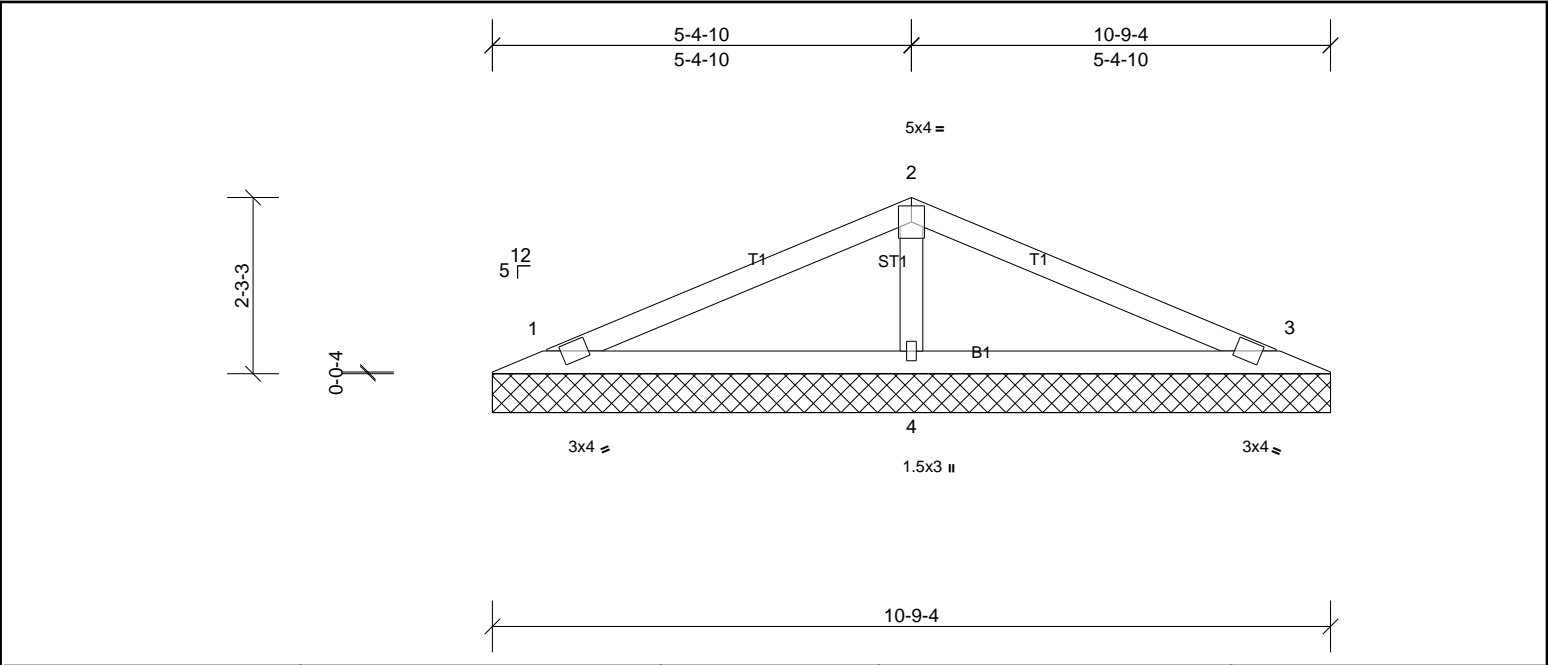
Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR B ROOF
72513829	V3	Truss	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry

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Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	n/a	-	n/a	999	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.21	Vert(TL)	n/a	-	n/a	999	
BCLL	0.0*	Rep Stress Incr	YES	WB	0.06	Horiz(TL)	0.00	3	n/a	n/a	
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-SH							
										Weight: 34 lb	FT = 20%

<b>LUMBER</b>		<b>BRACING</b>	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS	2x4 SP No.3		
<b>REACTIONS</b>	(lb/size)	1=163/10-9-4, (min. 0-1-8), 3=163/10-9-4, (min. 0-1-8), 4=424/10-9-4, (min. 0-1-8)	
	Max Horiz	1=34 (LC 14)	
	Max Uplift	1=-36 (LC 10), 3=-42 (LC 11), 4=-33 (LC 10)	
	Max Grav	1=167 (LC 21), 3=167 (LC 22), 4=424 (LC 1)	
<b>FORCES</b>	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
<b>WEBS</b>	2-4=-269/149		

- 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=35ft; 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
  - 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 36 lb uplift at joint 1, 42 lb uplift at joint 3 and 33 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.



Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR B ROOF
72513829	V4	Truss	1	1	Job Reference (optional)

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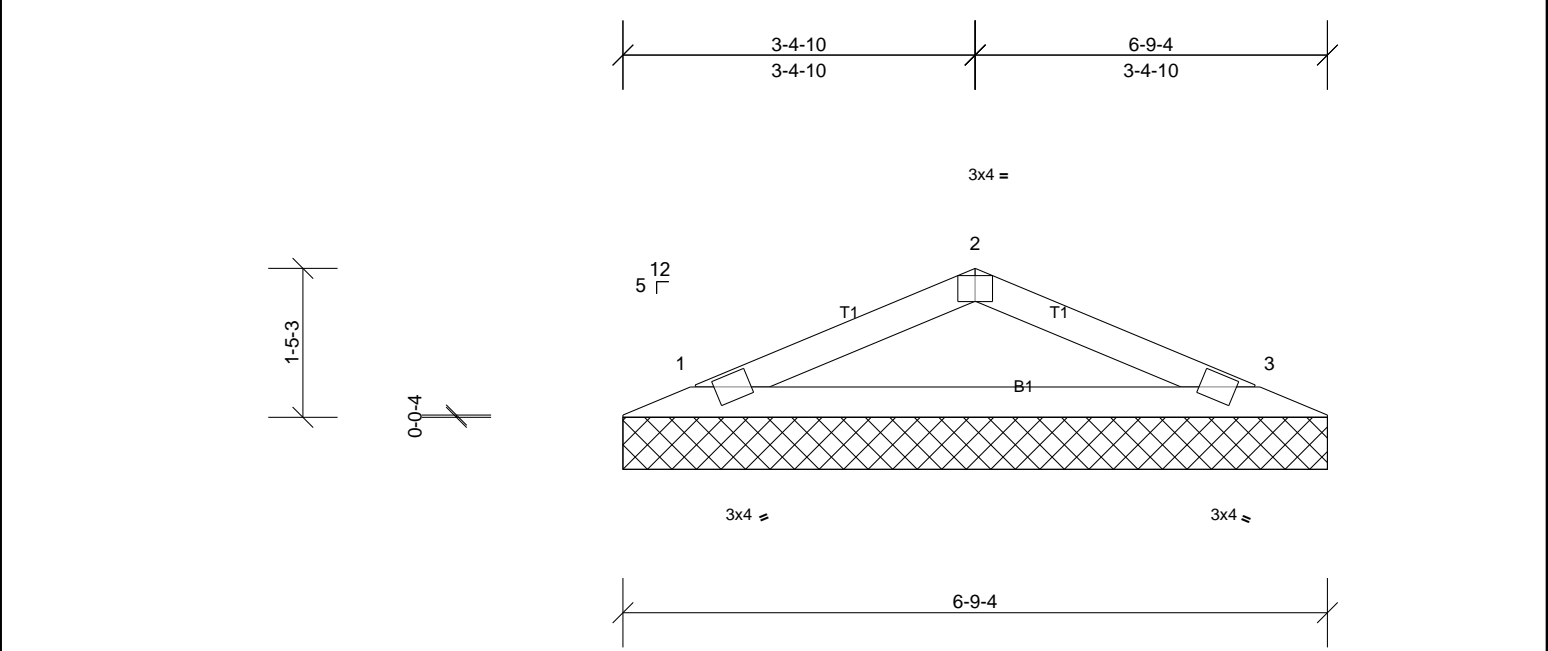


Plate Offsets (X, Y): [2:0-2-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.22	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 19 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS	(lb/size)	1=215/6-9-4, (min. 0-1-8), 3=215/6-9-4, (min. 0-1-8)
	Max Horiz	1=20 (LC 10)
	Max Uplift	1=30 (LC 10), 3=30 (LC 11)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	1-2=-278/151, 2-3=-278/151

- 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=35ft; 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
  - 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 30 lb uplift at joint 1 and 30 lb uplift at joint 3.
  - 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.

