

Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR C ROOF
72501302	A1	Truss	3	1	Job Reference (optional) 4 LDP

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

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Jan 15 13:12:04

Page: 1

ID:d7g9502RCzarkazDZSSE_Byx8No-mfvYXMun5F_M3HG4sNYxT_4h7wXaZZsi0BaMVKzv6g9

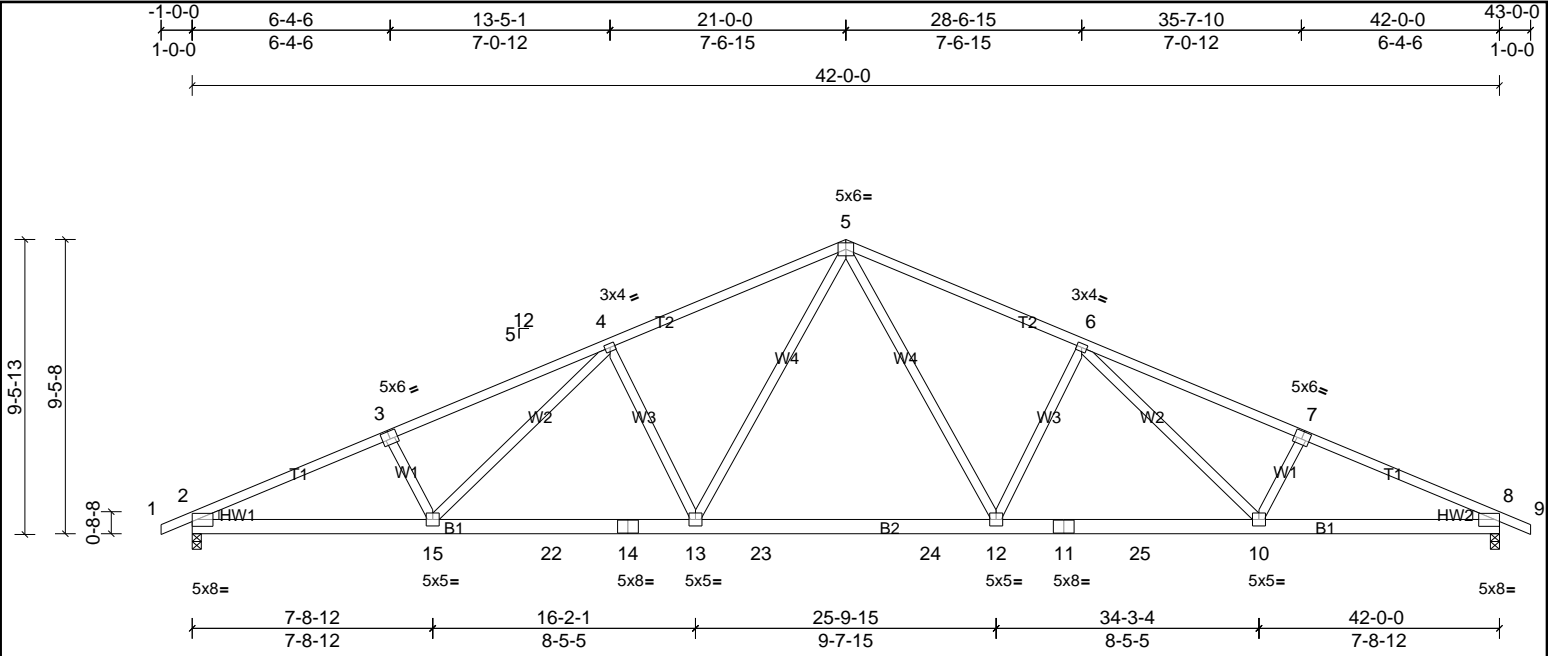


Plate Offsets (X, Y): [2:Edge,0-1-14], [3:0-3-0,0-3-0], [7:0-3-0,0-3-0], [8:Edge,0-1-14]

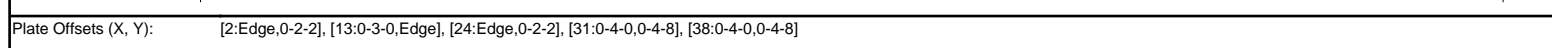
Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.84	Vert(LL)	-0.24	12-13	>999	240	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.88	Vert(CT)	-0.46	12-13	>999	180	
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.10	8	n/a	n/a	
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							
										Weight: 252 lb	FT = 20%

LUMBER			BRACING		
TOP CHORD	2x4 SP No.1 *Except* T1:2x4 SP No.2		TOP CHORD	Structural wood sheathing directly applied.	
BOT CHORD	2x6 SP No.1		BOT CHORD	Rigid ceiling directly applied or 9-1-12 oc bracing.	
WEBS	2x4 SP No.3				
WEDGE	Left: 2x4 SP No.2 Right: 2x4 SP No.2				
REACTIONS	(lb/size)	2=1740/0-3-8, (min. 0-2-12), 8=1740/0-3-8, (min. 0-2-12)			
	Max Horiz	2=-160 (LC 11)			
	Max Uplift	2=-258 (LC 10), 8=-258 (LC 11)			
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.				
TOP CHORD	2-3=-3389/896, 3-4=-3230/916, 4-5=-2699/843, 5-6=-2699/843, 6-7=-3230/916, 7-8=-3389/896				
BOT CHORD	2-15=-722/3051, 15-22=-551/2638, 14-22=-551/2638, 13-14=-551/2638, 13-23=-298/1972, 23-24=-298/1972, 12-24=-298/1972, 11-12=-551/2638, 11-25=-551/2638, 10-25=-551/2638, 8-10=-722/3051				
WEBS	5-12=-234/963, 6-12=-643/340, 6-10=-105/457, 7-10=-318/229, 5-13=-234/963, 4-13=-643/340, 4-15=-105/457, 3-15=-318/229				

- 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, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 258 lb uplift at joint 2 and 258 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.



UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Jan 15 13:12:04 Page: 1
ID:d7g9502RCzarkazDZSSE_Byx8No-mfvYXMun5F_M3HG4sNYxT_4stwkpZfri0BaMVKzv6g9



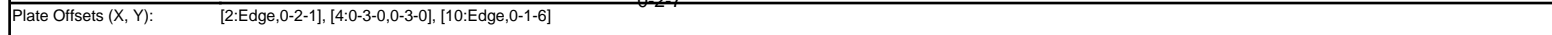
LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2x6 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS	2x4 SP No.3	WEBS	1 Row at midpt 12-35, 14-34
WEDGE	Left: 2x4 SP No.2 Right: 2x4 SP No.2		
REACTIONS			
	All bearings 42-0-0.		
(lb) - Max Horiz	2=-160 (LC 11)		
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)		
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=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
Truss designed for wind loads in the plane of the truss only.
 - 3) All plates are 2x3 MT20 unless otherwise indicated.
 - 4) Gable requires continuous bottom chord bearing.
 - 5) Gable studs spaced at 2-0-0 oc.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - 8) 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.
 - 9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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 SBCEA and Truss Plate Institute.

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Jan 15 13:12:04 Page: 1
ID:d7g9502RCzarkazDZSSE_Byx8No-mfvYXMun5F_M3HG4sNYxT_4f4wXAZVSi0BaMVkZv6g9



LUMBER		BRACING	
TOP CHORD	2x4 SP No.1 *Except* T3:2x4 SP SS, T1:2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	2x6 SP No.1 *Except* B2:2x6 SP No.2	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	2x4 SP No.3		
WEDGE	Right: 2x4 SP No.2		
SLIDER	Left 2x4 SP No.3 -- 1-11-0		
REACTIONS	(lb/size)	2=1886/0-3-8, (min. 0-3-1), 10=1867/0-3-8, (min. 0-2-15)	
	Max Horiz	2=179 (LC 14)	
	Max Uplift	2=-178 (LC 10), 10=-225 (LC 11)	
	Max Grav	2=1938 (LC 2), 10=1879 (LC 2)	
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	2-3=-1776/208, 3-4=-3347/678, 4-5=-3256/723, 5-6=-3012/703, 6-7=-3000/697, 7-8=-3451/792, 8-9=-3575/762, 9-10=-3771/801		
BOT CHORD	2-19=-494/2933, 19-27=-357/2776, 27-28=-357/2776, 18-28=-357/2776, 15-18=-157/2346, 15-29=-157/2346, 29-30=-157/2346, 14-30=-157/2346, 14-31=-408/2981, 13-31=-408/2981, 13-32=-408/2981, 12-32=-408/2981, 10-12=-615/3399		
WEBS	5-19=-109/269, 5-18=-554/346, 17-18=-223/841, 6-17=-173/1083, 6-16=-191/1248, 14-16=-241/1003, 7-14=-755/377, 7-12=-116/522, 9-12=-364/259		

- NOTES**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDD=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
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 178 lb uplift at joint 2 and 225 lb uplift at joint 10.
 - 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.



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 72501302	Truss A2G	Truss Type Truss	Qty 1	Ply 1	MUNGO HOMES - TELFAIR C ROOF Job Reference (optional)
-----------------	--------------	---------------------	----------	----------	--

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

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Jan 15 13:12:05

Page: 1

ID:d7g9502RCzarkazDZSSE_Byx8No-ErTwiuPsZ7ChRrHQ43A?BdseKvBlybsFrKw2mzv6g8

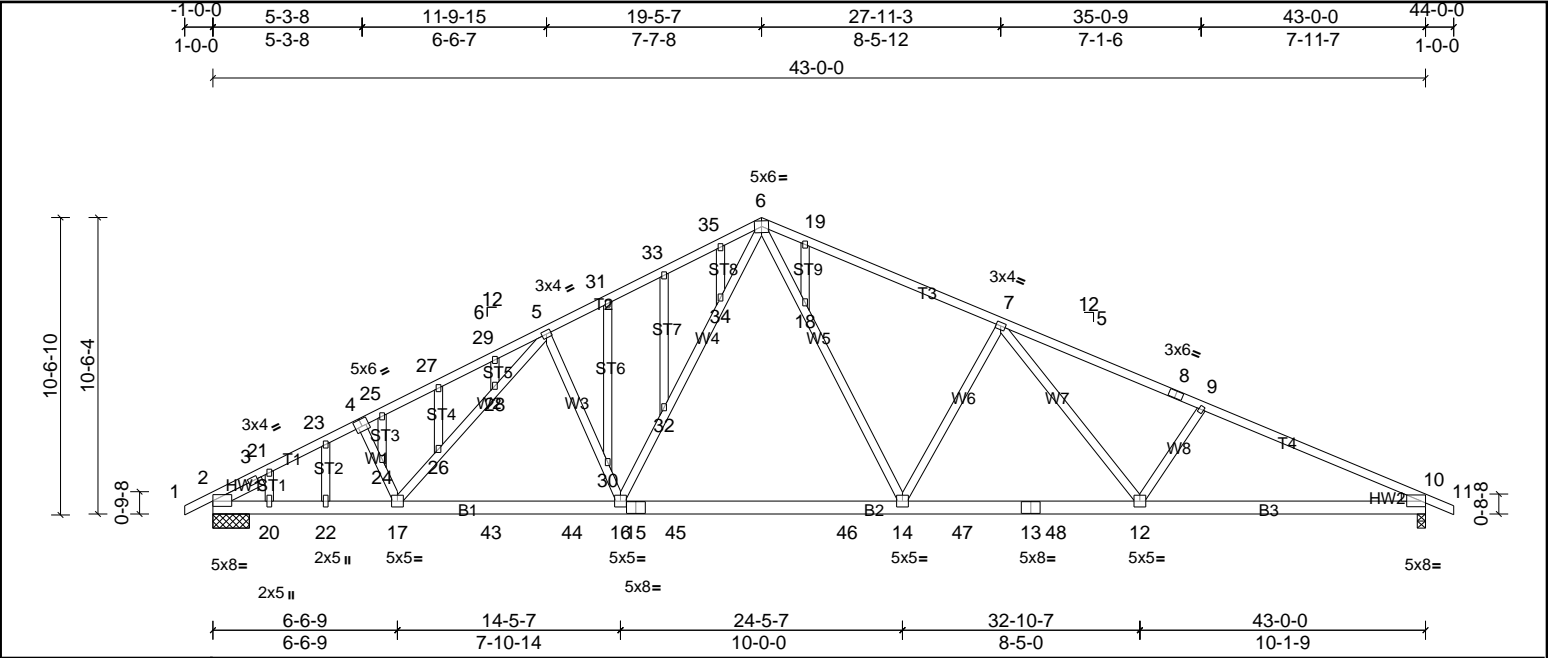


Plate Offsets (X, Y): [2:Edge,0-2-5], [4:0-3-0,0-3-0], [10:Edge,0-1-10]

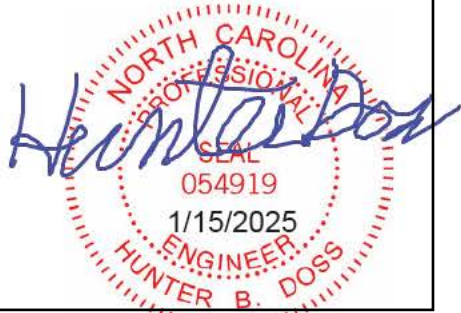
Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.86	Vert(LL)	-0.23	14-16	>999	240	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.73	Vert(CT)	-0.44	14-16	>999	180	
BCLL	0.0*	Rep Stress Incr	YES	WB	0.81	Horz(CT)	0.10	10	n/a	n/a	
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							
										Weight: 301 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2x4 SP No.1 *Except* T3:2x4 SP SS, T1:2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 9-1-10 oc bracing.
WEBS 2x4 SP No.3	
OTHERS 2x4 SP No.3	
WEDGE Right: 2x4 SP No.2	
SLIDER Left 2x4 SP No.3 -- 1-11-0	

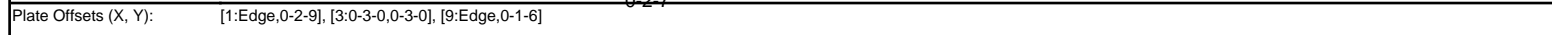
REACTIONS	(lb/size)	2=1780/1-3-8, (min. 0-2-2), 10=1780/0-3-8, (min. 0-2-13)
	Max Horiz	2=179 (LC 14)
	Max Uplift	2=242 (LC 10), 10=277 (LC 11)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-1576/275, 3-4=-2987/799, 4-5=-2897/845, 5-6=-2620/838, 6-7=-2618/827, 7-8=-3090/915, 8-9=-3214/885, 9-10=-3444/924
BOT CHORD	2-17=-601/2614, 17-43=-475/2430, 43-44=-475/2430, 16-44=-475/2430, 15-16=-241/1869, 15-45=-241/1869, 45-46=-241/1869, 14-46=-241/1869, 14-47=-527/2633, 13-47=-527/2633, 13-48=-527/2633, 12-48=-527/2633, 10-12=-727/3085
WEBS	5-17=-94/290, 5-16=-561/341, 6-16=-233/902, 6-14=-253/1063, 7-14=-762/373, 7-12=-107/536, 9-12=-367/257

- 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) 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 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 242 lb uplift at joint 2 and 277 lb uplift at joint 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.



UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Jan 15 13:12:05 Page: 1
ID:d7g9502RCzarkazDZSSE_Byx8No-ErTwiuPsZ7ChRrHQ43A?BdqpKtPlyisFrKw2mzv6g



LUMBER		BRACING	
TOP CHORD	2x4 SP No.1 *Except* T3:2x4 SP SS, T1:2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	2x6 SP No.1 *Except* B2:2x6 SP No.2	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	2x4 SP No.3		
WEDGE	Right: 2x4 SP No.2		
SLIDER	Left 2x4 SP No.3 -- 1-11-0		
REACTIONS	(lb/size)	1=1825/ Mechanical, (min. 0-1-8), 9=1868/0-3-8, (min. 0-2-15)	
	Max Horiz	1=187 (LC 11)	
	Max Uplift	1=156 (LC 10), 9=225 (LC 11)	
	Max Grav	1=1888 (LC 2), 9=1880 (LC 2)	
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	1-2=1775/229, 2-3=3355/686, 3-4=3264/731, 4-5=3014/706, 5-6=3001/698, 6-7=3452/793, 7-8=3577/763, 8-9=3772/802		
BOT CHORD	1-18=502/2940, 18-26=359/2779, 26-27=359/2779, 17-27=359/2779, 14-17=158/2348, 14-28=158/2348, 28-29=158/2348, 13-29=158/2348, 13-30=409/2982, 12-30=409/2982, 12-31=409/2982, 11-31=409/2982, 9-11=616/3400		
WEBS	4-18=111/277, 4-17=556/348, 16-17=224/842, 5-16=174/1085, 5-15=192/1248, 13-15=241/1003, 6-13=755/377, 6-11=116/522, 8-11=364/259		

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDD=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
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 156 lb uplift at joint 1 and 225 lb uplift at joint 9.
- 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.



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 C ROOF
72501302	A3G	Truss	1	1	Job Reference (optional)

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

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Jan 15 13:12:05

Page: 1

ID:d7g9502RCzarkazDZSSE_Byx8No-ErTwliuPs27ChRrHQ43A?Bd0oK3TI60sFrKw2mzv6g8

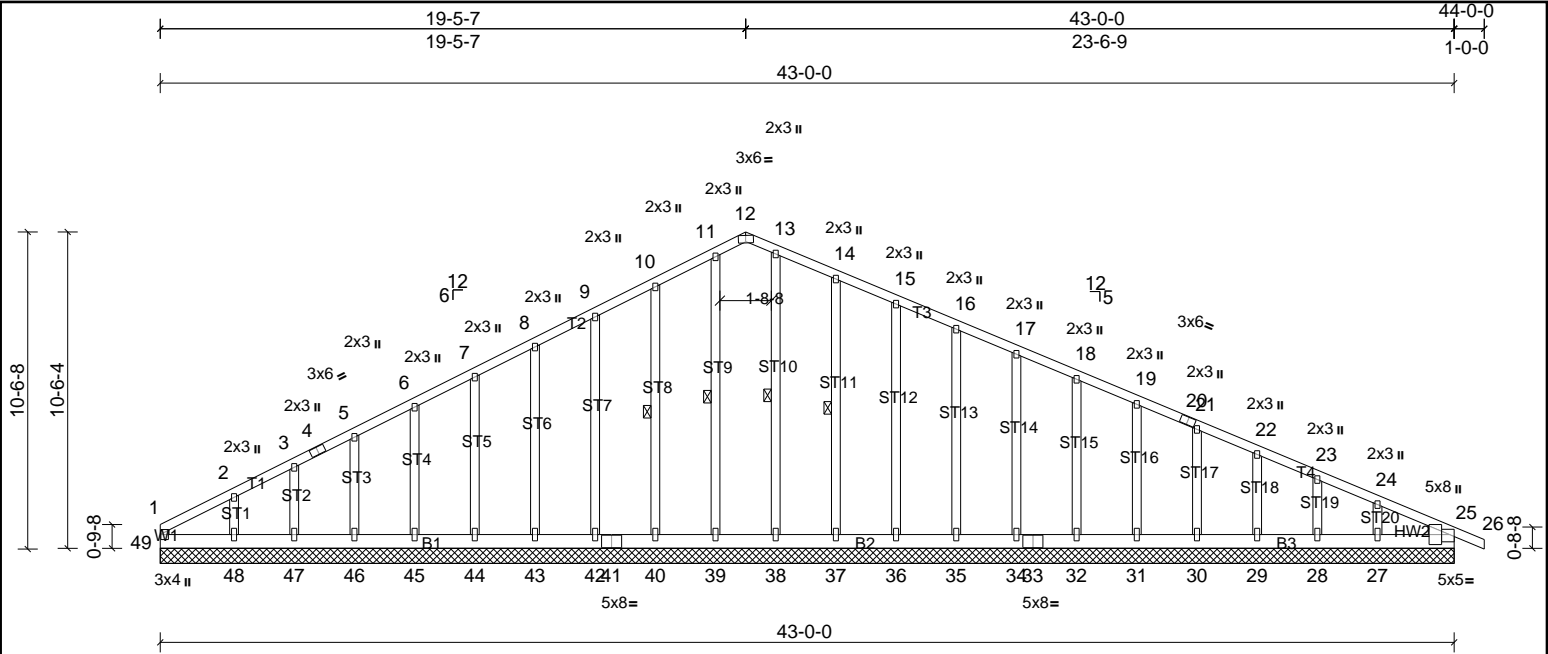


Plate Offsets (X, Y): [12:0-2-14,Edge], [25:Edge,0-2-2], [49:0-2-15,0-1-8]

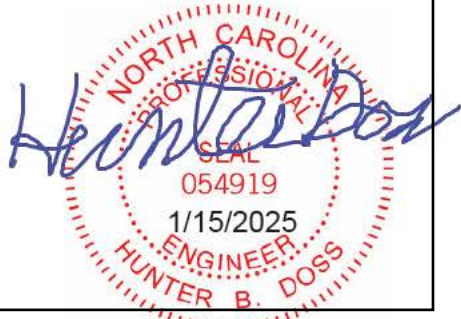
Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.21	Vert(LL)	n/a	-	n/a	999	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	n/a	-	n/a	999	
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.01	25	n/a	n/a	
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-SH							
										Weight: 330 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt
OTHERS 2x4 SP No.3	
WEDGE Right: 2x4 SP No.2	

REACTIONS	All bearings 43-0-0.
(lb) - Max Horiz 49=182 (LC 15)	
Max Uplift All uplift 100 (lb) or less at joint(s) 27, 28, 29, 30, 31, 32, 34, 35, 36, 37, 40, 42, 43, 44, 45, 46, 47 except 48=140 (LC 10)	
Max Grav All reactions 250 (lb) or less at joint(s) 25, 27, 28, 29, 30, 31, 32, 34, 35, 36, 37, 38, 39, 40, 42, 43, 44, 45, 46, 47, 48, 49	

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	10-11=107/261, 13-14=105/259

- 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) 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) 40, 42, 43, 44, 45, 46, 47, 37, 36, 35, 34, 32, 31, 30, 29, 28, 27 except (jt=lb) 48=140.
 - 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 72501302	Truss A3T	Truss Type Truss	Qty 6	Ply 1	MUNGO HOMES - TELFAIR C ROOF Job Reference (optional)
-----------------	--------------	---------------------	----------	----------	--

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

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Jan 15 13:12:06

Page: 1

ID:d7g9502RCzarkazDZSSE_Byx8No-i11ly2v1dF3laQ1gPYPA?CkD?1QV?TV3TaCzv6g7

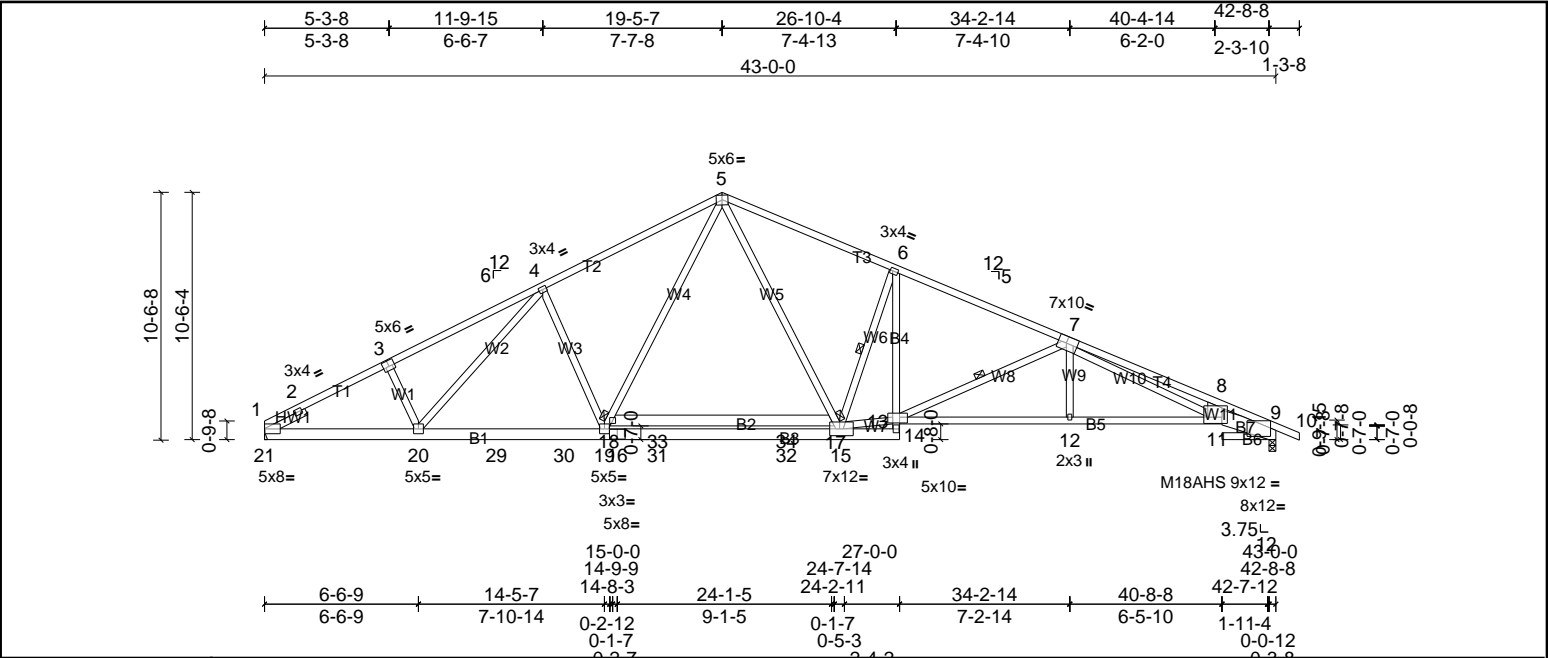


Plate Offsets (X, Y): [1:Edge,0-2-9], [3:0-3-0,0-3-0], [6:0-1-4,0-1-8], [7:0-4-4,Edge], [9:0-10-7,0-1-6], [11:0-9-4,0-3-4], [13:0-4-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	1.00	Vert(LL)	-0.39	17-18	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.88	Vert(CT)	-0.78	17-18	>665	180	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.71	Horz(CT)	0.19	9	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 302 lb	FT = 20%

LUMBER				BRACING			
TOP CHORD	2x4 SP SS *Except* T1:2x4 SP No.2			TOP CHORD	Structural wood sheathing directly applied.		
BOT CHORD	2x6 SP No.2 *Except* B1:2x6 SP No.1, B6:2x4 SP No.2, B5:2x4 SP SS, B4:2x4 SP No.3, B7:2x8 SP No.2			BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.		
WEBS	2x4 SP No.3 *Except* W7:2x4 SP No.2, W11:2x8 SP No.2			WEBS	1 Row at midpt		
SLIDER	Left 2x4 SP No.3 -- 1-11-0				6-15, 7-13		
REACTIONS	(lb/size)	1=1825/ Mechanical, (min. 0-1-8), 9=1868/0-3-8, (min. 0-2-15)					
	Max Horiz	1=187 (LC 11)					
	Max Uplift	1=156 (LC 10), 9=225 (LC 11)					
	Max Grav	1=1854 (LC 2), 9=1868 (LC 1)					
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.						
TOP CHORD	1-2=-1728/223, 2-3=-3287/685, 3-4=-3197/731, 4-5=-2945/706, 5-6=-2887/719, 6-7=-3348/725, 7-8=-5676/1321, 8-9=-5733/1161						
BOT CHORD	1-20=-501/2880, 20-29=-360/2717, 29-30=-360/2717, 19-30=-360/2717, 16-19=-149/2240, 16-31=-149/2240, 31-32=-149/2240, 15-32=-149/2240, 14-15=-117/302, 12-13=-681/3873, 11-12=-679/3879, 6-13=-192/1143, 9-11=-1012/5264						
WEBS	4-20=-111/275, 4-19=-557/352, 18-19=-229/861, 5-18=-177/1094, 5-17=-221/1187, 15-17=-272/991, 6-15=-1473/466, 13-15=-284/2824, 7-12=0/355, 7-13=-1033/319, 7-11=-450/1504						

- 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
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 156 lb uplift at joint 1 and 225 lb uplift at joint 9.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



Job 72501302	Truss B1G	Truss Type Truss	Qty 1	Ply 1	MUNGO HOMES - TELFAIR C ROOF Job Reference (optional)
-----------------	--------------	---------------------	----------	----------	--

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

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Jan 15 13:12:06

Page: 1

ID:d7g9502RCzarkazDZSSE_Byx8No-i11ly2v1dtF3laQTzoaPYPAEnkQ91bq?TV3TaCzv6g7

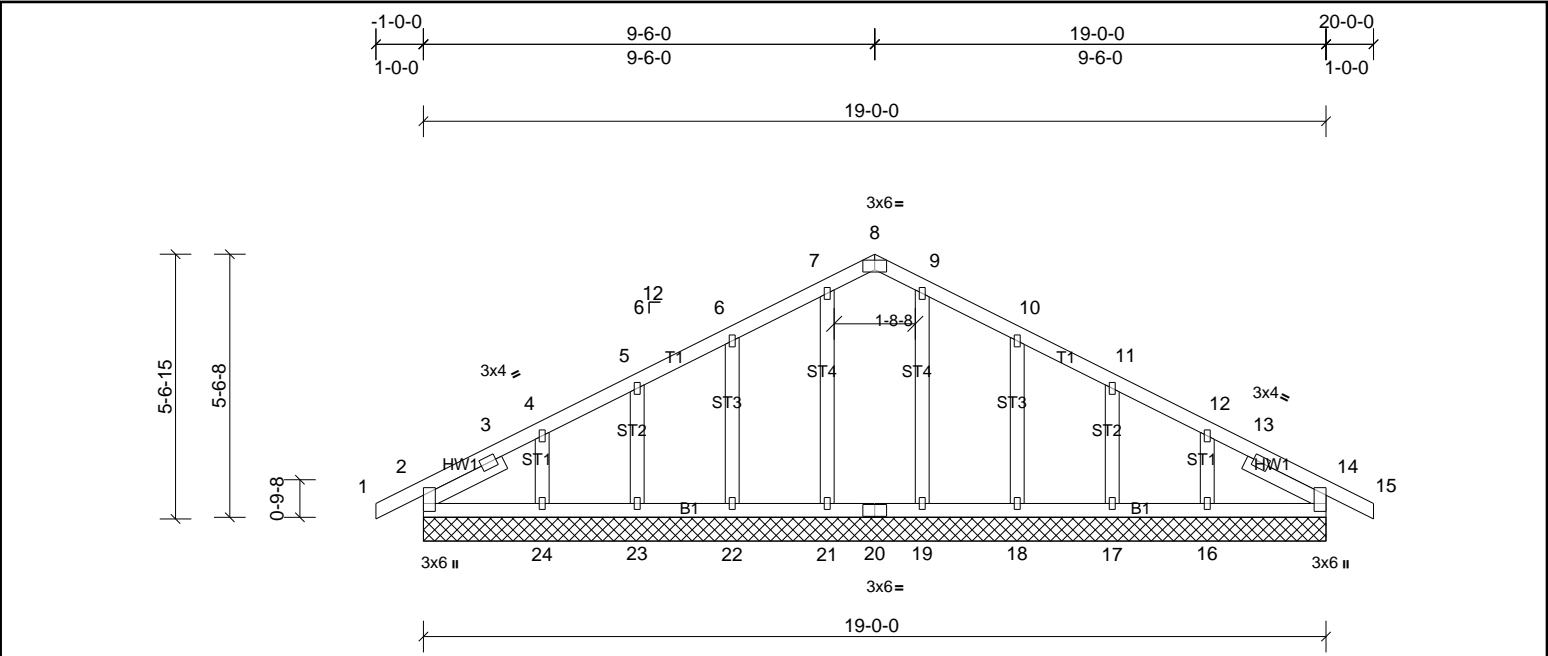


Plate Offsets (X, Y): [8:0-3-0,Edge]

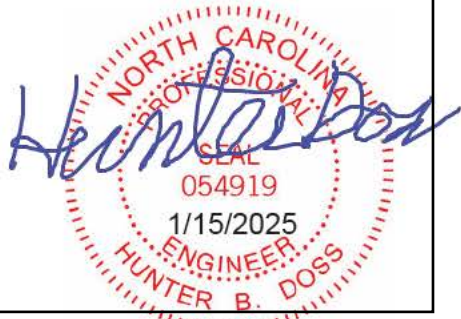
Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	14	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 105 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	
SLIDER Left 2x4 SP No.3 -- 1-11-0, Right 2x4 SP No.3 -- 1-11-0	

REACTIONS	All bearings 19'-0-0.
(lb) - Max Horiz	2=92 (LC 15)
Max Uplift	All uplift 100 (lb) or less at joint(s) 2, 16, 17, 18, 21, 22, 23, 24
Max Grav	All reactions 250 (lb) or less at joint(s) 2, 14, 16, 17, 18, 19, 21, 22, 23, 24

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
 - Truss designed for wind loads in the plane of the truss only.
 - All plates are 1.5x3 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) 2, 21, 22, 23, 24, 18, 17, 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.



Job 72501302	Truss B2	Truss Type Truss	Qty 1	Ply 4	MUNGO HOMES - TELFAIR C ROOF Job Reference (optional)
-----------------	-------------	---------------------	----------	----------	--

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

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Jan 15 13:12:06

Page: 1

ID:d7g9502RCzarkazDZSSE_Byx8No-111y2v1dtF3laQTzoePYPA3gkD31So?TV3TaCzv6g7

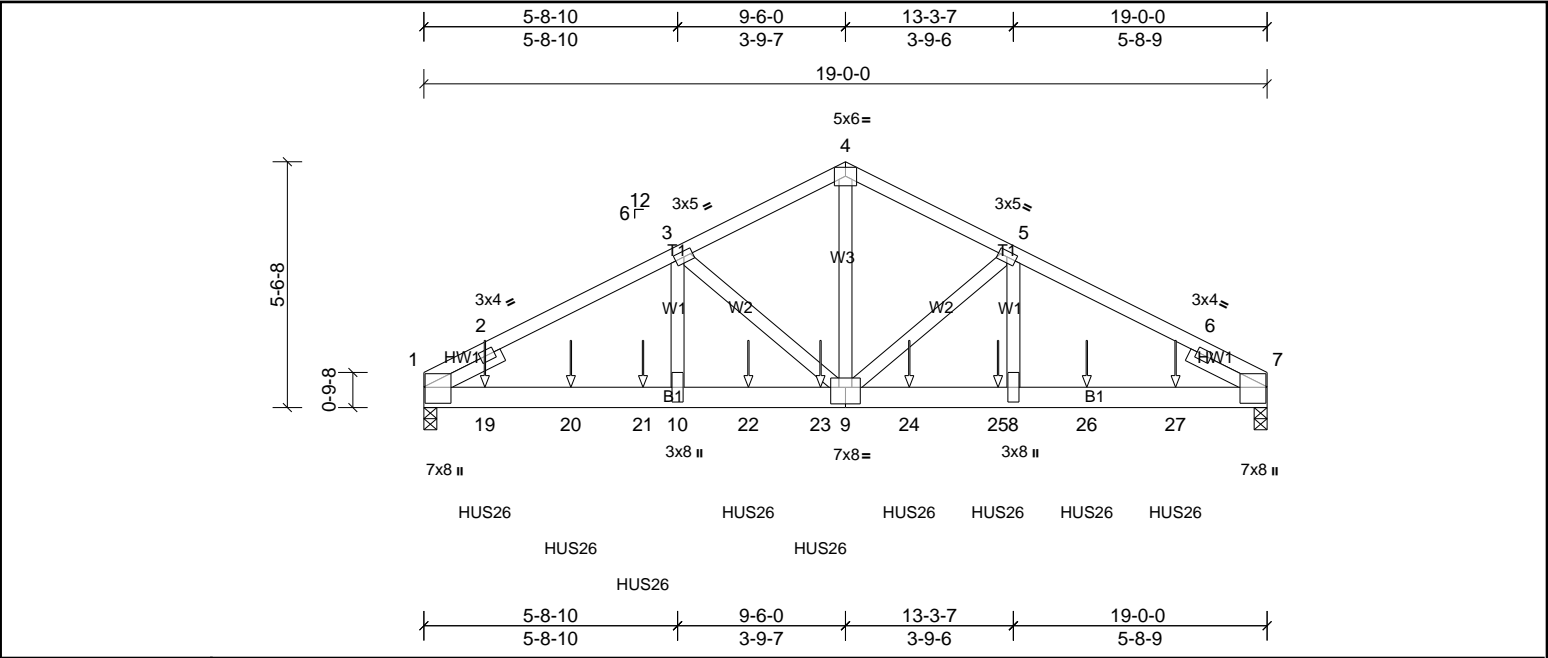


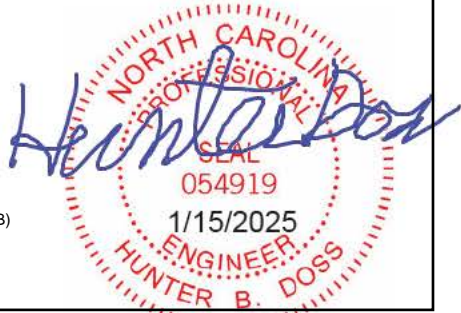
Plate Offsets (X, Y): [1:0-4-5,0-0-5], [7:0-4-7,0-0-5], [9:0-4-0,0-4-8]

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	0.71	Vert(LL)	-0.09	8-9	>999	240	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.88	Vert(CT)	-0.19	8-9	>999	180	
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.63	Horz(CT)	0.05	7	n/a	n/a	
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							
										Weight: 446 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	2x6 SP No.1		BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.	
WEBS	2x4 SP No.3 *Except* W3:2x4 SP No.2				
SLIDER	Left 2x4 SP No.3 -- 1-11-0, Right 2x4 SP No.3 -- 1-11-0				
REACTIONS	(lb/size)	1=9250/0-3-8, (min. 0-2-12), 7=8514/0-3-8, (min. 0-3-6)			
	Max Horiz	1=83 (LC 26)			
	Max Uplift	1=891 (LC 8), 7=822 (LC 9)			
	Max Grav	1=9354 (LC 2), 7=8581 (LC 2)			
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.				
TOP CHORD	1-2=-10602/898, 2-3=-13619/1313, 3-4=-10190/1014, 4-5=-10188/1014, 5-6=-13350/1290, 6-7=-9527/830				
BOT CHORD	1-19=-1176/12091, 19-20=-1176/12091, 20-21=-1176/12091, 10-21=-1176/12091, 10-22=-1176/12091, 22-23=-1176/12091, 9-23=-1176/12091, 9-24=-1072/11839, 24-25=-1072/11839				
	8-25=-1072/11839, 8-26=-1072/11839, 26-27=-1072/11839, 7-27=-1072/11839				
WEBS	3-10=-328/4074, 3-9=-3949/480, 4-9=-819/8738, 5-9=-3616/452, 5-8=-303/3771				

- NOTES**
- 4-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.
Bottom chords connected as follows: 2x6 - 3 rows staggered at 0-5-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 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; TCCL=6.0psf; BCDL=6.0psf; h=35ft; 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
 - 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 891 lb uplift at joint 1 and 822 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.
 - Use Simpson Strong-Tie HUS26 (14-16d Girder, 4-16d Truss) or equivalent spaced at 2-4-8 oc max. starting at 1-4-8 from the left end to 16-11-4 to connect truss(es) to back face of bottom chord.
 - Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S)	Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15	
Uniform Loads (lb/ft)	
Vert: 1-4=-60, 4-7=-60, 11-15=-20	
Concentrated Loads (lb)	
Vert: 19=-1805 (B), 20=-1805 (B), 21=-1805 (B), 22=-1805 (B), 23=-1805 (B), 24=-1805 (B), 25=-1805 (B), 26=-1805 (B), 27=-1805 (B)	



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 C ROOF
72501302	P1	Truss	5	1	Job Reference (optional)

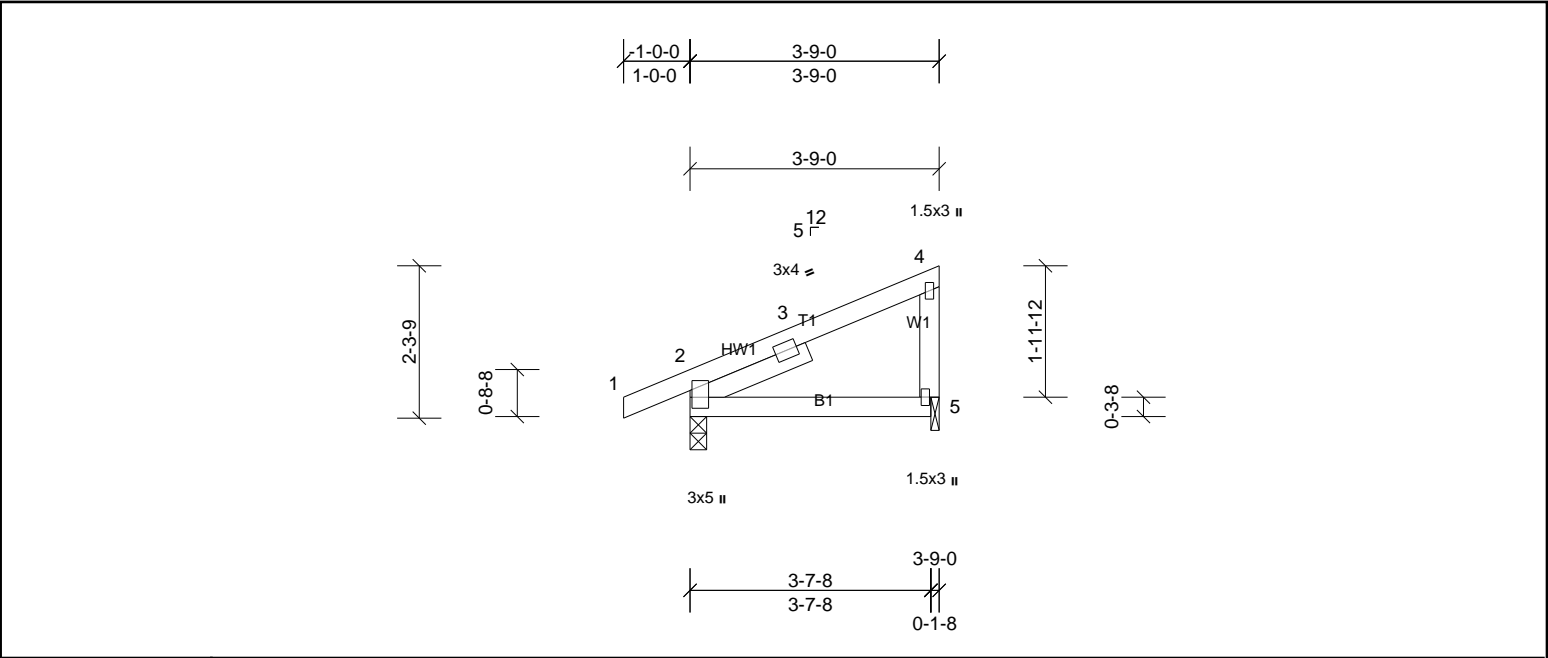


Plate Offsets (X, Y):	[2:0-3-3,0-0-6]
-----------------------	-----------------

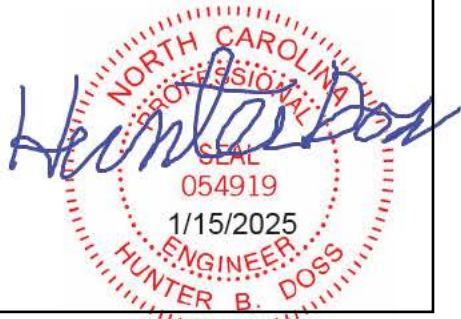
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.18	Vert(LL)	0.02	5-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.01	5-8	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	2	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MP							Weight: 19 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 3-9-0 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=212/0-3-0, (min. 0-1-8), 5=136/0-1-8, (min. 0-1-8)
	Max Horiz	2=85 (LC 9)
	Max Uplift	2=74 (LC 6), 5=60 (LC 7)

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; porch 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 74 lb uplift at joint 2 and 60 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	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR C ROOF
72501302	P1G	Truss	1	1	Job Reference (optional)

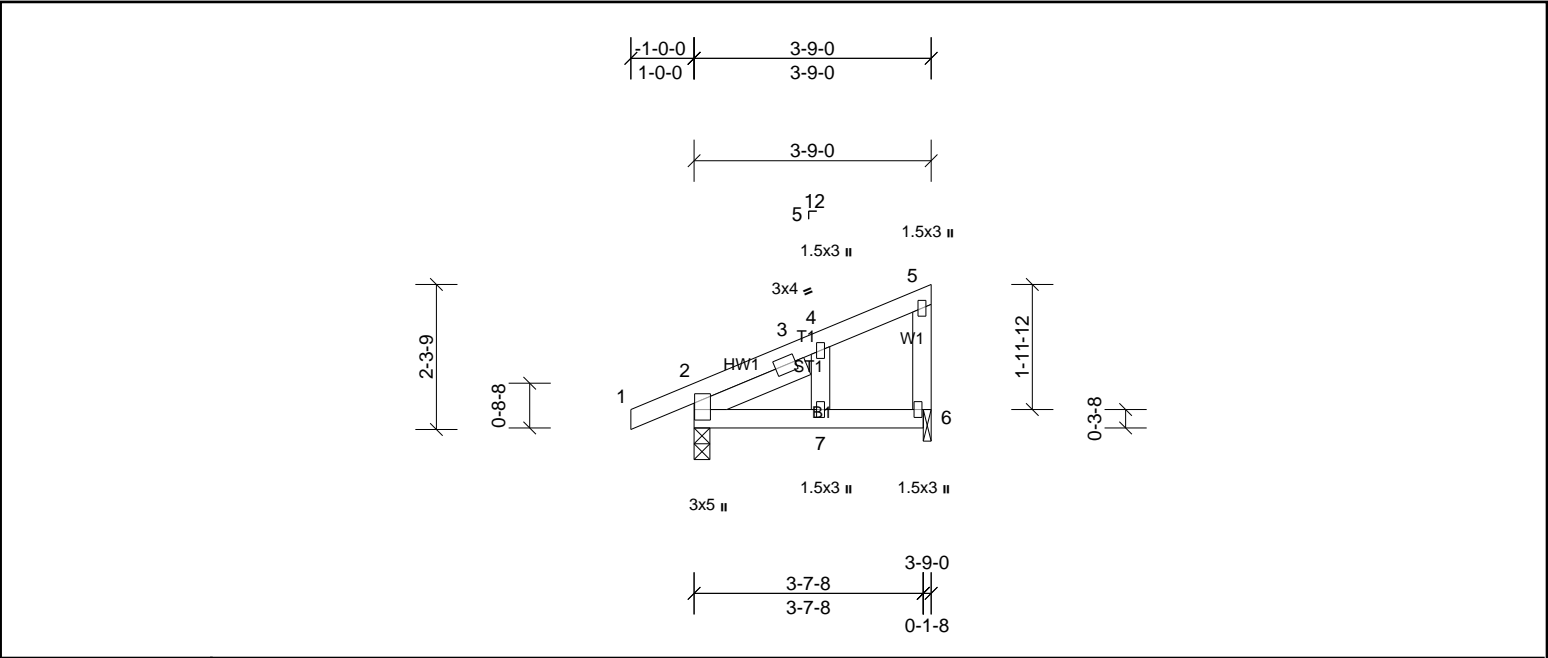


Plate Offsets (X, Y): [2:0-3-3,0-0-2]

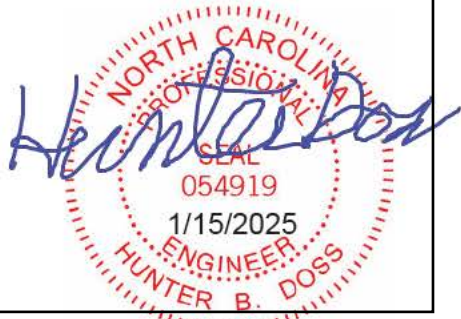
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.16	Vert(LL)	0.02	7-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	-0.02	7	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.01	Horz(CT)	-0.01	2	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MP							Weight: 20 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 3-9-0 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		
OTHERS	2x4 SP No.3		
SLIDER	Left 2x4 SP No.3 -- 1-11-0		

REACTIONS	(lb/size)	2=212/0-3-0, (min. 0-1-8), 6=136/0-1-8, (min. 0-1-8)
	Max Horiz	2=85 (LC 9)
	Max Uplift	2=-74 (LC 6), 6=-60 (LC 7)

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; TCCL=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; porch 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.
 - 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.
 - Bearing at joint(s) 6 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) 6.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 74 lb uplift at joint 2 and 60 lb uplift at joint 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.



Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR C ROOF
72501302	P2G	Truss	1	1	Job Reference (optional)

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

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Jan 15 13:12:07

Page: 1

ID:cE76fEhS?3XwpdtqzY?iA8y75oD-ADbhAOwOANwwk?fXV6e5ciO38m1m2o8i9p06ev6g6

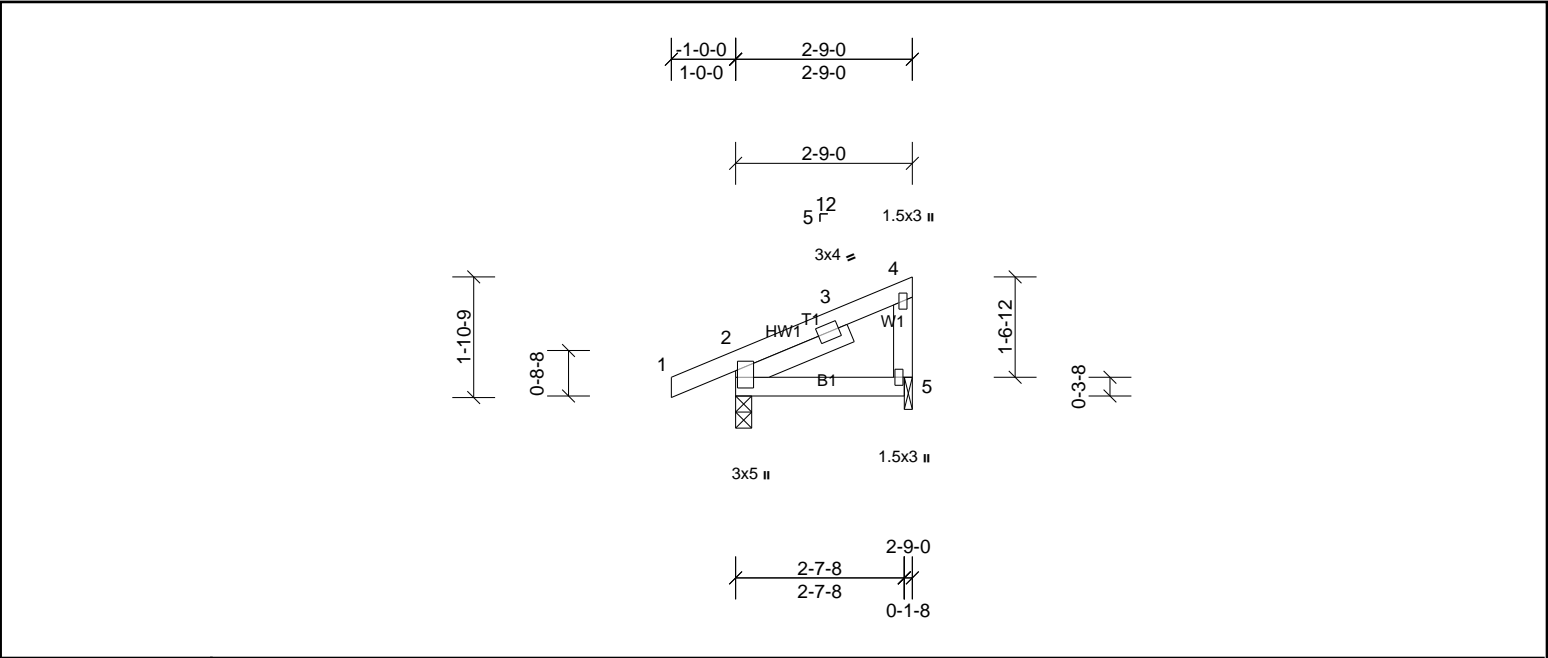


Plate Offsets (X, Y): [2:0-3-3,0-0-6]

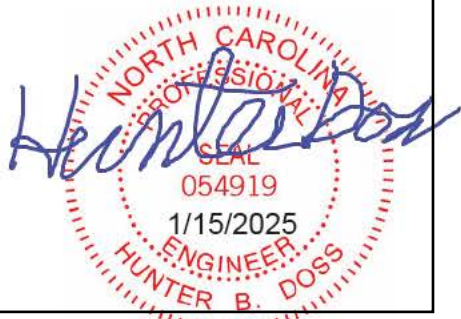
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	0.00	5-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	0.00	5-8	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MP							Weight: 15 lb	FT = 20%

LUMBER				BRACING	
TOP CHORD	2x4 SP No.2			TOP CHORD	Structural wood sheathing directly applied or 2-9-0 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=176/0-3-0, (min. 0-1-8), 5=93/0-1-8, (min. 0-1-8)
	Max Horiz	2=67 (LC 9)
	Max Uplift	2=64 (LC 6), 5=45 (LC 7)

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; porch 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.
 - 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.
 - 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 64 lb uplift at joint 2 and 45 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.



UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Jan 15 13:12:07 Page: 1
ID:d7g9502RCzarkazDZSSE_Byx8No-ADbhAOwOANwwk?fxV6e5ciNX8Jm2s8j9p06evz6g6



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=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
- 3) Gable requires continuous bottom chord bearing.
- 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) 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=121, 6=121.
- 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.

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.

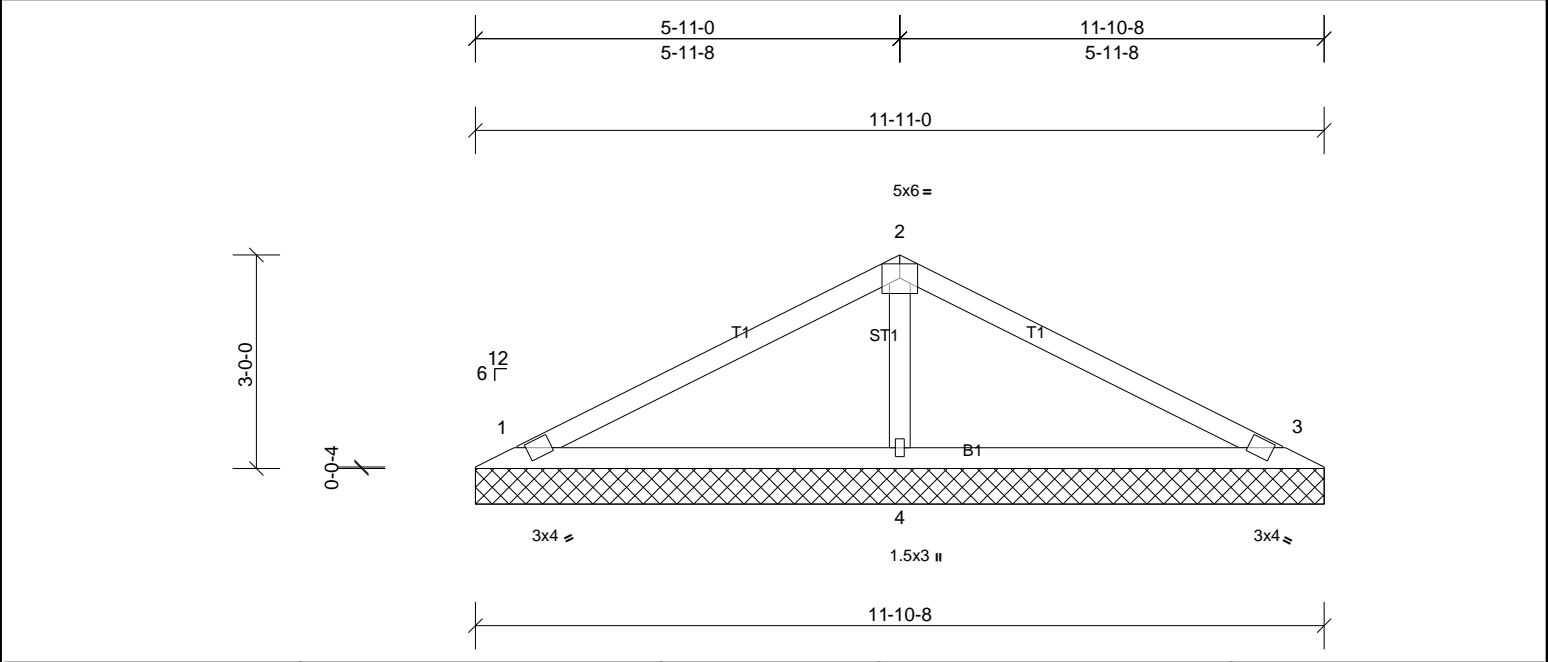
Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR C ROOF
72501302	V2	Truss	1	1	Job Reference (optional)

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

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Jan 15 13:12:07

Page: 1

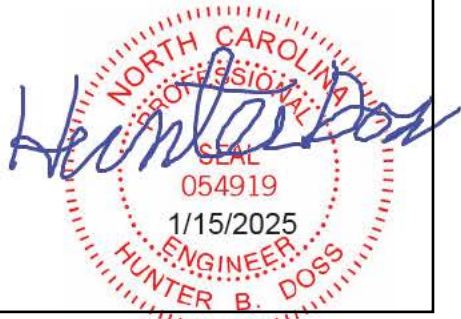
ID:d7g9502RCzarkazDZSSE_Byx8No-ADbhAOwfOANwwk?fXV6e5ciKh8ibm1k8ip06ezv6g6



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	0.37	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.28	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 39 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					
	(lb/size)	1=192/11-11-0, (min. 0-1-8), 3=192/11-11-0, (min. 0-1-8), 4=475/11-11-0, (min. 0-1-8)			
	Max Horiz	1=47 (LC 11)			
	Max Uplift	1=41 (LC 10), 3=50 (LC 11), 4=35 (LC 10)			
	Max Grav	1=196 (LC 21), 3=196 (LC 22), 4=475 (LC 1)			
FORCES					
WEBS	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.				
	2-4=-295/151				

- 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) 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 41 lb uplift at joint 1, 50 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.



Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR C ROOF
72501302	V3	Truss	1	1	Job Reference (optional)

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

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Jan 15 13:12:07

Page: 1

ID:d7g9502RCzarkazDZSSE_Byx8No-ADbhAOwfOANwwk?fXV6e5ciMh8hdm2o8i9p06ezv6g6

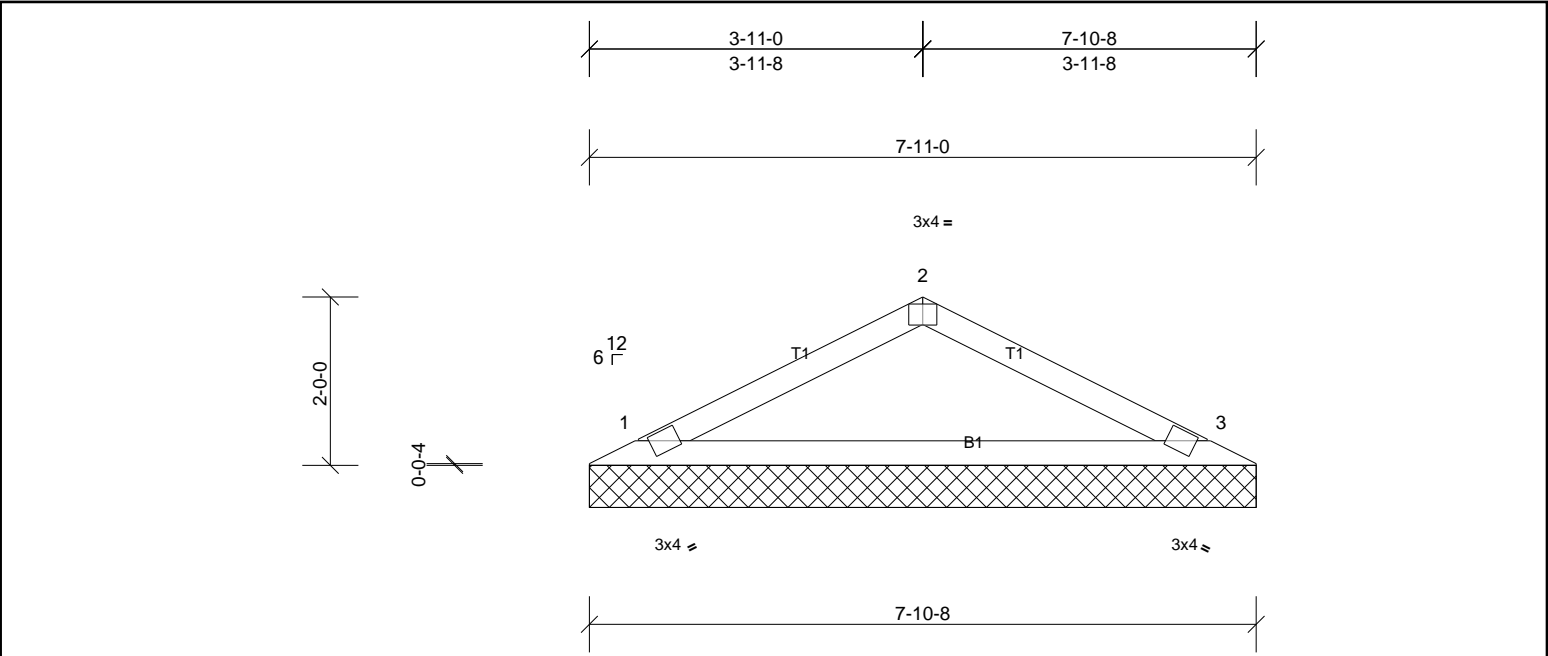
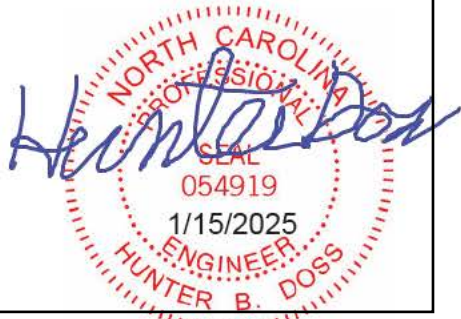


Plate Offsets (X, Y): [2:0-2-0,Edge]

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	0.25	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.34	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: 23 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=270/7-11-0, (min. 0-1-8), 3=270/7-11-0, (min. 0-1-8)		
	Max Horiz 1=30 (LC 14)		
	Max Uplift 1=37 (LC 10), 3=37 (LC 11)		
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	1-2=-311/161, 2-3=-311/161		
BOT CHORD	1-3=-87/257		

- 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 37 lb uplift at joint 1 and 37 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.



Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR C ROOF
72501302	V4	Truss	1	1	Job Reference (optional)

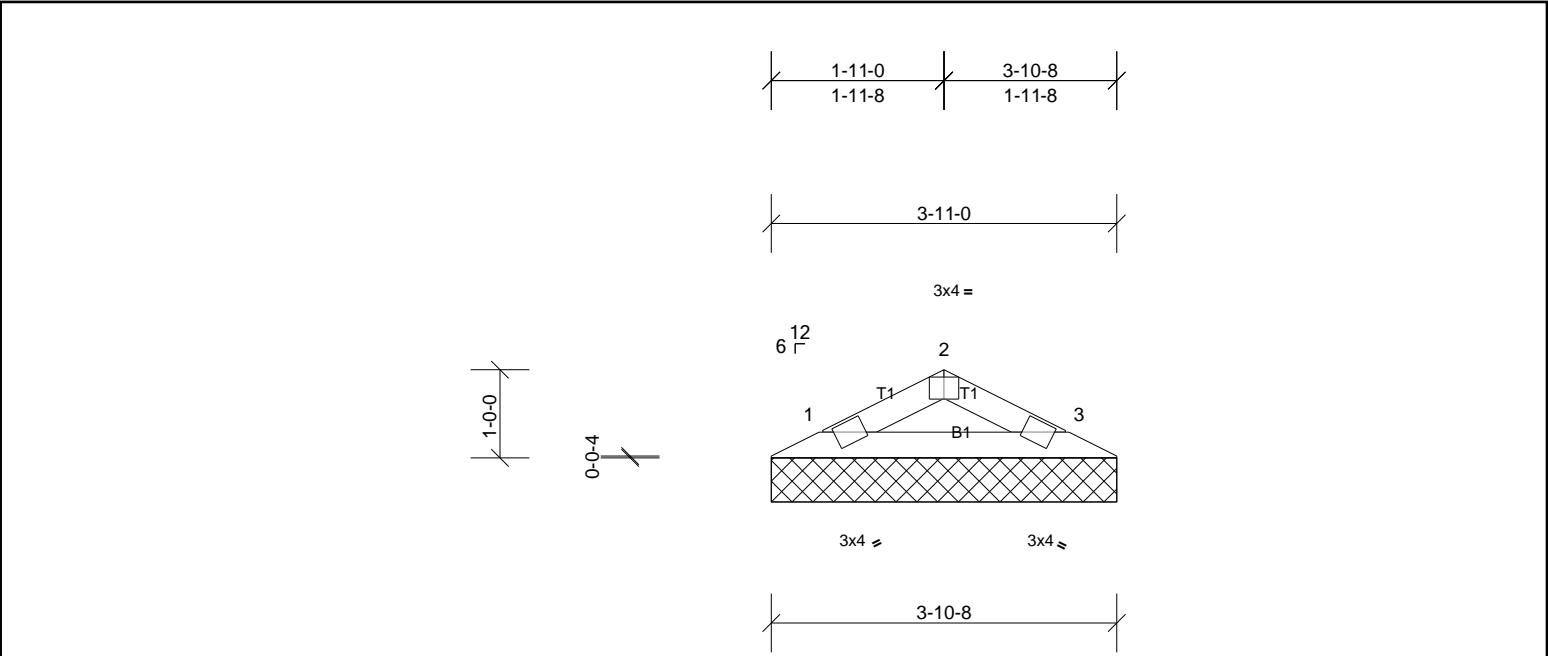


Plate Offsets (X, Y):	[2:0-2-0,Edge]
-----------------------	----------------

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	0.03	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.09	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-P							Weight: 10 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 4-0-0 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS	(lb/size)	1=110/3-11-0, (min. 0-1-8), 3=110/3-11-0, (min. 0-1-8)
	Max Horiz	1=-12 (LC 15)
	Max Uplift	1=-15 (LC 10), 3=-15 (LC 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=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 15 lb uplift at joint 1 and 15 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.

