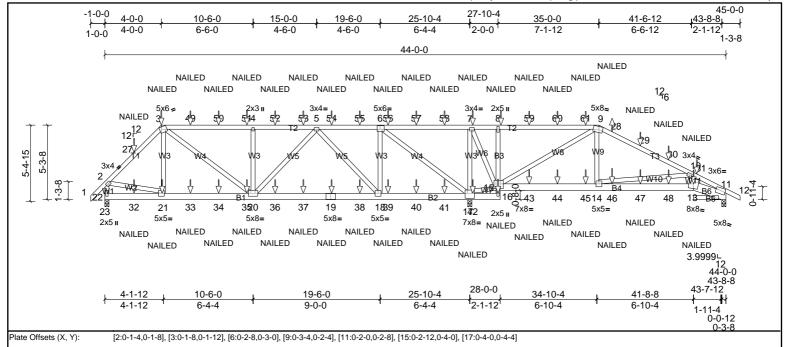
Job MUNGO HOMES - TELFAIR D ROOF Truss Truss Type Qty Ply **25 CBR** A1T 2 72501096 1 Truss Job Reference (optional)

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)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.49	Vert(LL)	0.07	18-20	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.27	Vert(CT)	-0.08	18-20	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.59	Horz(CT)	0.03	11	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 602 lb	FT = 20%

LUMBER BRACING TOP CHORD TOP CHORD

2x4 SP No.2 BOT CHORD 2x6 SP No.2 *Except* B3:2x4 SP No.3, B5:2x4 SP No.2, B6:2x8 SP No.2

WEBS 2x4 SP No.3

REACTIONS (lb/size) 11=731/0-3-8, (min. 0-1-8), 17=3028/0-3-8, (min. 0-1-14), 22=1214/0-3-8, (min. 0-1-8)

Max Horiz 22=-164 (LC 6) Max Unlift 11=-270 (LC 9), 17=-2111 (LC 4), 22=-773 (LC 5) Max Grav 11=732 (LC 20), 17=3223 (LC 17), 22=1256 (LC 15)

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

TOP CHORD 2-27 = -1287/871, 3-27 = -1168/840, 9-28 = -488/338, 28-29 = -539/329, 29-30 = -552/332, 10-30 = -645/327, 10-31 = -1632/666, 11-31 = -1695/674, 2-22 = -1203/775, 3-49 = -1487/1109, 20-30 = -1203/775, 3-49 =

49-50=-1487/1109, 50-51=-1487/1109, 4-51=-1487/1109, 4-52=-1487/1109, 52-53=-1487/1109, 5-53=-1487/1109, 5-54=-572/517, 54-55=-572/517, 6-55=-572/517, 6-56=-679/1224, 5-20-1487/1109, 5-54=-572/517, 54-55=56-57=679/1224, 75-58=679/1224, 75-58=679/1224, 75-88-679/1224,

BOT CHORD

21-33=-576/946, 33-34=-576/946, 34-35=-576/946, 20-35=-576/946, 39-40=-451/682, 40-41=-451/682, 17-41=-451/682, 8-15=-356/290, 15-43=-203/553, 43-44=-203/553, 44-45=-203/553, 14-45=-203/553, 14-46=-577/1487, 46-47=-577/1487,

47-48=-577/1487, 13-48=-577/1487, 11-13=-567/1509

 $3-20=-617/832,\ 4-20=-536/513,\ 5-20=-249/483,\ 6-18=-465/918,\ 6-17=-2286/1523,\ 7-17=-1211/863,\ 15-17=-1065/758,\ 7-15=-557/934,\ 9-15=-1458/853,\ 9-14=-294/597,\ 9-14=-$ 10-14=-1013/420, 2-21=-585/888, 10-13=-13/337, 5-18=-876/628

WEBS NOTES

BOT CHORD

2-ply truss to be connected together with 10d (0.131"x3") nails as follows: 1)

Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc

Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc, 2x8 - 2 rows staggered at 0-9-0 oc. Web connected as follows: 2x4 - 1 row at 0-9-0 oc.

2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.

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

4) 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; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60

5) 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. 6)

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) Bearing at joint(s) 11 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 2111 lb uplift at joint 17, 773 lb uplift at joint 22 and 270 lb 9) uplift at joint 11

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

Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord. 11

"NAILED" indicates Girder: 3-10d (0.148" x 3") toe-nails per NDS guidelines. 12)

LOAD CASE(S) Standard

Dead + Roof Live (balanced): Lumber Increase=1.15. Plate Increase=1.15 1)

Uniform Loads (lb/ft)

Vert: 1-2=-60, 2-3=-60, 9-12=-60, 16-22=-20, 13-15=-20, 13-24=-20, 3-9=-60



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

verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-9.

Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 16-17.



Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR D ROOF
72501096	A1T	Truss	1	2	Job Reference (optional)

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Vert: 3=-39 (F), 19=-23 (F), 16=-36 (F), 8=-25 (F), 13=-26 (F), 21=-23 (F), 7=-39 (F), 27=-39 (F), 28=22 (F), 29=-23 (F), 30=-31 (F), 31=-46 (F), 32=-21 (F), 33=-23 (F), 34=-23 (F), 35=-23 (F), 36=-23 (F), 38=-23 (F), 39=-23 (F), 40=-23 (F), 41=-23 (F), 42=-23 (F), 43=-36 (F), 44=-36 (F), 45=-36 (F), 46=-123 (F), 47=-39 (F), 48=-30 (F), 49=-39 (F), 50=-39 (F), 51=-39 (F), 52=-39 (F), 53=-39 (F), 55=-39 (F), 55=







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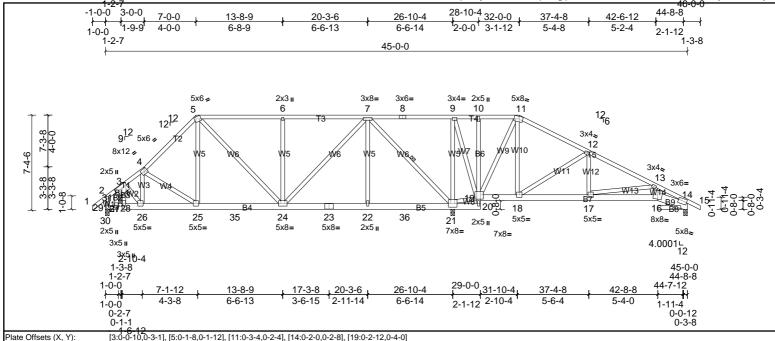
Structural wood sheathing directly applied or 5-9-5 oc purlins, except end

7-21

verticals, and 2-0-0 oc purlins (5-10-6 max.): 5-11.

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

1 Row at midpt



[3:0-0-10,0-3-1], [5:0-1-8,0-1-12], [11:0-3-4,0-2-4], [14:0-2-0,0-2-8], [19:0-2-12,0-4-0] Plate Offsets (X, Y):

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defI	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.68	Vert(LL)	0.03	16-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.28	Vert(CT)	-0.06	16-17	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.81	Horz(CT)	0.02	14	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH	l						Weight: 347 lb	FT = 20%

BOT CHORD

WFBS

LUMBER BRACING

TOP CHORD TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.3 *Except* B1,B8:2x4 SP No.2, B4,B7,B5:2x6 SP No.2, B9:2x8 SP No.2 2x4 SP No.3 WEBS

OTHERS 2x4 SP No.3

All bearings 0-3-8.

(lb) - Max Horiz 29=-215 (LC 8)

> Max Uplift All uplift 100 (lb) or less at joint(s) except 14=-120 (LC 11), 21=-282 (LC 6), 29=-162 (LC 6), 31=-180 (LC 7) Max Grav All reactions 250 (lb) or less at joint(s) 29 except 14=518 (LC 22),

21=2226 (LC 1), 31=963 (LC 21)

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

TOP CHORD 3 - 4 - 637/185, 4 - 5 - 872/250, 5 - 6 - 741/266, 6 - 7 - 741/266, 7 - 8 - 27/688, 8 - 9 - 27/688, 9 - 10 - 0/502, 10 - 11 - 0/497, 12 - 13 - 496/133, 13 - 14 - 1005/2113-31=-929/145, 25-26=-92/499, 25-35=-80/604, 24-35=-80/604, 23-24=-106/409, 22-33=-106/409, 22-36=-106/409, 21-36=-106/409, 17-18=0/390, 16-17=-150/864, 14-16=-138/875

BOT CHORD WEBS 3-26-91/716, 4-26-413/101, 6-24-430/207, 7-21-1344/290, 19-21-633/334, 9-19-82/568, 11-19-810/200, 11-18-63/416, 12-18-621/237, 12-17-9/324, 13-17-481/177, 12-18-621/237, 12-17-9/324, 13-17-481/177, 12-18-621/237,

7-22=0/312, 7-24=-138/618, 9-21=-889/246

NOTES

REACTIONS

- Unbalanced roof live loads have been considered for this design. 1)
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) 2) 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
 - Provide adequate drainage to prevent water ponding.
- 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 5) the bottom chord and any other members, with BCDL = 10.0psf
- 6) Bearing at joint(s) 14, 31 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 162 lb uplift at joint 29, 281 lb uplift at joint 21, 119 lb uplift at joint 14 and 180 lb uplift at joint 31.
- 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
- 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



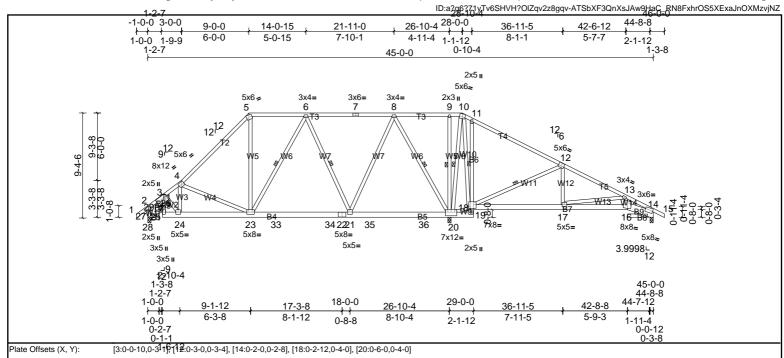






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LUMBER **BRACING**

BOT CHORD 2x4 SP No.3 *Except* B1,B8:2x4 SP No.2, B4,B7,B5:2x6 SP No.2, B9:2x8 SP No.2

Spacing

Code

Plate Grip DOL

Rep Stress Incr

Lumber DOL

2x4 SP No.3 WEBS **OTHERS** 2x4 SP No.3

REACTIONS

2x4 SP No.2

All bearings 0-3-8. (lb) - Max Horiz 27=-270 (LC 8)

(psf)

20.0

10.0

0.0

10.0

Max Uplift All uplift 100 (lb) or less at joint(s) except 14=-103 (LC 11), 20=-210 (LC

11), 27=-216 (LC 6), 29=-195 (LC 10)

All reactions 250 (lb) or less at joint(s) 27 except 14=447 (LC 22), Max Grav

20=2309 (LC 1), 29=979 (LC 17)

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

TOP CHORD 3 - 4 = -666/177, 4 - 5 = -888/240, 5 - 6 = -555/265, 6 - 7 = -481/203, 7 - 8 = -481/203, 8 - 9 = 0/627, 9 - 10 = 0/635, 10 - 11 = 0/478, 11 - 12 = -78/676, 12 - 13 = -316/84, 13 - 14 = -812/162BOT CHORD

CSI

Matrix-MSH

2-0-0

1.15 TC

1.15 BC

NO WB

IRC2015/TPI2014

3-29-958/130, 23-24-132/570, 23-33-129/625, 33-34-129/625, 22-34-129/625, 21-22-129/625, 21-35-163/295, 35-36-163/295, 20-36-163/295, 11-18-513/378,

16-17=-110/694, 14-16=-101/705 WEBS

4-24=-430/143, 5-23=-56/303, 6-21=-480/190, 8-21=-61/747, 8-20=-1205/312, 18-20=-558/486, 12-18=-799/295, 12-17=0/392, 13-17=-470/181, 10-18=-294/591, 10-20=-594/105,

DEFL

Vert(LL)

Vert(CT)

Horz(CT)

0.89

0.42

0.65

TOP CHORD

BOT CHORD

1 Row at midpt

WFBS

in

-0.06

-0.10

0.02

11-18

1 Row at midpt

(loc)

21-23

21-23

14

I/defl

>999

>999

n/a

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

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

L/d

240

180

n/a

3-24=-115/805

NOTES

Loading

TCDL

BCLL

BCDI

TCLL (roof)

TOP CHORD

- 1) 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) 2) 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) 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.
- 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, with BCDL = 10.0psf
- Bearing at joint(s) 14, 29 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing 6) surface
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 215 lb uplift at joint 27, 209 lb uplift at joint 20, 102 lb uplift at joint 14 and 195 lb uplift at joint 29
- 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/
- 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



PLATES

Weight: 358 lb

MT20

Structural wood sheathing directly applied or 4-5-2 oc purlins, except end

GRIP

244/190

FT = 20%

6-23, 6-21, 8-20, 12-18, 9-20, 10-20

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.





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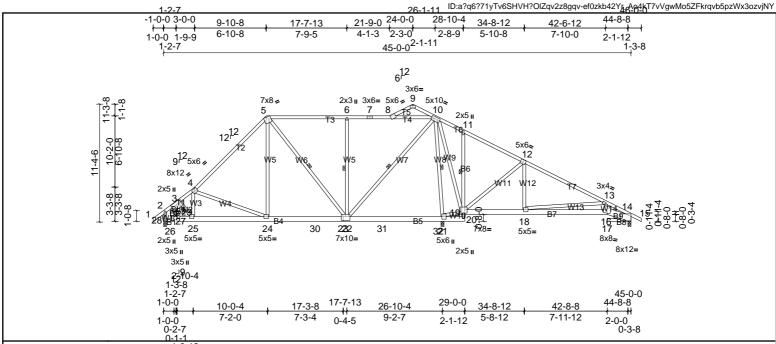


Plate Offsets (X, Y): [3:0-0-10,0-3-1], [4:662412,0-2-8], [5:0-2-11,Edge], [9:0-3-0,Edge], [12:0-3-0,0-3-4], [14:0-7-9,0-4-0], [19:0-2-12,0-4-0], [23:0-4-12,0-4-8]

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)	0.04	16-18	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.41	Vert(CT)	-0.10	16-18	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.96	Horz(CT)	0.02	14	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 356 lb	FT = 20%

LUMBER BRACING TOP CHORD

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.3 *Except* B1,B8:2x4 SP No.2, B5,B7,B4:2x6 SP No.2, B9:2x8 SP No.2

2x4 SP No.3 WEBS

OTHERS 2x4 SP No.3

All bearings 0-3-8. REACTIONS (lb) - Max Horiz 28=-310 (LC 8)

> Max Uplift All uplift 100 (lb) or less at joint(s) 14 except 21=-255 (LC 11), 28=-260

(LC 6), 29=-326 (LC 10)

Max Grav All reactions 250 (lb) or less at joint(s) 28 except 14=596 (LC 22),

21=2179 (LC 1), 29=1078 (LC 17)

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

3-4=-676/174. 4-5=-881/252. 5-6=-486/259. 6-7=-486/259. 7-8=-486/259. 8-10=-399/218. 10-11=0/480. 11-12=-13/465. 12-13=-372/69. 13-14=-1125/182

BOT CHORD 3-29=-1009/217, 24-25=-215/632, 24-30=-70/624, 23-30=-70/624, 22-23=-70/624, 22-31=-332/348, 31-32=-332/348, 21-32=-332/348, 16-18=-166/1037, 14-16=-141/1043 WEBS

 $3-25-218/867,\ 4-25-435/235,\ 5-24=0/317,\ 10-22-232/1064,\ 12-19-720/268,\ 12-18=0/413,\ 13-18-803/302,\ 19-21-544/440,\ 10-19-155/450,\ 6-22-538/257,\ 10-21-1731/472$

BOT CHORD

1 Row at midpt

WEBS

NOTES

- 1) 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) 2) 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
- 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. 4)
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf
- Bearing at joint(s) 14, 29 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing 6) surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14 except (jt=lb) 28=260, 21=254, 29=326
- 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/
- 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Structural wood sheathing directly applied, $\,$ except end verticals, and 2-0-0 $\,$

5-22, 10-22, 6-22, 10-21

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

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

11-19

1 Row at midpt

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.





7-9-0

3-3-8

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Jan 13 17:09:31 Page: 1 28-10-22 q6?71yTv6SHVH?OIZqv2z8gqv-ef0zkb4247-A04kT7vVgwMo7VFi?qyF5pzWx3ozvjNY -1-0-0 3-0-0 26-10-4 44-8-8 34-8-12 8-3-0 18-6-0 24-0-0 42-6-12 13-4-8 2-10-4 5-3-0 5-1-8 5-1-8 5-6-0 5-10-8 7-10-0 1-0-0 1-9-9 2-1-12 2-0-0 1-2-7 45-0-0 6¹² 2x5 II 3x5 5x6 = l N 6 12¹² 5x8 9¹²5x6 8x12 🚜 3x4 2x5 II 12_{3x6=} ³₩14 ọ W15 -15⁺¹ B539 16 35 2322 25 24 **′**2® 2926 5x5= 8x8≥ 5x5= 5x8= 5x8= 7x12= 4.0001<u></u> 5x8= 2x5 ı 3x5 II

29-0-0

34-8-12

5-8-12

10-17

26-10-4

26-6-5

0-0-11

0-3-15

Plate Offsets (X, Y): [3:0-0-10,0-3-1],1[40:0-2-0,0-3-0], [13:0-2-0,0-2-8], [17:0-2-12,0-4-0]

1-0-0

3x5 II 2290-4 -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	0.82	Vert(LL)	-0.11	20-21	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.53	Vert(CT)	-0.18	20-21	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.79	Horz(CT)	0.02	13	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 384 lb	FT = 20%

26-5-10

7-7-6

2x5=

18-10-3

18-8-12

0-4-8

18-4-4

1-0-12

17-3-8

8-10-12

LUMBER **BRACING** TOP CHORD

8-4-12

5-6-8

TOP CHORD 2x4 SP No.2 BOT CHORD 2x6 SP No.2 *Except* B1,B9:2x4 SP No.2, B2,B3,B7:2x4 SP No.3, B10:2x8 SP

No.2

WFBS 2x4 SP No 3

OTHERS 2x4 SP No.3 WFBS 1 Row at midpt 6-24, 6-22, 12-16, 9-19

WEBS 2 Rows at 1/3 pts 8-20 REACTIONS All bearings 0-3-8.

(lb) - Max Horiz 28=-284 (LC 8)

> All uplift 100 (lb) or less at joint(s) 13 except 19=-212 (LC 11), 28=-231 Max Uplift

(LC 6), 30=-320 (LC 10)

All reactions 250 (lb) or less at joint(s) 28 except 13=481 (LC 22),

19=2522 (LC 2), 30=1057 (LC 17)

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

TOP CHORD 3-4=-629/156, 4-5=-912/199, 5-6=-584/225, 6-7=-532/145, 7-8=-667/243, 8-9=0/756, 9-10=0/620, 10-11=-77/650, 12-13=-1057/182

BOT CHORD 3-30=-972/235, 24-25=-185/550, 24-34=-87/685, 34-35=-87/685, 23-35=-87/685, 22-23=-87/685, 22-23=-87/685, 22-23=-87/685, 36-37=-285/385, 19-37=-285/385, 15-16=-163/959, 13-15=-129/956 WEBS

 $3-25=-177/776,\ 4-25=-478/161,\ 5-24=-5/331,\ 6-22=-396/174,\ 7-22=-539/262,\ 21-22=-319/1175,\ 8-21=-269/1321,\ 17-19=-596/450,\ 11-17=-726/272,\ 11-16=0/410,\ 12-16=-865/350,\ 11-17=-726/272,\ 11-16=0/410,\ 12-16=-865/350,\ 11-17=-726/272,\ 11-16=0/410,\ 12-16=-865/350,\ 11-17=-726/272,\ 11-16=0/410,\ 12-16=-865/350,\ 11-17=-726/272,\ 11-16=0/410,\ 12-16=-865/350,\ 11-17=-726/272,\ 11-16=0/410,\ 12-16=-865/350,\ 11-17=-726/272,\ 11-16=0/410,\ 12-16=0/410,\$

BOT CHORD

1 Row at midpt

12-15=0/265, 9-19=-553/214, 9-17=-158/459, 8-20=-1525/286, 19-20=-1690/235

NOTES

- 1) 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) 2) 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
- Provide adequate drainage to prevent water ponding. 3)
- 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, with BCDL = 10.0psf
- 6) Bearing at joint(s) 13, 30 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 100 lb uplift at joint(s) 13 except (jt=lb) 28=230, 19=211, 30=319.
- 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/
- 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



45-0-0

0-0-12

Structural wood sheathing directly applied or 4-9-13 oc purlins, except end

verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-7.

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

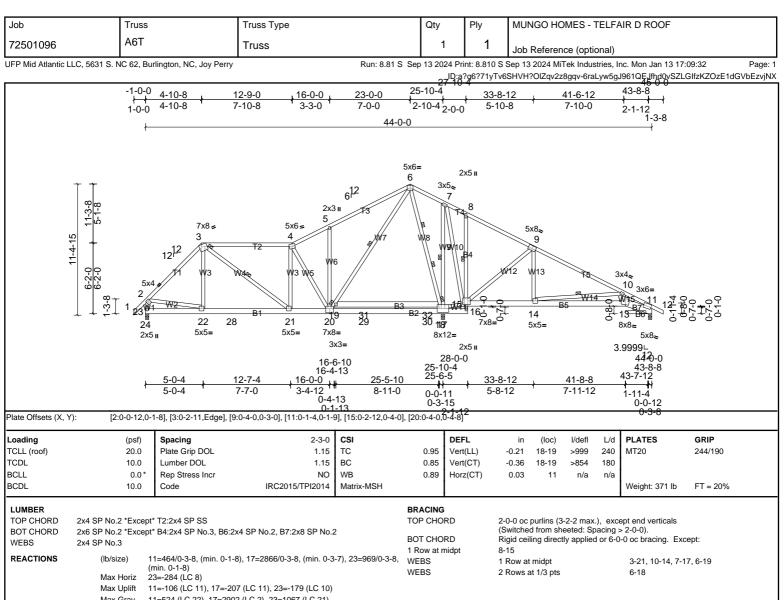
1-11-4

42-8-8

7-11-12







Max Grav 11=524 (LC 22), 17=2902 (LC 2), 23=1067 (LC 21)

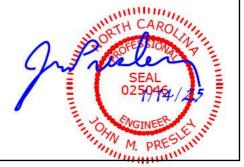
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

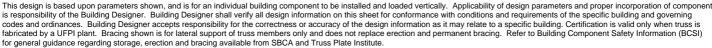
TOP CHORD $2-3=-1059/187,\ 3-4=-947/204,\ 4-5=-776/158,\ 5-6=-840/323,\ 6-7=0/933,\ 7-8=0/781,\ 8-9=-91/819,\ 10-11=-1145/211,\ 2-23=-1023/221$

BOT CHORD 22-23=-301/374, 22-28=-171/762, 21-28=-171/762, 20-21=-156/950, 20-29=-318/429, 29-30=-318/429, 17-30=-318/429, 13-14=-198/1040, 11-13=-160/1037 WEBS

 $3-21=-51/339,\ 4-20=-651/206,\ 15-17=-713/524,\ 7-15=-201/479,\ 9-15=-814/306,\ 10-14=-970/394,\ 2-22=-73/617,\ 10-13=0/290,\ 9-14=0/457,\ 7-17=-580/246,\ 6-18=-1775/367,\ 17-18=-1920/302,\ 19-20=-425/1304,\ 6-19=-362/1493,\ 5-20=-392/299$

- 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) 2) 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
- Provide adequate drainage to prevent water ponding. 3)
- 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 5)
- the bottom chord and any other members, with BCDL = 10.0psf
- Bearing at joint(s) 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing 6)
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 207 lb uplift at joint 17, 179 lb uplift at joint 23 and 106 lb uplift at joint 11.
- 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.
- 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



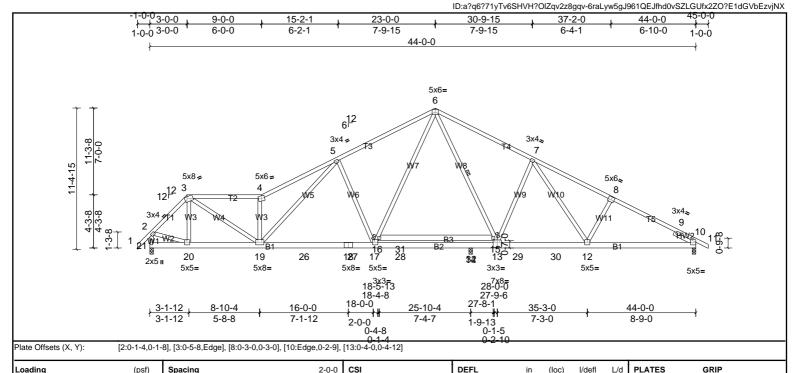






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Page: 1



0.93

0.99

0.89

Vert(LL)

Vert(CT)

Horz(CT)

-0.28

-0.54

0.05

15-16

15-16

10

>999

>574

n/a

240

180

n/a

MT20

Structural wood sheathing directly applied, except end verticals, and 2-0-0

Weight: 318 lb

244/190

FT = 20%

LUMBER **BRACING**

TOP CHORD 2x4 SP No.2 TOP CHORD BOT CHORD 2x6 SP No.1 *Except* B3:2x6 SP No.2

oc purlins (2-2-0 max.): 3-4 BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing. 2x4 SP No.3 WEBS WFBS 1 Row at midpt 6-15 SLIDER Right 2x4 SP No.3 -- 1-11-0

вс

Matrix-MSH

1.15 TC

1.15

YES WB

IRC2015/TPI2014

REACTIONS 10=1268/0-3-8, (min. 0-1-8), 14=1101/0-3-8, (min. 0-1-8), 21=1458/0-3-8, (lb/size)

21=-225 (LC 8)

Plate Grip DOL

Rep Stress Incr

Lumber DOL

Code

Max Horiz

Max Uplift 10=-184 (LC 11), 14=-36 (LC 10), 21=-205 (LC 10) 10=1268 (LC 1), 14=1261 (LC 2), 21=1458 (LC 1) Max Grav

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

TOP CHORD $2-3=-1419/334,\ 3-4=-2421/551,\ 4-5=-2819/714,\ 5-6=-1772/531,\ 6-7=-1252/461,\ 7-8=-1871/525,\ 8-9=-1997/494,\ 9-10=-673/0,\ 2-21=-1427/356$

BOT CHORD 19-20=-227/969, 19-26=-200/1791, 18-26=-200/1791, 18-27=-200/1791, 17-27=-200/1791, 17-28=0/1143, 14-28=0/1143, 13-14=0/1143, 13-29=-118/1290, 29-30=-118/1290,

12-30=-118/1290, 10-12=-305/1723 2-20 = -109/986, 8-12 = -280/220, 5-17 = -818/412, 6-15 = -264/161, 13-15 = -390/54, 7-13 = -752/388, 7-12 = -160/628, 5-19 = -268/1049, 3-19 = -331/1780, 16-17 = -237/907, 6-16 = -180/1101, 10-17 = -237/907,

4-19=-1517/476, 3-20=-259/78

NOTES

WEBS

3)

TCLL (roof)

TCDL

BCLL

BCDI

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

20.0

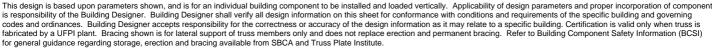
10.0

0.0

10.0

- 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) 2) 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
 - 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. 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 5) the bottom chord and any other members, with BCDL = 10.0psf
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 205 lb uplift at joint 21, 184 lb uplift at joint 10 and 36 lb uplift at joint 14.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.









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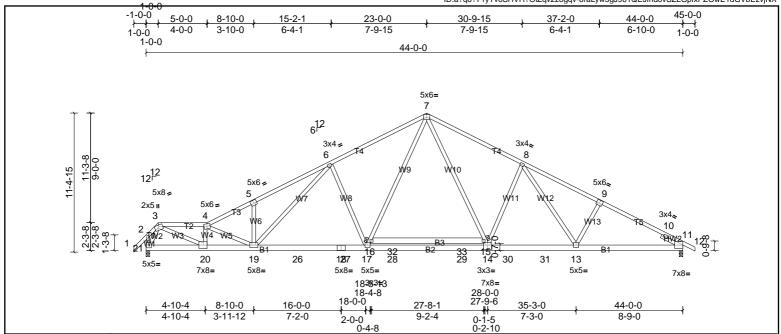


Plate Offsets (X, Y): [5:0-3-0,0-3-0], [9:0-3-0,0-3-0], [11:Edge,0-3-9], [14:0-4-0,0-4-8], [20:0-9-8,0-3-8], [21:0-1-12,0-2-12]

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	0.91	Vert(LL)	-0.38	15-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.97	Vert(CT)	-0.73	15-16	>718	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.89	Horz(CT)	0.12	11	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH	i						Weight: 315 lb	FT = 20%

LUMBER **BRACING** TOP CHORD

TOP CHORD 2x4 SP No.2 *Except* T5:2x4 SP No.1, T4:2x4 SP SS BOT CHORD 2x6 SP No.2

2x4 SP No.3 *Except* W3,W5:2x4 SP No.2 WEBS

SLIDER Right 2x4 SP No.3 -- 1-11-0

11=1913/0-3-8, (min. 0-2-5), 21=1914/0-3-8, (min. 0-2-5) REACTIONS (lb/size)

Max Horiz 21=-195 (LC 8)

Max Uplift 11=-195 (LC 11), 21=-220 (LC 10) Max Grav 11=1966 (LC 2), 21=1952 (LC 2)

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

TOP CHORD $2-3=-313/144,\ 3-4=-4108/846,\ 4-5=-4108/819,\ 5-6=-4144/946,\ 6-7=-3069/729,\ 7-8=-2963/715,\ 8-9=-3280/738,\ 9-10=-3416/707,\ 10-11=-1411/29,\ 2-21=-338/180$

20-21-239/895, 19-20-771/4237, 19-26-379/2952, 18-26-379/2952, 18-27-379/2952, 17-27-379/2952, 17-28-119/2253, 28-29-119/2253, 14-29-119/2253, 14-30-336/2755, 12-29-119/2253, 14-29-119/225BOT CHORD

30-31=-336/2755, 13-31=-336/2755, 11-13=-494/2984

3-20=-701/3639, 4-20=-1689/373, 4-19=-697/206, 6-19=-305/1072, 6-17=-820/423, 8-13=-111/363, 9-13=-258/216, 3-21=-1679/293, 16-17=-284/1138, 7-16=-232/1362, 3-21=-1679/293, 16-17=-284/1138, 3-21=-1679/293, 16-17=-284/138, 3-21=-1679/293, 16-17=-284/138, 3-21=-1679/293, 16-17=-284/138, 3-21=-1679/293, 16-17=-284/138, 3-21=-1679/293, 16-17=-284/138, 3-21=-1679/293, 16-17=-284/138, 3-21=-1679/293, 16-17=-284/138, 3-21=-1679/293, 16-17=-1679/293, 16-

BOT CHORD

7-15=-199/1127, 14-15=-250/899, 8-14=-629/363, 5-19=-306/216

WEBS 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) 2) exterior zone and C-C Exterior (2) -1-0-0 to 45-0-0 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
- 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. 4)
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between

the bottom chord and any other members, with BCDL = 10.0psf.

- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 220 lb uplift at joint 21 and 195 lb uplift at joint 11.
- 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/
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Structural wood sheathing directly applied, $\,$ except end verticals, and 2-0-0 $\,$

oc purlins (2-6-4 max.): 3-4

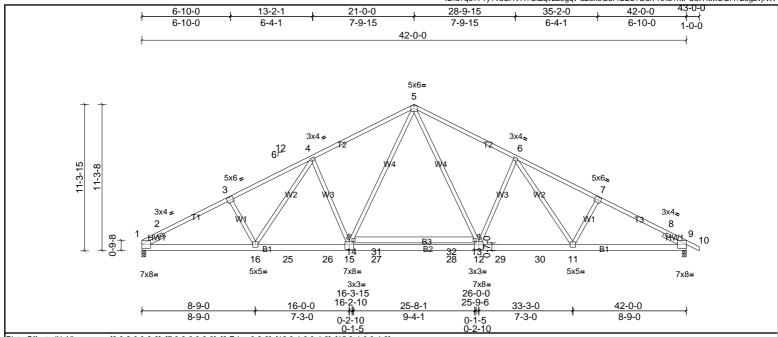
Rigid ceiling directly applied or 2-2-0 oc bracing.





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[3:0-3-0,0-3-0], [7:0-3-0,0-3-0], [9:Edge,0-3-9], [12:0-4-0,0-4-8], [15:0-4-0,0-4-8] Plate Offsets (X, Y):

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	1.00	Vert(LL)	-0.35	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.92	Vert(CT)	-0.66	13-14	>765	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.12	9	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH	i						Weight: 289 lb	FT = 20%
				1	1							

LUMBER **BRACING**

TOP CHORD TOP CHORD 2x4 SP No.1 Structural wood sheathing directly applied. BOT CHORD **BOT CHORD** 2x6 SP No.2 Rigid ceiling directly applied or 2-2-0 oc bracing.

2x4 SP No.3 WEBS

SLIDER Left 2x4 SP No.3 -- 1-11-0, Right 2x4 SP No.3 -- 1-11-0

REACTIONS 1=1776/0-3-8, (min. 0-2-3), 9=1837/0-3-8, (min. 0-2-4) (lb/size)

> Max Horiz 1=-200 (LC 15)

Max Uplift 1=-170 (LC 10), 9=-193 (LC 11) Max Grav 1=1832 (LC 2), 9=1883 (LC 2)

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

TOP CHORD 1-2=-1590/41, 2-3=-3255/680, 3-4=-3134/711, 4-5=-2789/680, 5-6=-2788/680, 6-7=-3129/706, 7-8=-3250/675, 8-9=-1345/14

BOT CHORD 1-16=-471/2843, 16-25=-306/2602, 25-26=-306/2602, 15-26=-306/2602, 15-27=-99/2130, 27-28=-99/2130, 12-28=-99/2130, 12-29=-305/2600, 29-30=-305/2600, 11-30=-305/

3-16-263/218, 14-15-245/904, 5-14-196/1144, 6-12-631/365, 6-11-113/370, 7-11-261/217, 4-16-118/376, 5-13-195/1143, 12-13-244/903, 4-15-634/367, 12-13-244/903, 12-14-244/903, 12-14-244/903, 12-14-244/903, 12-14-244/903, 12-14-244/903, 12-14-244/

WEBS NOTES

- Unbalanced roof live loads have been considered for this design. 1)
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) 2) 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 170 lb uplift at joint 1 and 193 lb uplift at joint 9. 5)
- 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/







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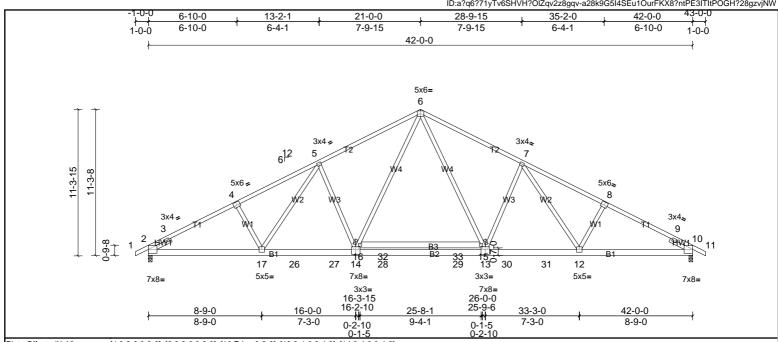


Plate Offsets (X, Y): [4:0-3-0,0-3-0], [8:0-3-0,0-3-0], [10:Edge,0-3-9], [13:0-4-0,0-4-8], [14:0-4-0,0-4-8]

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	1.00	Vert(LL)	-0.35	15-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.92	Vert(CT)	-0.66	15-16	>765	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.12	10	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH	l						Weight: 291 lb	FT = 20%

LUMBER **BRACING**

TOP CHORD TOP CHORD 2x4 SP No.1 Structural wood sheathing directly applied. BOT CHORD BOT CHORD 2x6 SP No.2 Rigid ceiling directly applied or 2-2-0 oc bracing.

2x4 SP No.3 WEBS

SLIDER Left 2x4 SP No.3 -- 1-11-0, Right 2x4 SP No.3 -- 1-11-0

REACTIONS 2=1837/0-3-8, (min. 0-2-4), 10=1837/0-3-8, (min. 0-2-4) (lb/size)

Max Horiz 2=192 (LC 10)

Max Uplift 2=-193 (LC 10), 10=-193 (LC 11) Max Grav 2=1882 (LC 2), 10=1882 (LC 2)

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

TOP CHORD 2-3-1587/13, 3-4-3249/674, 4-5-3128/705, 5-6-2787/679, 6-7-2787/679, 7-8-3128/705, 8-9-3249/674, 9-10-1345/13, 3-12-3249/674, 3-12-3249/6

2-17 = -465/2837, 17-26 = -304/2599, 26-27 = -304/2599, 14-27 = -304/2599, 14-28 = -97/2129, 28-29 = -97/2129, 13-29 = -97/2129, 13-30 = -304/2599, 30-31 = -304/2599, 12-31 = -304/25BOT CHORD

4-17=-261/217, 5-17=-113/370, 5-14=-631/365, 14-16=-244/903, 6-16=-194/1143, 6-15=-194/1143, 13-15=-244/903, 7-13=-631/365, 7-12=-113/370, 8-12=-261/217, 5-17=-113/370, 5-14=-631/365, 7-12=-113/370, 7-12=-113/370,

WEBS NOTES

- Unbalanced roof live loads have been considered for this design. 1)
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) 2) 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 193 lb uplift at joint 2 and 193 lb uplift at joint 10. 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/ 6)







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PLATES

Weight: 290 lb

MT20

GRIP

244/190

FT = 20%

I/defl

>999

>757

n/a

in (loc)

13-14

13-14

8

-0.36

-0.68

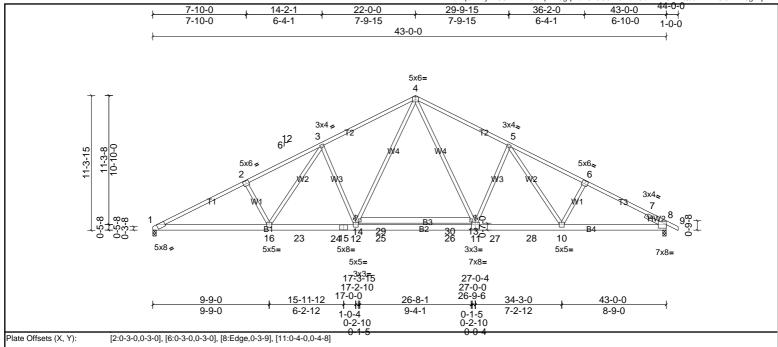
0.13

L/d

240

180

n/a



DEFL

Vert(LL)

Vert(CT)

Horz(CT)

0.96

0.97

0.82

LUMBER **BRACING**

TOP CHORD 2x4 SP SS *Except* T3:2x4 SP No.1, T1:2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied. BOT CHORD BOT CHORD 2x6 SP No.2 Rigid ceiling directly applied or 2-2-0 oc bracing.

CSI

вс

Matrix-MSH

2-0-0

1.15 TC

1.15

YES WB

IRC2015/TPI2014

2x4 SP No.3 WEBS

SLIDER Right 2x4 SP No.3 -- 1-11-0

Code

Spacing

Plate Grip DOL

Rep Stress Incr

Lumber DOL

REACTIONS 1=1808/0-3-8, (min. 0-2-3), 8=1873/0-3-8, (min. 0-2-4) (lb/size)

Max Horiz 1=-196 (LC 15)

(psf)

20.0

10.0

0.0

10.0

Max Uplift 1=-180 (LC 10), 8=-193 (LC 11) Max Grav 1=1854 (LC 2), 8=1920 (LC 2)

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

TOP CHORD 1-2=-3677/761, 2-3=-3519/790, 3-4=-2904/704, 4-5=-2872/697, 5-6=-3187/721, 6-7=-3323/691, 7-8=-1375/21

BOT CHORD 1-16=-554/3227, 16-23=-338/2760, 23-24=-338/2760, 15-24=-338/2760, 12-15=-338/2760, 12-25=-111/2192, 25-26=-111/2192, 11-26=-111/2192, 11-27=-319/2672, 27-2810-28=-319/2672, 8-10=-479/2902

WEBS $2-16=-364/252,\ 3-16=-186/661,\ 3-12=-754/393,\ 12-14=-263/982,\ 4-14=-213/1222,\ 4-13=-196/1150,\ 11-13=-247/914,\ 5-11=-628/364,\ 5-10=-114/362,\ 6-10=-260/216$

NOTES

Loading

TCDL

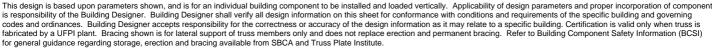
BCLL

BCDI

TCLL (roof)

- Unbalanced roof live loads have been considered for this design. 1)
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) 2) 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 180 lb uplift at joint 1 and 193 lb uplift at joint 8. 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/ 6)









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 $ID: a?q6?71yTv6SHVH?OIZqv2z8gqv-2Ei6Mc6wrmMlfYT2p13NX_QbASfo1QuXVxlbg7zvjNV\\$ 44-0-0 6-5-3 12-6-14 18-0-0 26-0-0 31-5-2 37-6-12 43-0-0 6-1-10 8-0-0 6-1-10 6-5-3 5-5-2 5-5-2 5-5-4 1-0-0 43-0-0 5x6= 5x8≥ 5 6 3x4 = 3x4s 612 3x6 = 3x6 3 9-3-8 2x3. 2x3 4 2 9 3x4 10 THW2 18 26 17 16 27 15 14 29 13 25 28 5x8 🚅 5x5= 5x8: 5x8= 5x5= 5x5= 5x8₁ 5x8= 9-2-8 18-1-12 25-10-4 34-9-8 43-0-0 9-2-8 8-11-4 7-8-8 8-11-4 8-2-8

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

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	0.92	Vert(LL)	-0.21	13-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.85	Vert(CT)	-0.41	13-15	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.12	11	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 272 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2 *Except* T3:2x4 SP SS

BOT CHORD 2x6 SP No.2

WEBS 2x4 SP No.3 SLIDER Right 2x4 SP No.3 -- 1-11-0

REACTIONS (lb/size) 1=1713/0-3-8, (min. 0-2-0), 11=1775/0-3-8, (min. 0-2-2)

Max Horiz 1=-161 (LC 15)

Max Uplift 1=-207 (LC 10), 11=-222 (LC 11)

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

TOP CHORD 1-2=-3368/886, 2-3=-3135/830, 3-4=-3050/848, 4-5=-2334/718, 5-6=-2035/687, 6-7=-2329/712, 7-8=-2762/770, 8-9=-2836/752, 9-10=-3002/795, 10-11=-1228/199

1-18=-690/2974, 18-25=-474/2461, 25-26=-474/2461, 17-26=-474/2461, 16-17=-474/2461, 16-27=-266/2034, 15-27=-266/2034, 14-15=-444/2342, 14-28=-444/2342, 28-29

BRACING

TOP CHORD

BOT CHORD

WFBS

13-29=-444/2342, 11-13=-593/2621

2-18=-360/248, 4-18=-96/575, 4-16=-660/305, 5-16=-117/682, 6-15=-110/699, 7-15=-529/269, 7-13=-32/359

WEBS NOTES

BOT CHORD

- 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
- Provide adequate drainage to prevent water ponding.
- 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, with BCDL = 10.0psf.

 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 207 lb uplift at joint 1 and 222 lb uplift at joint 11.
- 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/
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Structural wood sheathing directly applied or 2-2-0 oc purlins, except

4-16, 6-16, 7-15

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

1 Row at midpt

Rigid ceiling directly applied or 8-9-2 oc bracing.







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Structural wood sheathing directly applied, except

Rigid ceiling directly applied or 2-2-0 oc bracing.

2-0-0 oc purlins (3-2-14 max.): 3-5

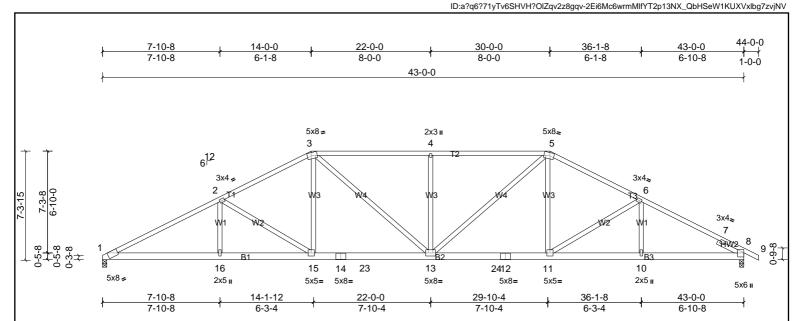


Plate Offsets (X, Y):	[1:0-7-8,Edge], [3:0-3-4,0-2-4], [5:0-3-4,0-2-4]
riale Olisels (A, 1).	[1.0-7-0,Eugel, [3.0-3-4,0-2-4], [3.0-3-4,0-2-4]

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	0.91	Vert(LL)	-0.19	13-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.93	Vert(CT)	-0.38	13-15	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.12	8	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH		•					Weight: 263 lb	FT = 20%

TOP CHORD

BOT CHORD

LUMBER BRACING

TOP CHORD 2x4 SP No.2 *Except* T2:2x4 SP SS BOT CHORD 2x6 SP No.2

2x4 SP No.3 WEBS

SLIDER Right 2x4 SP No.3 -- 1-11-0

REACTIONS 1=1713/0-3-8, (min. 0-2-0), 8=1775/0-3-8, (min. 0-2-2) (lb/size)

1=-126 (LC 15) Max Horiz

Max Uplift 1=-170 (LC 10), 8=-183 (LC 11)

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

 $1-2=-3353/830,\ 2-3=-2711/731,\ 3-4=-2720/787,\ 4-5=-2720/787,\ 5-6=-2626/708,\ 6-7=-2951/741,\ 7-8=-1237/91$

BOT CHORD 1-16 = -617/2923, 15-16 = -617/2923, 14-15 = -375/2351, 14-23 = -375/2351, 13-24 = -357/2281, 12-24 = -357/2281, 11-12 = -357/2281, 10-11 = -526/2570, 8-10 = -526/2570WFBS

2-16=0/322, 2-15=-684/285, 3-15=-59/534, 3-13=-176/630, 4-13=-554/266, 5-13=-180/710, 5-11=-27/450, 6-11=-365/210

- 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) 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 5)
- the bottom chord and any other members, with BCDL = 10.0psf.

 Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 170 lb uplift at joint 1 and 183 lb uplift at joint 8. 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/ 7)
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.





Job MUNGO HOMES - TELFAIR D ROOF Truss Truss Type Qty Ply A13 2 72501096 1 Truss Job Reference (optional)

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

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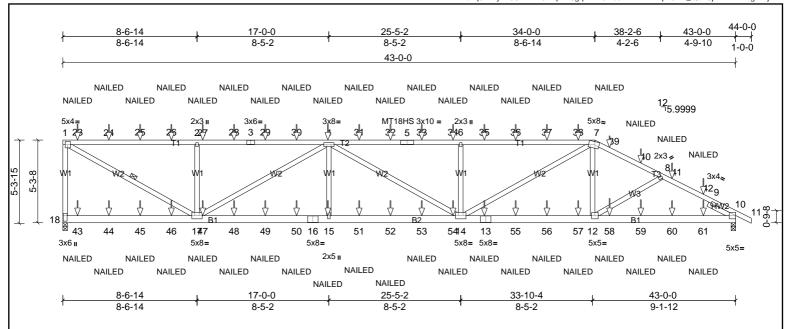


Plate Offsets (X, Y): [1:0-1-12,0-2-8], [7:0-3-4,0-2-4], [10:Edge,0-2-9], [18:0-4-4,0-1-8]

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	0.97	Vert(LL)	0.40	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.62	Vert(CT)	-0.39	14-15	>999	180	MT18HS	244/190
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.81	Horz(CT)	-0.08	10	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 534 lb	FT = 20%

LUMBER TOP CHORD 2x4 SP SS *Except* T3,T2:2x4 SP No.2

BOT CHORD 2x6 SP No.2

2x4 SP No.3 WEBS SLIDER

Right 2x4 SP No.3 -- 1-11-0 REACTIONS 10=2484/0-3-8, (min. 0-1-8), 18=2402/0-3-8, (min. 0-1-9)

(lb/size)

18=-207 (LC 6) Max Horiz

> Max Uplift 10=-1467 (LC 4), 18=-1805 (LC 4) Max Grav

10=2563 (LC 17), 18=2628 (LC 17)

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

3-29-3799/2593, 29-30-3799/2593, 4-30-3799/2593, 4-31-5721/3850, 31-32-5721/3850, 5-32-5721/3850, 5-33-5721/3850, 33-34-5721/3850, 6-34-5721/380, 6-34-5721/380, 6-34-5721/380, 6-34-5721/380, 6-34-5721/380 $6-35=-5721/3850,\ 35-36=-5721/3850,\ 36-37=-5721/3850,\ 37-38=-5721/3850,\ 7-38=-5721/3850,\ 7-39=-4297/2829,\ 39-40=-4395/2827,\ 8-40=-4420/2829,\ 8-41=-4425/2794,\ 8-40=-4420/2829,\ 8-41=-4425/2794,\ 8-40=-4420/2829,\ 8-41=-4425/2794,\ 8-40=-4420/2829,\ 8-41=-4425/2794,\ 8-40=-4420/2829,\ 8-41=-4425/2794,\ 8-40=-4420/2829,\ 8-40=-$

BRACING

TOP CHORD

BOT CHORD

WFBS

41-42=-4485/2798, 9-42=-4513/2813, 9-10=-2138/1138

17-47=-3728/5651, 47-48=-3728/5651, 48-49=-3728/5651, 49-50=-3728/5651, 16-50=-3728/5651, 15-16=-3728/5651, 15-51=-3728/5651, 51-52=-3728/5651, 52-53=-3728/5651, 53-54=-3728/5651, 14-54=-3728/5651, 13-14=-2472/3982, 13-55=-2472/3982, 55-56=-2472/3982, 56-57=-2472/3982, 12-57=-2472/3982, 12-58=-2409/3948, 58-59=-240

59-60=-2409/3948, 60-61=-2409/3948, 10-61=-2409/3948 1-17=-2930/4283, 2-17=-775/746, 4-17=-2092/1434, 4-15=-35/464, 6-14=-774/747, 7-14=-1498/2066, 7-12=-184/456, 1-17=-2092/1434, 1-17=-2092/14

WFBS NOTES

BOT CHORD

2-ply truss to be connected together with 10d (0.131"x3") nails as follows: 1)

Top chords connected as follows: 2x4 - 1 row 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 2) have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 3) Unbalanced roof live loads have been considered for this design.
- 4)
- 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; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 5) Provide adequate drainage to prevent water ponding.
- 6) 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. 7)
- 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1805 lb uplift at joint 18 and 1467 lb uplift at joint 10
- 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
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord. 11)
- 12 "NAILED" indicates Girder: 3-10d (0.148" x 3") toe-nails per NDS guidelines.

LOAD CASE(S) Standard

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

Vert: 1-7=-60, 7-11=-60, 18-19=-20

Concentrated Loads (lb)



Structural wood sheathing directly applied or 5-1-8 oc purlins, except end

1-17

verticals, and 2-0-0 oc purlins (4-6-4 max.): 1-7.

Rigid ceiling directly applied or 8-4-5 oc bracing.

1 Row at midpt





Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR D ROOF
72501096	A13	Truss	1	2	Job Reference (optional)

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Page: 2

Vert: 4=-39 (B), 15=-23 (B), 13=-23 (B), 23=-45 (B), 24=-39 (B), 25=-39 (B), 26=-39 (B), 27=-39 (B), 28=-39 (B), 29=-39 (B), 30=-39 (B), 31=-39 (B), 32=-39 (B), 32=-39 (B), 32=-39 (B), 36=-39 (B), 36=-39 (B), 37=-39 (B), 38=-39 (B), 40=-11 (B), 41=-40 (B), 42=-46 (B), 43=-25 (B), 44=-23 (B), 45=-23 (B), 46=-23 (B), 47=-23 (B), 48=-23 (B), 49=-23 (B), 50=-23 (B), 51=-23 (B), 52=-23 (B), 53=-23 (B), 54=-23 (B), 55=-23 (B), 55=-23 (B), 55=-23 (B), 55=-23 (B), 55=-23 (B), 55=-23 (B), 56=-23 (B), 56=-23 (B), 50=-23 (B), 5





Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR D ROOF
72501096	A14	Truss	2	1	Job Reference (optional)

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Page: 1 $ID: 3 oq IIF_u_1 bRK_p1ya5TuJyJDRe-?dqsnl8BNNcTvrdQwS5rdPV4hGW0VOsqyFEik?zvjNTrdQwS5rdPV4hGW0VOsqyFeik?zvjNTrdQwS5rdPV4hGW0VOsqyFeik?zvjNTrdQwS5rdPV4hGW0VOsqyFeik?zvjNTrdQwS5rdPV4hGW0VOsqyFeik?zvjNTrdQwS5rdPV4hGW0VOsqyFeik?zvjNTrdQwS5rdPV4hQwS0V0sqyFeik?zvjNTrdQwS5rdPV4hQW0VOsqyFeik?zvjNTrdQwS5rdPV4hQW0$

Structural wood sheathing directly applied or 1-0-0 oc purlins, except end

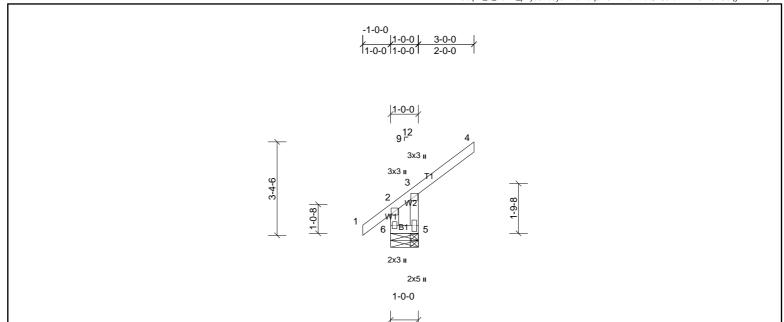


Plate Offsets (X, Y): [5:0-2-12,0-1-0]

_													
Loa	iding	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defI	L/d	PLATES	GRIP
TCL	_L (roof)	20.0	Plate Grip DOL	1.15	TC	0.34	Vert(LL)	0.00	5-6	>999	240	MT20	244/190
TCI	DL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	0.00	5-6	>999	180		
BCI	LL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	5	n/a	n/a		
BCI	DL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 12 lb	FT = 20%

LUMBER **BRACING**

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

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. 2x4 SP No.3 WEBS

REACTIONS (lb/size) 5=296/1-0-0, (min. 0-1-8), 6=-42/1-0-0, (min. 0-1-8) Max Horiz 6=112 (LC 7)

5=-333 (LC 7), 6=-118 (LC 6) Max Uplift Max Grav 5=322 (LC 17), 6=294 (LC 7)

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

TOP CHORD 2-3=-299/142, 3-5=-300/493, 2-6=-297/107

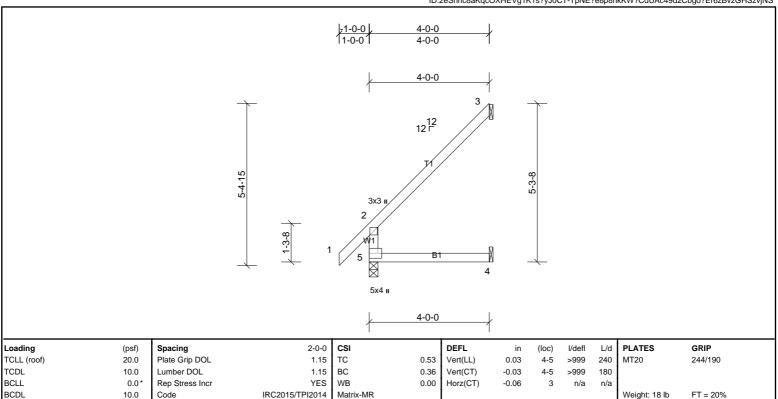
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 118 lb uplift at joint 6 and 333 lb uplift at joint 5.
- 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 D ROOF
72501096	EJ1	Truss	29	1	Job Reference (optional)

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LUMBER BRACING

TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins, except end BOT CHORD 2x4 SP No.2 **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc bracing. WEBS 2x4 SP No.3

REACTIONS (lb/size) 3=99/ Mechanical, (min. 0-1-8), 4=43/ Mechanical, (min. 0-1-8),

5=231/0-3-8, (min. 0-1-8) 5=178 (LC 10)

Max Horiz Max Uplift 3=-132 (LC 10), 4=-18 (LC 10)

Max Grav

3=126 (LC 17), 4=73 (LC 3), 5=231 (LC 1) FORCES

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) 2) 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.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 132 lb uplift at joint 3 and 18 lb uplift at joint 4.

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

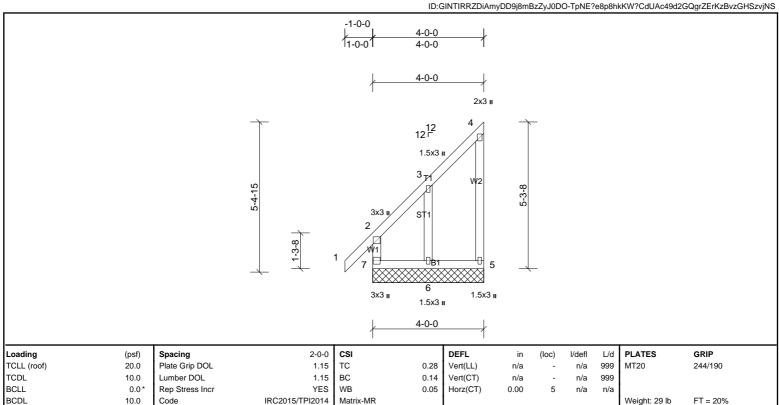
6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/







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LUMBER BRACING

TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins, except end BOT CHORD 2x4 SP No.2 **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc bracing WEBS 2x4 SP No.3

REACTIONS (lb/size) 5=63/4-0-0, (min. 0-1-8), 6=149/4-0-0, (min. 0-1-8), 7=153/4-0-0, (min. 0-1-8)

Max Horiz 7=207 (LC 7)

5=-44 (LC 9), 6=-205 (LC 10), 7=-81 (LC 6) Max Uplift 5=82 (LC 17), 6=233 (LC 17), 7=242 (LC 18) Max Grav

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

NOTES

OTHERS

- Unbalanced roof live loads have been considered for this design. 1)
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) 2) 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)
- Gable requires continuous bottom chord bearing 4)

2x4 SP No.3

- 5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web)
- 6) Gable studs spaced at 2-0-0 oc.

TPI 1.

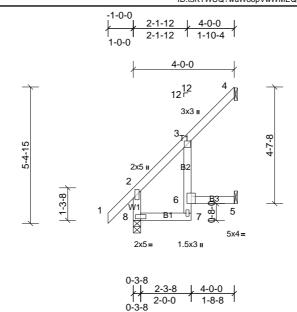
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between
- the bottom chord and any other members 9)
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 81 lb uplift at joint 7, 44 lb uplift at joint 5 and 205 lb uplift at joint 6. 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/





Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR D ROOF
72501096	EJ1T	Truss	4	1	Job Reference (optional)

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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	0.30	Vert(LL)	0.03	7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.36	Vert(CT)	-0.03	7	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.04	4	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 22 lb	FT = 20%

LUMBER BRACING

TOP CHORD 2x4 SP No.2 TOP CHORD

Structural wood sheathing directly applied or 4-0-0 oc purlins, except end BOT CHORD 2x4 SP No.2 *Except* B2:2x4 SP No.3 verticals Rigid ceiling directly applied or 10-0-0 oc bracing.

BOT CHORD WEBS 2x4 SP No.3

REACTIONS (lb/size) 4=85/ Mechanical, (min. 0-1-8), 5=56/ Mechanical, (min. 0-1-8),

8=231/0-3-8, (min. 0-1-8)

Max Horiz 8=178 (LC 10)

Max Uplift 4=-97 (LC 10), 5=-54 (LC 10) 4=106 (LC 17), 5=75 (LC 17), 8=231 (LC 1) Max Grav

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

- 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) 2) 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.
- * 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 4) the bottom chord and any other members.
- 5) Bearing at joint(s) 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 97 lb uplift at joint 4 and 54 lb uplift at joint 5.
- 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/

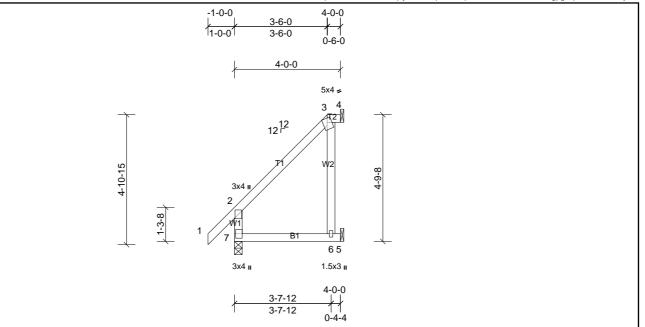




Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR D ROOF
72501096	EJ2	Truss	1	1	Job Reference (optional)

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riate Offsets (A, 1).	[7.0-2-0,0-0-	oj 											
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	0.38	Vert(LL)	0.04	6-7	>999	240	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15	BC	0.26	Vert(CT)	-0.04	6-7	>999	180			
BCLL	0.0*	Rep Stress Incr	YES	WB	0.12	Horz(CT)	-0.06	4	n/a	n/a			
BCDI	10.0	Code	IRC2015/TPI2014	Matrix-MP		1					Weight: 24 lb	FT = 20%	

LUMBER BRACING

TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-**BOT CHORD** 2x4 SP No.2

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. 2x4 SP No.3 WEBS

IRC2015/TPI2014 | Matrix-MP

REACTIONS (lb/size) 4=-30/ Mechanical, (min. 0-1-8), 5=171/ Mechanical, (min. 0-1-8),

7=231/0-3-8, (min. 0-1-8) 7=162 (LC 10) Max Horiz

Max Unlift 4=-62 (LC 17), 5=-239 (LC 10)

Max Grav 4=115 (LC 10), 5=224 (LC 17), 7=231 (LC 1)

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

WEBS 3-6=-300/287

NOTES

Dioto Offosto (V. V)

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

[7·0 2 0 0 0 0]

- 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) 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.
- 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 62 lb uplift at joint 4 and 239 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/ 7)
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

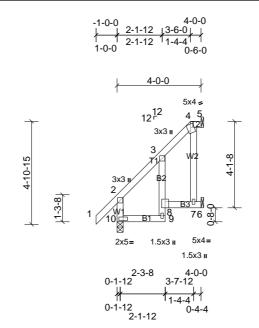


Weight: 24 lb



Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR D ROOF
72501096	EJ2T	Truss	1	1	Job Reference (optional)

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Loading (psf)) s	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0) P	Plate Grip DOL	1.15	TC	0.29	Vert(LL)	0.03	7-8	>999	240	MT20	244/190
TCDL 10.0) L	Lumber DOL	1.15	BC	0.30	Vert(CT)	-0.03	7-8	>999	180		
BCLL 0.0)* R	Rep Stress Incr	YES	WB	0.05	Horz(CT)	-0.04	5	n/a	n/a		
BCDL 10.0		Code	IRC2015/TPI2014	Matrix-MSH	I						Weight: 27 lb	FT = 20%

BOT CHORD

LUMBER BRACING TOP CHORD

TOP CHORD 2x4 SP No.2

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

WEBS 2x4 SP No.3

REACTIONS (lb/size) 5=-2/ Mechanical, (min. 0-1-8), 6=143/ Mechanical, (min. 0-1-8),

10=231/0-3-8, (min. 0-1-8) 10=162 (LC 10)

Max Horiz Max Uplift 5=-21 (LC 8), 6=-147 (LC 10)

5=22 (LC 10), 6=178 (LC 17), 10=231 (LC 1) Max Grav

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) 2) 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) 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. 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 5)
- the bottom chord and any other members. 6) Bearing at joint(s) 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 21 lb uplift at joint 5 and 147 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. 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



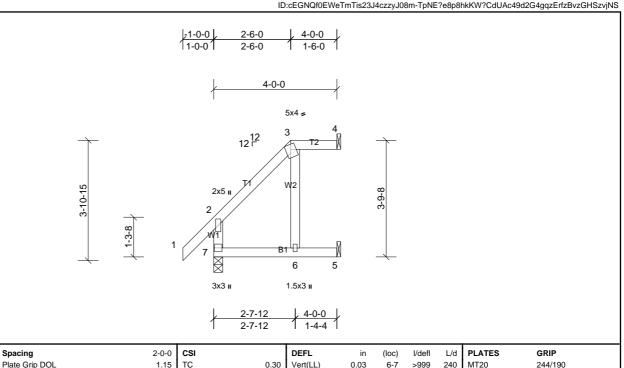
Structural wood sheathing directly applied or 4-0-0 oc purlins, except end

verticals, and 2-0-0 oc purlins: 4-5.
Rigid ceiling directly applied or 10-0-0 oc bracing.



Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR D ROOF
72501096	EJ3	Truss	1	1	Job Reference (optional)

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LUMBER BRACING

TOP CHORD 2x4 SP No.2 TOP CHORD

BOT CHORD 2x4 SP No.2 verticals, and 2-0-0 oc purlins: 3-4.
WEBS 2x4 SP No.3 BOT CHORD rejude or 6-0-0 oc bracing.

Matrix-MP

0.24

0.03

Vert(CT)

Horz(CT)

-0.04

-0.07

6-7

>999

n/a n/a

180

Weight: 22 lb

Structural wood sheathing directly applied or 4-0-0 oc purlins, except end

FT = 20%

1.15 BC

YES WB

IRC2015/TPI2014

REACTIONS (lb/size) 4=69/ Mechanical, (min. 0-1-8), 5=72/ Mechanical, (min. 0-1-8), 7=231/0-3-8. (min. 0-1-8)

Lumber DOL

Code

Rep Stress Incr

Max Horiz 7=122 (LC 10)

Max Uplift 4=-29 (LC 7), 5=-48 (LC 10)

Max Grav 4=69 (LC 1), 5=78 (LC 17), 7=231 (LC 1)

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

NOTES

Loading

TCDL

BCLL

BCDL

TCLL (roof)

Unbalanced roof live loads have been considered for this design.

(psf)

20.0

10.0

0.0

10.0

- 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) Provide adequate drainage to prevent water ponding.
- 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 29 lb uplift at joint 4 and 48 lb uplift at joint 5.
- 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.





Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR D ROOF
72501096	EJ3T	Truss	1	1	Job Reference (optional)

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Structural wood sheathing directly applied or 4-0-0 oc purlins, except end

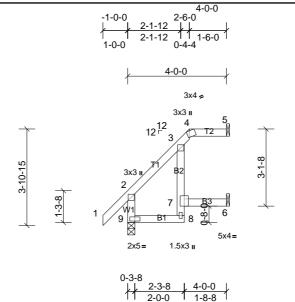


Plate Offsets (X, Y):	[4:0-0-11,Ed	ge]										
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.25	Vert(LL)	0.03	8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.29	Vert(CT)	-0.03	8	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.05	5	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 22 lb	FT = 20%

LUMBER **BRACING**

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

verticals, and 2-0-0 oc purlins: 4-5 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. WEBS 2x4 SP No.3

REACTIONS (lb/size) 5=83/ Mechanical, (min. 0-1-8), 6=59/ Mechanical, (min. 0-1-8),

9=231/0-3-8, (min. 0-1-8) Max Horiz 9=122 (LC 10)

Max Unlift 5=-38 (LC 7), 6=-34 (LC 10)

Max Grav 5=83 (LC 1), 6=66 (LC 3), 9=231 (LC 1)

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

- Unbalanced roof live loads have been considered for this design. 1)
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) 2) 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) 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. 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 5)
- the bottom chord and any other members.
- 6) 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 38 lb uplift at joint 5 and 34 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/
- 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.





Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR D ROOF
72501096	EJ4	Truss	1	1	Job Reference (optional)

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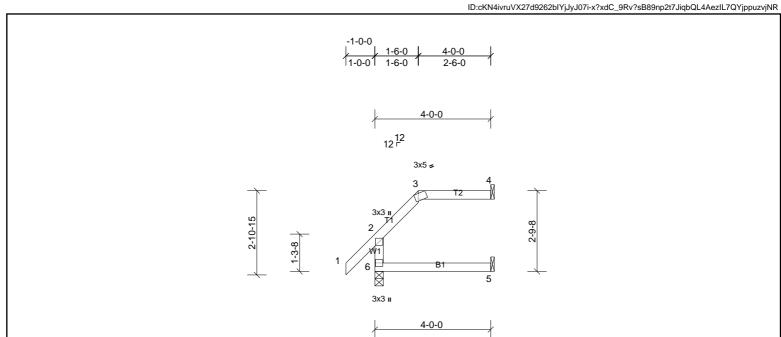


Plate Offsets (X, Y): [3:	:0-1-3,Edge]
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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defI	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	0.02	5-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.21	Vert(CT)	-0.02	5-6	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.06	4	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 17 lb	FT = 20%

BRACING

2x4 SP No.2 TOP CHORD

verticals, and 2-0-0 oc purlins: 3-2x4 SP No.2 **BOT CHORD** BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. 2x4 SP No.3 WEBS

REACTIONS (lb/size) 4=100/ Mechanical, (min. 0-1-8), 5=41/ Mechanical, (min. 0-1-8),

6=231/0-3-8, (min. 0-1-8) Max Horiz 6=82 (LC 10)

Max Unlift 4=-54 (LC 7), 6=-17 (LC 10)

Max Grav 4=100 (LC 1), 5=72 (LC 3), 6=231 (LC 1)

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

NOTES

LUMBER

TOP CHORD

- Unbalanced roof live loads have been considered for this design. 1)
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) 2) 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) 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. 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 5)
- the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 17 lb uplift at joint 6 and 54 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
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Structural wood sheathing directly applied or 4-0-0 oc purlins, except end



Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR D ROOF
72501096	EJ4T	Truss	1	1	Job Reference (optional)

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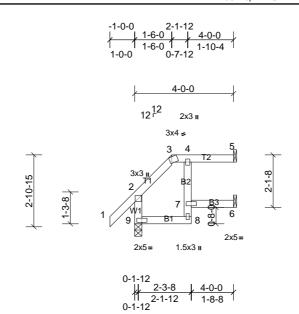


Plate Offsets (X, Y):	ate Offsets (X, Y): [3:0-0-11,Edge]														
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP			
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.21	Vert(LL)	0.01	7	>999	240	MT20	244/190			
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	-0.02	7	>999	180					
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.03	5	n/a	n/a					
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 20 lb	FT = 20%			

LUMBER **BRACING**

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

verticals, and 2-0-0 oc purlins: 3-5 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. WEBS 2x4 SP No.3

REACTIONS (lb/size) 5=91/ Mechanical, (min. 0-1-8), 6=50/ Mechanical, (min. 0-1-8),

9=231/0-3-8, (min. 0-1-8) Max Horiz 9=82 (LC 10)

Max Unlift 5=-38 (LC 7), 6=-9 (LC 7), 9=-17 (LC 10) Max Grav 5=91 (LC 1), 6=59 (LC 3), 9=231 (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. 1)
- 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) 2) 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) 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. 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 5) the bottom chord and any other members.
- 6) 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 38 lb uplift at joint 5, 9 lb uplift at joint 6 and 17 lb uplift at
- 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/
- 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Structural wood sheathing directly applied or 4-0-0 oc purlins, except end



Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR D ROOF
72501096	EJ5	Truss	2	1	Job Reference (optional)

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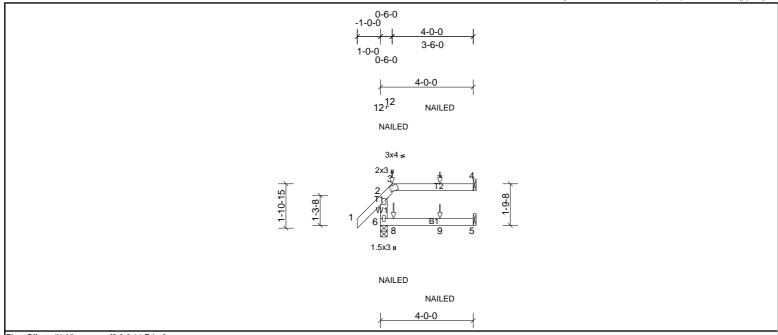


Plate Offsets (X, Y):	[3:0-0-11,Edge]
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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.26	Vert(LL)	0.01	5-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.02	5-6	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.03	4	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 16 lb	FT = 20%

LUMBER **BRACING**

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

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. 2x4 SP No.3 WEBS

REACTIONS (lb/size) 4=101/ Mechanical, (min. 0-1-8), 5=43/ Mechanical, (min. 0-1-8), 6=241/0-3-8, (min. 0-1-8)

Max Horiz 6=52 (LC 5)

Max Unlift 4=-52 (LC 5), 6=-48 (LC 8)

Max Grav 4=106 (LC 20), 5=73 (LC 3), 6=241 (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. 1)
- 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) 2) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 3) 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 5) the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 48 lb uplift at joint 6 and 52 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/ 7)
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 9) "NAILED" indicates Girder: 3-10d (0.148" x 3") toe-nails per NDS guidelines.
- 10 In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 1)

Uniform Loads (lb/ft)

Vert: 1-2=-60, 2-3=-60, 3-4=-60, 5-6=-20

Concentrated Loads (lb)

Vert: 8=-10 (B), 9=-4 (B)



Structural wood sheathing directly applied or 4-0-0 oc purlins, except end

verticals, and 2-0-0 oc purlins: 3-



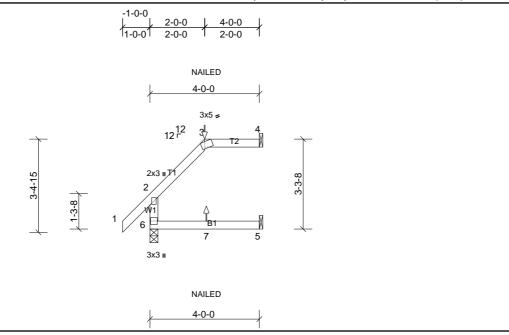
Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR D ROOF
72501096	EJ6	Truss	1	1	Job Reference (optional)

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Structural wood sheathing directly applied or 4-0-0 oc purlins, except end

verticals, and 2-0-0 oc purlins: 3-



-1-3,Edge]
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-													
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defI	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.30	Vert(LL)	0.03	5-6	>999	240	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.02	5-6	>999	180			
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	-0.10	4	n/a	n/a			
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 17 lb	FT = 20%	

LUMBER **BRACING**

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

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. 2x4 SP No.3 WEBS

REACTIONS (lb/size) 4=99/ Mechanical, (min. 0-1-8), 5=41/ Mechanical, (min. 0-1-8),

6=230/0-3-8, (min. 0-1-8) Max Horiz 6=102 (LC 8)

Max Unlift 4=-78 (LC 5), 5=-19 (LC 8), 6=-48 (LC 8) 4=99 (LC 1), 5=72 (LC 3), 6=230 (LC 1) Max Grav

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. 1)
- 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) 2) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 3) 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 5) the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 48 lb uplift at joint 6, 78 lb uplift at joint 4 and 19 lb uplift at
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ 7)
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord. "NAILED" indicates Girder: 3-10d (0.148" x 3") toe-nails per NDS guidelines.
- 10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Uniform Loads (lb/ft)

Vert: 1-2=-60, 2-3=-60, 3-4=-60, 5-6=-20

Concentrated Loads (lb)

Vert: 7=2 (B)







Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR D ROOF
72501096	P1	Truss	7	1	Job Reference (optional)

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Structural wood sheathing directly applied or 4-9-0 oc purlins, except end

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

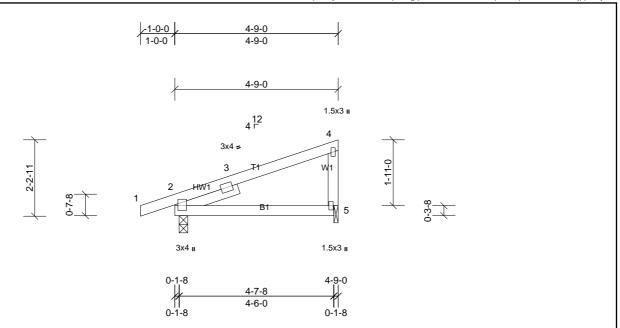


Plate Offsets (X, Y):	[2:0-2-1,0-1-1]		

Loading	(psf)	Spacing	2-0-0	CSI	I	DEFL	in	(loc)	I/defI	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.29	Vert(LL)	0.02	5-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.23	Vert(CT)	-0.04	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	l						Weight: 21 lb	FT = 20%

BOT CHORD

LUMBER **BRACING** TOP CHORD

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

SLIDER Left 2x4 SP No.3 -- 1-11-0

REACTIONS 2=251/0-3-0, (min. 0-1-8), 5=178/0-1-8, (min. 0-1-8) (lb/size)

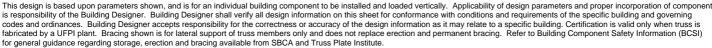
Max Horiz 2=84 (LC 9) Max Uplift

2=-77 (LC 6), 5=-43 (LC 10) (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

FORCES 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) 2) 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.
- * 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 4) the bottom chord and any other members.
- 5) 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
- 6) 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 77 lb uplift at joint 2 and 43 lb uplift at joint 5.
- 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 D ROOF
72501096	P2	Truss	4	1	Job Reference (optional)

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Structural wood sheathing directly applied or 5-9-0 oc purlins, except end

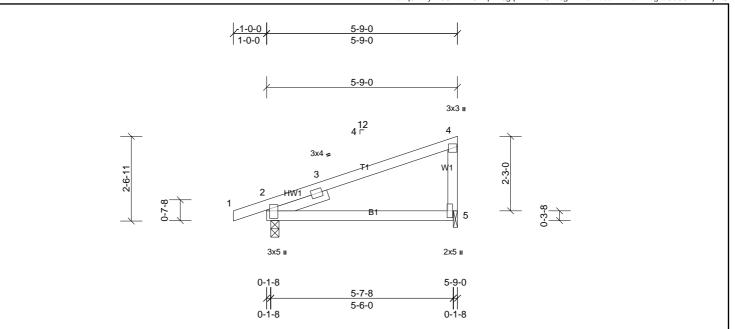


Plate Offsets (X, Y):	[2:0-3-1,0-1-	1], [5:0-2-8,0-0-4]											
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.37	Vert(LL)	0.04	5-8	>999	240	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15	BC	0.29	Vert(CT)	-0.06	5-8	>999	180			
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	2	n/a	n/a			
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 25 lb	FT = 20%	

LUMBER **BRACING** TOP CHORD

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

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. 2x4 SP No.3 WEBS SLIDER Left 2x4 SP No.3 -- 1-11-0

REACTIONS 2=290/0-3-0, (min. 0-1-8), 5=219/0-1-8, (min. 0-1-8) (lb/size) Max Horiz 2=99 (LC 9)

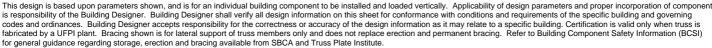
Max Uplift 2=-83 (LC 6), 5=-53 (LC 10)

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

FORCES TOP CHORD 2-3=-256/0

- 1) 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 2) 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.
- * 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 4) the bottom chord and any other members.
- 5) 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 83 lb uplift at joint 2 and 53 lb uplift at joint 5.
- 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.

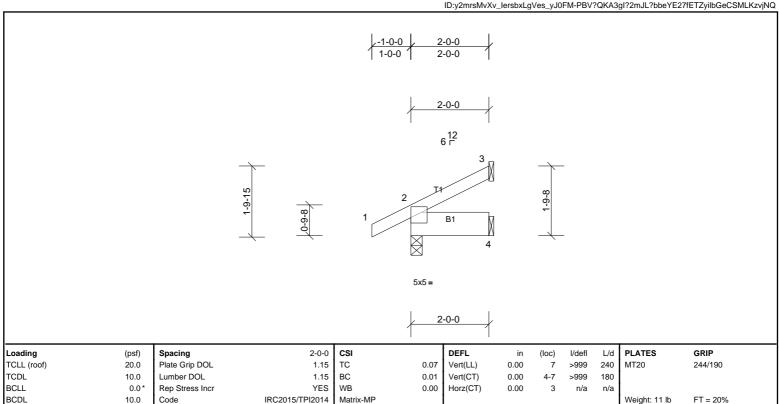






Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR D ROOF	
72501096	SJ1	Truss	4	1	Job Reference (optional)	
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LUMBER **BRACING**

TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 2-0-0 oc purlins. 2x8 SP No.2 BOT CHORD **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=155/0-3-8, (min. 0-1-8), 3=41/ Mechanical, (min. 0-1-8), 4=24/ Mechanical, (min. 0-1-8)

Max Horiz 2=57 (LC 10)

2=-27 (LC 10), 3=-27 (LC 10), 4=-1 (LC 10) Max Uplift Max Grav 2=155 (LC 1), 3=41 (LC 1), 4=40 (LC 3)

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

- 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) 1) 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * 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
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 27 lb uplift at joint 3, 27 lb uplift at joint 3, 27 lb uplift at joint 3, 27 lb uplift at joint 2 and 1 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/ 5) TPI 1.





Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR D ROOF
72501096	SJ2	Truss	1	1	Job Reference (optional)

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BOT CHORD

LUMBER BRACING 2x4 SP No.2 TOP CHORD

TOP CHORD BOT CHORD 2x4 SP No.2

WEBS 2x4 SP No.3

REACTIONS

(lb/size) 3=38/ Mechanical, (min. 0-1-8), 4=15/ Mechanical, (min. 0-1-8), 5=164/0-3-8, (min. 0-1-8)

Max Horiz 5=99 (LC 10)

Max Uplift 3=-72 (LC 10), 4=-22 (LC 10)

Max Grav

3=57 (LC 17), 4=34 (LC 8), 5=164 (LC 1)

FORCES 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) 2) 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.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 72 lb uplift at joint 3 and 22 lb uplift at joint 4.

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

This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ 6)



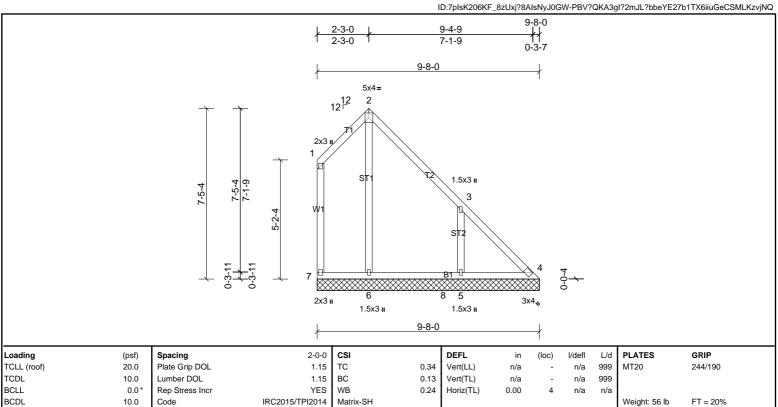
Structural wood sheathing directly applied or 2-0-0 oc purlins, except end

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





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BOT CHORD

LUMBER BRACING TOP CHORD

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

2x4 SP No.3 OTHERS 2x4 SP No.3

REACTIONS All bearings 9-8-0.

(lb) - Max Horiz 7=-251 (LC 6)

All uplift 100 (lb) or less at joint(s) 4, 6, 7 except 5=-244 (LC 11) Max Uplift Max Grav All reactions 250 (lb) or less at joint(s) 4, 7 except 5=434 (LC 18), 6=387

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

TOP CHORD 3-4=-266/216

WEBS 2-6=-251/161, 3-5=-357/288

NOTES

- 1) 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) 2) 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.
- 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, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 4, 6 except (jt=lb) 5=243.
- 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/



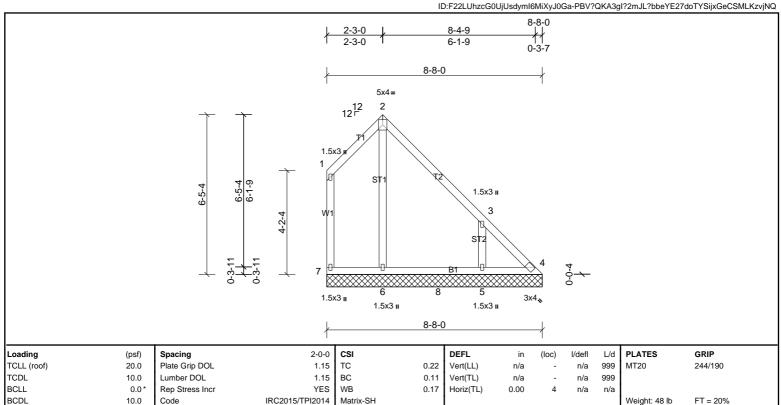
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end

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





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BOT CHORD

LUMBER BRACING TOP CHORD

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

OTHERS 2x4 SP No.3

REACTIONS All bearings 8-8-0.

(lb) - Max Horiz 7=-211 (LC 6)

All uplift 100 (lb) or less at joint(s) 6, 7 except 4=-102 (LC 9), 5=-221 (LC Max Uplift All reactions 250 (lb) or less at joint(s) 4, 7 except 5=375 (LC 18), 6=373 Max Grav

(LC 18)

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

WEBS 3-5=-336/277

NOTES

- Unbalanced roof live loads have been considered for this design. 1)
- Wind: ASCE 7-10: Vult=130mph (3-second gust) Vasd=103mph: TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II: Exp B: Enclosed: MWFRS (envelope) 2) 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.
- 3)
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 4)
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 6 except (jt=lb) 4=101, 5=221.
- 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.



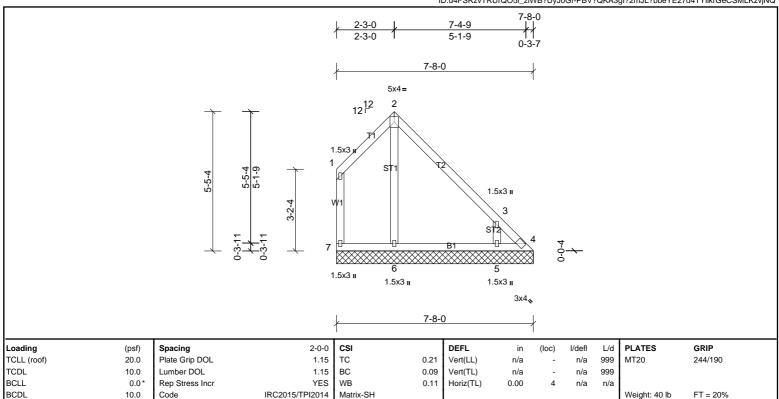
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end

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





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BOT CHORD

LUMBER BRACING TOP CHORD

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

OTHERS 2x4 SP No.3

REACTIONS All bearings 7-8-0.

(lb) - Max Horiz 7=-172 (LC 6)

All uplift 100 (lb) or less at joint(s) 6, 7 except 4=-160 (LC 9), 5=-231 (LC Max Uplift All reactions 250 (lb) or less at joint(s) 4, 7 except 5=364 (LC 18), 6=299 Max Grav

(LC 18)

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

WEBS 3-5=-371/314

NOTES

- Unbalanced roof live loads have been considered for this design. 1)
- Wind: ASCE 7-10: Vult=130mph (3-second gust) Vasd=103mph: TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II: Exp B: Enclosed: MWFRS (envelope) 2) 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.
- 3)
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 4)
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 6 except (jt=lb) 4=159, 5=231.
- 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.



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

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





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6-4-9 2-3-0 4-1-9 6-8-0 5x4= 2 12 12 「 1.5x3 S 5 1.5x3 II 3x4、 1.5x3 II 6-8-0 Loading (psf) Spacing 2-0-0 CSI in (loc) I/defl **PLATES** GRIP TCLL (roof) 20.0 Plate Grip DOL 1.15 TC 0.21 Vert(LL) 999 MT20 244/190 n/a n/a TCDL 10.0 Lumber DOL 1.15 BC 0.18 Vert(TL) n/a n/a 999 BCLL 0.0 Rep Stress Incr YES WB 0.08 Horiz(TL) 0.00 3 n/a n/a

LUMBER BRACING

TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end BOT CHORD 2x4 SP No.2 **BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc bracing. WEBS 2x4 SP No.3

IRC2015/TPI2014

Matrix-SH

OTHERS 2x4 SP No.3

REACTIONS (lb/size) 3=144/6-8-0, (min. 0-1-8), 4=304/6-8-0, (min. 0-1-8), 5=47/6-8-0, (min.

0-1-8) Max Horiz 5=-132 (LC 6)

10.0

Code

3=-27 (LC 7), 4=-66 (LC 6), 5=-58 (LC 7) Max Uplift 3=172 (LC 17), 4=358 (LC 18), 5=88 (LC 17) Max Grav

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

NOTES

BCDL

- 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) 2) 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.
- 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 5)
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 58 lb uplift at joint 5, 27 lb uplift at joint 3 and 66 lb uplift at
- 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.**



Weight: 32 lb

FT = 20%



Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR D ROOF
72501096	V5	Truss	1	1	Job Reference (optional)

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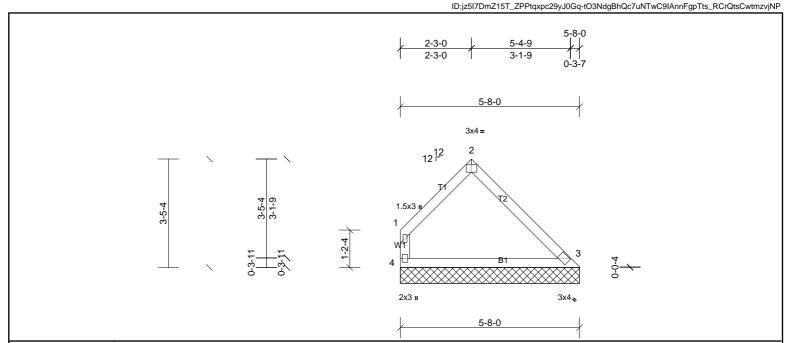


Plate Offsets (X, Y):	[2:0-2-0,Edge]
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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.22	Vert(TL)	n/a	-	n/a	999		
BCLL	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-R							Weight: 21 lb	FT = 20%
					1	1					1	

LUMBER BRACING

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

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. 2x4 SP No.3 WEBS

REACTIONS (lb/size) 3=208/5-8-0, (min. 0-1-8), 4=208/5-8-0, (min. 0-1-8) Max Horiz 4=-93 (LC 6)

Max Uplift 3=-19 (LC 11), 4=-30 (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.
- 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 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 5)
- the bottom chord and any other members. 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 30 lb uplift at joint 4 and 19 lb uplift at joint 3.
- 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/



Structural wood sheathing directly applied or 5-8-4 oc purlins, except end



Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR D ROOF
72501096	V6	Truss	1	1	Job Reference (optional)

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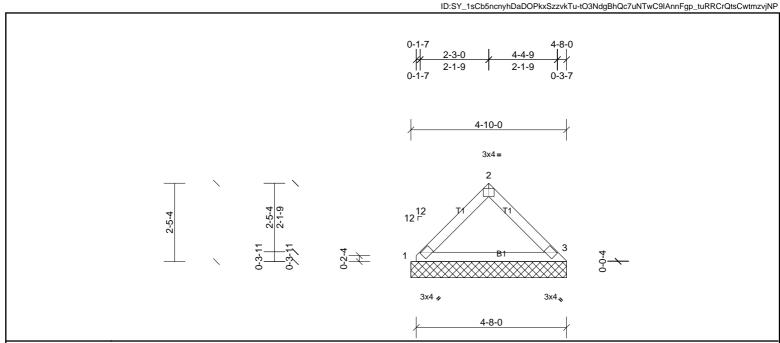


Plate Offsets (X, Y): [2	2:0-2-0,Edge]
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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(TL)	n/a	-	n/a	999		
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-MP							Weight: 16 lb	FT = 20%

LUMBER **BRACING**

TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 4-8-0 oc purlins. BOT CHORD 2x4 SP No.2 **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=180/4-10-0, (min. 0-1-8), 3=180/4-10-0, (min. 0-1-8)

Max Horiz 1=57 (LC 7)

Max Uplift 1=-19 (LC 10), 3=-19 (LC 10)

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

- 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) 2) 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.
- 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 19 lb uplift at joint 1 and 19 lb uplift at joint 3.
- Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1. 7)
- 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/





Job	Truss	Truss Type	Qty Ply		MUNGO HOMES - TELFAIR D ROOF		
72501096	V7	Truss	1	1	Job Reference (optional)		
UFP Mid Atlantic LLC, 5631 S. N	Run: 8.81 S Sep	Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Jan 13 17:09:40					

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Structural wood sheathing directly applied or 2-10-0 oc purlins.

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

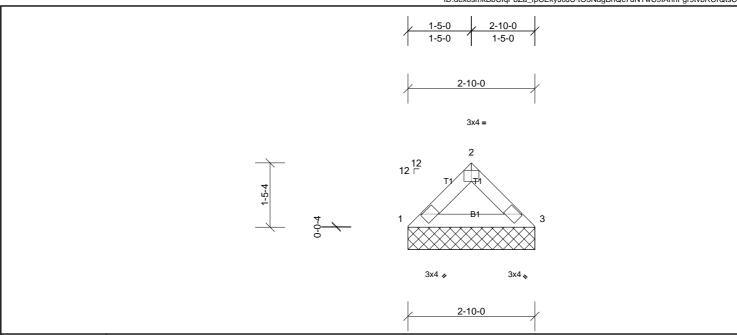


Plate Offsets (X, Y): [2:0-2-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	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-MP							Weight: 9 lb	FT = 20%

LUMBER **BRACING**

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

REACTIONS (lb/size) 1=113/2-10-0, (min. 0-1-8), 3=113/2-10-0, (min. 0-1-8)

Max Horiz 1=-32 (LC 6)

1=-12 (LC 10), 3=-12 (LC 11) Max Uplift

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

- 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) 2) 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.
- 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 12 lb uplift at joint 1 and 12 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/ 7) TPI 1.



