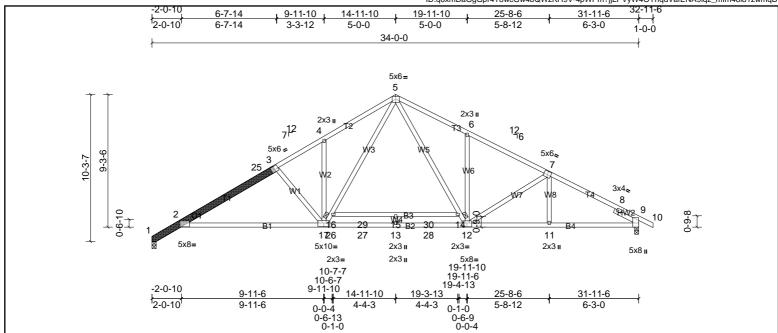


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Structural wood sheathing directly applied or 2-4-0 oc purlins

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



[2:0-4-0,0-1-10], [5:0-2-14,Edge], [7:0-3-0,0-3-0], [12:0-4-0,0-3-4], [17:0-5-0,0-3-0] Plate Offsets (X, Y):

Loading	(psf)	Spacing	2-0-0	CSI	Í	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.86	Vert(LL)	-0.47	13-17	>868	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.98	Vert(CT)	-0.90	15-16	>452	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.27	9	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH	i						Weight: 248 lb	FT = 20%
				1	1							

LUMBER **BRACING** 

TOP CHORD TOP CHORD 2x4 SP No.2 \*Except\* T4:2x4 SP No.1, T1:2x6 SP No.2 BOT CHORD **BOT CHORD** 2x4 SP No.1 \*Except\* B4:2x4 SP SS, B3:2x4 SP No.2

2x4 SP No.3 WEBS

LBR SCAB 3-1 SP No.2 both sides **SLIDER** Right 2x4 SP No.3 -- 1-11-0

REACTIONS 1=1460/0-3-8, (min. 0-1-8), 9=1506/0-3-8, (min. 0-1-12) (lb/size)

Max Horiz 1=-265 (LC 8)

Max Uplift 1=-113 (LC 10), 9=-148 (LC 11) 1=1496 (LC 17), 9=1506 (LC 1)

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

TOP CHORD 1-2=-733/161, 2-25=-2929/376, 3-25=-2631/401, 3-4=-2493/387, 4-5=-2521/505, 5-6=-2201/516, 6-7=-2181/381, 7-8=-2380/432, 8-9=-565/0 BOT CHORD

2-17=-351/2656, 17-26=0/1515, 26-27=0/1515, 13-27=0/1515, 13-28=0/1515, 12-28=0/1515, 11-12=-259/2051, 9-11=-258/2051

 $16-17 = -262/1305, \, 5-16 = -209/1375, \, 5-14 = -217/982, \, 12-14 = -272/895, \, 6-12 = -360/244, \, 7-12 = -290/205, \, 3-17 = -650/219, \, 3-17 =$ 

# WEBS NOTES

- Attached 9-11-6 scab 1 to 3, both face(s) 2x6 SP No.2 with 2 row(s) of 10d (0.131"x3") nails spaced 9" o.c.except: starting at 5-11-14 from end at joint 1)
- 2) 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) 3) 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
- 6) Bearing at joint(s) 1 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 148 lb uplift at joint 9 and 113 lb uplift at joint 1.
- 8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/



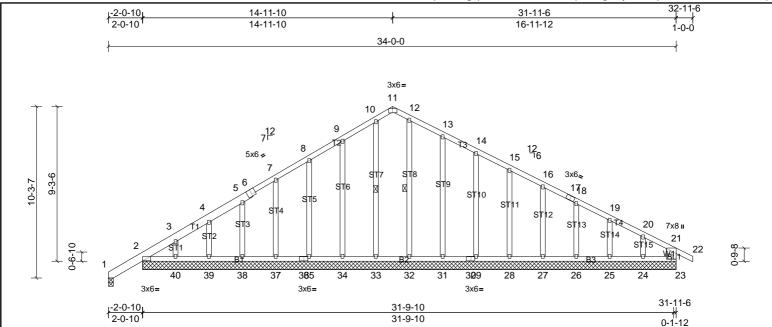






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[6:0-3-0,Edge], [11:0-2-14,Edge], [21:0-2-0,0-3-8], [30:0-2-12,0-1-8], [36:0-2-12,0-1-8] Plate Offsets (X, Y):

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	0.14	Vert(LL)	0.00	41	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	-0.01	41	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	23	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH	1						Weight: 221 lb	FT = 20%
					1							

LUMBER BRACING

TOP CHORD 2x4 SP No.2 \*Except\* T1:2x6 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 WFBS 1 Row at midpt 10-33 12-32 **OTHERS** 2x4 SP No.3 \*Except\* BL1:2x4 SP No.2

REACTIONS All bearings 31-11-6. except 1=0-3-8

1=-272 (LC 8) (lb) - Max Horiz

> All uplift 100 (lb) or less at joint(s) 1, 25, 26, 27, 28, 29, 31, 34, 35, 37, 38, 39, 40 except 24=-113 (LC 11) Max Uplift

Max Grav All reactions 250 (lb) or less at joint(s) 1, 23, 24, 25, 26, 27, 28, 29, 31, 32, 33, 34, 35, 37, 38, 39 except 40=367 (LC 17)

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

TOP CHORD 1-2=-209/297, 2-3=-238/265

WEBS 3-40=-271/86

#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=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) Truss designed for wind loads in the plane of the truss only.
- All plates are 2x3 MT20 unless otherwise indicated.
- 5) Gable studs spaced at 2-0-0 oc.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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 7) the bottom chord and any other members
- 8) Bearing at joint(s) 23, 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 34, 35, 37, 38, 39, 40, 31, 29, 28, 27, 26, 25, 1 except (it=lb) 24=113
- 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/



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

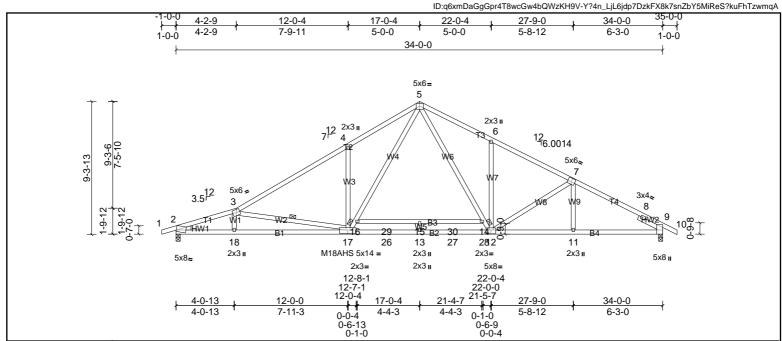
This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on 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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[2:Edge,0-1-4], [5:0-2-14,Edge], [7:0-3-0,0-3-0], [12:0-4-0,0-3-4], [17:0-7-0,0-3-0] 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	0.82	Vert(LL)	-0.44	13-17	>918	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.96	Vert(CT)	-0.85	15	>480	180	M18AHS	186/179
BCLL	0.0*	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.12	9	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 205 lb	FT = 20%

BRACING

TOP CHORD TOP CHORD 2x4 SP No.2 \*Except\* T2:2x4 SP SS, T4:2x4 SP No.1 Structural wood sheathing directly applied. BOT CHORD BOT CHORD 2x4 SP SS \*Except\* B3:2x4 SP No.2, B2:2x4 SP No.1 Rigid ceiling directly applied or 2-2-0 oc bracing. WEBS 1 Row at midpt 3-17

2x4 SP No.3 WEBS WEDGE Left: 2x4 SP No.2

REACTIONS (lb/size) 2=1510/0-3-8, (min. 0-1-13), 9=1510/0-3-8, (min. 0-1-13)

> Max Horiz 2=-184 (LC 8)

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

Max Uplift 2=-153 (LC 10), 9=-152 (LC 11)

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

TOP CHORD 

BOT CHORD 2-18=-454/3545, 17-18=-463/3561, 17-26=0/1489, 13-26=0/1489, 13-27=0/1489, 27-28=0/1489, 12-28=0/1489, 11-12=-266/2058, 9-11=-265/2058 WEBS

3-17=-1498/371, 4-17=-517/327, 16-17=-298/1367, 5-16=-245/1436, 6-12=-367/249, 7-12=-288/203, 5-14=-221/986, 12-14=-279/901

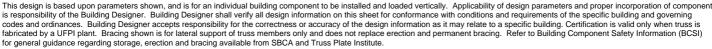
#### NOTES

LUMBER

**SLIDER** 

- 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
- All plates are MT20 plates unless otherwise indicated.
- 4) All plates are 2x3 MT20 unless otherwise indicated.
- 5) 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 6) the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 153 lb uplift at joint 2 and 152 lb uplift at joint 9. 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/









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Plate Offsets (X, Y):	[2:0-2-14,Edge], [4:0-3-0,0-3-0], [6:0-5-9,Edge], [9:0-4-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.65	Vert(LL)	-0.25	9-10	>982	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.79	Vert(CT)	-0.40	9-10	>605	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 132 lb	FT = 20%

BOT CHORD

WFBS

LUMBER BRACING TOP CHORD

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

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

REACTIONS (lb/size) 6=877/0-3-8, (min. 0-1-8), 10=814/0-3-8, (min. 0-1-8)

Max Horiz 10=-346 (LC 8)

Max Uplift 6=-147 (LC 11), 10=-150 (LC 11) Max Grav 6=877 (LC 1), 10=822 (LC 2)

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

TOP CHORD 2-3=-816/391, 3-4=-815/255, 4-5=-1193/303, 5-6=-329/0

BOT CHORD 10-15=0/366 15-16=0/366 9-16=0/366 8-9=-147/1008 6-8=-146/1010 WFBS

2-9=-306/847, 2-10=-686/132, 3-9=-349/246, 4-9=-412/206

## 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
- 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 150 lb uplift at joint 10 and 147 lb uplift at joint 6. 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/



Structural wood sheathing directly applied or 4-11-14 oc purlins, except end

2-10

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

1 Row at midpt





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

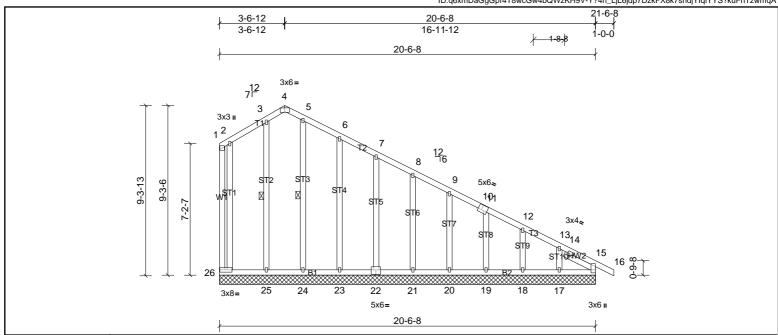


Plate Offsets (X, Y): [4:0-2-14,Edge], [10:0-2-4,0-3-4], [22:0-3-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.55	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.01	15	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH		•				1	Weight: 159 lb	FT = 20%
						1						

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 WFBS 1 Row at midpt 3-25, 5-24 **OTHERS** 2x4 SP No.3

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

REACTIONS All bearings 20-6-8. (lb) - Max Horiz 26=-346 (LC 8)

> Max Uplift All uplift 100 (lb) or less at joint(s) 15, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27 except 17=-130 (LC 11)

Max Grav All reactions 250 (lb) or less at joint(s) 15, 17, 18, 19, 20, 21, 22, 23, 24,

25, 26, 27

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

TOP CHORD 12-13=-264/66, 13-14=-313/72 BOT CHORD

25-26=-48/281, 24-25=-48/281, 23-24=-48/281, 22-23=-48/281, 21-22=-48/281, 20-21=-48/281, 19-20=-48/281, 18-19=-48/281, 17-18=-48/281, 15-17=-48/281

#### 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
- Truss designed for wind loads in the plane of the truss only.
- 4) All plates are 1.5x3 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing
- Gable studs spaced at 2-0-0 oc. 6)
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 7)
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between 8) the bottom chord and any other members.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 26, 15, 25, 24, 23, 22, 21, 20, 19, 18, 15 except (jt=lb) 17=129
- 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



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):	[8:0-2-4,0-2-12], [10:0-2-4,0-2-12]
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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	0.61	Vert(LL)	-0.25	8-9	>886	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC	0.83	Vert(CT)	-0.52	8-9	>433	180		
BCLL 0.0*	Rep Stress Incr	YES	WB	0.78	Horz(CT)	0.11	8	n/a	n/a		
BCDL 10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 114 lb	FT = 20%

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) 8=817/0-3-8, (min. 0-1-8), 10=817/0-3-8, (min. 0-1-8)

10=-262 (LC 8) Max Horiz

8=-104 (LC 11), 10=-104 (LC 10) Max Uplift

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

 $2-3=-360/127,\ 3-4=-1066/106,\ 4-5=-1066/143,\ 5-6=-360/127,\ 2-10=-368/173,\ 6-8=-358/173$ 

**BOT CHORD** 9-10=-245/1141, 8-9=-68/983

4-9=-46/983, 5-9=-259/300, 3-9=-259/281, 3-10=-1022/151, 5-8=-1022/126 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) 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
- 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) Bearing at joint(s) 10, 8 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 104 lb uplift at joint 10 and 104 lb uplift at joint 8. 6)
- 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 5-2-5 oc purlins, except end





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ID:XoIGmzL5EqYDTpPj0JtcGOyHli4-1Be9Bhkzt1lglNYwpEfzf4KtNydUR1wbEOdpDwzwmq9 -1-0-0 20-0-0 9-6-0 19-0-0 9-6-0 9-6-0 1-0-0 1-0-0 19-0-0 3x6= 7 10<sup>12</sup> 5 10 9-1-9 19 20 18 3x3 3x3 II 3x6= 21 17 2 12 9-1 22 16 23 15 5∟ 12 3x3 = 3x3 19-0-0 18-8-8 9-6-0 9-2-8 9-2-8 0-3-8

4:0-1-8,0-1-7], [24:0-1-8,0-1-	-71
<del>4</del> :0	-1-8,0-1-7], [24:0-1-8,0-1-

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.01	14	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 110 lb	FT = 20%

LUMBER BRACING

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

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

REACTIONS All bearings 19-0-0.

(lb) - Max Horiz 24=-262 (LC 8)

Max Uplift All uplift 100 (lb) or less at joint(s) 14, 16, 19, 22 except 15=-201 (LC 11), 17=-148 (LC 11), 21=-146 (LC 10), 23=-206 (LC 10), 24=-158 (LC 6)

Max Grav All reactions 250 (lb) or less at joint(s) 14, 15, 16, 17, 18, 19, 20, 21, 22 except 23=251 (LC 17), 24=269 (LC 18)

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

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb TOP CHORD 5-6=-206/251, 8-9=-206/251

### 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; b=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only.
- 4) All plates are 1.5x3 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 7) Gable studs spaced at 2-0-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Bearing at joint(s) 24, 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
  11. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb unlift at joint(s) 14, 19, 22, 16 except (it-lb) 24–157.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14, 19, 22, 16 except (jt=lb) 24=157, 21=146, 23=206, 17=148, 15=200.
- 12) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 19, 20, 18, 21, 22, 23, 17, 16, 15.
- 13) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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

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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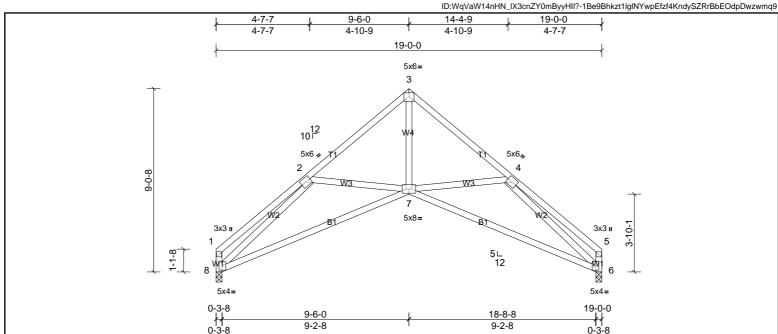


Plate Offsets (X, Y):	[6:0-2-4,0-2-12], [8:0-2-4,0-2-12]
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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.61	Vert(LL)	-0.25	6-7	>886	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.84	Vert(CT)	-0.52	6-7	>433	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.81	Horz(CT)	0.11	6	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH	i						Weight: 110 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) 6=748/0-3-8, (min. 0-1-8), 8=748/0-3-8, (min. 0-1-8) Max Horiz 8=238 (LC 9)

6=-78 (LC 11), 8=-78 (LC 10) Max Uplift

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD  $1\hbox{-}2\hbox{--}320/89,\ 2\hbox{-}3\hbox{--}1077/136,\ 3\hbox{-}4\hbox{--}1077/160,\ 4\hbox{-}5\hbox{--}320/89,\ 1\hbox{-}8\hbox{--}287/91,\ 5\hbox{-}6\hbox{--}287/91}$ 

**BOT CHORD** 7-8=-276/1137, 6-7=-117/1003

3-7=-68/982, 4-7=-267/297, 2-7=-267/281, 2-8=-1058/207, 4-6=-1058/182 WEBS

## NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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) Bearing at joint(s) 8, 6 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 78 lb uplift at joint 8 and 78 lb uplift at joint 6. 6)
- 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 5-2-15 oc purlins, except end



Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - MCDOWELL D ROOF
72500853	P1	Truss	10	1	Job Reference (optional)

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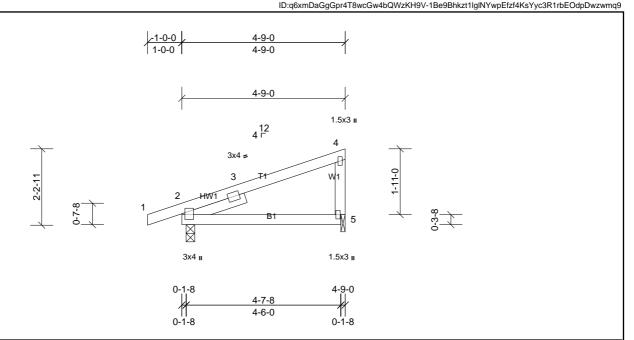


Plate Offsets (X, Y):	[2:0-2-1,0-1-1]
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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.29	Vert(LL)	0.05	5-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.23	Vert(CT)	-0.04	5-8	>999	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							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

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=-121 (LC 6), 5=-85 (LC 6)

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

# NOTES

WEBS

- 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; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 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 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 121 lb uplift at joint 2 and 85 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.



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

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





Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - MCDOWELL D ROOF
72500853	P2	Truss	1	1	Job Reference (optional)

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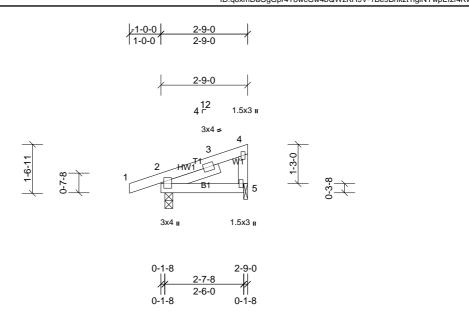


Plate Offsets (X, Y):	[2:0-2-1,0-1-	1]										
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.08	Vert(LL)	0.00	5-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	0.00	5-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MP		l					Weight: 14 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=176/0-3-0, (min. 0-1-8), 5=93/0-1-8, (min. 0-1-8) (lb/size)

Max Horiz 2=55 (LC 9)

Max Uplift 2=-91 (LC 6), 5=-44 (LC 6)

**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; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 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 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 91 lb uplift at joint 2 and 44 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.



Structural wood sheathing directly applied or 2-9-0 oc purlins, except end

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



Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - MCDOWELL D ROOF
72500853	V1	Truss	1	1	Job Reference (optional)
LIED Mid Atlantia LLC F631 C	NC 62 Burlington NC Joy Borns	Dun: 0.01 C. C.	n 12 2024 F	Drint: 0 010 C	Con 12 2024 MiTak Industries Inc. Eri Ion 10 12:25:00 Bogs: 1

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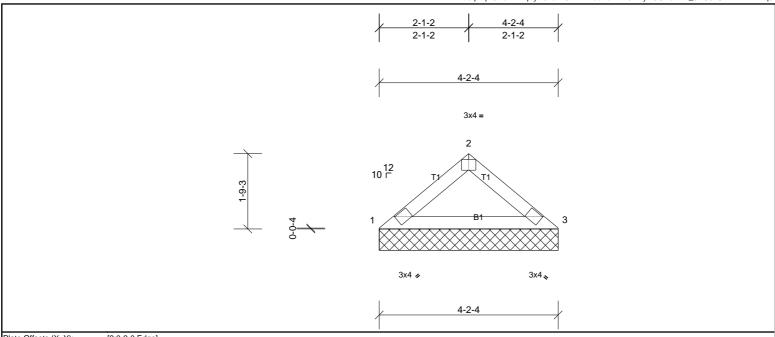


Plate Offsets (X, Y): [2:0-2-0,Edge]
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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defI	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(TL)	n/a	-	n/a	999		
BCLL	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: 13 lb	FT = 20%
			-		0.00	Horiz(TL)	0.00	3	n/a	n/a	Weight: 13 lb	FT = 20%

LUMBER **BRACING** 

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

REACTIONS (lb/size) 1=167/4-2-4, (min. 0-1-8), 3=167/4-2-4, (min. 0-1-8)

Max Horiz 1=-41 (LC 8)

Max Uplift 1=-20 (LC 10), 3=-20 (LC 11)

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 20 lb uplift at joint 1 and 20 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.





Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - MCDOWELL D ROOF
72500853	V2	Truss	1	1	Job Reference (optional)

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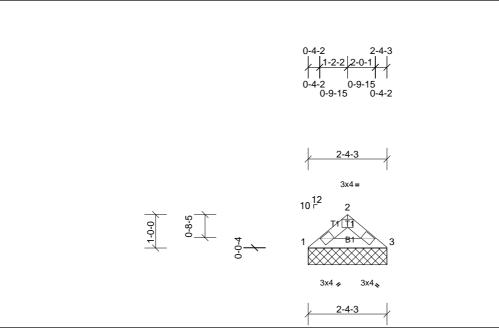


Plate Offsets (X	Y):	[2:0-2-0,Edge]
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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.04	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(TL)	n/a	-	n/a	999		
BCLL	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: 7 lb	FT = 20%
				1		1						

LUMBER **BRACING** 

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

REACTIONS (lb/size) 1=94/2-4-3, (min. 0-1-8), 3=94/2-4-3, (min. 0-1-8)

Max Horiz 1=21 (LC 7)

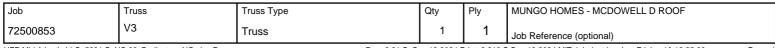
Max Uplift 1=-12 (LC 10), 3=-12 (LC 11)

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

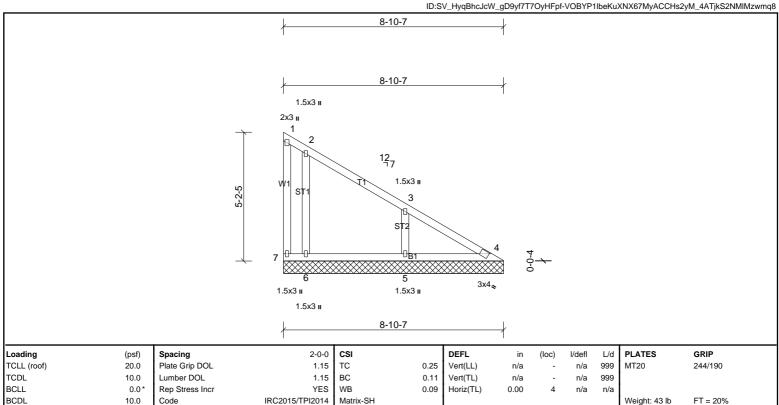
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) 2) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left 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.







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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 8-10-7.

(lb) - Max Horiz 7=-189 (LC 6)

All uplift 100 (lb) or less at joint(s) 4, 6, 7 except 5=-131 (LC 11) Max Uplift Max Grav All reactions 250 (lb) or less at joint(s) 4, 7 except 5=364 (LC 18), 6=295

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

3-5=-270/179

# 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) Truss designed for wind loads in the plane of the truss only.
- 4) Gable requires continuous bottom chord bearing
- 5) Gable studs spaced at 4-0-0 oc.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 4, 6 except (jt=lb) 5=130.
- 9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ TPI 1.



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

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

verticals

**BOT CHORD** 





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 $ID: hyVGH55gVrbf1RcdUz\_bpiyHFpn-VOBYP1lbeKuXNX67MyACCHs3iM\_VAURkS2NMIMzwmq8\\$ 6-0-2 6-0-2 1.5x3 u 127 1.5x3 II 2 S 5 1.5x3 II 1.5x3 i 6-0-2 Loading (psf) Spacing 2-0-0 CSI DEFL in I/defl L/d **PLATES** GRIP (loc) TCLL (roof) 20.0 Plate Grip DOL 1.15 TC Vert(LL) 999 MT20 244/190 0.14 n/a n/a TCDL 10.0 Lumber DOL 1.15 BC 0.09 Vert(TL) n/a n/a 999 BCLL 0.0 Rep Stress Incr YES WB 0.04 Horiz(TL) 0.00 3 n/a n/a BCDL IRC2015/TPI2014 10.0 Matrix-SH Weight: 25 lb FT = 20% Code

**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 (lb/size) 3=112/6-0-2, (min. 0-1-8), 4=288/6-0-2, (min. 0-1-8), 5=29/6-0-2, (min.

0-1-8) Max Horiz 5=-123 (LC 6)

4=-107 (LC 11), 5=-19 (LC 6) Max Uplift

Max Grav

3=117 (LC 17), 4=304 (LC 18), 5=37 (LC 18)

### **FORCES** 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 Truss designed for wind loads in the plane of the truss only. 3)
- Gable requires continuous bottom chord bearing. 4)
- Gable studs spaced at 4-0-0 oc. 5)
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 19 lb uplift at joint 5 and 107 lb uplift at joint 4.

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

9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ TPI 1.



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

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

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.



72500853	V5		Truss		1	'.	1	b Referen	ce (optio	nal)			
JFP Mid Atlantic	LLC, 5631 S. NC 62,	Burlington, NC, Joy Perry	•	Run: 8.81	-		-				Inc. Fri Jan 10 12	2:25:09 5M_nAU5kS2NM	Page
				3-1	I-14	<u> </u>	Joquoanc	лруги ри-ч	ZOBIT III	CITUXI	VXOTNIJACCI 1340	JIVI_IIAOJKOZIVIVI	IVIZVVII
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				1.5x3 II	374	×	J						
					3x4 <b>≥</b>	1							
				3-1	I-14	7							
Loading TCLL (roof)	(psf) 20.0		2-0-0 1.15	CSI TC		DEFL Vert(LL)	in n/a	. ,	l/defl n/a	L/d 999	PLATES MT20	<b>GRIP</b> 244/190	
TCDL BCLL	10.0 0.0		1.15 YES	BC WB		Vert(TL) Horiz(TL)	n/a 0.00		n/a n/a	999 n/a			
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-P	DDAGING						Weight: 11 lb	FT = 20%	
TOP CHORD BOT CHORD	2x4 SP No.2 2x4 SP No.2				BRACING TOP CHOR		vertical	S.	_			oc purlins, except	end
WEBS REACTIONS	2x4 SP No.3 (lb/size)	2=100/3-1-14 (min 0-1-	8), 3=100/3-1-14, (min. 0-1-	8)	BOT CHOR	D	Rigid c	eiling directl	ly applied	or 10-	0-0 oc bracing.		
KEAGIIGNG	Max Horiz Max Uplift Max Grav	3=-58 (LC 6) 2=-12 (LC 11), 3=-29 (LC 2=100 (LC 1), 3=109 (LC	C 11)	0)									
FORCES NOTES	(lb) - l	Max. Comp./Max. Ten A	Il forces 250 (lb) or less exce	ept when shown.									
1) Unbalance		e been considered for this h (3-second gust) Vasd=10	design. 03mph; TCDL=6.0psf; BCDI	_=6.0psf: h=35ft: C	at. II: Exp B: E	nclosed: N	1WFRS (ei	nvelope)					
exterior zo	one and C-C Exterior	<ul><li>(2) zone; cantilever left an</li><li>OL=1.60 plate grip DOL=1</li></ul>	d right exposed; end vertica										
4) This truss	has been designed for	or a 10.0 psf bottom chord	live load nonconcurrent with			l by 2-00-0	0 wide will	fit between					
<ol><li>Provide m</li></ol>		(by others) of truss to bea	uring plate capable of withsta ational Residential Code sec					ard ANSI/					
TPI 1.	accigned in accord	action with the 2010 miletile	anonal Residential Code Sel	1002.11.1 ai	1.002.10.2		.coa stariu						
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MUNGO HOMES - MCDOWELL D ROOF

Job

Truss

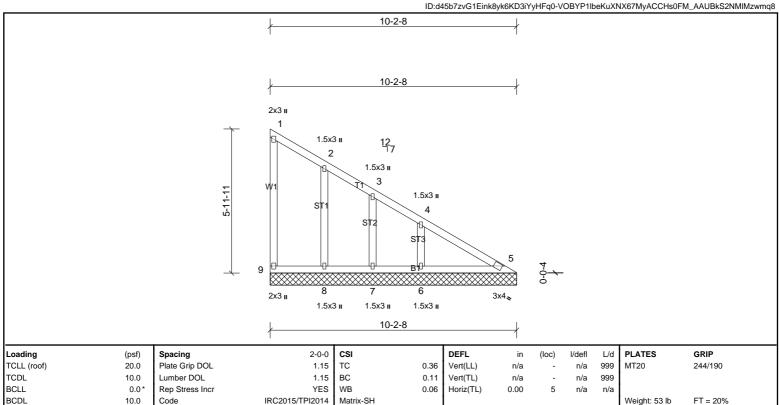
Truss Type



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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 10-2-8.

(lb) - Max Horiz 9=-220 (LC 6)

Max Uplift All uplift 100 (lb) or less at joint(s) 5, 7, 8, 9 except 6=-107 (LC 11) Max Grav All reactions 250 (lb) or less at joint(s) 5, 7, 8, 9 except 6=299 (LC 18)

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 Truss designed for wind loads in the plane of the truss only. 3)
- 4) Gable requires continuous bottom chord bearing Gable studs spaced at 2-0-0 oc. 5)
- 6) 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 7) the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 5, 7, 8 except (jt=lb) 6=106.
- 9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ TPI 1.



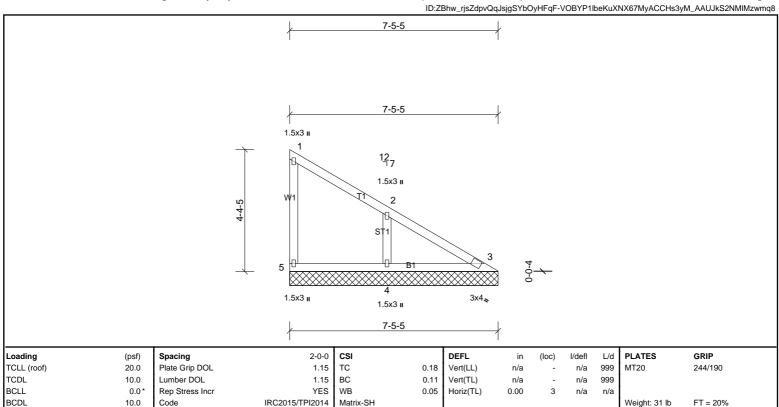
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end

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





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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 10-0-0 oc bracing. WEBS

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

REACTIONS (lb/size) 3=109/7-5-5, (min. 0-1-8), 4=331/7-5-5, (min. 0-1-8), 5=103/7-5-5, (min.

0-1-8) Max Horiz 5=-156 (LC 6)

4=-124 (LC 11), 5=-28 (LC 6) Max Uplift

3=123 (LC 17), 4=350 (LC 18), 5=117 (LC 18) Max Grav

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

**WEBS** 2-4=-259/165

- 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) Truss designed for wind loads in the plane of the truss only.
- 4) Gable requires continuous bottom chord bearing
- 5) Gable studs spaced at 4-0-0 oc.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 28 lb uplift at joint 5 and 124 lb uplift at joint 5.
- 9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ TPI 1.

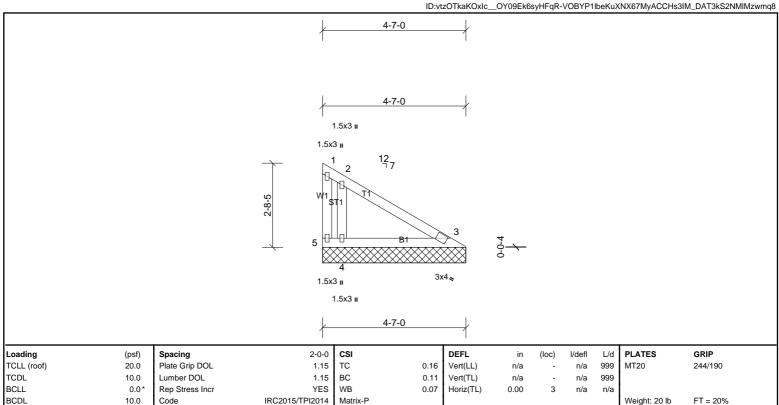








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LUMBER BRACING

TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 4-7-7 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 OTHERS 2x4 SP No.3

REACTIONS (lb/size) 3=111/4-7-0, (min. 0-1-8), 4=386/4-7-0, (min. 0-1-8), 5=-182/4-7-0, (min. 0-1-8)

Max Horiz 5=-90 (LC 6)

3=-2 (LC 11), 4=-136 (LC 11), 5=-188 (LC 18) Max Uplift 3=111 (LC 1), 4=408 (LC 18), 5=74 (LC 11) Max Grav

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

**WEBS** 2-4=-314/224

- 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) Truss designed for wind loads in the plane of the truss only.
- 4) Gable requires continuous bottom chord bearing
- 5) Gable studs spaced at 4-0-0 oc.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 188 lb uplift at joint 5, 2 lb uplift at joint 3 and 136 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/ 9) TPI 1.



