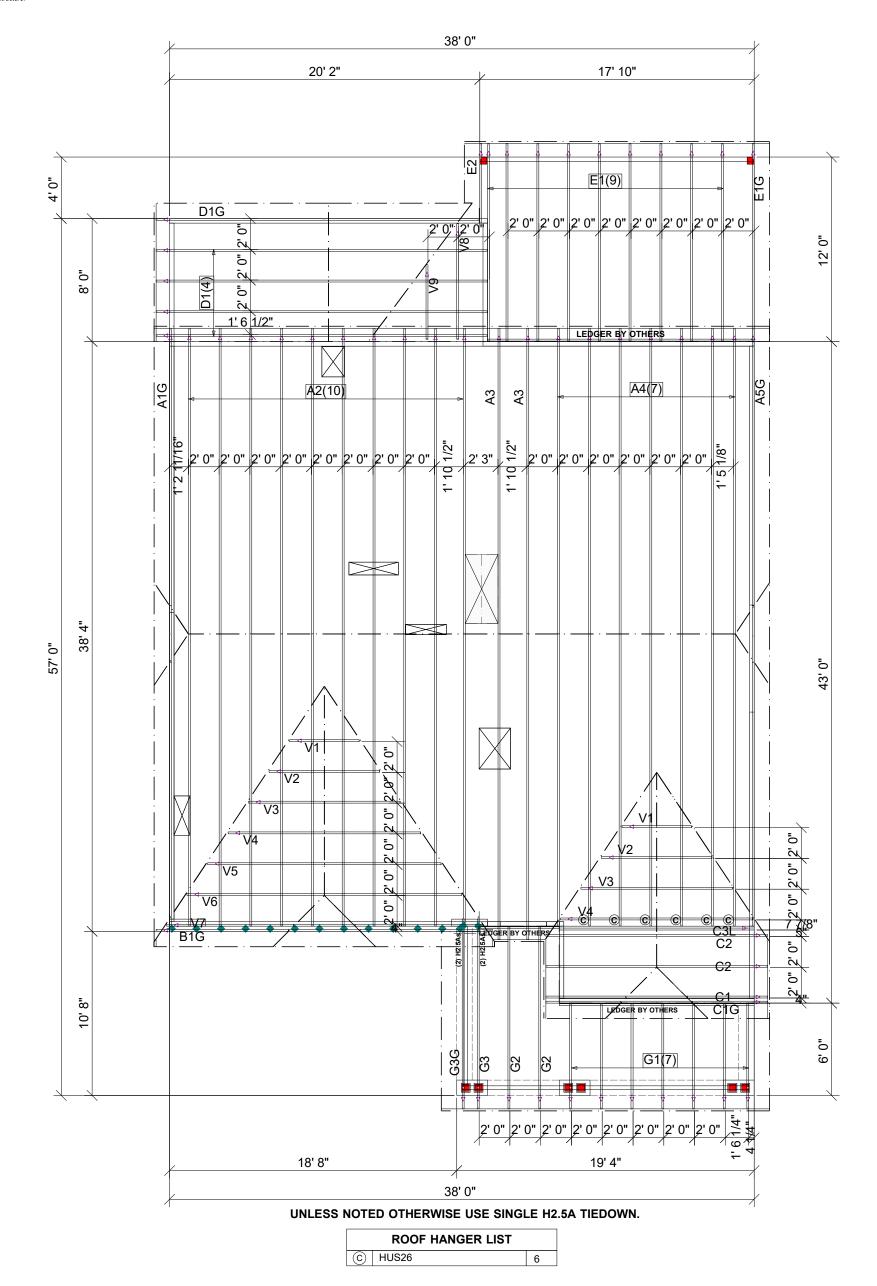
THIS IS A TRUSS/COMPONENT PLACEMENT DIAGRAM (TPD) ONLY; NOT AN ENGINEERED DOCUMENT. Trusses are designed as individual building components to be incorporated into the building design at the specification of the building designer. See individual truss design drawings (TDD's) for each truss design identified on the TPD. The building designer is responsible for temporary and permanent bracing of the roof and floor system and for the overall structure. The design of the support structure including but not limited to headers, beams, walls, and columns is also the responsibility of the building designer. For general guidance regarding installation and bracing, consult "Building Component Safety Information" (BCSI) available from the SBC Association (www.sbcacomponents.com). It is the responsibility of the General Contractor to verify (that the provided component layout matches the final approval of short in the responsibility of the general Contractor to verify (they do not, it is the responsibility of the provided component state final approval of short and approval of short in the responsibility of the general Contractor to verify (they do not, it is the responsibility of the provided component state final approval of short and provided component state final approval of short and provided component state for interest of the provided component state final approval of short and provided component states are states and states specifications and designs. UFP will be provided component states and states are specifications and designs. UFP will be designed to the provided component states and states are states and states and states are states and states are states. Truss-to-wall connections and seigns. UFP will be designed to the support structure. The design of the support structure. The design of the support structure including but not limited to headers, beautify to the support structure. The support structure including but not limited to headers, beautify to the support structure. The design of the support structure



ROOF AREA: 2575.65 ft²_RIDGE LINE: 70.82 ft _ VALLEY LINES: 83.31 _ HIP LINES:38.7 _ \triangle Indicates Left End of Truss

	SELMA 'ENGLISH COUNTRY'	DSN	DESCRIPTION	DATE	ST A O	6	
		-	-		2552	B #	1
	ROOF	-	-	-	2 2 2 2		1
		-	-	-		2504	1
		-	-	-	4 4	3	1
	733 BEACON HILL ROAD	-	-	-	-1 №	726	1
LO.		-	-	-	-25	ľ	1
	LILLINGTON, NC 27546	-	-	-			1
		-	-	-			1

SCALE: N.T.S

PBS

OT 41 DUNCAN'S CREEK

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

13-36, 14-35, 11-37, 16-34

verticals, and 2-0-0 oc purlins (6-0-0 max.): 12-15.

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

1 Row at midpt

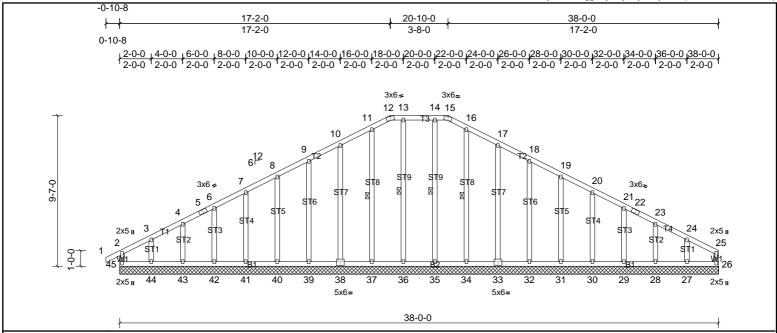


Plate Offsets (X, Y): [22:0-0-0,0-0-0], [33:0-3-0,0-3-0], [38:0-3-0,0-3-0]

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	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	26	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 267 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 **OTHERS** 2x4 SP No.3

REACTIONS All bearings 38-0-0

(lb) - Max Horiz

Max Uplift All uplift 100 (lb) or less at joint(s) 26, 28, 29, 30, 31, 32, 33, 38, 39, 40, 41, 42, 43, 45 except 27=-122 (LC 11), 44=-139 (LC 10) All reactions 250 (lb) or less at joint(s) 26, 27, 28, 29, 30, 31, 32, 33, 34, Max Grav

35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45

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

45=147 (LC 7)

TOP CHORD 9-10=-110/262, 10-11=-131/319, 11-12=-134/329, 12-13=-124/324, 13-14=-124/324, 14-15=-124/324, 15-16=-134/329, 16-17=-131/319, 17-18=-110/262

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only
- 4) Provide adequate drainage to prevent water ponding
- 5) All plates are 2x3 (||) MT20 unless otherwise indicated
- 6) Gable requires continuous bottom chord bearing. 7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 8) Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 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 10 the bottom chord and any other members.
- 11 Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 45, 26, 38, 39, 40, 41, 42, 43, 33, 32, 31, 30, 29, 28 except (jt=lb) 44=138, 27=122
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ 12
- 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



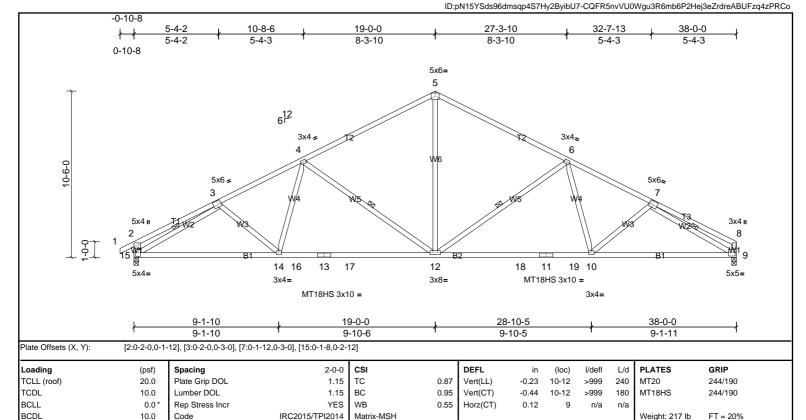






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BRACING

WEBS

TOP CHORD

BOT CHORD

LUMBER TOP CHORD 2x4 SP No.2 *Except* T2:2x4 SP No.1

BOT CHORD 2x4 SP No.2 *Except* B2:2x4 SP No.1

(lb/size)

2x4 SP No.3

9=1508/0-3-8, (min. 0-1-12), 15=1570/0-3-8, (min. 0-1-14)

Max Horiz 15=159 (LC 7)

Max Unlift 9=-203 (LC 11), 15=-226 (LC 10)

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

 $2 - 3 - 450/186, \ 3 - 4 - 2285/654, \ 4 - 5 - 1717/584, \ 5 - 6 - 1716/583, \ 6 - 7 - 2291/657, \ 7 - 8 - 372/134, \ 2 - 15 - 407/228, \ 8 - 9 - 295/135, \ 7 - 100/228, \ 8 - 100/228,$

BOT CHORD 14-15 = -481/1994, 14-16 = -395/1949, 13-16 = -395/1949, 13-17 = -395/1949, 12-17 = -395/1949, 12-18 = -396/1950, 11-18 = -396/1950, 11-19 = -396/1950, 10-19 = -39WEBS

3-15=-1984/491, 7-9=-2073/549, 4-14=0/340, 4-12=-679/308, 5-12=-247/985, 6-12=-680/309, 6-10=0/343

NOTES

WEBS

REACTIONS

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) 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. 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 226 lb uplift at joint 15 and 203 lb uplift at joint 9.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ 7) TPI 1.



Structural wood sheathing directly applied, except end verticals.

3-15, 7-9, 4-12, 6-12

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

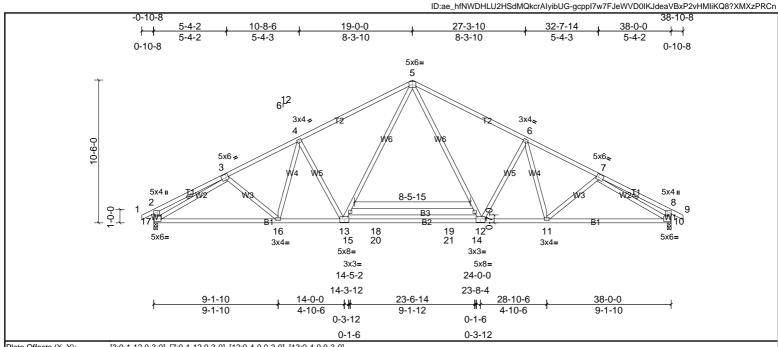
1 Row at midpt





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[3:0-1-12,0-3-0], [7:0-1-12,0-3-0], [12:0-4-0,0-3-0], [13:0-4-0,0-3-0] 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	0.70	Vert(LL)	-0.36	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.87	Vert(CT)	-0.69	12-13	>657	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.11	10	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH						1	Weight: 249 lb	FT = 20%

WEBS

1 Row at midpt

LUMBER BRACING

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

Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 14-15. BOT CHORD 2x4 SP No.3 WEBS

REACTIONS (lb/size) 10=1664/0-3-8, (min. 0-1-15), 17=1664/0-3-8, (min. 0-1-15)

Max Horiz 17=155 (LC 9)

Max Unlift 10=-169 (LC 11), 17=-169 (LC 10)

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

TOP CHORD 2-3-486/167, 3-4=-2468/553, 4-5=-2302/582, 5-6=-2302/582, 6-7=-2468/553, 7-8=-486/167, 2-17=-424/218, 8-10=-4**BOT CHORD** 16-17=-362/2130, 13-16=-257/2158, 13-18=-37/1698, 18-19=-37/1698, 12-19=-37/1698, 11-12=-257/2158, 10-11=-362/2130 WEBS 3-17=-2109/412, 7-10=-2109/412, 4-13=-542/308, 13-15=-193/696, 5-15=-137/904, 5-14=-137/904, 12-14=-193/696, 6-12=-542/308

NOTES

- Unbalanced roof live loads have been considered for this design. 1)
- 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 (enveloped and the control of th 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, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 169 lb uplift at joint 17 and 169 lb uplift at joint 10.
- 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/



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

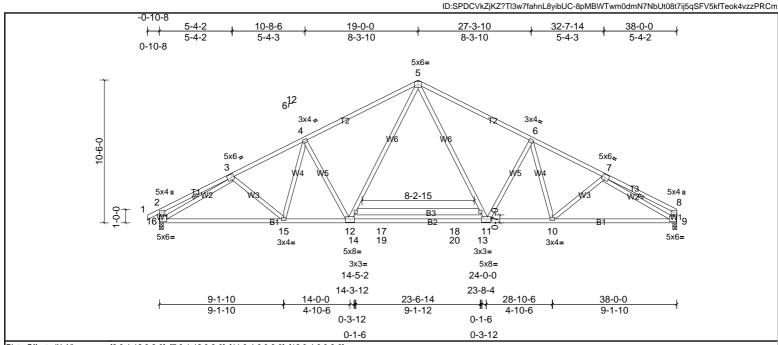
3-17, 7-10





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[3:0-1-12,0-3-0], [7:0-1-12,0-3-0], [11:0-4-0,0-3-0], [12:0-4-0,0-3-0] 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	0.72	Vert(LL)	-0.36	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.87	Vert(CT)	-0.69	11-12	>656	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.11	9	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 247 lb	FT = 20%

LUMBER BRACING

TOP CHORD TOP CHORD 2x4 SP SS *Except* T1.T3:2x4 SP No.2 **BOT CHORD** 2x4 SP No.1 *Except* B3:2x6 SP No.1

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. 2x4 SP No.3 WEBS **WEBS** 1 Row at midpt 3-16, 7-9

REACTIONS (lb/size) 9=1602/0-3-8, (min. 0-1-14), 16=1665/0-3-8, (min. 0-1-15)

Max Horiz 16=159 (LC 7)

Max Unlift 9=-146 (LC 11), 16=-169 (LC 10)

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

TOP CHORD **BOT CHORD** $15-16=-399/2132,\ 12-15=-294/2159,\ 12-17=-74/1700,\ 17-18=-74/1700,\ 11-18=-74/1700,\ 10-11=-294/2160,\ 9-10=-405/2145$ WEBS 3-16=-2110/413, 7-9=-2202/468, 4-12=-542/308, 12-14=-193/696, 5-14=-137/903, 5-13=-138/905, 11-13=-194/698, 6-11=-544/309

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) 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, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 169 lb uplift at joint 16 and 146 lb uplift at joint 9.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ 6)



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





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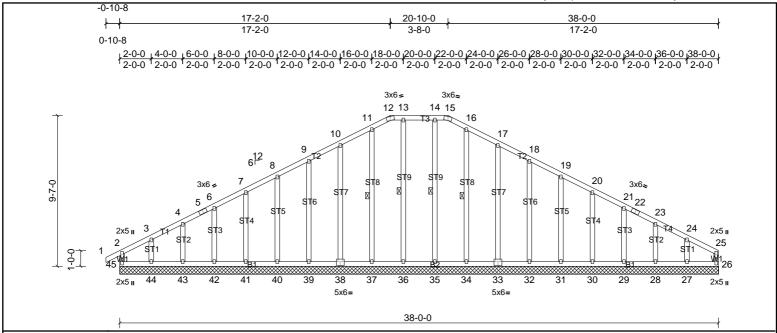


Plate Offsets (X, Y): [22:0-0-0,0-0-0], [33:0-3-0,0-3-0], [38:0-3-0,0-3-0]

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	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	n/a	-	n/a	999			
BCLL	0.0*	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	26	n/a	n/a			
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 267 lb	FT = 20%	
TCDL BCLL	10.0 0.0*	Lumber DOL Rep Stress Incr	1.15 YES	BC WB	0.09	Vert(CT)	n/a	26	n/a	999			

LUMBER BRACING

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

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

> (lb) - Max Horiz 45=147 (LC 7) Max Uplift All uplift 100 (lb) or less at joint(s) 26, 28, 29, 30, 31, 32, 33, 38, 39, 40, 41, 42, 43, 45 except 27=-122 (LC 11), 44=-139 (LC 10) All reactions 250 (lb) or less at joint(s) 26, 27, 28, 29, 30, 31, 32, 33, 34, Max Grav

35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 9-10=-110/262, 10-11=-131/319, 11-12=-134/329, 12-13=-124/324, 13-14=-124/324, 14-15=-124/324, 15-16=-134/329, 16-17=-131/319, 17-18=-110/262

NOTES

REACTIONS

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

All bearings 38-0-0

- 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) Truss designed for wind loads in the plane of the truss only
- 4) Provide adequate drainage to prevent water ponding
- 5) All plates are 2x3 (||) MT20 unless otherwise indicated
- 6) Gable requires continuous bottom chord bearing.
- 7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 8) Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 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 10 the bottom chord and any other members.
- 11 Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 45, 26, 38, 39, 40, 41, 42, 43, 33, 32, 31, 30, 29, 28 except (jt=lb) 44=138, 27=122
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ 12
- 13) 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 6-0-0 oc purlins, except end

13-36, 14-35, 11-37, 16-34

verticals, and 2-0-0 oc purlins (6-0-0 max.): 12-15.

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

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.





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

verticals, and 2-0-0 oc purlins (6-0-0 max.): 7-10.

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

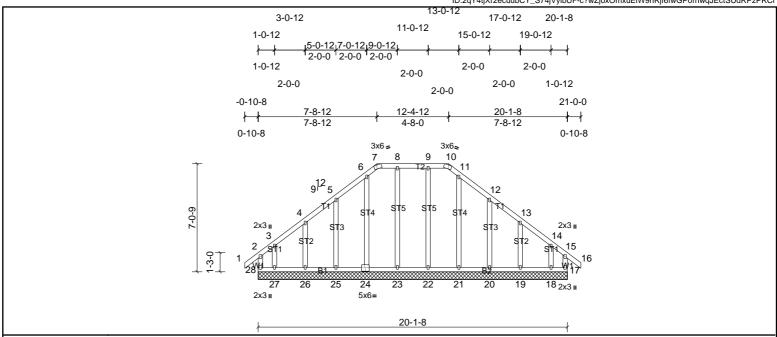


Plate Offsets (X, Y): [7:0-1-14,Edge], [10:0-1-14,Edge], [24:0-3
--

Loading	(psf)	Spacing	2-0-0	CSI	Í	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.18	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00	17	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR	i					1	Weight: 136 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

2x4 SP No.3

REACTIONS All bearings 20-1-8 (lb) - Max Horiz 28=-207 (LC 8)

> All uplift 100 (lb) or less at joint(s) 19, 22, 23, 26 except 17=-128 (LC 7) Max Uplift 18=-164 (LC 11), 20=-101 (LC 11), 25=-102 (LC 10), 27=-172 (LC 10),

28=-162 (LC 6)

Max Grav All reactions 250 (lb) or less at joint(s) 17, 18, 19, 20, 21, 22, 23, 24, 25,

26, 27, 28

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.
- 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) Truss designed for wind loads in the plane of the truss only.
- Provide adequate drainage to prevent water ponding. 4)
- All plates are 1.5x3 (||) MT20 unless otherwise indicated. 5)
- 6) Gable requires continuous bottom chord bearing
- 7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web)
- 8) Gable studs spaced at 2-0-0 oc.
- 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 23, 22, 26, 19 except (jt=lb) 28=161, 17=127, 25=101, 27=172, 20=101, 18=163.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ 12)
- 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



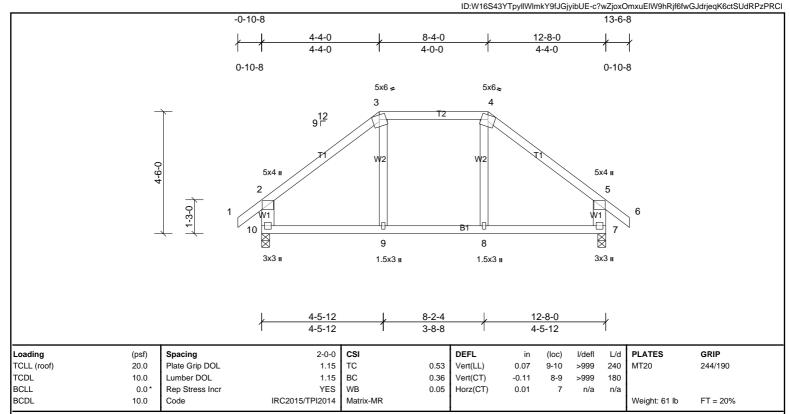






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BOT CHORD

LUMBER BRACING TOP CHORD

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2

WEBS 2x6 SP No.2 *Except* W2:2x4 SP No.3

REACTIONS (lb/size) 7=555/0-3-8, (min. 0-1-8), 10=555/0-3-8, (min. 0-1-8)

> Max Horiz 10=143 (LC 9)

Max Uplift 7=-68 (LC 11), 10=-68 (LC 10)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-505/153, 3-4=-327/169, 4-5=-505/153, 2-10=-478/196, 5-7=-478/196 BOT CHORD

9-10=-46/335, 8-9=-43/337, 7-8=-43/333

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, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 68 lb uplift at joint 10 and 68 lb uplift at joint 7.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- 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 6-0-0 oc purlins, except end

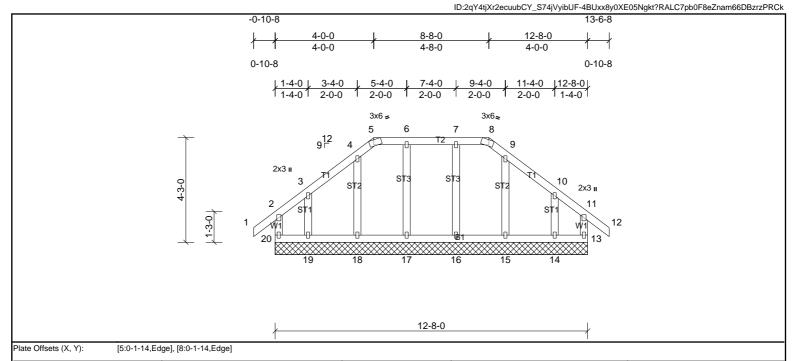
verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4. Rigid ceiling directly applied or 10-0-0 oc bracing.





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DEFL

Vert(LL)

Vert(CT)

Horz(CT)

0.10

0.06

0.04

BRACING

TOP CHORD

BOT CHORD

I/defl

n/a 999

n/a 999

n/a n/a

verticals, and 2-0-0 oc purlins (10-0-0 max.): 5-8.

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

L/d

in

n/a

n/a

0.00

(loc)

13

PLATES

Weight: 72 lb

MT20

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

GRIP

244/190

FT = 20%

CSI

вс

2-0-0

1.15 TC

1.15

YES WB

IRC2015/TPI2014 BCDI 10.0 Code Matrix-MR

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 12-8-0.

(lb) - Max Horiz 20=-134 (LC 8)

(psf)

20.0

10.0

0.0

Spacing

Plate Grip DOL

Rep Stress Incr

Lumber DOL

All uplift 100 (lb) or less at joint(s) 13, 15, 16, 17, 18, 20 except 14=-116 (LC 11), 19=-118 (LC 10) Max Uplift Max Grav All reactions 250 (lb) or less at joint(s) 13, 14, 15, 16, 17, 18, 19, 20

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

FORCES NOTES

Loading

TCDL

BCLL

TCLL (roof)

LUMBER

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only.
- 4) Provide adequate drainage to prevent water ponding
- 5) All plates are 1.5x3 (||) MT20 unless otherwise indicated
- 6) Gable requires continuous bottom chord bearing.
- 7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2-0-0 oc.
- 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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 10 the bottom chord and any other members. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 20, 13, 17, 16, 18, 15 except (it=lb) 11
- 19=117, 14=116. 12
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord



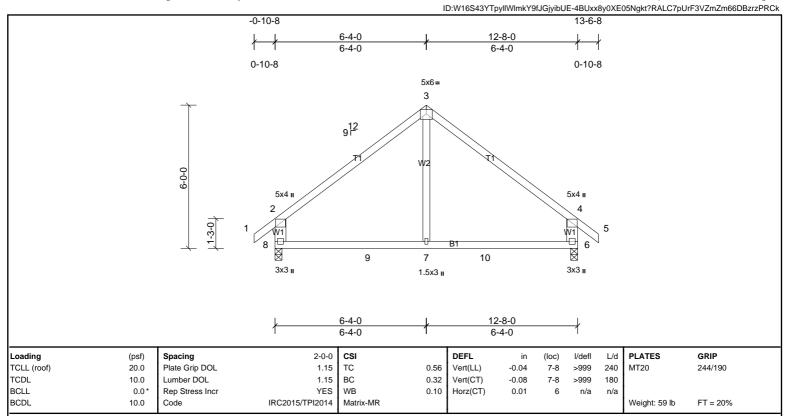
This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on 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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BOT CHORD

LUMBER BRACING TOP CHORD

TOP CHORD 2x4 SP No.2

2x4 SP No.2 BOT CHORD

WEBS 2x6 SP No.2 *Except* W2:2x4 SP No.3

> (lb/size) 6=555/0-3-8, (min. 0-1-8), 8=555/0-3-8, (min. 0-1-8) Max Horiz 8=-181 (LC 8)

Max Uplift 6=-78 (LC 11), 8=-78 (LC 10) Max Grav 6=575 (LC 18), 8=575 (LC 17)

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

TOP CHORD 2-3=-537/141, 3-4=-537/141, 2-8=-503/205, 4-6=-504/205 **BOT CHORD** 8-9=-5/377, 7-9=-5/377, 7-10=-5/377, 6-10=-5/377

3-7=0/276

WEBS NOTES

REACTIONS

- 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) 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.
- 5) 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.
- 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.



Job Prof - SELMA ENGLISH COUNTRY GR RF Truss Truss Type Qty Ply C3L 2 72510345 1 Truss Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

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Structural wood sheathing directly applied, except end verticals.

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

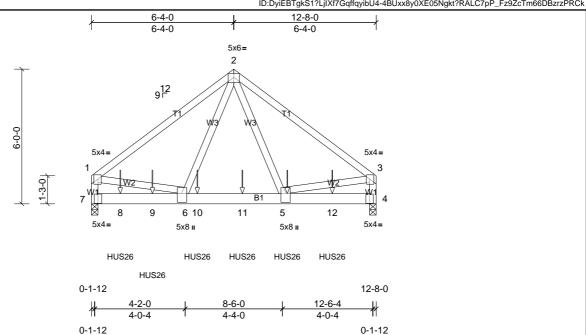


Plate Offsets (X, Y): [1:0-2-4,0-2-12], [3:0-2-4,0-2-12], [5:0	0-4-12,0-2-4], [6:0-4-12,0-2-4]
--	---------------------------------

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	0.87	Vert(LL)	-0.05	5-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.73	Vert(CT)	-0.10	5-6	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.75	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH	1						Weight: 168 lb	FT = 20%

LUMBER **BRACING**

TOP CHORD TOP CHORD 2x4 SP No.2 **BOT CHORD BOT CHORD** 2x6 SP No.1

WEBS 2x4 SP No.3 *Except* W1:2x4 SP No.2

REACTIONS (lb/size) 4=4812/0-3-8, (min. 0-1-8), 7=5671/0-3-8, (min. 0-1-8)

7=156 (LC 5) Max Horiz

Max Unlift 4=-486 (LC 9), 7=-572 (LC 8)

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

1-2=-5334/574, 2-3=-5118/553, 1-7=-4139/441, 3-4=-4011/428

BOT CHORD $7-8 = -252/798, \ 8-9 = -252/798, \ 6-9 = -252/798, \ 6-10 = -280/2972, \ 10-11 = -280/2972, \ 5-11 = -280/2972, \ 5-12 = -156/537, \ 4-12 = -15$

1-6=-372/3594, 3-5=-376/3599, 2-6=-320/3352, 2-5=-272/2876

WEBS NOTES

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows: Top chords connected as follows: 2x4 1 row at 0-9-0 oc. 1)
 - Bottom chords connected as follows: 2x6 2 rows staggered at 0-6-0 oc.
- Web connected as follows: 2x4 1 row at 0-9-0 oc.

 All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - 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
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members
- Bearing at joint(s) 7, 4 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 572 lb uplift at joint 7 and 486 lb uplift at joint 4. 8)
- 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/
- 10 Use Simpson Strong-Tie HUS26 (14-16d Girder, 4-16d Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-3-7 from the left end to 10-8-9 to
- connect truss(es) to front face of bottom chord. 11) Fill all nail holes where hanger is in contact with lumber

LOAD CASE(S) Standard

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

Uniform Loads (lb/ft)

Vert: 1-2=-60, 2-3=-60, 4-7=-20 Concentrated Loads (lb)

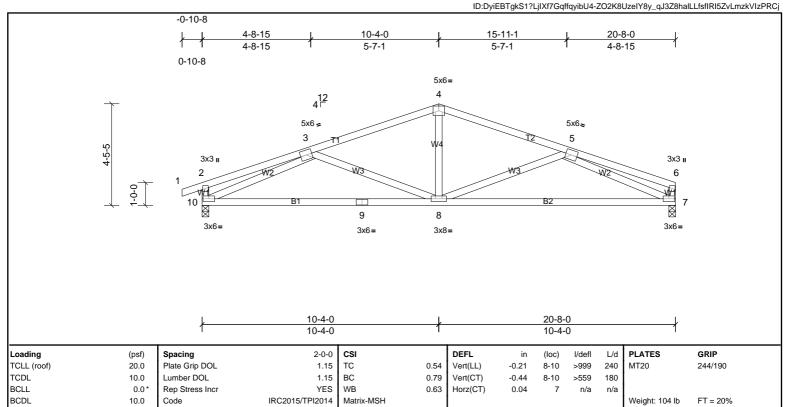
Vert: 5=-1582 8=-1582 9=-1582 10=-1582 11=-1582 12=-1582







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LUMBER BRACING TOP CHORD 2x4 SP No.2 TOP CHORD

BOT CHORD 2x4 SP No.2 *Except* B2:2x4 SP No.1

WEBS 2x4 SP No.3

REACTIONS (lb/size) 7=813/0-3-8, (min. 0-1-8), 10=878/0-3-8, (min. 0-1-8)

10=46 (LC 10) Max Horiz

Max Uplift 7=-130 (LC 7), 10=-173 (LC 6)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-298/49. 3-4=-1184/314. 4-5=-1185/314. 5-6=-280/35. 2-10=-266/140 BOT CHORD

9-10=-347/1267, 8-9=-347/1267, 7-8=-354/1280

WEBS $4-8=-19/464,\, 5-8=-287/224,\, 3-8=-275/221,\, 3-10=-1170/409,\, 5-7=-1205/429$

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. 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 173 lb uplift at joint 10 and 130 lb uplift at joint 7.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ 6) **TPI 1.**



Structural wood sheathing directly applied or 4-8-11 oc purlins, except end

Rigid ceiling directly applied or 9-8-1 oc bracing.

verticals

BOT CHORD





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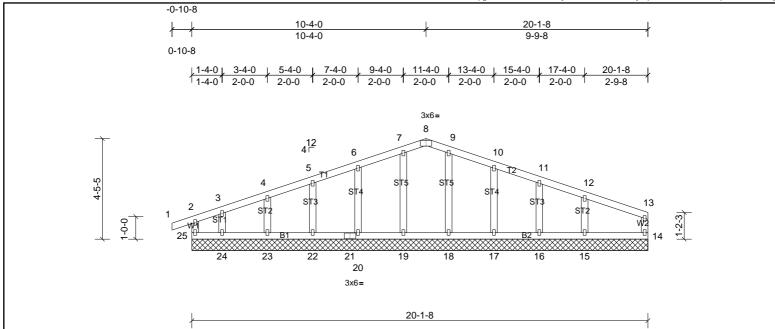


Plate Offsets (X, Y): [8:0-3-

													_
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	n/a	-	n/a	999			
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	14	n/a	n/a			
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 97 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 **OTHERS** 2x4 SP No.3

REACTIONS All bearings 20-1-8 (lb) - Max Horiz 25=46 (LC 14)

> Max Uplift All uplift 100 (lb) or less at joint(s) 14, 15, 16, 17, 19, 20, 22, 23, 24, 25 Max Grav All reactions 250 (lb) or less at joint(s) 14, 15, 16, 17, 18, 19, 20, 22, 23, 24, 25

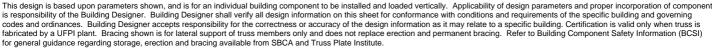
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

FORCES NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only.
- All plates are 1.5x3 (||) MT20 unless otherwise indicated. 4)
- 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.
- 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 9)
- the bottom chord and any other members
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 25, 14, 19, 20, 22, 23, 24, 17, 16, 15.
- 11) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/



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







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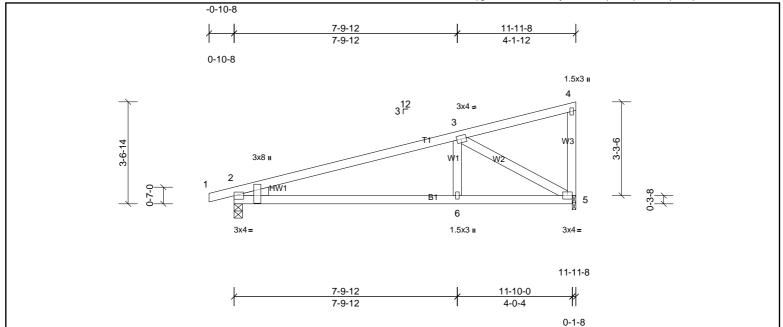


Plate Offsets (X, Y): [2:Edge,0-1-7], [2:0-3-2,0-8-4]													
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.55	Vert(LL)	0.18	6-9	>770	240	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15	BC	0.54	Vert(CT)	-0.17	6-9	>849	180			
BCLL	0.0*	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.02	2	n/a	n/a			
BCDI	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 53 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 6-1-15 oc bracing. 2x4 SP No.3 WEBS

WEDGE Left: 2x4 SP No.2

REACTIONS 2=527/0-3-8, (min. 0-1-8), 5=471/0-1-8, (min. 0-1-8) (lb/size) Max Horiz 2=131 (LC 6)

Max Uplift 2=-230 (LC 6), 5=-227 (LC 6)

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

TOP CHORD 2-3=-775/680

BOT CHORD 2-6=-750/722, 5-6=-750/722 WFBS 3-6=-305/280, 3-5=-828/862

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 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
- 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) 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
- 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 230 lb uplift at joint 2 and 227 lb uplift at joint 5. 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/ TPI 1.



Structural wood sheathing directly applied or 5-6-13 oc purlins, except end



Job	Truss	Truss Type	Qty	Ply	Prof - SELMA ENGLISH COUNTRY GR RF
72510345	E1G	Truss	1	1	Job Reference (optional)

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

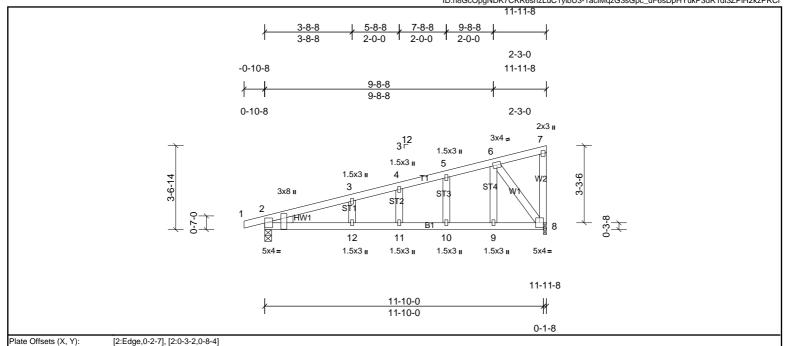


Plate Offsets (X, Y):	[2:Edge,0-2-	[2:Edge,0-2-7], [2:0-3-2,0-8-4]											
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.94	Vert(LL)	0.41	11-12	>350	240	MT20	244/190	
TCDL	18.0	Lumber DOL	1.15	BC	0.87	Vert(CT)	-0.51	11-12	>277	180			
BCLL	0.0*	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.05	2	n/a	n/a			
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 58 lb	FT = 20%	

LUMBER BRACING

TOP CHORD 2x4 SP No.2 TOP CHORD BOT CHORD 2x4 SP No.1

BOT CHORD Rigid ceiling directly applied or 6-10-3 oc bracing. 2x4 SP No.3 WEBS OTHERS 2x4 SP No.3

REACTIONS (lb/size) 2=636/0-3-8, (min. 0-1-8), 8=565/0-1-8, (min. 0-1-8)

> Max Horiz 2=131 (LC 6)

Max Uplift 2=-230 (LC 6), 8=-227 (LC 6)

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

TOP CHORD 2-3=-736/504, 3-4=-709/511, 4-5=-691/519, 5-6=-664/525

BOT CHORD 2-12=-587/678, 11-12=-587/678, 10-11=-587/678, 9-10=-587/678, 8-9=-587/678

6-9=-492/504, 6-8=-1149/995

WFBS NOTES

WEDGE

- 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 exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only.

Left: 2x4 SP No.2

- 4) Gable studs spaced at 2-0-0 oc. 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)
- 7) 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 surface
- 8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 8.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 230 lb uplift at joint 2 and 227 lb uplift at joint 8.
- 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.





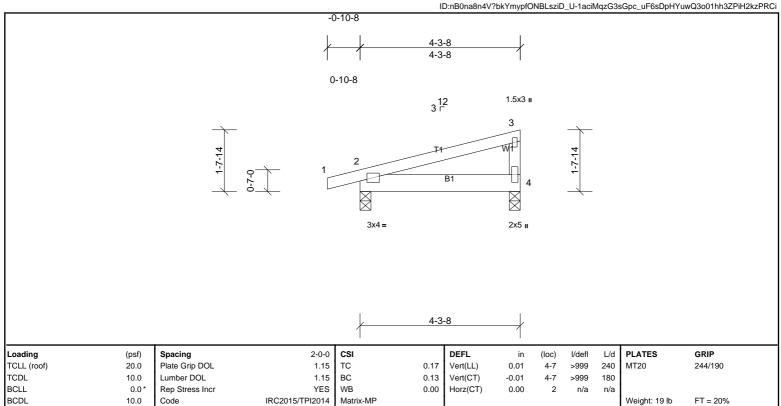




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Structural wood sheathing directly applied or 4-3-8 oc purlins, except end

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



BOT CHORD

LUMBER BRACING TOP CHORD

2=224/0-3-8, (min. 0-1-8), 4=160/0-3-8, (min. 0-1-8)

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

WEBS 2x4 SP No.3

> Max Horiz 2=54 (LC 6)

Max Uplift 2=-107 (LC 6), 4=-78 (LC 6)

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

FORCES NOTES

REACTIONS

Unbalanced roof live loads have been considered for this design.

(lb/size)

- 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 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
- 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 78 lb uplift at joint 4 and 107 lb uplift at joint 2.
- 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.







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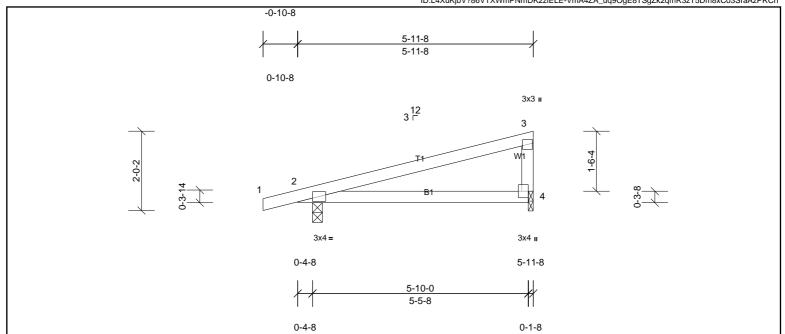


Plate Offsets (X, Y): [4	:Edge,0-2-0]
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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.31	Vert(LL)	0.07	4-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.26	Vert(CT)	-0.05	4-9	>999	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-MSH							Weight: 21 lb	FT = 20%

LUMBER BRACING

TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 5-11-8 oc purlins, except end 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) 2=309/0-3-0, (min. 0-1-8), 4=209/0-1-8, (min. 0-1-8) Max Horiz 2=70 (LC 6)

2=-145 (LC 6), 4=-99 (LC 6) Max Uplift

(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.
- 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 exposed; porch left and right exposed; C-C for members and
- forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing 5)
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 145 lb uplift at joint 2 and 99 lb uplift at joint 4.
- 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

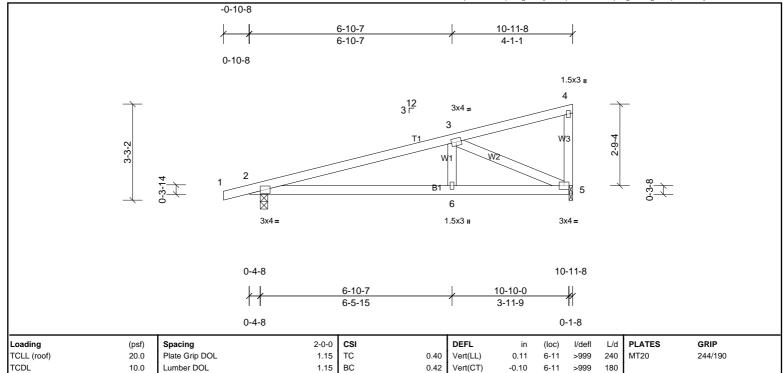






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0.30

BOT CHORD

Horz(CT)

0.01

5

n/a n/a

Rigid ceiling directly applied or 6-3-14 oc bracing.

Weight: 46 lb

Structural wood sheathing directly applied or 5-10-15 oc purlins, except end

FT = 20%

LUMBER BRACING 2x4 SP No.2 TOP CHORD

TOP CHORD BOT CHORD 2x4 SP No.2

WEBS 2x4 SP No.3

> (lb/size) 2=505/0-3-0, (min. 0-1-8), 5=413/0-1-8, (min. 0-1-8) Max Horiz 2=121 (LC 6)

Max Uplift 2=-225 (LC 6), 5=-197 (LC 6)

Code

Rep Stress Incr

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

TOP CHORD 2-3=-779/691

BOT CHORD 2-6=-756/720, 5-6=-756/720 **WEBS** 3-6=-256/241, 3-5=-780/819

NOTES

REACTIONS

BCLL

BCDL

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

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 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

YES WB

Matrix-MSH

IRC2015/TPI2014

- 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. 4)
- 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 225 lb uplift at joint 2 and 197 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.







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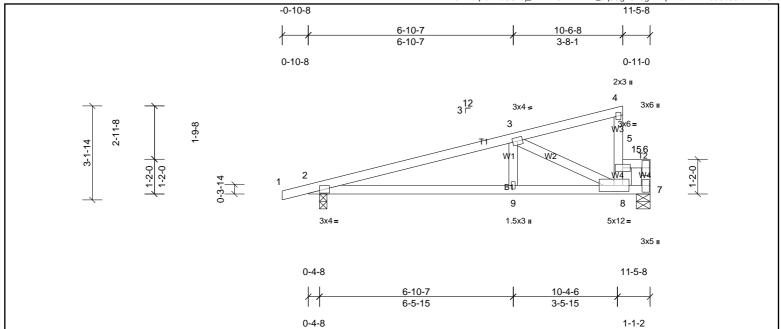


Plate Offsets (X, Y):	[7:0-2-12,0-1-8]
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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.97	Vert(LL)	0.11	9-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.10	9-14	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.25	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 49 lb	FT = 20%

LUMBER BRACING

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

verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-8, 5-6. BOT CHORD Rigid ceiling directly applied or 5-10-5 oc bracing. 2x4 SP No 3 WEBS

REACTIONS (lb/size) 2=539/0-3-0, (min. 0-1-8), 7=919/0-5-8, (min. 0-1-8)

Max Horiz 2=154 (LC 6) Max Unlift

2=-235 (LC 6), 7=-411 (LC 6)

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

TOP CHORD 2-3=-910/782, 6-7=-544/541 **BOT CHORD** 2-9=-903/846, 8-9=-903/846 3-9=-283/263, 3-8=-763/793 WEBS

NOTES

- Unbalanced roof live loads have been considered for this design. 1)
- 2) 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.
- * 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 411 lb uplift at joint 7 and 235 lb uplift at joint 2.
- 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) Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments. 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 569 lb down and 495 lb up at 11-0-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

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

Uniform Loads (lb/ft)

Vert: 1-4=-60, 5-6=-60, 7-10=-20

Concentrated Loads (lb)

Vert: 15=-500



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





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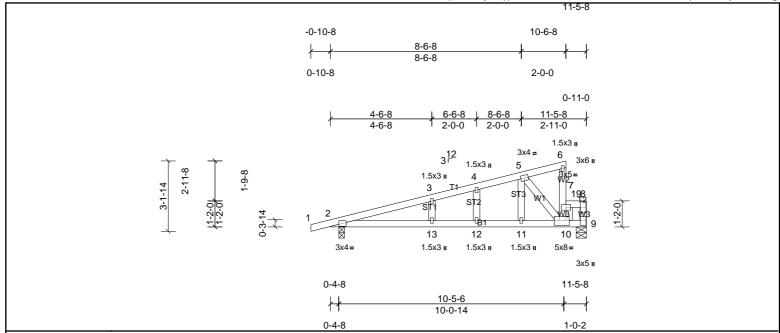


Plate Offsets (X, Y):	[9:0-2-12,0-1-8], [10:0-2-12,0-2-12]
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					-							
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.69	Vert(LL)	0.24	13-18	>564	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.84	Vert(CT)	-0.25	13-18	>536	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.27	Horz(CT)	0.01	9	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 51 lb	FT = 20%

LUMBER **BRACING**

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

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

REACTIONS 2=539/0-3-0, (min. 0-1-8), 9=919/0-5-8, (min. 0-1-8) (lb/size)

2=154 (LC 6) Max Horiz

Max Uplift 2=-235 (LC 6), 9=-411 (LC 6)

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

TOP CHORD 2-3=-748/617, 3-4=-717/623, 4-5=-699/633, 8-9=-513/509 **BOT CHORD** 2-13=-746/696, 12-13=-746/696, 11-12=-746/696, 10-11=-746/696

WFBS 5-11=-484/431 5-10=-882/916

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) -0-10-8 to 11-3-12 zone; cantilever left and right exposed; end vertical left exposed; porch left and right exposed; cantilever left exp 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.
- Provide adequate drainage to prevent water ponding.
- 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
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 411 lb uplift at joint 9 and 235 lb uplift at joint 2.
- 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/
- 10 Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 569 lb down and 495 lb up at 11-0-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

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

Uniform Loads (lb/ft)

Vert: 1-6=-60, 7-8=-60, 9-14=-20

Concentrated Loads (lb) Vert: 19=-500



Structural wood sheathing directly applied or 5-7-12 oc purlins, except end

verticals, and 2-0-0 oc purlins (6-0-0 max.): 7-10, 7-8.

Rigid ceiling directly applied or 5-10-15 oc bracing.



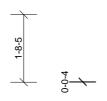


Job	Truss	Truss Type	Qty	Ply	Prof - SELMA ENGLISH COUNTRY GR RF
72510345	V1	Truss	2	1	Job Reference (optional)
LIED Mid Adams in LLO 5004 O A	IO OO Desilia esta esta NO Missala Olas	1 10.70.0.00 N	00 0005 5	D-1-4- 0 000 0	2 Mars 00 0005 MiTab la disatria a la a Fri Arra 40 47:00:00

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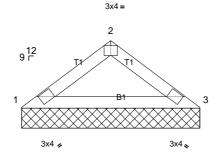




Plate Offsets (X, Y):	[2:0-2-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.12	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%
											1	

LUMBER **BRACING**

TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 4-5-8 oc purlins. BOT CHORD 2x4 SP No.2 **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=178/4-5-8, (min. 0-1-8), 3=178/4-5-8, (min. 0-1-8)

Max Horiz 1=-39 (LC 6)

Max Uplift 1=-22 (LC 10), 3=-22 (LC 11)

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

1-2=-255/63

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.
- 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 22 lb uplift at joint 1 and 22 lb uplift at joint 3.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. 7)



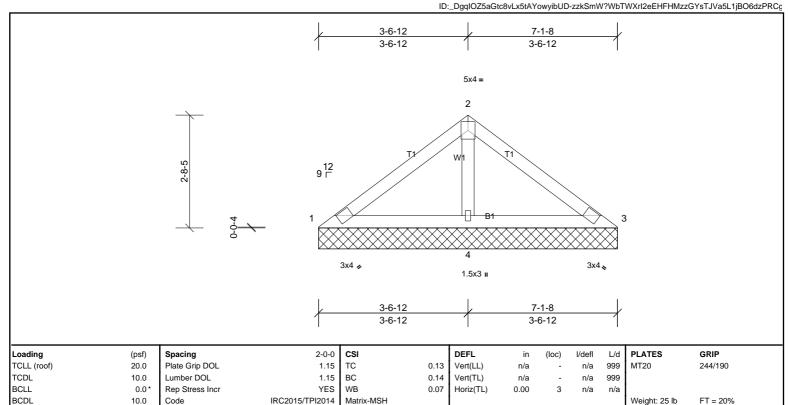






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LUMBER BRACING

TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 7-1-8 oc purlins. 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) 1=53/7-1-8, (min. 0-1-8), 3=53/7-1-8, (min. 0-1-8), 4=465/7-1-8, (min. 0-1-8)

1=65 (LC 7) Max Horiz

Max Uplift 3=-11 (LC 11), 4=-72 (LC 10)

1=75 (LC 21), 3=75 (LC 22), 4=465 (LC 1) Max Grav

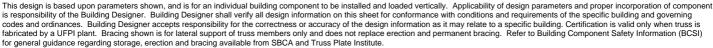
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

WEBS 2-4=-332/128

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 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)
- * 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 11 lb uplift at joint 3 and 72 lb uplift at joint 4.
- 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.**



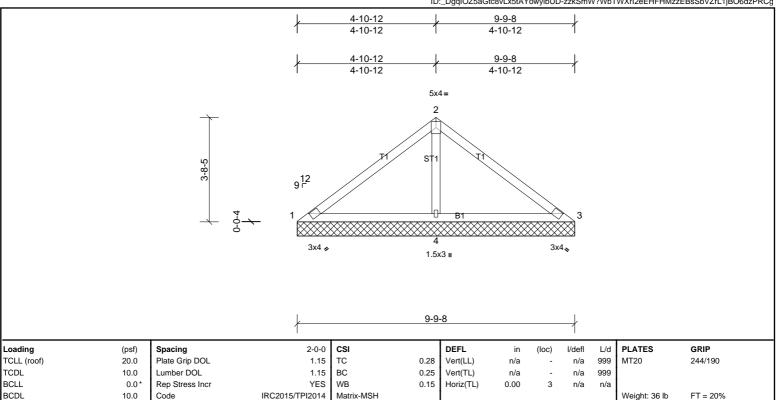






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LUMBER BRACING

TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 9-9-8 oc purlins. BOT CHORD 2x4 SP No.2 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 1=29/9-9-8, (min. 0-1-8), 3=29/9-9-8, (min. 0-1-8), 4=725/9-9-8, (min.

0-1-8) 1=-91 (LC 6) Max Horiz

Max Uplift 1=-28 (LC 22), 3=-28 (LC 21), 4=-128 (LC 10) 1=70 (LC 21), 3=70 (LC 22), 4=725 (LC 1) Max Grav

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

TOP CHORD 1-2=-98/321, 2-3=-98/321 **BOT CHORD** 1-4=-264/149, 3-4=-264/149

WEBS 2-4=-555/220

2x4 SP No.3

NOTES

OTHERS

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Gable requires continuous bottom chord bearing.
- 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
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 28 lb uplift at joint 1, 28 lb uplift at joint 3 and 128 lb uplift
- 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ TPI 1.



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





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LUMBER BRACING

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

OTHERS 2x4 SP No.3

REACTIONS (lb/size) 1=86/12-5-8, (min. 0-1-8), 3=58/12-5-8, (min. 0-1-8), 4=820/12-5-8, (min.

0-1-8) Max Horiz

Max Uplift 1=-27 (LC 6), 3=-78 (LC 21), 4=-214 (LC 10) 1=111 (LC 18), 3=162 (LC 22), 4=838 (LC 17) Max Grav

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

TOP CHORD 1-2=-155/389, 2-3=-116/344

WEBS 2-4=-633/244

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) Gable requires continuous bottom chord bearing
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 27 lb uplift at joint 1, 78 lb uplift at joint 3 and 214 lb uplift at joint 4.
- 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

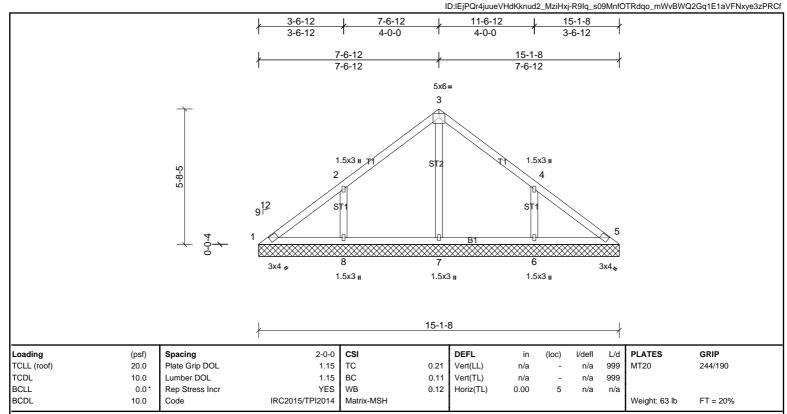






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LUMBER BRACING

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

OTHERS 2x4 SP No.3

> All bearings 15-1-8 (lb) - Max Horiz 1=142 (LC 7)

Max Uplift All uplift 100 (lb) or less at joint(s) 1 except 6=-172 (LC 11), 8=-171 (LC

All reactions 250 (lb) or less at joint(s) 1, 5 except 6=369 (LC 18), 7=286 Max Grav

(LC 1), 8=386 (LC 17)

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

WEBS 2-8=-289/206, 4-6=-284/206

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
- 3) Gable requires continuous bottom chord bearing.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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 100 lb uplift at joint(s) 1 except (jt=lb) 8=170, 6=172.
- 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.

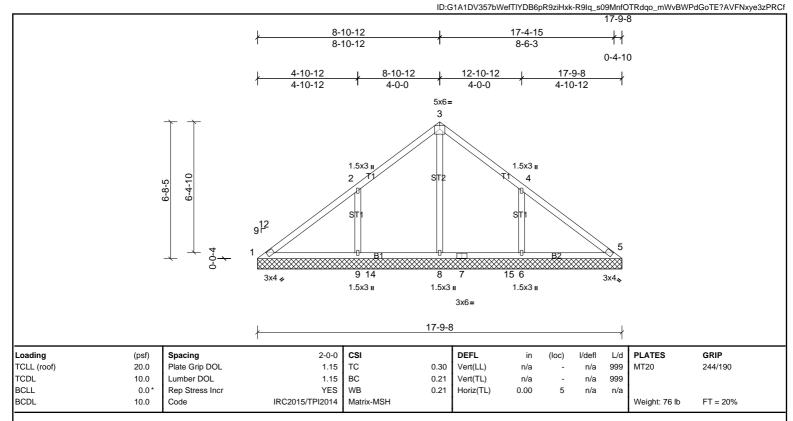






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LUMBER BRACING

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

OTHERS 2x4 SP No.3

REACTIONS All bes

ACTIONS All bearings 17-9-8.

(Ib) - Max Horiz 1=168 (LC 7)

Max Uplift All uplift 100 (lb) or less at joint(s) 1 except 6=-206 (LC 11), 9=-205 (LC

10)

Max Grav All reactions 250 (lb) or less at joint(s) 1, 5 except 6=486 (LC 18), 8=453

(LC 17), 9=503 (LC 17)

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

WEBS 3-8=-266/4, 2-9=-337/236, 4-6=-331/236

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 for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Gable requires continuous bottom chord bearing.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 9=204, 6=205.
- 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.







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Plate Offsets (X, Y): [4:0-1-14,Edge], [6:0-1-14,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.19	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.11	Horiz(TL)	0.01	9	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 90 lb	FT = 20%

LUMBER **BRACING** TOP CHORD

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

BOT CHORD 2x4 SP No.3 OTHERS

REACTIONS All bearings 20-5-8. 1=-156 (LC 6) (lb) - Max Horiz

> All uplift 100 (lb) or less at joint(s) 1, 9, 12 except 10=-115 (LC 11), Max Unlift

11=-129 (LC 11), 14=-132 (LC 10), 15=-121 (LC 10) Max Grav

All reactions 250 (lb) or less at joint(s) 1, 9 except 10=301 (LC 18), 11=386 (LC 18), 12=355 (LC 2), 14=390 (LC 17), 15=308 (LC 17)

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

WEBS 2-15=-251/178, 8-10=-251/177

NOTES

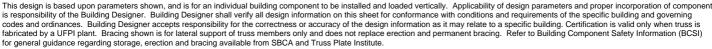
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only
- 4) Provide adequate drainage to prevent water ponding.
- 5) All plates are 1.5x3 (||) MT20 unless otherwise indicated.
- 6) Gable requires continuous bottom chord bearing.
- 7) Gable studs spaced at 4-0-0 oc.
- 8) 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 9) the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 9, 12 except (jt=lb) 14=132, 10
- 15=120, 11=129, 10=115.
- 11 This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- 12) 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 6-0-0 oc purlins, except

2-0-0 oc purlins (6-0-0 max.): 4-6

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







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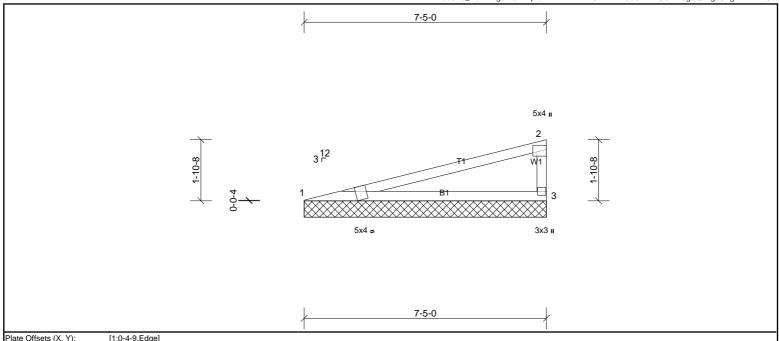


Plate Offsets (X, Y):	[1:0-4-9,Edge]
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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defI	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.57	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15	BC	0.74	Vert(TL)	n/a	-	n/a	999			
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.02	3	n/a	n/a			
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 23 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) 1=291/7-5-0, (min. 0-1-8), 3=291/7-5-0, (min. 0-1-8) Max Horiz 1=68 (LC 6)

1=-52 (LC 6), 3=-67 (LC 6) Max Uplift

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

TOP CHORD 1-2=-874/310 **BOT CHORD** 1-3=-383/840

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 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 67 lb uplift at joint 3 and 52 lb uplift at joint 1.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ 7)



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



Job Truss Type Prof - SELMA ENGLISH COUNTRY GR RF Truss Qty Ply V9 1 72510345 Truss 1 Job Reference (optional) UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton Run: 12.73 S 8.83 Mar 20 2025 Print: 8.830 S Mar 20 2025 MiTek Industries, Inc. Fri Apr 18 17:00:05 Page: 1 $ID: 9b5A6_D0NABg31fOVrlqaczwkFW-vLrDBC1n74nF5bC1LiHlSO2bYg7SzVgeU1gVBVzPRCentral Control of the control of th$ 4-9-0 1.5x3 II 3 ¹² 2 ₩Ð 3x4 -1.5x3 II 4-9-0 Loading (psf) Spacing 2-0-0 CSI DEFL in I/defI L/d **PLATES** GRIP (loc) TCLL (roof) 20.0 Plate Grip DOL 1.15 TC 0.23 Vert(LL) 999 MT20 244/190 n/a n/a TCDL 10.0 Lumber DOL 1.15 BC 0.29 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 IRC2015/TPI2014 FT = 20% 10.0 Matrix-MP Weight: 13 lb Code LUMBER BRACING

TOP CHORD 2x4 SP No.2 TOP CHORD

Structural wood sheathing directly applied or 4-9-0 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) 1=184/4-9-0, (min. 0-1-8), 3=184/4-9-0, (min. 0-1-8)

> Max Horiz 1=41 (LC 6)

Max Uplift 1=-33 (LC 6), 3=-42 (LC 6)

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

TOP CHORD 1-2=-456/181 **BOT CHORD** 1-3=-224/436

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 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)
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 42 lb uplift at joint 3 and 33 lb uplift at joint 1. 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)







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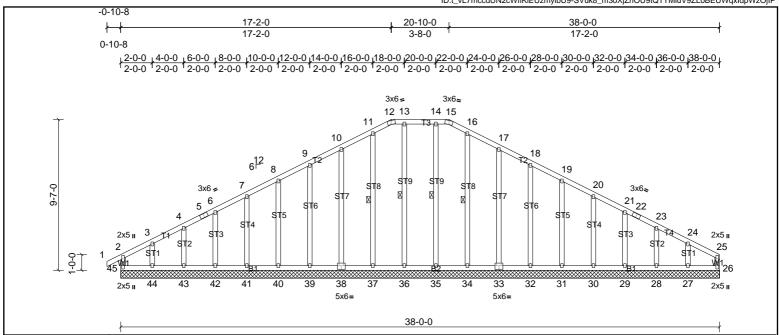


Plate Offsets (X, Y): [22:0-0-0,0-0-0], [33:0-3-0,0-3-0], [38:0-3-0,0-3-0]

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	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	26	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 267 lb	FT = 20%

BOT CHORD

WFBS

LUMBER BRACING 2x4 SP No.2 TOP CHORD

TOP CHORD BOT CHORD 2x4 SP No.2 WEBS

2x4 SP No.3

2x4 SP No.3

All bearings 38-0-0 (lb) - Max Horiz 45=147 (LC 7)

Max Uplift All uplift 100 (lb) or less at joint(s) 26, 28, 29, 30, 31, 32, 33, 38, 39, 40, 41, 42, 43, 45 except 27=-122 (LC 11), 44=-139 (LC 10) All reactions 250 (lb) or less at joint(s) 26, 27, 28, 29, 30, 31, 32, 33, 34, Max Grav

35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45

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

TOP CHORD 9-10=-110/262, 10-11=-131/319, 11-12=-134/329, 12-13=-124/324, 13-14=-124/324, 14-15=-124/324, 15-16=-134/329, 16-17=-131/319, 17-18=-110/262

NOTES

OTHERS

REACTIONS

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only
- 4) Provide adequate drainage to prevent water ponding
- 5) All plates are 2x3 (||) MT20 unless otherwise indicated
- 6) Gable requires continuous bottom chord bearing.
- 7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 8) Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 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 10 the bottom chord and any other members.
- 11 Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 45, 26, 38, 39, 40, 41, 42, 43, 33, 32, 31, 30, 29, 28 except (jt=lb) 44=138, 27=122
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ 12
- 13) 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 6-0-0 oc purlins, except end

13-36, 14-35, 11-37, 16-34

verticals, and 2-0-0 oc purlins (6-0-0 max.): 12-15.

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

1 Row at midpt

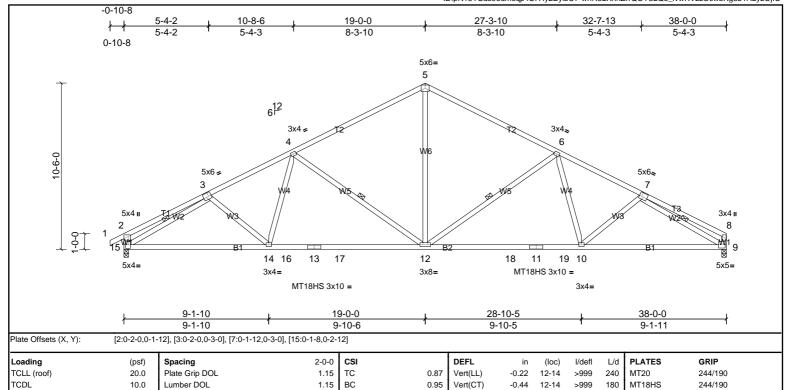






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LUMBER **BRACING**

TOP CHORD TOP CHORD 2x4 SP No.2 *Except* T2:2x4 SP No.1 Structural wood sheathing directly applied, except end verticals. BOT CHORD **BOT CHORD** 2x4 SP No.2 *Except* B2:2x4 SP No.1 Rigid ceiling directly applied or 2-2-0 oc bracing.

Matrix-MSH

2x4 SP No.3 WEBS WEBS 1 Row at midpt 3-15, 7-9, 4-12, 6-12

YES WB

IRC2015/TPI2014

REACTIONS (lb/size) 9=1508/0-3-8, (min. 0-1-12), 15=1570/0-3-8, (min. 0-1-14)

Rep Stress Incr

Code

Max Horiz 15=159 (LC 7)

0.0

10.0

Max Unlift 9=-203 (LC 11), 15=-226 (LC 10)

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

 $2 - 3 - 450/186, \ 3 - 4 - 2285/654, \ 4 - 5 - 1717/584, \ 5 - 6 - 1716/583, \ 6 - 7 - 2291/657, \ 7 - 8 - 372/134, \ 2 - 15 - 407/228, \ 8 - 9 - 295/135, \ 7 - 100/228, \ 8 - 100/228,$

BOT CHORD 14-15 = -481/1994, 14-16 = -395/1949, 13-16 = -395/1949, 13-17 = -395/1949, 12-17 = -395/1949, 12-18 = -396/1950, 11-18 = -396/1950, 11-19 = -396/1950, 10-19 = -396/1950, 10-19 = -396/1950, 10-19 = -395/1949, 12-18 = -396/1950, 11-18 = -396/1950, 11-19 = -39WEBS

0.55

Horz(CT)

0.12

9

n/a

n/a

Weight: 217 lb

FT = 20%

3-15=-1984/491, 7-9=-2073/549, 4-14=0/340, 4-12=-679/308, 5-12=-247/985, 6-12=-680/309, 6-10=0/343

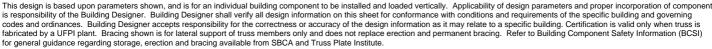
NOTES

BCLL

BCDI

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) 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. 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 226 lb uplift at joint 15 and 203 lb uplift at joint 9.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ 7) TPI 1.







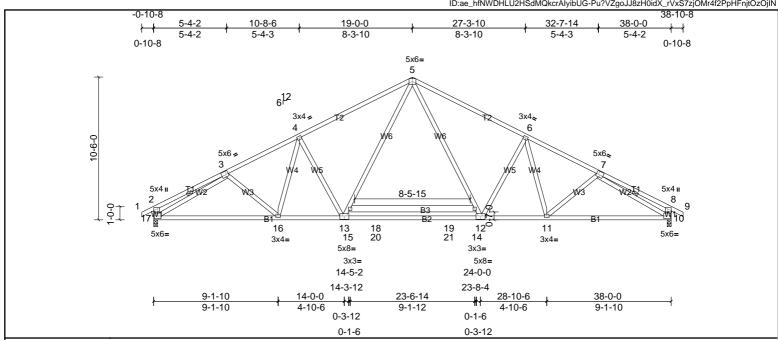


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Page: 1 ID:ae_hfNWDHLU2HSdMQkcrAlyibUG-Pu?VZgoJJ8zH0idX_rVxS7zjOMr4f2PpHFnjtOzOjIN

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

3-17, 7-10



[3:0-1-12,0-3-0], [7:0-1-12,0-3-0], [12:0-4-0,0-3-0], [13:0-4-0,0-3-0] 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	0.70	Vert(LL)	-0.36	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.87	Vert(CT)	-0.69	12-13	>657	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.11	10	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH		1					Weight: 249 lb	FT = 20%

WEBS

1 Row at midpt

LUMBER BRACING

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

Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 14-15. BOT CHORD 2x4 SP No.3 WEBS

(lb/size) 10=1664/0-3-8, (min. 0-1-15), 17=1664/0-3-8, (min. 0-1-15) Max Horiz 17=155 (LC 9)

Max Unlift 10=-169 (LC 11), 17=-169 (LC 10)

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

TOP CHORD 2-3-486/167, 3-4=-2468/553, 4-5=-2302/582, 5-6=-2302/582, 6-7=-2468/553, 7-8=-486/167, 2-17=-424/218, 8-10=-4**BOT CHORD** 16-17=-362/2130, 13-16=-257/2158, 13-18=-37/1698, 18-19=-37/1698, 12-19=-37/1698, 11-12=-257/2158, 10-11=-362/2130 WEBS 3-17=-2109/412, 7-10=-2109/412, 4-13=-542/308, 13-15=-193/696, 5-15=-137/904, 5-14=-137/904, 12-14=-193/696, 6-12=-542/308

NOTES

REACTIONS

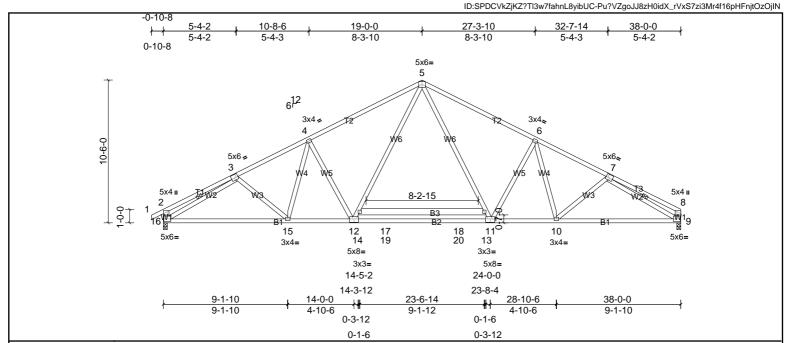
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (enveloped and the control of th exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; 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, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 169 lb uplift at joint 17 and 169 lb uplift at joint 10.
- 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/







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[3:0-1-12,0-3-0], [7:0-1-12,0-3-0], [11:0-4-0,0-3-0], [12:0-4-0,0-3-0] 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	0.72	Vert(LL)	-0.36	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.87	Vert(CT)	-0.69	11-12	>656	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.11	9	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 247 lb	FT = 20%

BRACING

TOP CHORD

BOT CHORD

WEBS

LUMBER TOP CHORD 2x4 SP SS *Except* T1.T3:2x4 SP No.2

BOT CHORD 2x4 SP No.1 *Except* B3:2x6 SP No.1 2x4 SP No.3 WEBS

REACTIONS (lb/size) 9=1602/0-3-8, (min. 0-1-14), 16=1665/0-3-8, (min. 0-1-15)

Max Horiz 16=159 (LC 7)

Max Unlift 9=-146 (LC 11), 16=-169 (LC 10)

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

TOP CHORD **BOT CHORD** $15-16=-399/2132,\ 12-15=-294/2159,\ 12-17=-74/1700,\ 17-18=-74/1700,\ 11-18=-74/1700,\ 10-11=-294/2160,\ 9-10=-405/2145$ WEBS 3-16=-2110/413, 7-9=-2202/468, 4-12=-542/308, 12-14=-193/696, 5-14=-137/903, 5-13=-138/905, 11-13=-194/698, 6-11=-544/309

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) 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, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 169 lb uplift at joint 16 and 146 lb uplift at joint 9.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ 6)



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

3-16, 7-9

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

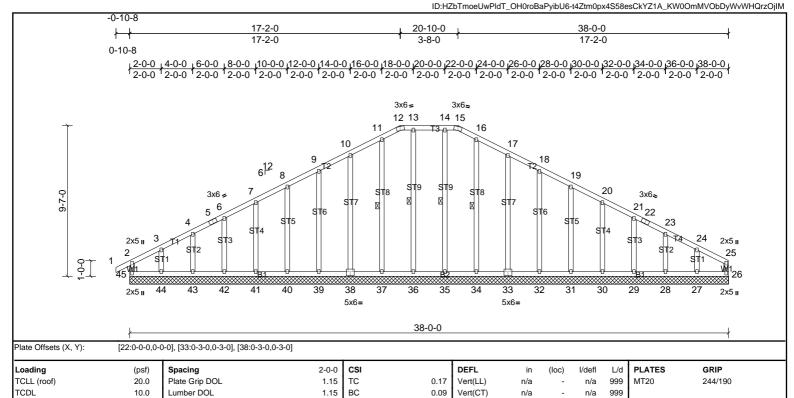
1 Row at midpt





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BRACING

TOP CHORD

0.14

Horz(CT)

Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 12-15.

Weight: 267 lb

FT = 20%

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

0.01

WFBS 1 Row at midpt 13-36, 14-35, 11-37, 16-34

26

n/a n/a

2x4 SP No.3 REACTIONS All bearings 38-0-0

2x4 SP No.2

2x4 SP No.2

2x4 SP No.3

(lb) - Max Horiz 45=147 (LC 7)

0.0

10.0

Max Uplift All uplift 100 (lb) or less at joint(s) 26, 28, 29, 30, 31, 32, 33, 38, 39, 40, 41, 42, 43, 45 except 27=-122 (LC 11), 44=-139 (LC 10) All reactions 250 (lb) or less at joint(s) 26, 27, 28, 29, 30, 31, 32, 33, 34, Max Grav

35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45

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

Rep Stress Incr

Code

9-10=-110/262, 10-11=-131/319, 11-12=-134/329, 12-13=-124/324, 13-14=-124/324, 14-15=-124/324, 15-16=-134/329, 16-17=-131/319, 17-18=-110/262

NOTES

BCLL

BCDI

LUMBER

WEBS

OTHERS

TOP CHORD

BOT CHORD

- 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

YES WB

Matrix-MR

IRC2015/TPI2014

- 3) Truss designed for wind loads in the plane of the truss only
- 4) Provide adequate drainage to prevent water ponding
- 5) All plates are 2x3 (||) MT20 unless otherwise indicated
- 6) Gable requires continuous bottom chord bearing.
- 7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 8) Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 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 10 the bottom chord and any other members.
- 11 Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 45, 26, 38, 39, 40, 41, 42, 43, 33, 32, 31, 30, 29, 28 except (jt=lb) 44=138, 27=122
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ 12
- 13) 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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ID:2qY4tjXr2ecuubCY_S74jVyibUF-t4Ztm0px4S58esCkYZ1A_KW0EmMVOciyWvWHQrzOjIM 13-0-12 3-0-12 17-0-12 20-1-8 11-0-12 1-0-12 15-0-12 19-0-12 15-0-12₁7-0-12₁9-0-12 12-0-0 12-0-0 12-0-0 1-0-12 2-0-0 2-0-0 2-0-0 2-0-0 2-0-0 1-0-12 2-0-0 -0-10-8 21-0-0 7-8-12 12-4-12 20-1-8 ╁╌┤ 7-8-12 4-8-0 7-8-12 0-10-8 0-10-8 3x6 3x6 = 8 9 10 7 6 9¹² 12 6-0-2 2x3 ı 2x3 ı 14 15 19 26 18 2x31 5x6: 20-1-8

[1.0 1 14,Eugo], [10.0 1 14,Eugo], [24.0 0 0,0 0 0]	Plate Offsets (X, Y):	[7:0-1-14,Edge], [10:0-1-14,Edge], [24:0-3-0,0-3-0]
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Loading	(psf)	Spacing	2-0-0	CSI	1	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.18	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00	17	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR	i					1	Weight: 136 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

OTHERS 2x4 SP No.3

REACTIONS All bearings 20-1-8

(lb) - Max Horiz 28=-207 (LC 8)

All uplift 100 (lb) or less at joint(s) 19, 22, 23, 26 except 17=-128 (LC 7) Max Uplift 18=-164 (LC 11), 20=-101 (LC 11), 25=-102 (LC 10), 27=-172 (LC 10), 28=-162 (LC 6)

Max Grav All reactions 250 (lb) or less at joint(s) 17, 18, 19, 20, 21, 22, 23, 24, 25,

26, 27, 28

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
- 3) Truss designed for wind loads in the plane of the truss only.
- 4) Provide adequate drainage to prevent water ponding
- All plates are 1.5x3 (||) MT20 unless otherwise indicated 5)
- 6) Gable requires continuous bottom chord bearing
- 7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web)
- 8) Gable studs spaced at 2-0-0 oc.
- 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 23, 22, 26, 19 except (jt=lb) 28=161, 17=127, 25=101, 27=172, 20=101, 18=163.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ 12)
- 13) 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 6-0-0 oc purlins, except end

verticals, and 2-0-0 oc purlins (6-0-0 max.): 7-10.

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

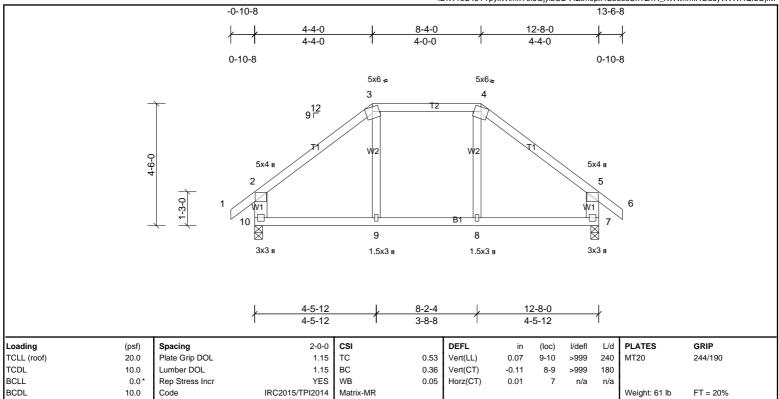






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Page: 1



BOT CHORD

LUMBER BRACING TOP CHORD

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

WEBS 2x6 SP No.2 *Except* W2:2x4 SP No.3

REACTIONS (lb/size) 7=555/0-3-8, (min. 0-1-8), 10=555/0-3-8, (min. 0-1-8)

> Max Horiz 10=143 (LC 9)

Max Uplift 7=-68 (LC 11), 10=-68 (LC 10)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-505/153, 3-4=-327/169, 4-5=-505/153, 2-10=-478/196, 5-7=-478/196 **BOT CHORD**

9-10=-46/335, 8-9=-43/337, 7-8=-43/333

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, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 68 lb uplift at joint 10 and 68 lb uplift at joint 7.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- 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 6-0-0 oc purlins, except end

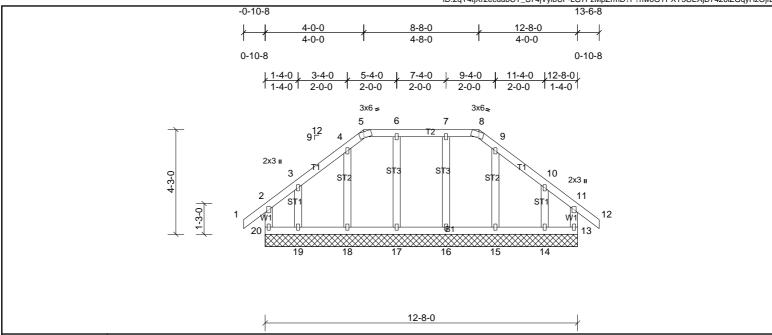
verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4. Rigid ceiling directly applied or 10-0-0 oc bracing.





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Page: 1 $ID: 2qY4tjXr2ecuubCY_S74jVyibUF-LG7FzMpZrmD?F?nw6GYPXY3CEAjD7426lZGqyHzOjlLyibUF-LG7FzMpZrmD?FyM$



[Plate Offsets (X, Y):	[5:0-1-14,Edge], [8:0-1-14,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	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	13	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR	i						Weight: 72 lb	FT = 20%
		1		1								

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 12-8-0.

(lb) - Max Horiz 20=-134 (LC 8) Max Uplift

All uplift 100 (lb) or less at joint(s) 13, 15, 16, 17, 18, 20 except 14=-116 (LC 11), 19=-118 (LC 10) Max Grav All reactions 250 (lb) or less at joint(s) 13, 14, 15, 16, 17, 18, 19, 20 (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

FORCES NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only.
- 4) Provide adequate drainage to prevent water ponding
- 5) All plates are 1.5x3 (||) MT20 unless otherwise indicated
- 6) Gable requires continuous bottom chord bearing.
- 7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2-0-0 oc.
- 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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 10 the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 20, 13, 17, 16, 18, 15 except (it=lb) 11 19=117, 14=116.
- 12 This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- 13) 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 6-0-0 oc purlins, except end

verticals, and 2-0-0 oc purlins (10-0-0 max.): 5-8.

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





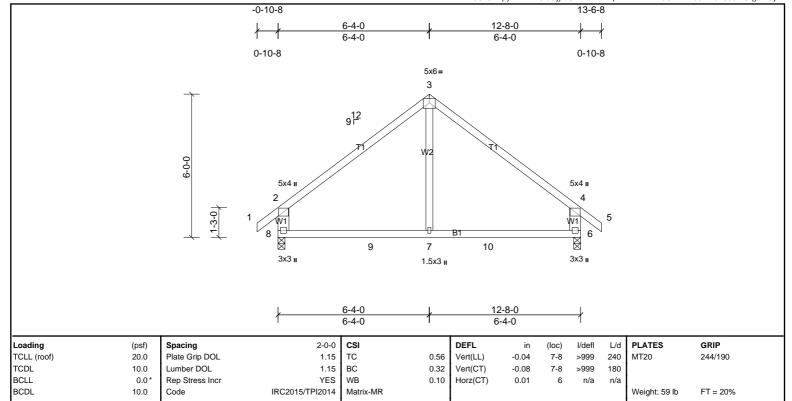


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Page: 1 ID: W16S43YTpyllWlmkY9fJGjyibUE-LG7FzMpZrmD?F?nw6GYPXY352Af97356lZGqyHzOjlLg7fynw6GYPXY354Af97356lZGqyHzOjlLg7fynw6GYPXY354Af97356lZGqyHzOjlLg7fynw6GYPXY354Af9746lYfynw6GYPXY354Af9746lYfynw6GYPXY354Af9746lYfynw6GYPXY354Af9746lYfynw6GYPXY40Af9746lYfynw6GYPXY40Af9746lYfynw6GYPXY40Af9746lYfynw6GYPXY40Af9746lYfynw6GYPXY40Af9746lYfynw6GYPXY40Af9746lYfynw6GYPXY40Af9746lYfynw6GYPXY40Af9746lYfynw6GYPXY40Af9746lYfynw6GYPXY40Aff9746lYfynw6GYPXY40Aff746lYfynw6GYPXY40Aff746lYfynw6GYPXY40Aff746lYfynw6GYPXY40Aff746lYfynw6GYPX40Aff746lYfynw6GYPX40Aff746lYfynw6GYPX40Aff746lYfynw6GYPX40Aff746lYfynw6GYPX40Aff746lYfynw6GYPX40Aff746lYfynw6GYPX40Aff746lYfynw6GYPX40Aff746lYfynw6GYPX40Aff746lYfynw6GYPX40Aff746lYfynw6GYPX40Aff746lYfynw6GYPX40Aff746lYfynw6GYPX40Aff746lYfynw6GYPY40Aff746lYfynw6GYPY40Aff746lYfynw6GYPY40Aff746lYfynw6GYPY40Aff746lYfynw6GYPY40Aff746lYfynw6GYPY40Aff746lYfynw6GYPY40Aff746lYfynw6GYPY40Aff746lYfynw6GYPY40Aff7

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

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



BOT CHORD

LUMBER BRACING TOP CHORD

TOP CHORD 2x4 SP No.2

2x4 SP No.2 BOT CHORD

WEBS 2x6 SP No.2 *Except* W2:2x4 SP No.3

REACTIONS (lb/size) 6=555/0-3-8, (min. 0-1-8), 8=555/0-3-8, (min. 0-1-8)

> Max Horiz 8=-181 (LC 8)

Max Uplift 6=-78 (LC 11), 8=-78 (LC 10) Max Grav 6=575 (LC 18), 8=575 (LC 17)

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

TOP CHORD 2-3=-537/141, 3-4=-537/141, 2-8=-503/205, 4-6=-504/205 **BOT CHORD** 8-9=-5/377, 7-9=-5/377, 7-10=-5/377, 6-10=-5/377

3-7=0/276

WEBS 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
- 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, with BCDL = 10.0psf.
- 5) 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.
- 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 PBS\SELMA ENGLISH COUNTRY LH RF Truss Truss Type Qty Ply C3L 2 72510345 1 Truss Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

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6-4-0 12-8-0 6-4-0 6-4-0 5x6= 2 9¹² 5x4= 5x4= اج-اج-R1 Ř 8 9 6 10 11 5 12 5x4= 5x4= 5x8 II 5x8 ı HUS26 HUS26 HUS26 HUS26 HUS26 HUS26 12-8-0 4-2-0 8-6-0 12-6-4 4-4-0 4-0-4 4-0-4 0-1-12 0-1-12

[1:0-2-4,0-2-12], [3:0-2-4,0-2-12], [5:0-4-12,0-2-4], [6:0-4-12,0-2-4] Plate Offsets (X, Y):

- 1													
Lo	oading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TO	CLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.87	Vert(LL)	-0.05	5-6	>999	240	MT20	244/190
TO	CDL	10.0	Lumber DOL	1.15	BC	0.73	Vert(CT)	-0.10	5-6	>999	180		
В	CLL	0.0*	Rep Stress Incr	NO	WB	0.75	Horz(CT)	0.01	4	n/a	n/a		
В	CDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH	l						Weight: 168 lb	FT = 20%

LUMBER **BRACING**

TOP CHORD TOP CHORD 2x4 SP No.2 Structural wood sheathing directly applied, except end verticals. BOT CHORD **BOT CHORD** 2x6 SP No.1 Rigid ceiling directly applied or 10-0-0 oc bracing.

WEBS 2x4 SP No.3 *Except* W1:2x4 SP No.2

REACTIONS (lb/size) 4=4812/0-3-8, (min. 0-1-8), 7=5671/0-3-8, (min. 0-1-8)

7=156 (LC 5) Max Horiz

Max Unlift 4=-486 (LC 9), 7=-572 (LC 8)

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

1-2=-5334/574, 2-3=-5118/553, 1-7=-4139/441, 3-4=-4011/428

BOT CHORD $7-8 = -252/798, \ 8-9 = -252/798, \ 6-9 = -252/798, \ 6-10 = -280/2972, \ 10-11 = -280/2972, \ 5-11 = -280/2972, \ 5-12 = -156/537, \ 4-12 = -15$ WEBS

1-6=-372/3594, 3-5=-376/3599, 2-6=-320/3352, 2-5=-272/2876

NOTES

- 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 0-6-0 oc. Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 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; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members
- Bearing at joint(s) 7, 4 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 572 lb uplift at joint 7 and 486 lb uplift at joint 4. 8)
- 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/
- 10 Use Simpson Strong-Tie HUS26 (14-16d Girder, 4-16d Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-3-7 from the left end to 10-8-9 to
- connect truss(es) to front face of bottom chord.
- Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

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

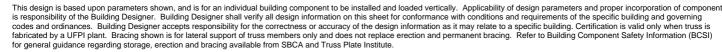
Uniform Loads (lb/ft)

Vert: 1-2=-60, 2-3=-60, 4-7=-20

Concentrated Loads (lb)

Vert: 5=-1582 8=-1582 9=-1582 10=-1582 11=-1582 12=-1582







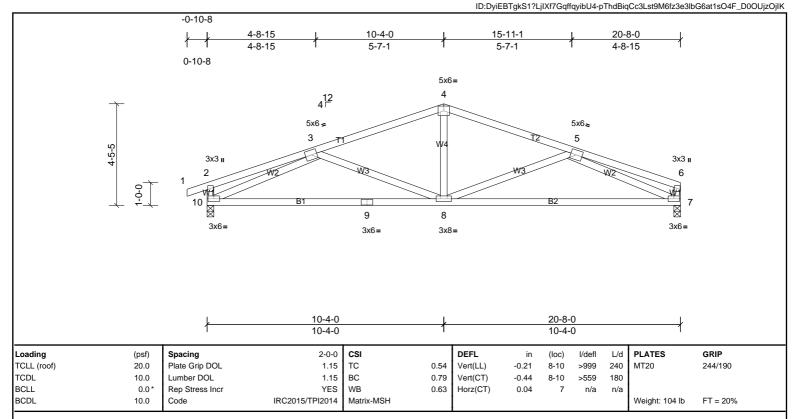


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verticals

BOT CHORD

Page: 1



LUMBER BRACING TOP CHORD

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2 *Except* B2:2x4 SP No.1

WEBS 2x4 SP No.3

REACTIONS (lb/size) 7=813/0-3-8, (min. 0-1-8), 10=878/0-3-8, (min. 0-1-8)

10=46 (LC 10) Max Horiz Max Uplift 7=-130 (LC 7), 10=-173 (LC 6)

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

TOP CHORD 2-3=-298/49. 3-4=-1184/314. 4-5=-1185/314. 5-6=-280/35. 2-10=-266/140 BOT CHORD 9-10=-347/1267, 8-9=-347/1267, 7-8=-354/1280

WEBS $4-8 = -19/464, \, 5-8 = -287/224, \, 3-8 = -275/221, \, 3-10 = -1170/409, \, 5-7 = -1205/429$

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. 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 173 lb uplift at joint 10 and 130 lb uplift at joint 7.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ 6) **TPI 1.**



Structural wood sheathing directly applied or 4-8-11 oc purlins, except end

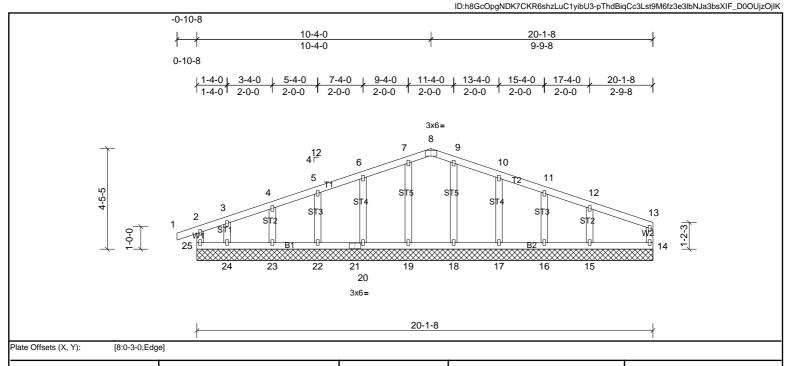
Rigid ceiling directly applied or 9-8-1 oc bracing.





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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	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	n/a	-	n/a	999			
BCLL	0.0*	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	14	n/a	n/a			
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 97 lb	FT = 20%	
						!					!		

BOT CHORD

 LUMBER
 BRACING

 TOP CHORD
 2x4 SP No.2
 TOP CHORD

 TOP CHORD
 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 20-1-8.

(lb) - Max Horiz 25=46 (LC 14) Max Uplift All uplift 100 (lb

Max Uplift All uplift 100 (lb) or less at joint(s) 14, 15, 16, 17, 19, 20, 22, 23, 24, 25

Max Grav All reactions 250 (lb) or less at joint(s) 14, 15, 16, 17, 18, 19, 20, 22, 23, 24, 25

24, 25

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

FORCES 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 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.
- 3) 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.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 25, 14, 19, 20, 22, 23, 24, 17, 16, 15.
- 11) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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

Rigid ceiling directly applied or 10-0-0 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.





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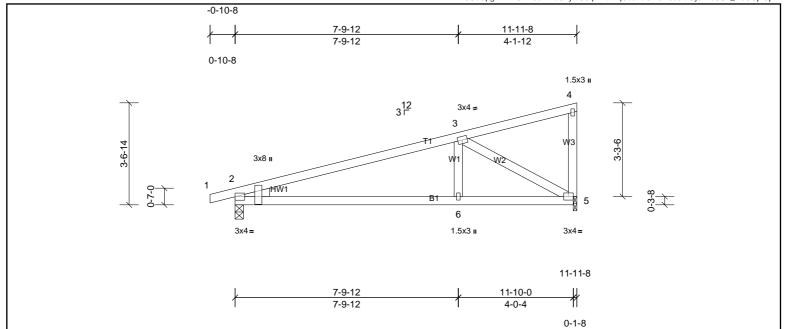


Plate Offsets (X, Y):	[2:Edge,0-1-	[2:Edge,0-1-7], [2:0-3-2,0-8-4]											
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.55	Vert(LL)	0.18	6-9	>770	240	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15	BC	0.54	Vert(CT)	-0.17	6-9	>849	180			
BCLL	0.0*	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.02	2	n/a	n/a			
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH		1					Weight: 53 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 6-1-15 oc bracing. 2x4 SP No.3 WEBS WEDGE Left: 2x4 SP No.2

REACTIONS 2=527/0-3-8, (min. 0-1-8), 5=471/0-1-8, (min. 0-1-8) (lb/size) Max Horiz 2=131 (LC 6)

Max Uplift 2=-230 (LC 6), 5=-227 (LC 6)

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

TOP CHORD 2-3=-775/680

BOT CHORD 2-6=-750/722, 5-6=-750/722 WFBS 3-6=-305/280, 3-5=-828/862

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 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
- 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 230 lb uplift at joint 2 and 227 lb uplift at joint 5. 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/ TPI 1.



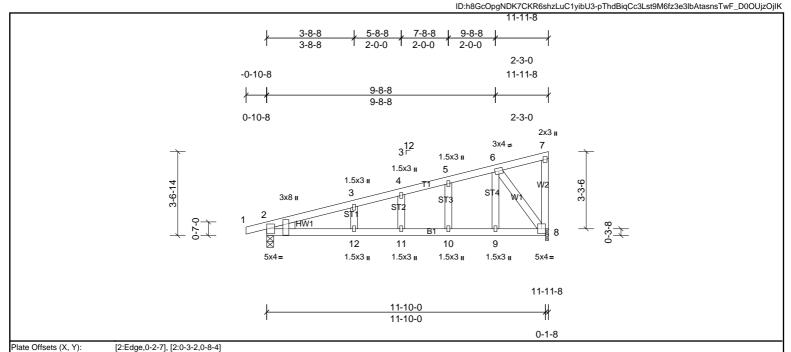
Structural wood sheathing directly applied or 5-6-13 oc purlins, except end



Job	Truss	Truss Type	Qty	Ply	PBS\SELMA ENGLISH COUNTRY LH RF
72510345	E1G	Truss	1	1	Job Reference (optional)

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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	0.94	Vert(LL)	0.41	11-12	>350	240	MT20	244/190	
TCDL	18.0	Lumber DOL	1.15	BC	0.87	Vert(CT)	-0.51	11-12	>277	180			
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.05	2	n/a	n/a			
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 58 lb	FT = 20%	

BRACING

TOP CHORD 2x4 SP No.2 TOP CHORD **BOT CHORD** 2x4 SP No.1

BOT CHORD Rigid ceiling directly applied or 6-10-3 oc bracing. 2x4 SP No.3 WEBS

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

REACTIONS (lb/size) 2=636/0-3-8, (min. 0-1-8), 8=565/0-1-8, (min. 0-1-8)

Max Horiz 2=131 (LC 6)

Max Uplift 2=-230 (LC 6), 8=-227 (LC 6)

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

2-3=-736/504, 3-4=-709/511, 4-5=-691/519, 5-6=-664/525

BOT CHORD 2-12=-587/678, 11-12=-587/678, 10-11=-587/678, 9-10=-587/678, 8-9=-587/678 WFBS

6-9=-492/504, 6-8=-1149/995

NOTES

5)

LUMBER

- 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 exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only.
- 4) Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between 6)
- 7) 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 surface
- 8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 8.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 230 lb uplift at joint 2 and 227 lb uplift at joint 8.
- 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.



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





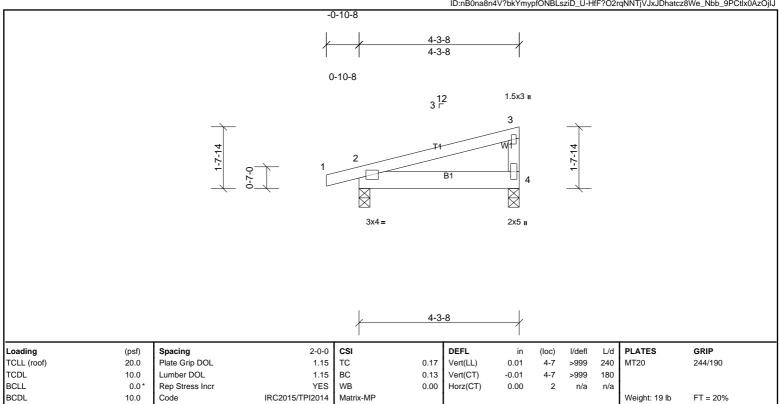


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Structural wood sheathing directly applied or 4-3-8 oc purlins, except end

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



BOT CHORD

LUMBER BRACING TOP CHORD

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

WEBS 2x4 SP No.3 REACTIONS (lb/size) 2=224/0-3-8, (min. 0-1-8), 4=160/0-3-8, (min. 0-1-8)

> Max Horiz 2=54 (LC 6)

Max Uplift 2=-107 (LC 6), 4=-78 (LC 6)

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.
- 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 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
- 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 78 lb uplift at joint 4 and 107 lb uplift at joint 2.
- 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.







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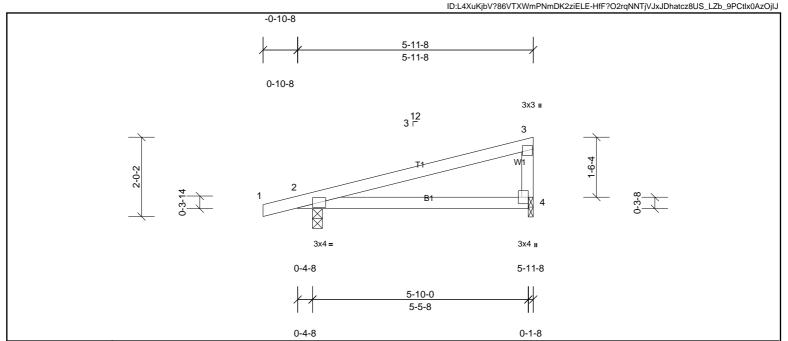


Plate Offsets (X,	Y):	[4:Edge,0-2-0]
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2x4 SP No 3

1-													
L	oading.	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defI	L/d	PLATES	GRIP
Т	CLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.31	Vert(LL)	0.07	4-9	>999	240	MT20	244/190
Т	CDL	10.0	Lumber DOL	1.15	BC	0.26	Vert(CT)	-0.05	4-9	>999	180		
В	BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
В	BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 21 lb	FT = 20%

LUMBER **BRACING**

TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 5-11-8 oc purlins, except end 2x4 SP No.2 **BOT CHORD** BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing

REACTIONS (lb/size) 2=309/0-3-0, (min. 0-1-8), 4=209/0-1-8, (min. 0-1-8)

> Max Horiz 2=70 (LC 6)

2=-145 (LC 6), 4=-99 (LC 6) Max Uplift

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.
- 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 exposed; porch left and right exposed; C-C for members and
- forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing 5)
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 145 lb uplift at joint 2 and 99 lb uplift at joint 4.
- 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

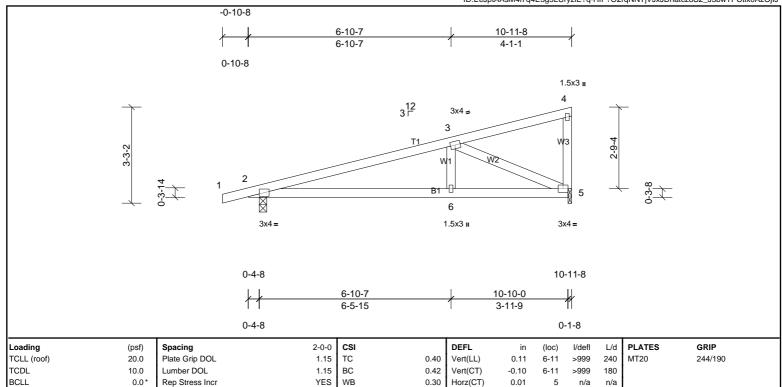








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LUMBER BRACING

TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 5-10-15 oc purlins, except end BOT CHORD 2x4 SP No.2 **BOT CHORD** Rigid ceiling directly applied or 6-3-14 oc bracing. WEBS 2x4 SP No.3

IRC2015/TPI2014

Matrix-MSH

REACTIONS (lb/size) 2=505/0-3-0, (min. 0-1-8), 5=413/0-1-8, (min. 0-1-8)

Code

Max Horiz 2=121 (LC 6) Max Uplift

2=-225 (LC 6), 5=-197 (LC 6)

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

TOP CHORD 2-3=-779/691 BOT CHORD 2-6=-756/720, 5-6=-756/720

WEBS 3-6=-256/241, 3-5=-780/819

NOTES

BCDL

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

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 exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members. 4)
- 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 225 lb uplift at joint 2 and 197 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.



Weight: 46 lb

FT = 20%



Job Truss Type PBS\SELMA ENGLISH COUNTRY LH RF Truss Qty G3 1 72510345 Truss 1 Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

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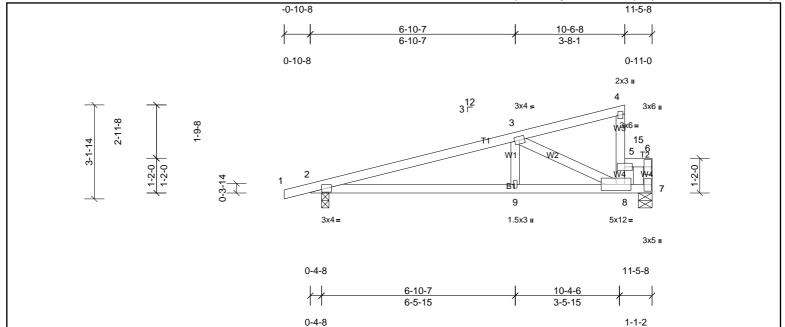


Plate Offsets (X, Y):	[7:0-2-12,0-1-8]
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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defI	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.97	Vert(LL)	0.11	9-14	>999	240	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.10	9-14	>999	180			
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.25	Horz(CT)	0.01	7	n/a	n/a			
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 49 lb	FT = 20%	

LUMBER **BRACING**

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

verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-8, 5-6. BOT CHORD Rigid ceiling directly applied or 5-10-5 oc bracing. 2x4 SP No 3 WEBS

REACTIONS (lb/size) 2=539/0-3-0, (min. 0-1-8), 7=919/0-5-8, (min. 0-1-8) Max Horiz 2=154 (LC 6)

2=-235 (LC 6), 7=-411 (LC 6) Max Unlift

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

TOP CHORD 2-3=-910/782, 6-7=-544/541 **BOT CHORD** 2-9=-903/846, 8-9=-903/846 3-9=-283/263, 3-8=-763/793 WEBS

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) 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.
- * 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 411 lb uplift at joint 7 and 235 lb uplift at joint 2.
- 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) Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments.
- 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord. 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 569 lb down and 495 lb up at 11-0-0 on top chord.

The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

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

Uniform Loads (lb/ft) Vert: 1-4=-60, 5-6=-60, 7-10=-20

Concentrated Loads (lb) Vert: 15=-500



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







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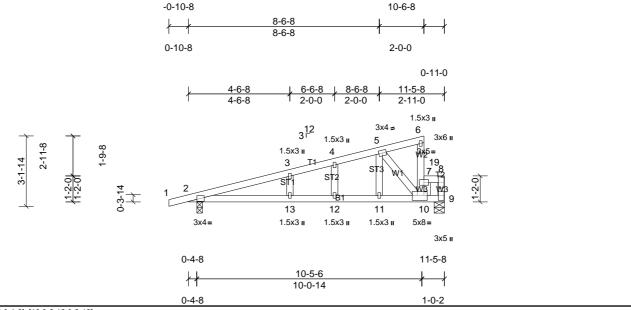


Plate Offsets (X, Y):	[9:0-2-12,0-1-8], [10:0-2-12,0-2-12]
riale Olisels (A, T).	[9.0-2-12,0-1-0], [10.0-2-12,0-2-12]

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	0.69	Vert(LL)	0.24	13-18	>563	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.84	Vert(CT)	-0.25	13-18	>537	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.27	Horz(CT)	0.01	9	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 51 lb	FT = 20%

LUMBER **BRACING**

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

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

REACTIONS 2=539/0-3-0, (min. 0-1-8), 9=919/0-5-8, (min. 0-1-8) (lb/size)

2=154 (LC 6) Max Horiz

Max Uplift 2=-235 (LC 6), 9=-411 (LC 6)

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

TOP CHORD 2-3=-748/617, 3-4=-717/623, 4-5=-699/633, 8-9=-513/509 **BOT CHORD** 2-13=-746/696, 12-13=-746/696, 11-12=-746/696, 10-11=-746/696

WFBS 5-11=-484/431 5-10=-882/916

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) -0-10-8 to 11-3-12 zone; cantilever left and right exposed; end vertical left exposed; porch left and right exposed; cantilever left exp 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.
- Provide adequate drainage to prevent water ponding.
- 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 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 411 lb uplift at joint 9 and 235 lb uplift at joint 2.
- 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/
- 10 Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments. Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 569 lb down and 495 lb up at 11-0-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

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

Uniform Loads (lb/ft)

Vert: 1-6=-60, 7-8=-60, 9-14=-20

Concentrated Loads (lb)

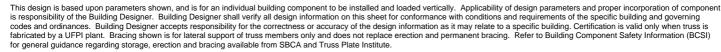
Vert: 19=-500



Structural wood sheathing directly applied or 5-7-12 oc purlins, except end

verticals, and 2-0-0 oc purlins (6-0-0 max.): 7-10, 7-8.

Rigid ceiling directly applied or 5-10-15 oc bracing.



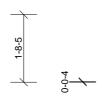


Job	ss III	russ Type	Qty	Ply	PBS\SELMA ENGLISH COUNTRY LH RF
72510345 V1	Ti	Fruss	2	1	Job Reference (optional)

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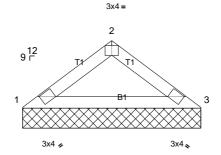




Plate Offsets (X, Y):	[2:0-2-0,Edge]
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Loading	(psf)	Spacing	2-0-0	CSI	1	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(TL)	n/a	-	n/a	999		
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	i						Weight: 13 lb	FT = 20%
											1	

LUMBER **BRACING**

TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 4-5-8 oc purlins. BOT CHORD 2x4 SP No.2 **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=178/4-5-8, (min. 0-1-8), 3=178/4-5-8, (min. 0-1-8)

Max Horiz 1=-39 (LC 6)

Max Uplift 1=-22 (LC 10), 3=-22 (LC 11)

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

1-2=-255/63

- 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. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 22 lb uplift at joint 1 and 22 lb uplift at joint 3. 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. 7)

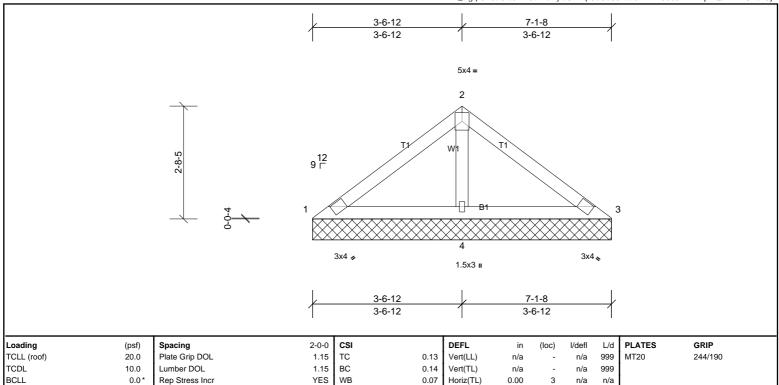






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LUMBER BRACING

TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 7-1-8 oc purlins. BOT CHORD 2x4 SP No.2 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

Matrix-MSH

2x4 SP No.3 WEBS

REACTIONS (lb/size) 1=53/7-1-8, (min. 0-1-8), 3=53/7-1-8, (min. 0-1-8), 4=465/7-1-8, (min.

0-1-8) 1=65 (LC 7) Max Horiz

10.0

Max Uplift 3=-11 (LC 11), 4=-72 (LC 10)

Code

1=75 (LC 21), 3=75 (LC 22), 4=465 (LC 1) Max Grav

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

WEBS 2-4=-332/128

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 Gable requires continuous bottom chord bearing.

IRC2015/TPI2014

- 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.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 11 lb uplift at joint 3 and 72 lb uplift at joint 4.
- 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: 25 lb

FT = 20%





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4-10-12 9-9-8 4-10-12 4-10-12 4-10-12 9-9-8 4-10-12 4-10-12 5x4= 2 9¹² 3x4 🚜 3x43 1.5x3 II 9-9-8 Loading Spacing 2-0-0 CSI in (loc) I/defI L/d (psf) TCLL (roof) 20.0 Plate Grip DOL 1.15 TC 0.28 Vert(LL) 999 MT20 244/190 n/a n/a TCDL 10.0 Lumber DOL 1.15 BC 0.25 Vert(TL) n/a n/a 999 BCLL 0.0 Rep Stress Incr YES WB 0.15 Horiz(TL) 0.00 3 n/a n/a BCDL IRC2015/TPI2014 10.0 Matrix-MSH Weight: 36 lb FT = 20% Code

LUMBER BRACING

TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 9-9-8 oc purlins. BOT CHORD 2x4 SP No.2 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

2x4 SP No.3 (lb/size) 1=29/9-9-8, (min. 0-1-8), 3=29/9-9-8, (min. 0-1-8), 4=725/9-9-8, (min. 0-1-8)

1=-91 (LC 6) Max Horiz

Max Uplift 1=-28 (LC 22), 3=-28 (LC 21), 4=-128 (LC 10) 1=70 (LC 21), 3=70 (LC 22), 4=725 (LC 1) Max Grav

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

TOP CHORD 1-2=-98/321, 2-3=-98/321 **BOT CHORD** 1-4=-264/149, 3-4=-264/149

WEBS 2-4=-555/220

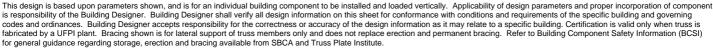
NOTES

OTHERS

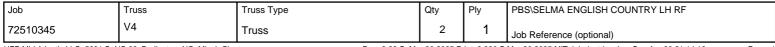
REACTIONS

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Gable requires continuous bottom chord bearing
- 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
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 28 lb uplift at joint 1, 28 lb uplift at joint 3 and 128 lb uplift
- 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.



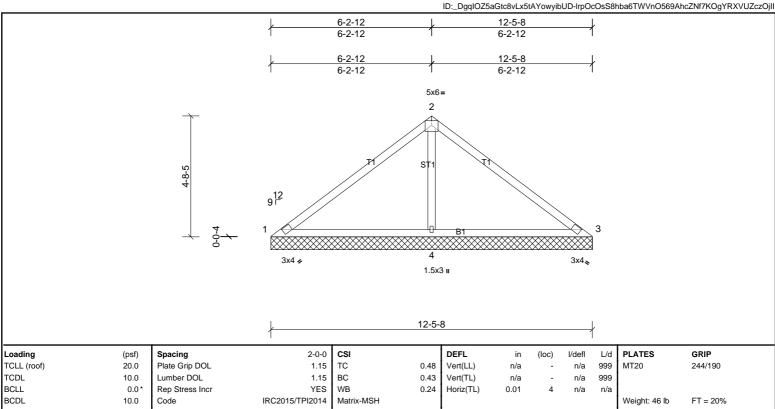






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LUMBER BRACING

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

OTHERS 2x4 SP No.3

REACTIONS (lb/size) 1=86/12-5-8, (min. 0-1-8), 3=58/12-5-8, (min. 0-1-8), 4=820/12-5-8, (min.

0-1-8) Max Horiz

Max Uplift 1=-27 (LC 6), 3=-78 (LC 21), 4=-214 (LC 10) 1=111 (LC 18), 3=162 (LC 22), 4=838 (LC 17) Max Grav

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

TOP CHORD 1-2=-155/389, 2-3=-116/344

WEBS 2-4=-633/244

- 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
- 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 27 lb uplift at joint 1, 78 lb uplift at joint 3 and 214 lb uplift at joint 4.
- 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

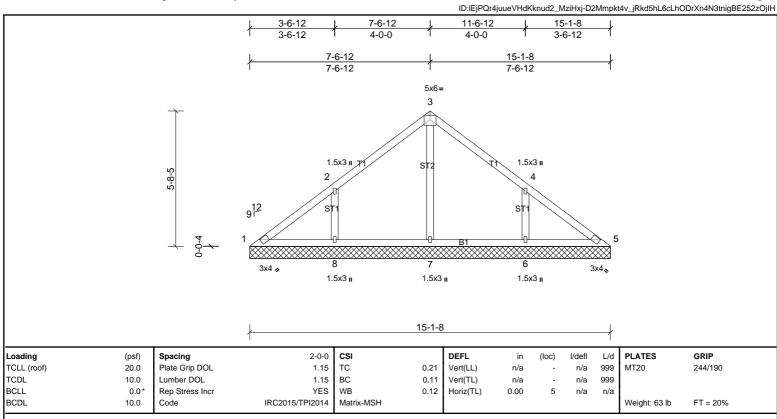






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Page: 1



BOT CHORD

LUMBER BRACING TOP CHORD

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

OTHERS 2x4 SP No.3

REACTIONS All bearings 15-1-8 (lb) - Max Horiz 1=142 (LC 7)

Max Uplift All uplift 100 (lb) or less at joint(s) 1 except 6=-172 (LC 11), 8=-171 (LC

Max Grav All reactions 250 (lb) or less at joint(s) 1, 5 except 6=369 (LC 18), 7=286

(LC 1), 8=386 (LC 17)

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

WEBS 2-8=-289/206, 4-6=-284/206

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) Gable requires continuous bottom chord bearing.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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 100 lb uplift at joint(s) 1 except (jt=lb) 8=170, 6=172.
- 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.

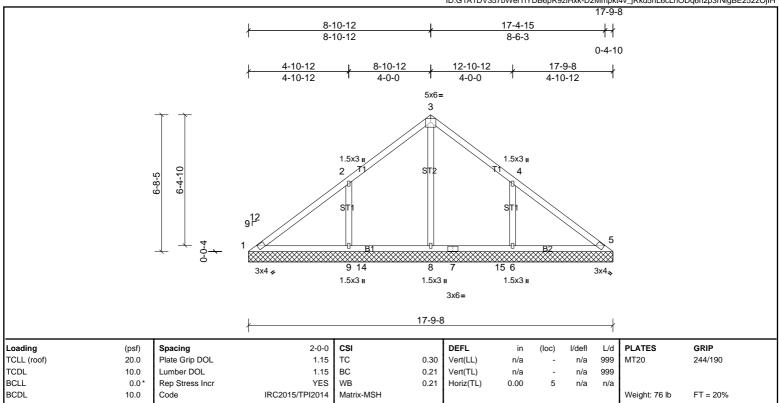
Rigid ceiling directly applied or 6-0-0 oc bracing.





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Page: 1 $ID: G1A1DV357bWefTIYDB6pR9ziHxk-D2Mmpkt4v_jRkd5hL6cLhODq6n2p3rNigBE252zOjIHxk-D2Mmpkt4v_jRkd5hL6cLhODq6n2p3rNigBe252zOjIHxk-D2Mmpkt4v_jRkd5hL6cLhODq6n2p3rNigBe252zOjIHxk-D2Mmpkt4v_jRkd5hL6cLhODq6n2p3rNigBe252zOjIHxk-D2Mmpkt4v_jRkd5hL6cLhODq6n2p3rNigBe252zOjIHxk-D2Mmpkt4v_jRkd5hL6cLhODq6n2p3rNigBe252zOjIHxk-D2Mmpkt4v_jRkd5hL6cLhODq6n2p3rNigBe252zOjIHxk-D2Mmpkt4v_jRkd5hL6cLhODq6n2p3rNigBe252zOjIHxk-D2Mmpkt4v_jRkd5hL6cLhODq6n2p3rNigBe252zOjIHxk-D2Mmpkt4v_jRkd5hL6cLhODq6n2p3rNigBe202x_jRkd5hL6$



LUMBER BRACING

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

REACTIONS All bearings 17-9-8

2x4 SP No.3

(lb) - Max Horiz 1=168 (LC 7)

Max Uplift All uplift 100 (lb) or less at joint(s) 1 except 6=-206 (LC 11), 9=-205 (LC All reactions 250 (lb) or less at joint(s) 1, 5 except 6=486 (LC 18), 8=453 Max Grav

(LC 17), 9=503 (LC 17)

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

WEBS 3-8=-266/4, 2-9=-337/236, 4-6=-331/236

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
- 3) Gable requires continuous bottom chord bearing.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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 100 lb uplift at joint(s) 1 except (jt=lb) 9=204, 6=205.
- 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.







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

2-0-0 oc purlins (6-0-0 max.): 4-6

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

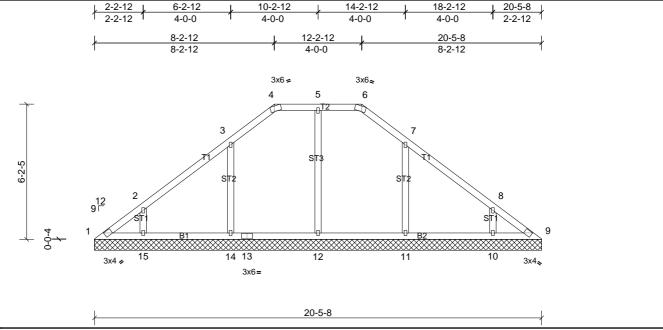


Plate Offsets (X, Y): [4:0-1-14,Edge], [6:0-1-14,Edge]

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	0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.19	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horiz(TL)	0.01	9	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH	i						Weight: 90 lb	FT = 20%

LUMBER **BRACING**

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

BOT CHORD 2x4 SP No.3 OTHERS

REACTIONS All bearings 20-5-8. 1=-156 (LC 6) (lb) - Max Horiz

> All uplift 100 (lb) or less at joint(s) 1, 9, 12 except 10=-115 (LC 11), Max Unlift

11=-129 (LC 11), 14=-132 (LC 10), 15=-121 (LC 10)

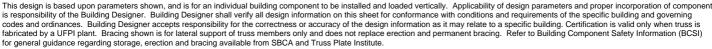
Max Grav All reactions 250 (lb) or less at joint(s) 1, 9 except 10=301 (LC 18), 11=386 (LC 18), 12=355 (LC 2), 14=390 (LC 17), 15=308 (LC 17)

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

WEBS 2-15=-251/178, 8-10=-251/177

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only
- 4) Provide adequate drainage to prevent water ponding.
- 5) All plates are 1.5x3 (||) MT20 unless otherwise indicated.
- 6) Gable requires continuous bottom chord bearing.
- 7) Gable studs spaced at 4-0-0 oc.
- 8) 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 9) the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 9, 12 except (jt=lb) 14=132, 10
- 15=120, 11=129, 10=115.
- 11 This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- 12) 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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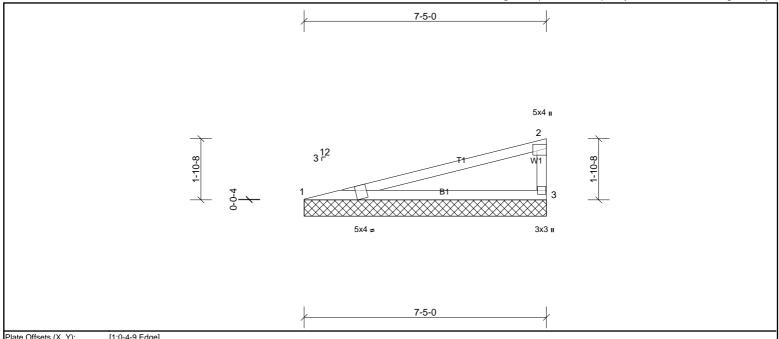


Plate Offsets (X, Y): [1:0-4-	1-9,Edge]
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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.57	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15	BC	0.74	Vert(TL)	n/a	-	n/a	999			
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.02	3	n/a	n/a			
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 23 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) 1=291/7-5-0, (min. 0-1-8), 3=291/7-5-0, (min. 0-1-8) Max Horiz 1=68 (LC 6)

1=-52 (LC 6), 3=-67 (LC 6) Max Uplift

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

TOP CHORD 1-2=-874/310 **BOT CHORD** 1-3=-383/840

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 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 67 lb uplift at joint 3 and 52 lb uplift at joint 1.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ 7)



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



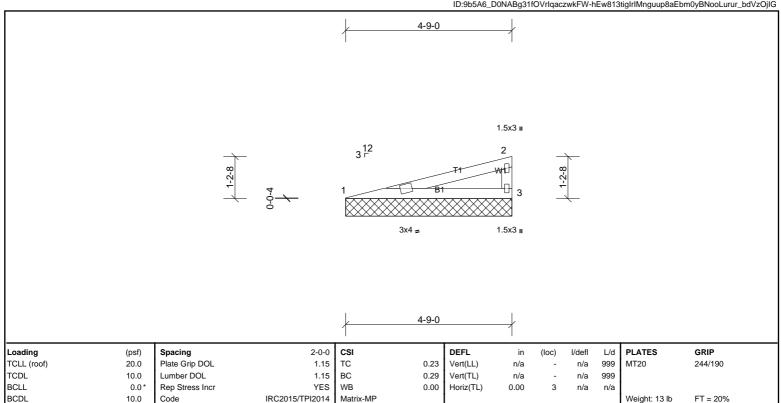


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Structural wood sheathing directly applied or 4-9-0 oc purlins, except end

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



BOT CHORD

LUMBER BRACING

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

WEBS 2x4 SP No.3

REACTIONS (lb/size) 1=184/4-9-0, (min. 0-1-8), 3=184/4-9-0, (min. 0-1-8) Max Horiz 1=41 (LC 6)

Max Uplift 1=-33 (LC 6), 3=-42 (LC 6)

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

TOP CHORD 1-2=-456/181 **BOT CHORD** 1-3=-224/436

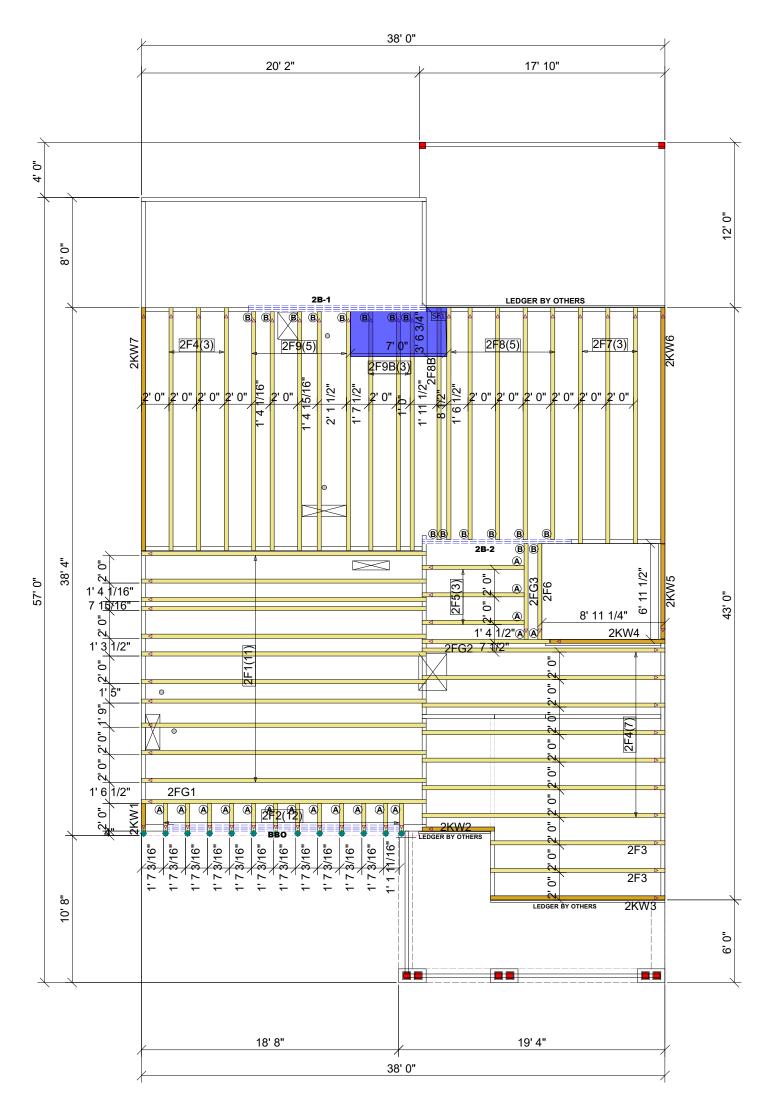
- Unbalanced roof live loads have been considered for this design. 1)
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) 2) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left 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)
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 42 lb uplift at joint 3 and 33 lb uplift at joint 1. 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)





THIS IS A TRUSS/COMPONENT PLACEMENT DIAGRAM (TPD) ONLY; NOT AN ENGINEERED DOCUMENT. Trusses are designed as individual building components to be incorporated into the building design at the specification of the building designer. See individual truss design drawings (TDD's) for each truss design identified on the TPD. The building designer is responsible for temporary and permanent bracing of the roof and floor system and for the overall structure. The design of the support structure including but not limited to headers, beams, walls, and columns is also the responsibility of the building designer. For general guidance regarding installation and bracing, consult "Building Component Safety Information" (BCSI) available from the SBC Association (www.sbcacomponents.com). It is the responsibility of the General Contractor to verify that the provided component along they are not provided component and use. If they do not, it is the responsibility of the provided plans containing the latest specifications and design at the specification and design at the specification of the building designer. See individual truss design drawings of the support structure including but not limited to headers, beams, walls, and columns is also the responsibility of the building designer at the specification of the building designer at the specification of the support structure including but not limited to headers, beams, walls, and columns is also the responsibility of the building designer at the support structure including but not limited to headers, beams, walls, and columns is also the responsibility of the provided component structure. The design of the support structure including but not limited to headers, beams, walls, and columns is also the responsibility of the BCSI and the provided component structure. The design of the support structure including but not limited to headers, beams, walls, and columns is also the responsibility of the BCSI and the provided component structure. The design of the support structure including bu including adjusting member spacing within tolerances to allow for the drop and rise of plumbing/H/AC, unless noted otherwise. Truss-to-wall connectors, if shown, are for upilit only and do not consider lateral loads. All connectors on this project are to be installed per the connector manufacturer's specifications.

All connectors shown that are not truss-to-truss are suggestions only and are to be verified by the Building Designer or Engineer of Record for suitability of this particular project. UFP accepts no responsibility for the specific application or suitability of any connector that is not truss-to-truss as they apply to this



FLOOR HANGER LIST									
(A)	THA422	17							
В	LUS48	16							

		FLUSH LVL BEAM LIST			
PlotID	Length	Product	Plies	Net Qty	Fab Type
2B-1	14' 0"	1 3/4" x 14" 2.0E Microllam® LVL	3	3	MFD
2B-2	12' 0"	1 3/4" x 14" 2.0E Microllam® LVL	2	2	MFD

ROOF AREA: 2575.65 ft²_RIDGE LINE: 70.82 ft _ VALLEY LINES: 83.31 _ HIP LINES:38.7 △ Indicates Left End of Truss

	5		REVISIONS		
JO	ST & OC DE	DATE	DESCRIPTION	DSN	!
JOB #:	RCH RCH RCC	-	-	-	
	DA:	-	-	-	
25040726F2	GNER DATE DATE DATE		-	-	_
40	⊄ 4	-	-	-	Ι
726	AM 4-14-25	-	-	-	
F2	-25	-	-	-	
		-	-	-	
					1

SELMA 'ENGLISH COUNTRY' 2ND FLOOR

733 BEACON HILL ROAD LILLINGTON, NC 27546

PBS

LOT 41 DUNCAN'S CREEK ROAD UFP WIII not be new responsible to all, unauthorized modifications done or costs incurred

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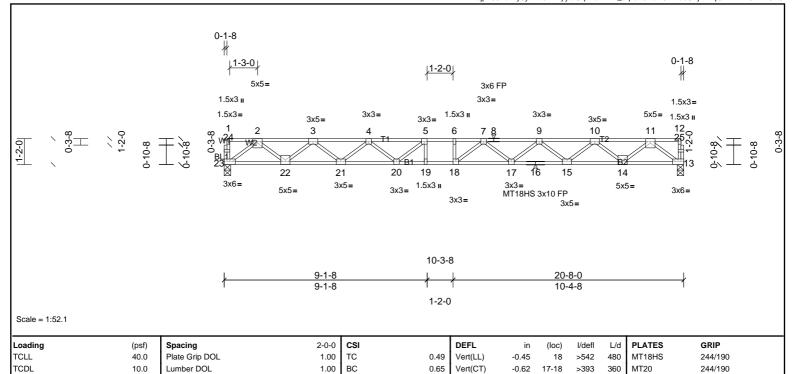
UFP SITE BUILT

Burlington, NC Locust, NC Chesapeake, VA Liberty, NC Ooltewah, TN Clinton, NC Pearisburg, VA Stanfield, NC Conway, SC Jefferson, GA

Customer Service (800) 476-9356



Run: 8.83 S Mar 20 2025 Print: 8.830 S Mar 20 2025 MiTek Industries, Inc. Fri Apr 25 14:18:29 Page: 1 $ID: djp4634dlHy8ywtRJAzPjiyibUq-TaM4Tv_dlpcwJKbFGArrdoSZjiARqG1IRTTnJNzN9w8$



0.63

TOP CHORD

BOT CHORD

Horz(CT)

0.10

13

n/a

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

Weight: 103 lb

Structural wood sheathing directly applied or 5-10-15 oc purlins, except end

FT = 20%F, 11%E

LUMBER **BRACING**

TOP CHORD 2x4 SP SS(flat) BOT CHORD 2x4 SP SS(flat)

WEBS 2x4 SP No.3(flat)

OTHERS 2x4 SP No.3(flat) REACTIONS

13=1117/0-3-8, (min. 0-1-8), 23=1117/0-3-8, (min. 0-1-8)

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

Rep Stress Incr

Code

2-3=-2429/0, 3-4=-4099/0, 4-5=-5098/0, 5-6=-5454/0, 6-7=-5454/0, 7-8=-5104/0, 8-9=-5104/0, 9-10=-4097/0, 10-11=-2430/0

YES WB

Matrix-SH

IRC2015/TPI2014

BOT CHORD 22-23=0/1408, 21-22=0/3418, 20-21=0/4749, 19-20=0/5454, 18-19=0/5454, 17-18=0/5416, 16-17=0/4752, 15-16=0/4752, 14-15=0/3417, 13-14=0/1408 WFBS

11-13 = -1763/0, 2-23 = -1763/0, 11-14 = 0/1330, 2-22 = 0/1330, 10-14 = -1285/0, 3-22 = -1287/0, 10-15 = 0/886, 3-21 = 0/887, 9-15 = -853/0, 4-21 = -847/0, 9-17 = 0/457, 4-20 = 0/578, 7-17 = -443/0, 5-20 = -689/23, 7-18 = -329/481

NOTES

BCLL

BCDL

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

0.0

5.0

- All plates are MT20 plates unless otherwise indicated. 2)
- 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/
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.





Job Truss Type PBS\SELMA ENGLISH COUNTRY LH 2ND F Truss Qty Ply 2F2 1 72510346 12 Truss Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

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Page: 1

0-1-8 0-1-8 1-4-0 3x10= 1.5x3= 3x10 =1.5x3 µ 0-10-8 0-10-8 0-3-8 0-3-8 0-3-8 0-3-8 0-3-8

3x10 =3x8= 0-6-10 0-4-0 0-1-8 2-4-0 1-9-6 0-1-8

0-2-8

0-2-10

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

Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.20	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.06	Vert(CT)	0.00	3-4	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.03	Horz(CT)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-P							Weight: 19 lb	FT = 20%F, 11%E

LUMBER **BRACING**

TOP CHORD 2x4 SP No.2(flat) TOP CHORD Structural wood sheathing directly applied or 2-4-0 oc purlins, except end 2x4 SP No.2(flat) **BOT CHORD**

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

OTHERS 2x4 SP No.3(flat)

REACTIONS (lb/size) 3=145/ Mechanical, 4=508/0-5-4, (min. 0-1-8)

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

TOP CHORD 4-5=-463/0, 5-6=-500/0, 1-6=-514/0

NOTES

Scale = 1:54

- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ 1)
- 2) Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments.
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached 3) to walls at their outer ends or restrained by other means.
- 4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 1)

Uniform Loads (lb/ft)

Vert: 3-4=-8, 1-2=-80

Concentrated Loads (lb) Vert: 1=-500









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Page: 1

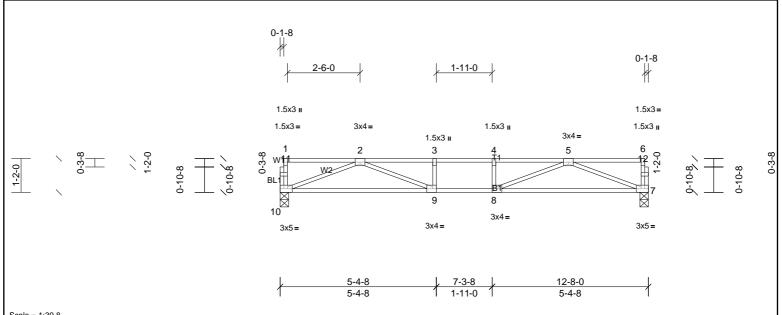


Plate Offsets (X, Y):	[7:0-2-0,Edg	ej, [8:0-1-8,Edgej, [9:0-	1-8,Edgej, [10:0-2-0,Edgej									
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.55	Vert(LL)	-0.18	9-10	>837	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.73	Vert(CT)	-0.26	9-10	>571	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.03	7	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 61 lb	FT = 20%F, 11%E

LUMBER **BRACING**

TOP CHORD 2x4 SP No.2(flat) TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end **BOT CHORD** 2x4 SP No.2(flat)

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

OTHERS 2x4 SP No.3(flat) REACTIONS (lb/size) 7=677/0-3-8, (min. 0-1-8), 10=677/0-3-8, (min. 0-1-8)

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

TOP CHORD

2-3=-2026/0, 3-4=-2026/0, 4-5=-2026/0 **BOT CHORD** 9-10=0/1396, 8-9=0/2026, 7-8=0/1396 WEBS 5-7=-1495/0, 2-10=-1495/0, 5-8=0/782, 2-9=0/782

- 1) Unbalanced floor live loads have been considered for this design.
- 2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



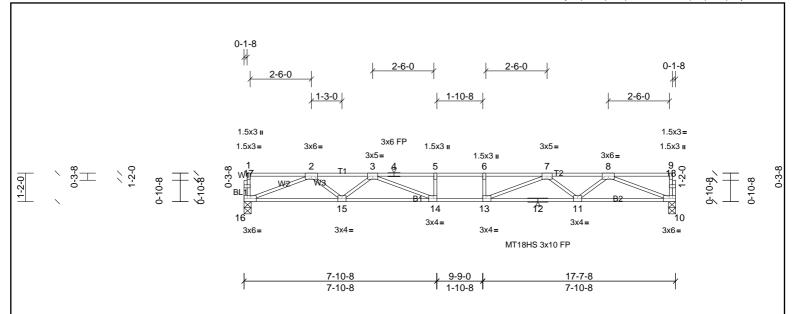




Run: 8.83 S Mar 20 2025 Print: 8.830 S Mar 20 2025 MiTek Industries, Inc. Fri Apr 25 14:18:31

Page: 1 ID: 5 vNTJP5GWa4? a 3RdtuUeGwyibUp-PzTqub?tqQseYeleNbtJiDYqCWpmlAq2vnyuNFzN9w6a bulkaning between the property of the proper

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



Scale = 1:47.3

Plate Offsets (X, Y):	[13:0-1-8,Ed	ge], [14:0-1-8,Edge]										
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.81	Vert(LL)	-0.32	14-15	>658	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.85	Vert(CT)	-0.43	14-15	>484	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.07	10	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 85 lb	FT = 20%F, 11%E

LUMBER **BRACING**

TOP CHORD 2x4 SP No.2(flat) TOP CHORD Structural wood sheathing directly applied or 4-6-8 oc purlins, except end 2x4 SP No.1(flat) **BOT CHORD**

BOT CHORD

2x4 SP No.3(flat) WEBS OTHERS 2x4 SP No.3(flat)

REACTIONS (lb/size) 10=949/0-3-8, (min. 0-1-8), 16=949/0-3-8, (min. 0-1-8)

FORCES (lb) - Max, Comp./Max, Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-2744/0, 3-4=-3957/0, 4-5=-3957/0, 5-6=-3957/0, 6-7=-3957/0, 7-8=-2744/0 **BOT CHORD** 15-16=0/2087, 14-15=0/3348, 13-14=0/3957, 12-13=0/3348, 11-12=0/3348, 10-11=0/2087

WEBS 8-10=-2239/0, 2-16=-2239/0, 8-11=0/855, 2-15=0/855, 7-11=-787/0, 3-15=-787/0, 7-13=0/933, 3-14=0/933

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- 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/
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

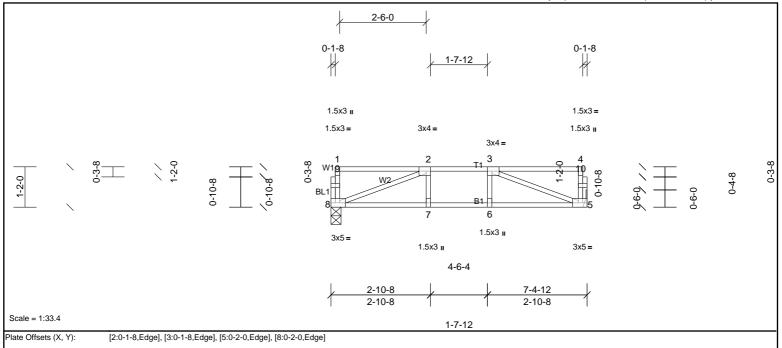






Run: 8.83 S Mar 20 2025 Print: 8.830 S Mar 20 2025 MiTek Industries, Inc. Fri Apr 25 14:18:32 Page: 1 ID:5vNTJP5GWa4?a3RdtuUeGwyibUp-t91D6w0Vbk_VAnKqxIOYEQ44HwHq1jUB7RhRwizN9w5

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



riale Olisels (A, 1).	[2.0-1-0,Lug	ej, [3.0-1-0,Lugej, [3.0-	z-o,Lugej, [o.o-z-o,Luge]									
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.47	Vert(LL)	-0.05	7-8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.35	Vert(CT)	-0.06	7-8	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.01	5	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 37 lb	FT = 20%F, 11%E

BOT CHORD

LUMBER **BRACING**

TOP CHORD 2x4 SP No.2(flat) TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end **BOT CHORD** 2x4 SP No.2(flat)

2x4 SP No.3(flat) WEBS OTHERS 2x4 SP No.3(flat)

REACTIONS (lb/size) 5=387/ Mechanical, 8=387/0-3-8, (min. 0-1-8)

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

TOP CHORD 2-3=-684/0

BOT CHORD 7-8=0/684, 6-7=0/684, 5-6=0/684 WEBS 3-5=-727/0, 2-8=-727/0

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- 3)

Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.





Job	Truss	Truss Type	Qty	Ply	PBS\SELMA ENGLISH COUNTRY LH 2ND F
72510346	2F6	Truss	1	1	Job Reference (optional)

Run: 8.83 S Mar 20 2025 Print: 8.830 S Mar 20 2025 MiTek Industries, Inc. Fri Apr 25 14:18:32 Page: 1 $ID: 5 vNTJP5GWa4? a 3RdtuUeGwyibUp-t 91D6w0Vbk_VAnKqxIOYEQ44QwIR1koB7RhRwizN9w5$

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

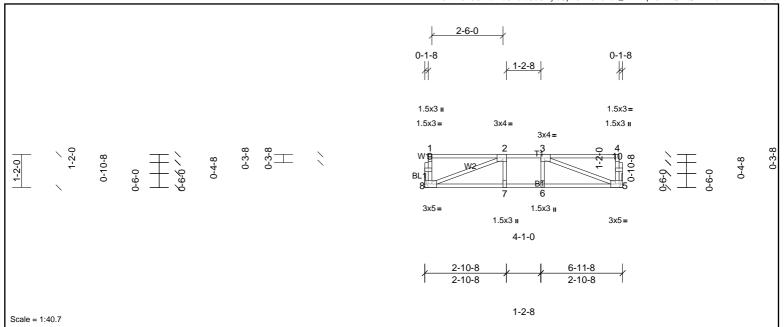


Plate Offsets (X, Y): [2:0-1-8,Edge], [3:0-1-8,Edge], [5:0-2-0,Edge], [8:0-2-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.46	Vert(LL)	-0.04	7-8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.31	Vert(CT)	-0.05	7-8	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.01	5	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 36 lb	FT = 20%F, 11%E

LUMBER **BRACING**

TOP CHORD 2x4 SP No.2(flat) TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end 2x4 SP No.2(flat) **BOT CHORD**

BOT CHORD

2x4 SP No.3(flat) WEBS OTHERS 2x4 SP No.3(flat)

REACTIONS (lb/size) 5=363/ Mechanical, 8=363/ Mechanical

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

TOP CHORD 2-3=-622/0

BOT CHORD 7-8=0/622, 6-7=0/622, 5-6=0/622

WEBS

3-5=-660/0, 2-8=-660/0

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- 3)

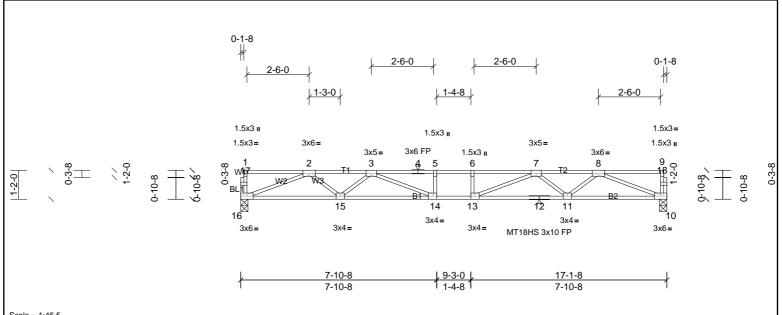
Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.





Job	Truss	Truss Type	Qty	Ply	PBS\SELMA ENGLISH COUNTRY LH 2ND F
72510346	2F7	Truss	3	1	Job Reference (optional)

Run: 8.83 S Mar 20 2025 Print: 8.830 S Mar 20 2025 MiTek Industries, Inc. Fri Apr 25 14:18:33 Page: 1
ID:5vNTJP5GWa4?a3RdtuUeGwyibUp-MMbbJG18M16Mnxu0V0wnnedB6KWym4eLM5R_S8zN9w4



Scale = 1:46.5

Plate Offsets (X, Y):	[13:0-1-8,Ed	igej, [14:0-1-8,Eagej										
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.72	Vert(LL)	-0.28	13-14	>731	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.74	Vert(CT)	-0.38	13-14	>534	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.59	Horz(CT)	0.06	10	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 83 lb	FT = 20%F, 11%E

LUMBER BRACING

TOP CHORD 2x4 SP No.2(flat) TOP CHORD Structural wood sheathing directly applied or 5-4-8 oc purlins, except end verticals.

WEBS 2x4 SP No.3(flat)

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

REACTIONS (lb/size) 10=922/0-3-8, (min. 0-1-8), 16=922/0-3-8, (min. 0-1-8)

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

TOP CHORD 2-3=-2642/0, 3-4=-3750/0, 4-5=-3750/0, 5-6=-3750/0, 6-7=-3750/0, 7-8=-2642/0

BOT CHORD 15-16=0/2018, 14-15=0/3215, 13-14=0/3750, 12-13=0/3215, 11-12=0/3215, 10-11=0/2018

WEBS 8-10=-2164/0, 2-16=-2164/0, 8-11=0/813, 2-15=0/813, 7-11=-745/0, 3-15=-745/0, 7-13=0/828, 3-14=0/828

NOTES

OTHERS

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.

2x4 SP No.3(flat)

- 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.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.







Run: 8.83 S Mar 20 2025 Print: 8.830 S Mar 20 2025 MiTek Industries, Inc. Fri Apr 25 14:18:33

Page: 1 $ID: djp4634dIHy8ywtRJAzPjiyibUq-MMbbJG18M16Mnxu0V0wnnedCuKTXm4oLM5R_S8zN9w4Aller (MSS) and MSS (MSS) and MSS (MSS) and MSS (MSS) are supported by the property of the proper$

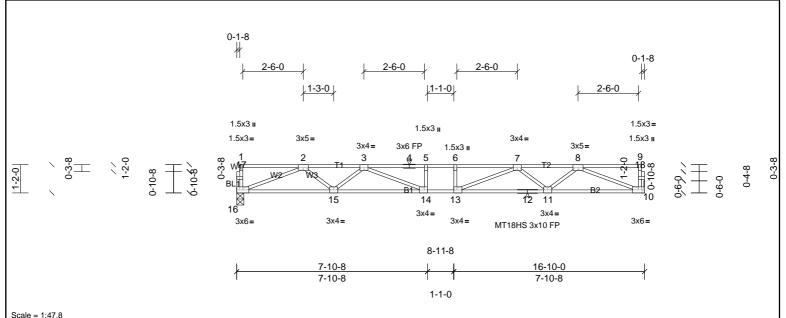


Plate Offsets (X, Y):	[13:0-1-8,Ed	ge], [14:0-1-8,Edge]										
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.67	Vert(LL)	-0.27	13-14	>726	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.96	Vert(CT)	-0.38	13-14	>531	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.07	10	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 82 lb	FT = 20%F, 11%E

LUMBER **BRACING**

TOP CHORD 2x4 SP No.2(flat) TOP CHORD Structural wood sheathing directly applied or 5-6-0 oc purlins, except end 2x4 SP No.2(flat) **BOT CHORD**

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

OTHERS 2x4 SP No.3(flat)

REACTIONS (lb/size) 10=906/ Mechanical, 16=906/0-3-8, (min. 0-1-8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-2583/0, 3-4=-3632/0, 4-5=-3632/0, 5-6=-3632/0, 6-7=-3632/0, 7-8=-2583/0

BOT CHORD $15 - 16 = 0/1978,\ 14 - 15 = 0/3136,\ 13 - 14 = 0/3632,\ 12 - 13 = 0/3136,\ 11 - 12 = 0/3136,\ 10 - 11 = 0/1978$ WEBS $8-10 = -2121/0,\ 2-16 = -2121/0,\ 8-11 = 0/788,\ 2-15 = 0/788,\ 7-11 = -720/0,\ 3-15 = -720/0,\ 7-13 = 0/771,\ 3-14 = 0/771$

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- 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/
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.







Run: 8.83 S Mar 20 2025 Print: 8.830 S Mar 20 2025 MiTek Industries, Inc. Fri Apr 25 14:18:34 Page: 1
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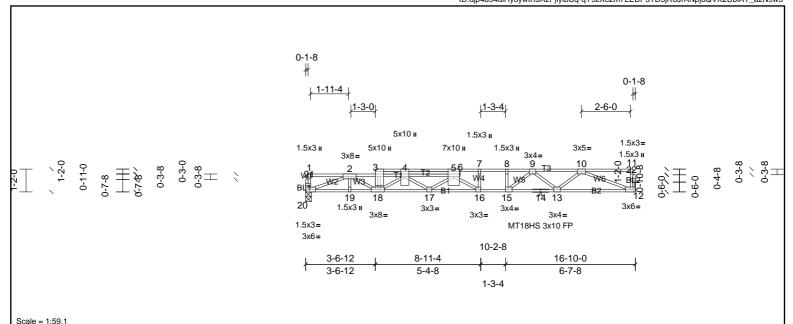


Plate Offsets (X, Y): [3:Edge,0-1-8], [15:0-1-8,Edge]

Loading (psf) Spacing 2-0-0 CSI DEFL

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.66	Vert(LL)	-0.29	16-17	>697	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.98	Vert(CT)	-0.39	16-17	>505	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.07	12	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH						1	Weight: 97 lb	FT = 20%F, 11%E

LUMBER BRACING

12=906/ Mechanical, 20=906/0-3-8, (min. 0-1-8)

TOP CHORD 2x4 SP No.2(flat) TOP CHORD Structural wood sheathing directly applied or 5-11-5 oc purlins, except end verticals.

WEBS 2x4 SP No.3(flat)

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: 16-17.

OTHERS 2x4 SP No.3(flat)

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

TOP CHORD 2-3=-2769/0, 3-4=-2755/0, 4-5=-3773/0, 5-6=-3534/0, 6-7=-3563/0, 7-8=-3534/0, 8-9=-3534/0, 9-10=-2560/0

BOT CHORD 19-20=0/2149, 18-19=0/2149, 17-18=0/3291, 16-17=0/4179, 15-16=0/3534, 14-15=0/3124, 13-14=0/3124, 12-13=0/1978

WEBS 2-18=0/684, 4-18=-644/0, 4-17=0/597, 5-17=-504/0, 5-16=-913/0, 2-20=-2286/0, 10-12=-2121/0, 10-13=0/758, 9-13=-734/0, 9-15=0/709, 8-15=-294/0, 7-16=0/405

NOTES

REACTIONS

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.

(lb/size)

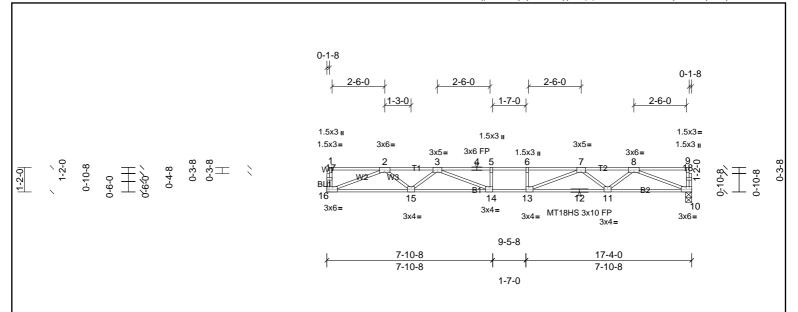
- 3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.





Job	Truss	Truss Type	Qty	Ply	PBS\SELMA ENGLISH COUNTRY LH 2ND F
72510346	2F9	Truss	5	1	Job Reference (optional)

Run: 8.83 S Mar 20 2025 Print: 8.830 S Mar 20 2025 MiTek Industries, Inc. Fri Apr 25 14:18:34 Page: 1 $ID: djp4634dlHy8ywtRJAzPjiyibUq-qY9zXc2m7LEDP5TD3jR0JrAMIjrTVXjUbIAY_azN9w3$



Scale = 1:55 Plate Offsets (X, Y):

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.76	Vert(LL)	-0.29	13-14	>707	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.79	Vert(CT)	-0.40	13-14	>516	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.60	Horz(CT)	0.07	10	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 84 lb	FT = 20%F, 11%E

LUMBER **BRACING**

TOP CHORD 2x4 SP No.2(flat) TOP CHORD Structural wood sheathing directly applied or 5-3-0 oc purlins, except end 2x4 SP No.1(flat) **BOT CHORD**

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

OTHERS 2x4 SP No.3(flat)

REACTIONS (lb/size) 10=933/0-3-8, (min. 0-1-8), 16=933/ Mechanical

[13:0-1-8,Edge], [14:0-1-8,Edge]

FORCES (lb) - Max, Comp./Max, Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-2685/0, 3-4=-3836/0, 4-5=-3836/0, 5-6=-3836/0, 6-7=-3836/0, 7-8=-2685/0 **BOT CHORD** $15-16=0/2047,\ 14-15=0/3270,\ 13-14=0/3836,\ 12-13=0/3270,\ 11-12=0/3270,\ 10-11=0/2047$

WEBS $8-10=-2195/0,\ 2-16=-2195/0,\ 8-11=0/830,\ 2-15=0/830,\ 7-11=-762/0,\ 3-15=-762/0,\ 7-13=0/871,\ 3-14=0/871$

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- 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/
- 4) to walls at their outer ends or restrained by other means.

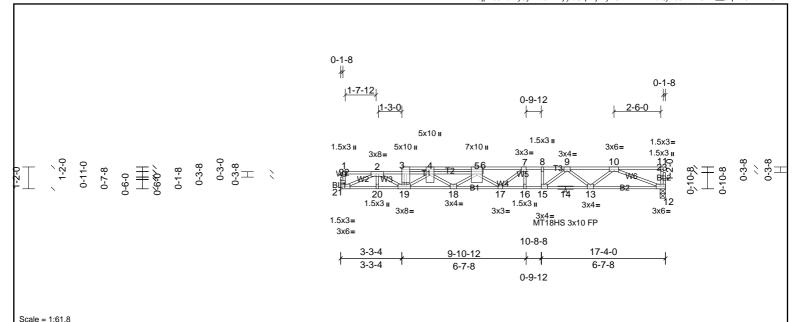
Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached







Run: 8.83 S Mar 20 2025 Print: 8.830 S Mar 20 2025 MiTek Industries, Inc. Fri Apr 25 14:18:35 Page: 1 $ID: djp4634dlHy8ywtRJAzPjiyibUq-lkjLky2OtfM41F2PcQyFs3iYR78wE_ \\$ daPw5W1zN9w2



Dioto Offosto (V. V)

riate Offsets (X, T).	[J.Lage,0-1-	oj, [13.0-1-0,⊑ugej										
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.67	Vert(LL)	-0.30	16-17	>675	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.96	Vert(CT)	-0.42	16-17	>492	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.60	Horz(CT)	0.07	12	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 100 lb	FT = 20%F, 11%E

LUMBER **BRACING** TOP CHORD 2x4 SP No.2(flat) TOP CHORD

2x4 SP No.1(flat) **BOT CHORD**

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: 16-17,15-16. 2x4 SP No.3(flat) WEBS

OTHERS 2x4 SP No.3(flat)

REACTIONS (lb/size) 12=933/0-3-8, (min. 0-1-8), 21=933/ Mechanical

[2:Edgo 0 1 0] [1E:0 1 0 Edgo]

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

TOP CHORD 2-3=-2706/0, 3-4=-2690/0, 4-5=-3868/0, 5-6=-4091/0, 6-7=-4098/0, 7-8=-3698/0, 8-9=-3698/0, 9-10=-2662/0

BOT CHORD $20-21=0/1949,\ 19-20=0/1949,\ 18-19=0/3293,\ 17-18=0/4413,\ 16-17=0/3698,\ 15-16=0/3698,\ 14-15=0/3261,\ 13-14=0/3261,\ 12-13=0/2046,\ 14-13=0/3261,\ 14-1$

WEBS $4-19=-725/0,\ 4-18=0/713,\ 5-18=-675/0,\ 5-17=-505/43,\ 7-17=-27/647,\ 10-12=-2194/0,\ 10-13=0/802,\ 9-13=-780/0,\ 9-15=0/711,\ 2-19=0/842,\ 2-21=-2116/0,\ 10-13=0/802,$

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- 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/
- to walls at their outer ends or restrained by other means.

4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached



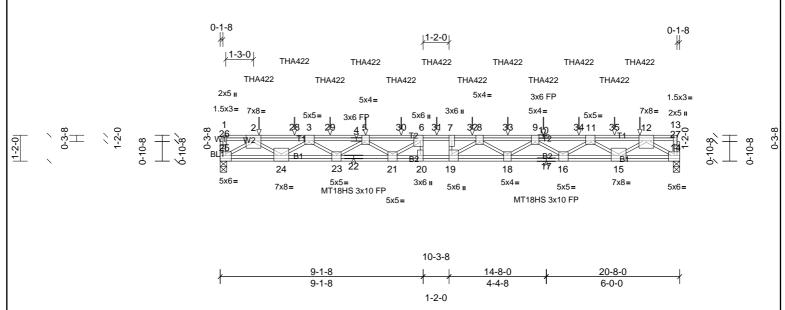
Structural wood sheathing directly applied or 4-11-5 oc purlins, except end





Run: 8.83 S Mar 20 2025 Print: 8.830 S Mar 20 2025 MiTek Industries, Inc. Fri Apr 25 14:18:36

Page: 1 ID:w3kkaSA06Qr9I_vnD8b2VByibUj-mxHjxl30eyUwfPdbA8TUPGFpcXaOzNJn23fe3TzN9w1



Scale = 1:52.1

[3:0-2-4,Edge], [5:0-1-8,Edge], [6:0-3-0,Edge], [7:0-3-0,Edge], [8:0-2-0,Edge], [9:0-2-0,Edge], [11:0-2-4,Edge], [13:Edge,0-1-8], [14:Edge,0-3-0], [16:0-2-4,Edge], [18:0-2-0,Edge], [19:0-3-0,Edge], [21:0-2-8,Edge], [23:0-2-4,Edge], [25:0-3-0,Edge] Plate Offsets (X, Y):

- 1-													
L	oading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defI	L/d	PLATES	GRIP
Т	CLL	40.0	Plate Grip DOL	1.00	TC	0.32	Vert(LL)	-0.38	19	>636	480	MT20	244/190
Т	CDL	10.0	Lumber DOL	1.00	BC	0.63	Vert(CT)	-0.55	19	>446	360	MT18HS	244/190
В	CLL	0.0	Rep Stress Incr	NO	WB	0.85	Horz(CT)	0.05	14	n/a	n/a		
В	CDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 160 lb	FT = 20%F, 11%E

LUMBER BRACING

TOP CHORD 2x4 SP SS(flat) TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end

BOT CHORD 2x4 SP SS(flat) BOT CHORD

Rigid ceiling directly applied or 10-0-0 oc bracing 2x4 SP No.3(flat) WEBS

OTHERS 2x4 SP No.3(flat)

(lb/size) 14=1510/0-3-8, (min. 0-1-8), 25=1497/0-3-8, (min. 0-1-8) Max Grav 14=1624 (LC 4), 25=1513 (LC 3)

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

2-28=-3603/0, 3-28=-3603/0, 3-29=-6175/0, 4-29=-6175/0, 4-5=-6175/0, 5-30=-7721/0, 6-30=-7721/0, 6-31=-8269/0, 7-31=-8269/0, 7-32=-8269/0, 8-3269/0, 8-32=-8269/0, 8-32=-8269/0, 8-32=-82 TOP CHORD

9-33=-7734/0, 9-10=-6329/0, 10-34=-6329/0, 11-34=-6329/0, 11-35=-3835/0, 12-35=-3835/0 $24 + 25 = 0/2220, \ 23 - 24 = 0/5133, \ 22 - 23 = 0/7188, \ 21 - 22 = 0/7188, \ 20 - 21 = 0/8269, \ 19 - 20 = 0/8269, \ 18 - 19 = 0/8219, \ 17 - 18 = 0/7251, \ 16 - 17 = 0/7251, \ 15 - 16 = 0/5402, \ 14 - 15 = 0/2396$

BOT CHORD WEBS $12-14=-2794/0,\ 2-25=-2588/0,\ 12-15=0/1789,\ 2-24=0/1756,\ 11-15=-1943/0,\ 3-24=-1897/0,\ 11-16=0/1284,\ 3-23=0/1292,\ 9-16=-1253/0,\ 5-23=-1256/0,\ 9-18=0/806,\ 5-21=0/1078,\ 12-14=-1254/0,\ 12-14=-1253$

8-18=-843/0, 6-21=-1299/53, 8-19=-638/909, 6-20=-243/319, 7-19=-312/136

NOTES

REACTIONS

- Unbalanced floor live loads have been considered for this design. 1)
- All plates are MT20 plates unless otherwise indicated. 2)
- 3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ TPI 1.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means
- Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent spaced at 1-7-3 oc max. starting at 1-8-15 from the left end to 18-10-8 to
- connect truss(es) to front face of top chord.
- 6) Fill all nail holes where hanger is in contact with lumber

LOAD CASE(S) Standard

Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (lb/ft)

Vert: 14-25=-10, 1-13=-100

Concentrated Loads (lb)

Vert: 10=-65, 12=-65, 2=-65, 5=-65, 28=-65, 29=-65, 30=-65, 31=-65, 32=-65, 33=-65, 34=-65, 35=-65

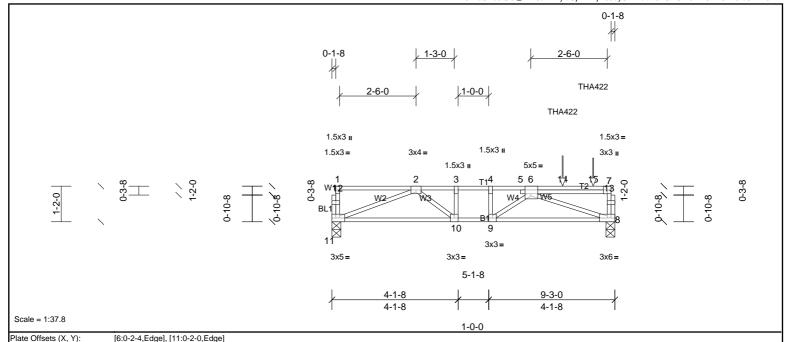






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Page: 1



180 Olocio (A, 1). [6.6 2 4, Eugel, [11.6 2 6, Eugel												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.93	Vert(LL)	-0.08	8-9	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.83	Vert(CT)	-0.12	8-9	>878	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.59	Horz(CT)	0.03	8	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH		1					Weight: 51 lb	FT = 20%F, 11%E

LUMBER BRACING

TOP CHORD 2x4 SP No.1(flat) TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end **BOT CHORD** 2x4 SP No.2(flat) BOT CHORD

2x4 SP No.3(flat) WEBS OTHERS 2x4 SP No.3(flat)

REACTIONS (lb/size) 8=1370/0-3-8, (min. 0-1-8), 11=638/0-3-8, (min. 0-1-8)

Max Grav 8=1424 (LC 4), 11=638 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD $8-13=-655/0,\, 7-13=-654/0,\, 2-3=-1681/0,\, 3-4=-1681/0,\, 4-5=-1681/0,\, 5-6=-1716/0$ **BOT CHORD** 10-11=0/1299, 9-10=0/1681, 8-9=0/2063

WEBS 6-8=-2164/0, 2-11=-1391/0, 6-9=-716/119, 2-10=0/657, 3-10=-327/0, 4-9=-32/400

NOTES

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

- 2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached
- to walls at their outer ends or restrained by other means.
 Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent spaced at 1-0-0 oc max. starting at 7-6-8 from the left end to 8-6-8 to
- connect truss(es) to back face of top chord. Fill all nail holes where hanger is in contact with lumber.

5) LOAD CASE(S) Standard

Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 1)

Uniform Loads (lb/ft)

Vert: 8-11=-10, 1-7=-100

Concentrated Loads (lb)

Vert: 14=-744, 15=-287



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



Job Truss Type PBS\SELMA ENGLISH COUNTRY LH 2ND F Truss Qty Ply 2FG3 1 72510346 Truss 1 Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

Run: 8.83 S Mar 20 2025 Print: 8.830 S Mar 20 2025 MiTek Industries, Inc. Fri Apr 25 14:18:37 Page: 1 ID:w3kkaSA06Qr9I_vnD8b2VByibUj-E7r69e4ePGcnGZCokr_jxUotnxwwix7wHjPCbvzN9w0

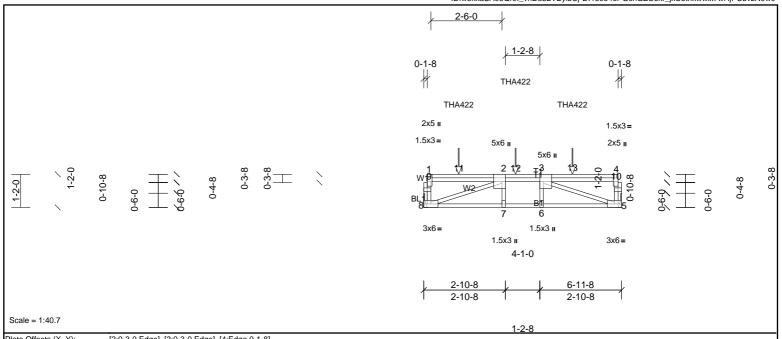


Plate Offsets (X, Y): [2:0-3-0,Edge], [3:0-3-0,Edge], [4:Edge,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defI	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.74	Vert(LL)	-0.05	7-8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.61	Vert(CT)	-0.07	7-8	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.43	Horz(CT)	0.02	5	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 45 lb	FT = 20%F, 11%E

LUMBER **BRACING**

TOP CHORD 2x4 SP No.2(flat) TOP CHORD 2x4 SP No.2(flat) **BOT CHORD**

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

OTHERS 2x4 SP No.3(flat)

REACTIONS (lb/size) 5=761/ Mechanical, 8=825/ Mechanical

Max Grav 5=783 (LC 4), 8=844 (LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 8-9=-348/0, 1-9=-347/0, 5-10=-260/0, 4-10=-260/0, 2-12=-1501/0, 3-12=-1501/0

BOT CHORD 7-8=0/1501, 6-7=0/1501, 5-6=0/1501

WEBS 3-5=-1584/0, 2-8=-1579/0

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached
- to walls at their outer ends or restrained by other means.

 Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-2-12 from the left end to 5-2-12 to
- connect truss(es) to back face of top chord.
- 5) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 1)

Uniform Loads (lb/ft)

Vert: 5-8=-10, 1-4=-100

Concentrated Loads (lb)

Vert: 11=-287, 12=-287, 13=-287



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



Job Truss Type PBS\SELMA ENGLISH COUNTRY LH 2ND F Truss Qty 2KW1 1 72510346 Truss 1 Job Reference (optional) Page: 1

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

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 $ID: dmBhjgElppM9wOHNLJ81LpziEFF-E7r69e4ePGcnGZCokr_jxUo?4x1oi1OwHjPCbvzN9w0\\$ 1-4-0 լ 1₁₋₄₋₀1 1-0-0 0-1-8 0-1-8

0-10-8
0-3-8
0-3-8
0-3-8
0-3-8
0-3-8

3x6=1.5x3 II 1.5x3 =1.5x3 _{II} 3x8= 3x6=1.5x3 II3x3= 0-4-0 0 - 1 - 8

0-1-8

0-2-8

Scale = 1:48.4

Plate Offsets (X, Y):	[7:0-1-8,0-1-8], [8:0-1-8,0-1-8]											
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.21	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.17	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.03	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 17 lb	FT = 20%F, 11%E

LUMBER **BRACING**

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

BOT CHORD 2x4 SP No.3(flat) WEBS OTHERS 2x4 SP No.3(flat)

REACTIONS (lb/size) 4=80/2-0-0, (min. 0-1-8), 5=124/2-0-0, (min. 0-1-8), 6=493/2-0-0, (min.

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

TOP CHORD 6-7=-468/0, 7-8=-508/0, 1-8=-502/0

NOTES

- 1) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 1-4-0 oc. 2)
- Non Standard bearing condition. Review required. 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/ 4)
- 5) Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments.
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means. 6)
- CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

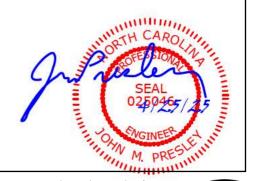
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (lb/ft)

Vert: 4-6=-10. 1-3=-100

Concentrated Loads (lb)

Vert: 1=-500





 Job
 Truss
 Truss Type
 Qty
 Ply
 PBS\SELMA ENGLISH COUNTRY LH 2ND F

 72510346
 2KW2
 Truss
 1
 1
 1
 Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

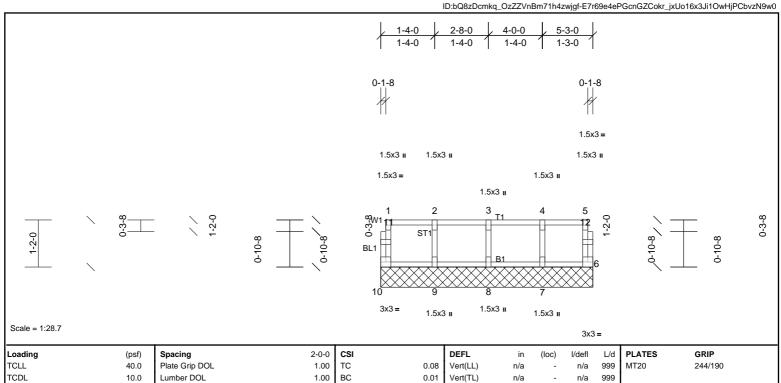
Run: 8.83 S Mar 20 2025 Print: 8.830 S Mar 20 2025 MiTek Industries, Inc. Fri Apr 25 14:18:38 Page: 1
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n/a n/a

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

Weight: 24 lb

Structural wood sheathing directly applied or 5-3-0 oc purlins, except end



0.03

TOP CHORD

BOT CHORD

Horiz(TL)

LUMBER BRACING

TOP CHORD 2x4 SP No.2(flat)

Code

Rep Stress Incr

BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

0.0

5.0

REACTIONS All bearings 5-3-0.

(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 6, 7, 8, 9, 10

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

NOTES

BCLL

BCDL

- 1) Gable requires continuous bottom chord bearing.
- 2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 1-4-0 oc.
- 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/

YES WB

Matrix-R

IRC2015/TPI2014

5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

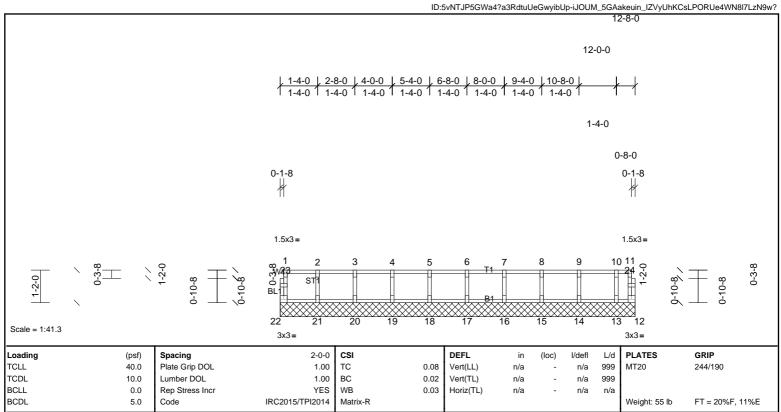




FT = 20%F, 11%E



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BOT CHORD

 LUMBER
 BRACING

 TOP CHORD
 2x4 SP No.2(flat)
 TOP CHORD

TOP CHORD 2x4 SP No.2(flat) BOT CHORD 2x4 SP No.2(flat)

WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

REACTIONS All bearings 12-8-0.

(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 12, 13, 14, 15, 16, 17, 18, 19, 20,

21, 22

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

NOTES

- 1) All plates are 1.5x3 (||) MT20 unless otherwise indicated.
- 2) Gable requires continuous bottom chord bearing.
- 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 4) Gable studs spaced at 1-4-0 oc.
- 5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 6) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



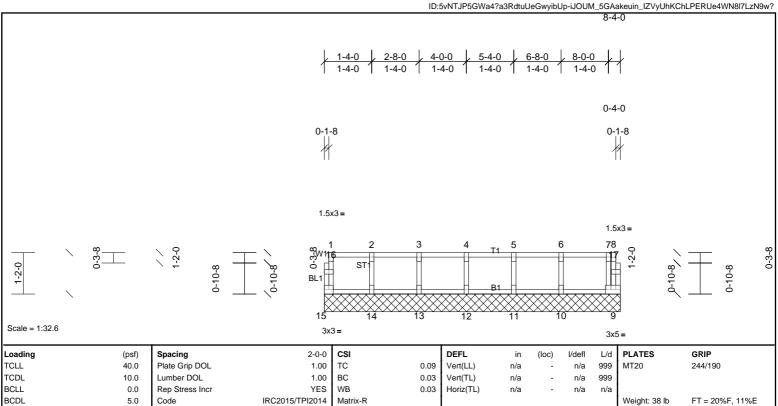
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end

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





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BOT CHORD

LUMBER BRACING TOP CHORD

TOP CHORD 2x4 SP No.2(flat) BOT CHORD 2x4 SP No.2(flat) WEBS

2x4 SP No.3(flat) OTHERS 2x4 SP No.3(flat)

REACTIONS All bearings 8-4-0.

(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 9, 10, 11, 12, 13, 14, 15

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

NOTES

- All plates are 1.5x3 (||) MT20 unless otherwise indicated. 1)
- 2) Gable requires continuous bottom chord bearing.
- 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 4) Gable studs spaced at 1-4-0 oc.
- 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/
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached 6) to walls at their outer ends or restrained by other means.



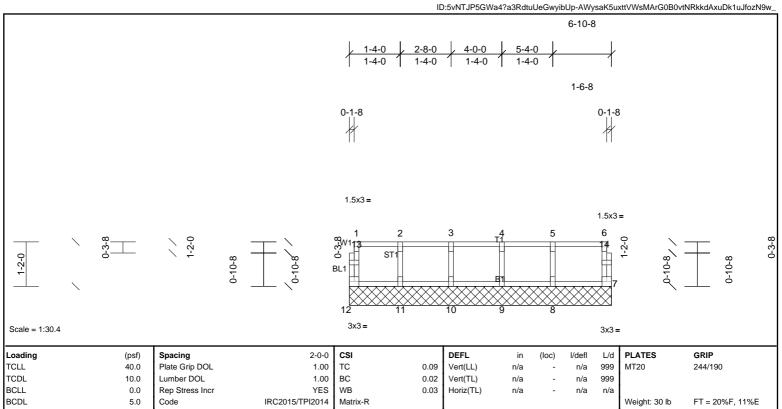
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end

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





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LUMBER BRACING TOP CHORD

TOP CHORD 2x4 SP No.2(flat)

Structural wood sheathing directly applied or 6-0-0 oc purlins, except end BOT CHORD 2x4 SP No.2(flat) **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc bracing. WEBS 2x4 SP No.3(flat)

OTHERS 2x4 SP No.3(flat)

REACTIONS All bearings 6-10-8

(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 7, 8, 9, 10, 11, 12

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

- All plates are 1.5x3 (||) MT20 unless otherwise indicated. 1)
- 2) Gable requires continuous bottom chord bearing.
- 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 4) Gable studs spaced at 1-4-0 oc.
- 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/
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached 6) to walls at their outer ends or restrained by other means.







Run: 8.83 S Mar 20 2025 Print: 8.830 S Mar 20 2025 MiTek Industries, Inc. Fri Apr 25 14:18:39

Page: 1 ID:5vNTJP5GWa4?a3RdtuUeGwyibUp-AWysaK5uxttVWsMArG0B0vtNckknAxuDk1uJfozN9w 16-0-0 12-0-0 14-8-0 17-1-8 <u>, 1-4-0 | 2-8-0 | 4-0-0 | 5-4-0 | 6-8-0 | 8-0-0 | 9-4-0 | 10-8-0 |</u> 13-4-0 1-4-01 1-4-0 1 1-4-0 1 1-4-0 1 1-4-0 1-1-8 1-4-0 1-4-0 1-4-0 0-1-8 0-1-8 Ħ 1.5x3= 1.5x3= 3x6 FP 6 Z 15 29 20 18 16 3x3= 3x3= 3x3= Scale = 1:46 3x6 FP Loading (psf) Spacing 2-0-0 CSI DEFL in (loc) I/defI L/d PLATES TCLL 40.0 Plate Grip DOL 1.00 TC 0.08 Vert(LL) 999 MT20 244/190 n/a n/a TCDL 10.0 Lumber DOL 1.00 BC 0.01 Vert(TL) n/a n/a 999 BCLL 0.0 Rep Stress Incr YES WB 0.03 Horiz(TL) n/a n/a n/a

LUMBER **BRACING** TOP CHORD

TOP CHORD 2x4 SP No.2(flat) BOT CHORD 2x4 SP No.2(flat) WEBS 2x4 SP No.3(flat) OTHERS

2x4 SP No.3(flat)

REACTIONS All bearings 17-1-8

5.0

(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 16, 17, 18, 19, 20, 21, 22, 23, 24,

25, 26, 27, 28, 29

Code

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

NOTES

BCDL

- 1) All plates are 1.5x3 (||) MT20 unless otherwise indicated.
- 2) Gable requires continuous bottom chord bearing
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web). 3)
- 4) Gable studs spaced at 1-4-0 oc.
- 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/

IRC2015/TPI2014

Matrix-R

Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means. 6)





FT = 20%F, 11%E

Weight: 72 lb

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

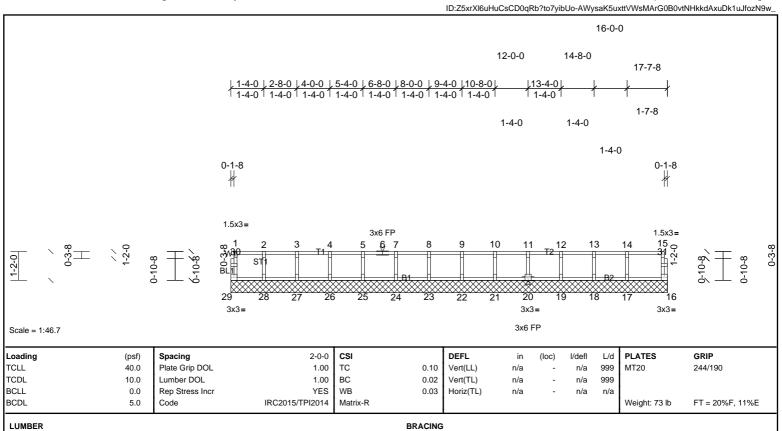
Rigid ceiling directly applied or 10-0-0 oc bracing

verticals

BOT CHORD



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TOP CHORD

TOP CHORD 2x4 SP No.2(flat) BOT CHORD 2x4 SP No.2(flat) WEBS

2x4 SP No.3(flat) 2x4 SP No.3(flat)

REACTIONS All bearings 17-7-8

(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 16, 17, 18, 19, 20, 21, 22, 23, 24,

25, 26, 27, 28, 29

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

NOTES

OTHERS

- 1) All plates are 1.5x3 (||) MT20 unless otherwise indicated.
- 2) Gable requires continuous bottom chord bearing
- 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 4) Gable studs spaced at 1-4-0 oc.
- 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/
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means. 6)



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

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

verticals

BOT CHORD

