Job	Truss	Truss Type	Qty	Ply	
71011477	A1X	Truss	1	1	Job Reference (optional)

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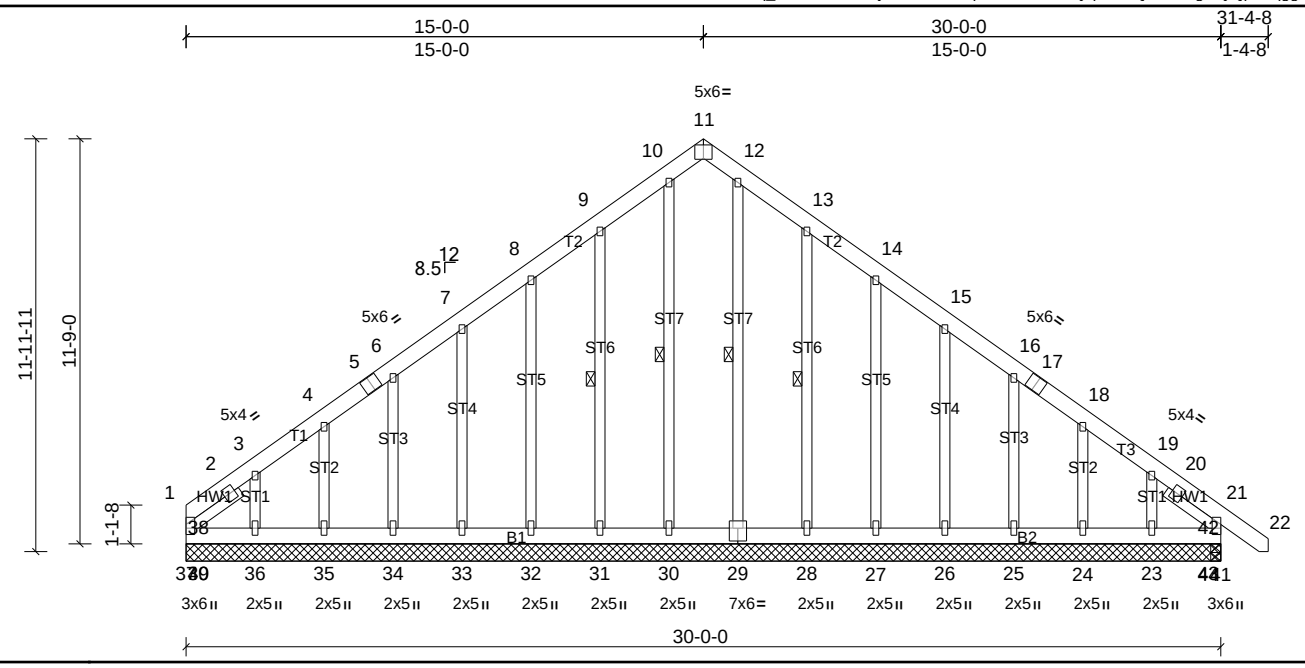


Plate Offsets (X, Y): [11:0-3-0,Edge], [29:0-3-0,0-4-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.01	21	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 289 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
OTHERS	2x4 SP No.3
SLIDER	Left 2x4 SP No.2 -- 1-11-0, Right 2x4 SP No.2 -- 1-11-0

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 10-30, 12-29, 9-31, 13-28

REACTIONS All bearings 30-0-0.

(lb) - Max Horiz 1=-290 (LC 6), 37=-290 (LC 6)

Max Uplift All uplift 100 (lb) or less at joint(s) 21, 24, 25, 26, 27, 28, 31, 32, 33, 34, 35, 41 except 1=-138 (LC 8), 23=-177 (LC 11), 36=-206 (LC 10), 37=-138 (LC 8)

Max Grav All reactions 250 (lb) or less at joint(s) 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35 except 1=253 (LC 10), 21=257 (LC 20), 36=261 (LC 17), 37=253 (LC 10), 41=257 (LC 20)

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

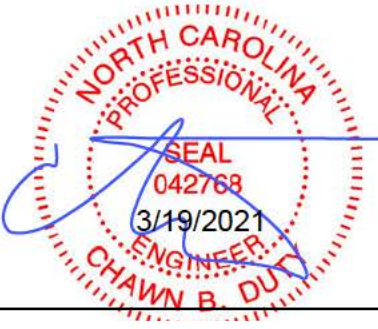
TOP CHORD 2-3=-326/229, 19-20=-263/187

BOT CHORD 37-39=-127/255, 36-39=-127/255, 35-36=-127/255, 34-35=-127/255, 33-34=-127/255, 32-33=-127/255, 31-32=-127/255, 30-31=-127/255, 29-30=-127/255, 28-29=-127/255, 27-28=-127/255, 26-27=-127/255, 25-26=-127/255, 24-25=-127/255, 23-24=-127/255, 23-43=-127/255

WEBS 37-40=-367/233

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=4.2psf; 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) All plates are 2x3 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 31, 32, 33, 34, 35, 28, 27, 26, 25, 24, 21, 21 except (jt=lb) 1=137, 36=205, 23=177, 1=137.
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ TPI 1.



Job	Truss	Truss Type	Qty	Ply	
71011477	A2X	Truss	7	1	Job Reference (optional)

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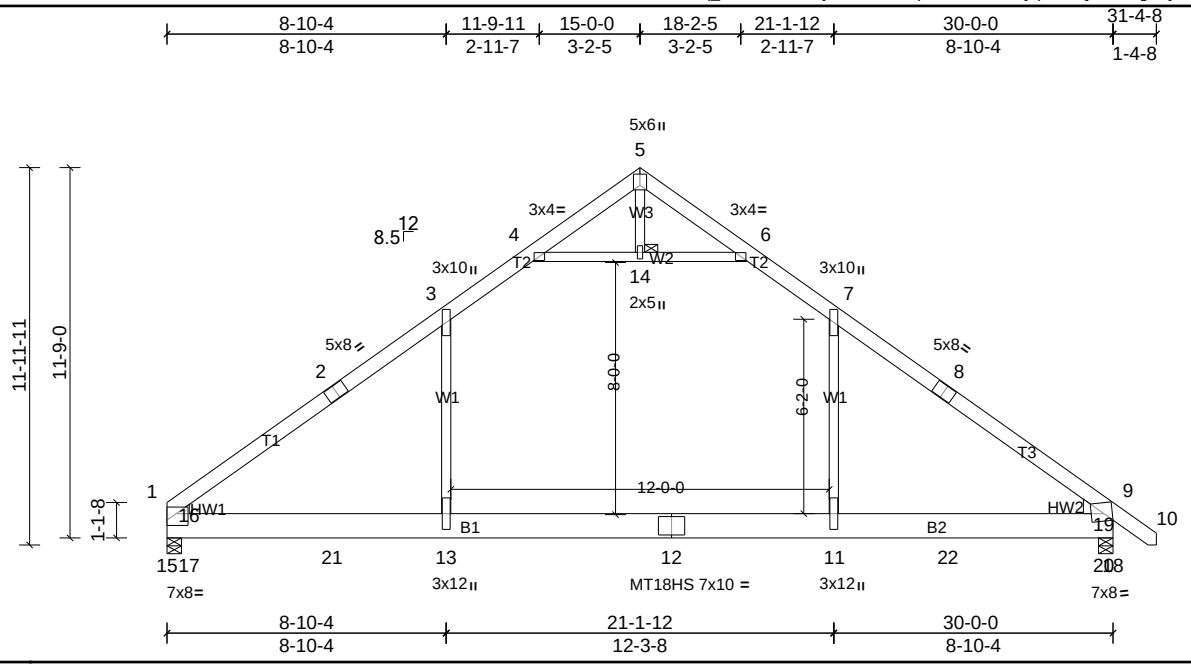


Plate Offsets (X, Y): [1:Edge,0-4-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.85	Vert(LL)	-0.41	11-13	>885	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.15	BC	0.85	Vert(CT)	-0.66	11-13	>542	180	MT18HS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.04	1	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH		Attic	-0.17	11-13	>850	360	Weight: 243 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP SS
BOT CHORD	2x10 SP No.1
WEBS	2x4 SP No.2 *Except* 5-14:2x4 SP No.3
WEDGE	Left: 2x4 SP No.2 Right: 2x6 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-5-15 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 9-6-15 oc bracing.
JOINTS	1 Brace at Jt(s): 14

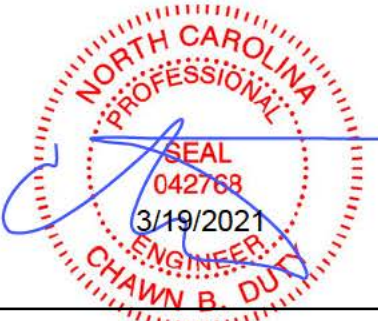
REACTIONS (lb/size) 1=1598/0-5-8, (min. 0-2-4), 9=1694/0-5-8, (min. 0-2-6)
Max Horiz 1=-290 (LC 6)
Max Uplift 1=-57 (LC 10), 9=-91 (LC 11)
Max Grav 1=1903 (LC 18), 9=1987 (LC 19)

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

TOP CHORD	1-16=-680/0, 2-16=-2660/88, 2-3=-2410/107, 3-4=-1770/260, 4-5=0/480, 5-6=0/477, 6-7=-1775/262, 7-8=-2401/102, 8-19=-2664/83, 9-19=-549/7
BOT CHORD	15-17=-111/919, 17-21=0/1985, 13-21=0/1985, 12-13=0/1985, 11-12=0/1985, 11-22=0/1985, 20-22=0/1985, 18-20=-93/847
WEBS	7-11=0/1022, 3-13=0/1040, 4-14=-2474/270, 6-14=-2474/270, 1-15=-527/0, 16-17=-1409/540, 15-16=-1133/0, 1-17=0/1061, 9-18=-646/583, 19-20=-1690/752, 18-19=-1091/0, 9-20=0/611

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=4.2psf; 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.
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) Wall dead load (5.0psf) on member(s).7-11, 3-13
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 11-13
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 57 lb uplift at joint 1 and 91 lb uplift at joint 9.
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) Attic room checked for L/360 deflection.



Job	Truss	Truss Type	Qty	Ply	
71011477	A3X	Truss	12	1	Job Reference (optional)

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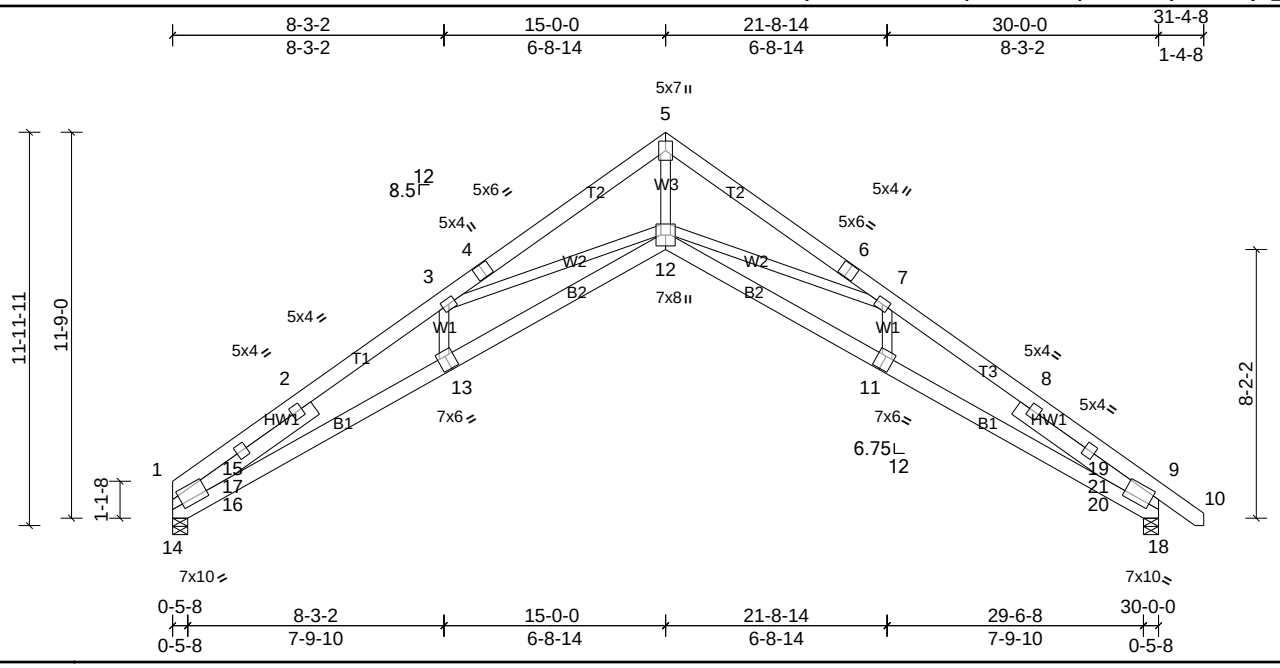


Plate Offsets (X, Y): [1:0-2-5,0-5-1], [9:0-2-5,0-5-1], [11:0-3-0,0-5-0], [13:0-3-0,0-5-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.85	Vert(LL)	-0.55	11-12	>656	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.15	BC	0.62	Vert(CT)	-0.87	11-12	>413	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.73	Horz(CT)	1.05	9	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 226 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP SS
WEBS	2x4 SP No.3 *Except* 12-5:2x4 SP No.1
SLIDER	Left 2x6 SP No.2 -- 5-3-14, Right 2x6 SP No.2 -- 5-3-14

BRACING

TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 9-1-1 oc bracing.

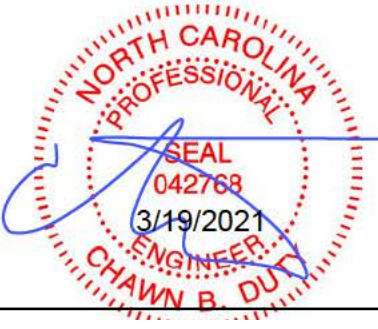
REACTIONS (lb/size) 1=1408/0-5-8, (min. 0-1-8), 9=1504/0-5-8, (min. 0-1-8)
Max Horiz 1=-290 (LC 6)
Max Uplift 1=-196 (LC 10), 9=-229 (LC 11)

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

TOP CHORD	1-15=-1840/307, 2-15=-1672/395, 2-3=-4895/876, 3-4=-4422/372, 4-5=-4345/401, 5-6=-4345/443, 6-7=-4422/413, 7-8=-4876/666, 8-19=-1585/296, 9-19=-1817/222
BOT CHORD	14-16=-527/2137, 13-16=-850/4393, 12-13=-849/4476, 11-12=-412/4445, 11-20=-416/4354, 18-20=-234/2044
WEBS	5-12=-319/4392, 7-12=-654/756, 3-12=-670/593, 1-14=-942/169, 16-17=-1002/248, 1-17=-162/1071, 14-17=-1962/350, 2-17=-3354/463, 9-18=-1094/222, 20-21=-969/175, 19-21=0/296, 9-21=-67/943, 18-21=-1903/274, 8-21=-3422/351

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=4.2psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
5) Bearing at joint(s) 1, 9 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 capable of withstanding 196 lb uplift at joint 1 and 229 lb uplift at joint 9.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



Job	Truss	Truss Type	Qty	Ply	
71011477	A4X	Truss	1	1	Job Reference (optional)

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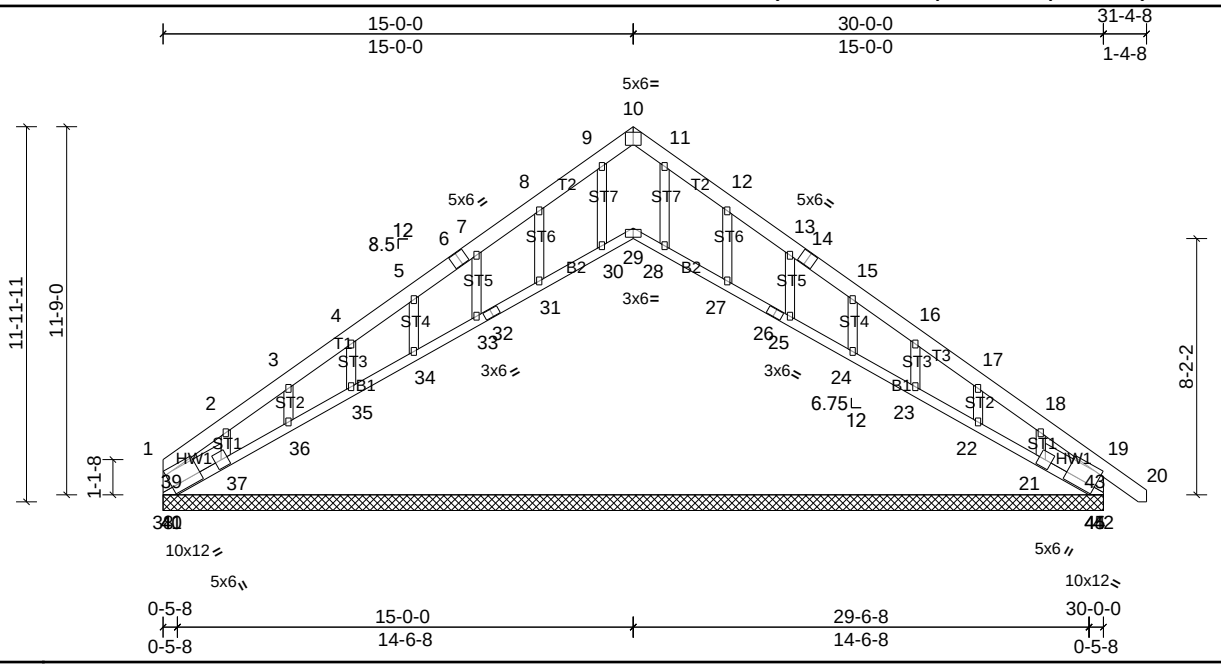

Plate Offsets (X, Y): [1:0-1-3,0-8-1], [10:0-3-0,Edge], [19:0-1-3,0-8-1]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.11	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.01	19	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 192 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x4 SP No.2
OTHERS	2x4 SP No.3
SLIDER	Left 2x6 SP No.2 -- 2-4-10, Right 2x6 SP No.2 -- 2-4-10

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS All bearings 30-0-0.

(lb) - Max Horiz 1=-290 (LC 6), 38=-290 (LC 6)

Max Uplift All uplift 100 (lb) or less at joint(s) 19, 22, 23, 24, 25, 29, 30, 33, 34, 35, 36, 42 except 1=-250 (LC 6), 21=-167 (LC 11), 27=-126 (LC 11), 31=-114 (LC 10), 37=-217 (LC 10), 38=-250 (LC 6)

Max Grav All reactions 250 (lb) or less at joint(s) 19, 21, 22, 23, 24, 25, 27, 28, 29, 30, 31, 33, 34, 35, 36, 42 except 1=298 (LC 9), 37=294 (LC 17), 38=298 (LC 9)

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

TOP CHORD	2-39=-279/263, 7-8=-175/259, 8-9=-251/324, 11-12=-251/324
BOT CHORD	38-40=-256/293, 37-40=-308/344
WEBS	39-41=-260/256, 1-41=-271/298, 37-41=-199/265

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=4.2psf; 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) All plates are 2x3 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) Bearing at joint(s) 29, 30, 28, 31, 27 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 29, 19, 30, 33, 34, 35, 36, 25, 24, 23, 22, 19 except (jt=lb) 1=249, 37=217, 21=166, 31=114, 27=126, 1=249.
11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 29, 37, 21, 30, 28, 31, 33, 34, 35, 36, 27, 25, 24, 23, 22.
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/TPI 1.