ENGINEERING BY
TRENCO
A MiTek Affiliate

Trenco
818 Soundside Rd
Edenton, NC 27932

Re: 29653-29653A
LAUREN WELLONS JOB - FLOOR

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by 84 Components - #2383.

Pages or sheets covered by this seal: I49342678 thru I49342733

My license renewal date for the state of North Carolina is December 31, 2021.

North Carolina COA: C-0844

December 21,2021

Sevier, Scott

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	A1	GABLE	1	1	I49342678
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:38:44 2021 Page 1
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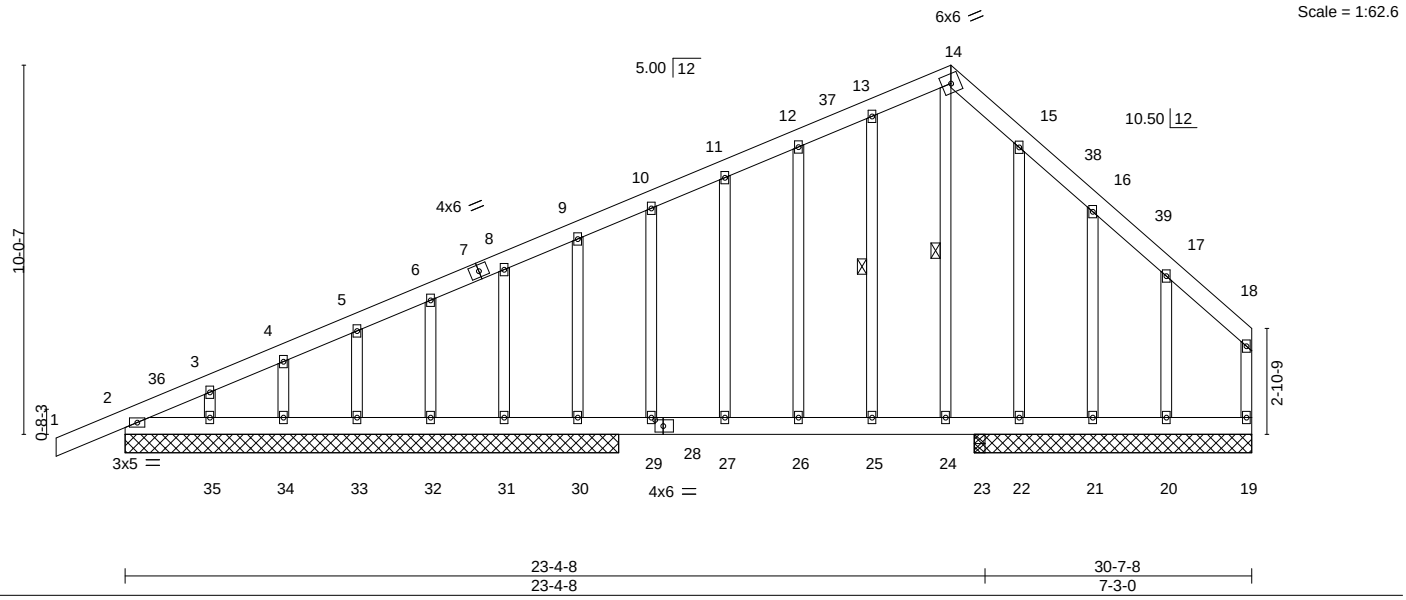

Plate Offsets (X,Y)-- [28:0-2-10,0-2-0]

LOADING (psf)		SPACING- 2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plate Grip DOL 1.15	TC 0.40		Vert(LL)	0.11	26-27	>999	240	MT20	244/190
TCDL 10.0		Lumber DOL 1.15	BC 0.72		Vert(TL)	-0.17	26-27	>768	180		
BCLL 0.0	*	Rep Stress Incr YES	WB 0.23		Horz(TL)	-0.00	19	n/a	n/a		
BCDL 10.0		Code IBC2006/TPI2002	Matrix-S							Weight: 269 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 14-24, 13-25

REACTIONS. All bearings 13-5-0 except (jt=length) 19=7-6-8, 22=7-6-8, 21=7-6-8, 20=7-6-8, 23=0-3-8.
(lb) - Max Horz 2=600(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 33, 35 except 2=-272(LC 9), 19=-119(LC 9), 30=-590(LC 9), 31=-355(LC 1), 32=-175(LC 9), 34=-143(LC 9), 22=-577(LC 13), 21=-211(LC 9), 20=-245(LC 9), 23=-447(LC 8)
Max Grav All reactions 250 lb or less at joint(s) 19, 31, 33, 34, 35, 21, 20 except 2=260(LC 1), 30=949(LC 1), 32=266(LC 1), 22=318(LC 8), 23=1055(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-527/297, 3-4=-492/276, 4-5=-470/265, 5-6=-450/254, 6-8=-428/251, 8-9=-414/273, 9-10=-384/406, 10-11=-363/456, 11-12=-342/493, 12-13=-326/536, 13-14=-300/584, 14-15=-300/639, 15-16=-278/538, 16-17=-187/356
WEBS 14-24=-382/253, 9-30=-437/349, 16-21=-163/255, 17-20=-156/306

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=31ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) -1-10-8 to 1-2-4, Interior(1) 1-2-4 to 22-5-6, Exterior(2) 22-5-6 to 25-6-2, Interior(1) 25-6-2 to 30-5-13 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. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2.5x4 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 3-6-0 tall by 2-0-0 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) except (jt=lb) 30=590.
9) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 19, 31, 32, 33, 34, 35, 22, 21, 20, and 23. This connection is for uplift only and does not consider lateral forces.

December 21,2021

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A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	A2	Roof Special	10	1	I49342679
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:38:45 2021 Page 1
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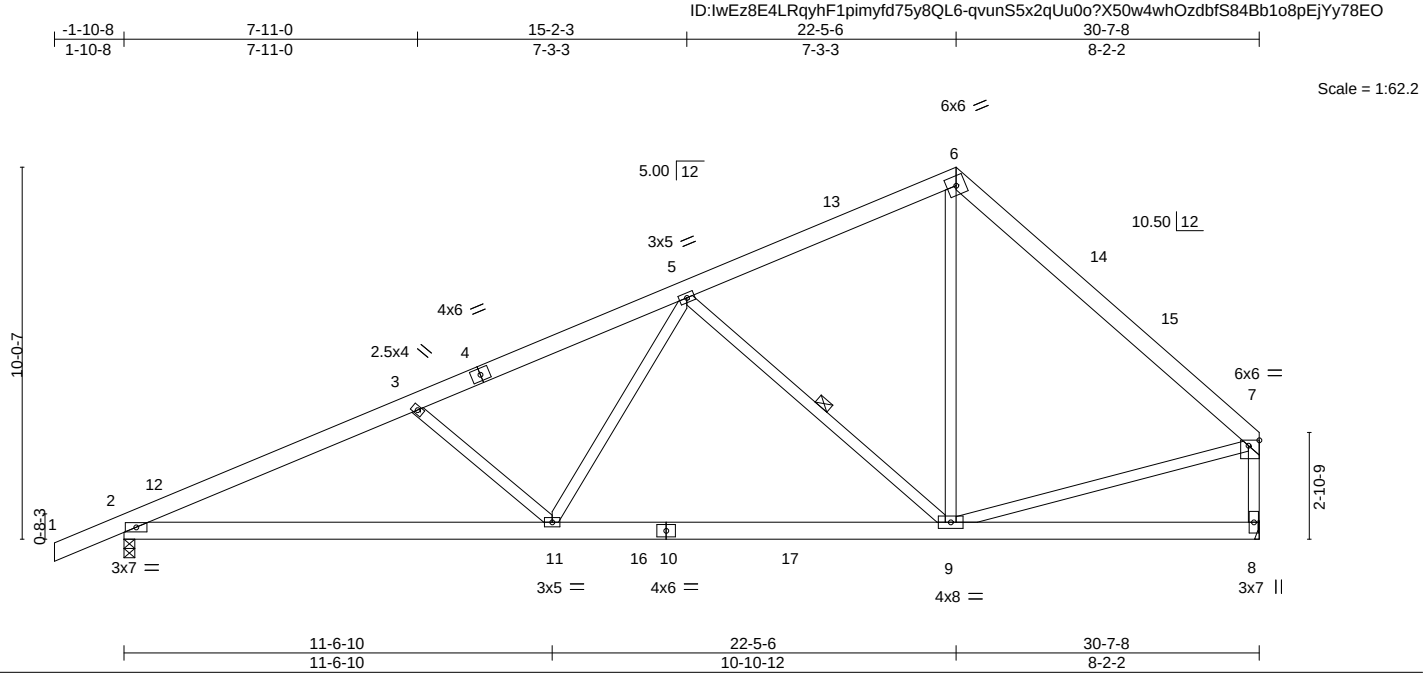

Plate Offsets (X,Y)-- [7:Edge,0-1-12]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.67	Vert(LL)	-0.19	9-11	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.67	Vert(TL)	-0.35	2-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.47	Horz(TL)	0.05	8	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-S							Weight: 220 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
7-8: 2x4 SP No.2 or 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-5-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-3-10 oc bracing.
WEBS 1 Row at midpt 5-9

REACTIONS. (size) 2=0-3-8, 8=Mechanical
Max Horz 2=600(LC 8)
Max Uplift 2=-862(LC 9), 8=-667(LC 9)
Max Grav 2=1417(LC 1), 8=1294(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2527/1354, 3-5=-2171/1180, 5-6=-1041/777, 6-7=-1314/774, 7-8=-1242/812
BOT CHORD 2-11=-1366/2225, 9-11=-888/1577
WEBS 3-11=-403/498, 5-11=-221/715, 5-9=-962/669, 6-9=-278/707, 7-9=-248/846

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=31ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) -1-10-8 to 1-2-4, Interior(1) 1-2-4 to 22-5-6, Exterior(2) 22-5-6 to 25-6-2, Interior(1) 25-6-2 to 30-5-13 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=862, 8=667.

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Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	A3	GABLE	1	1	I49342680
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:38:46 2021 Page 1
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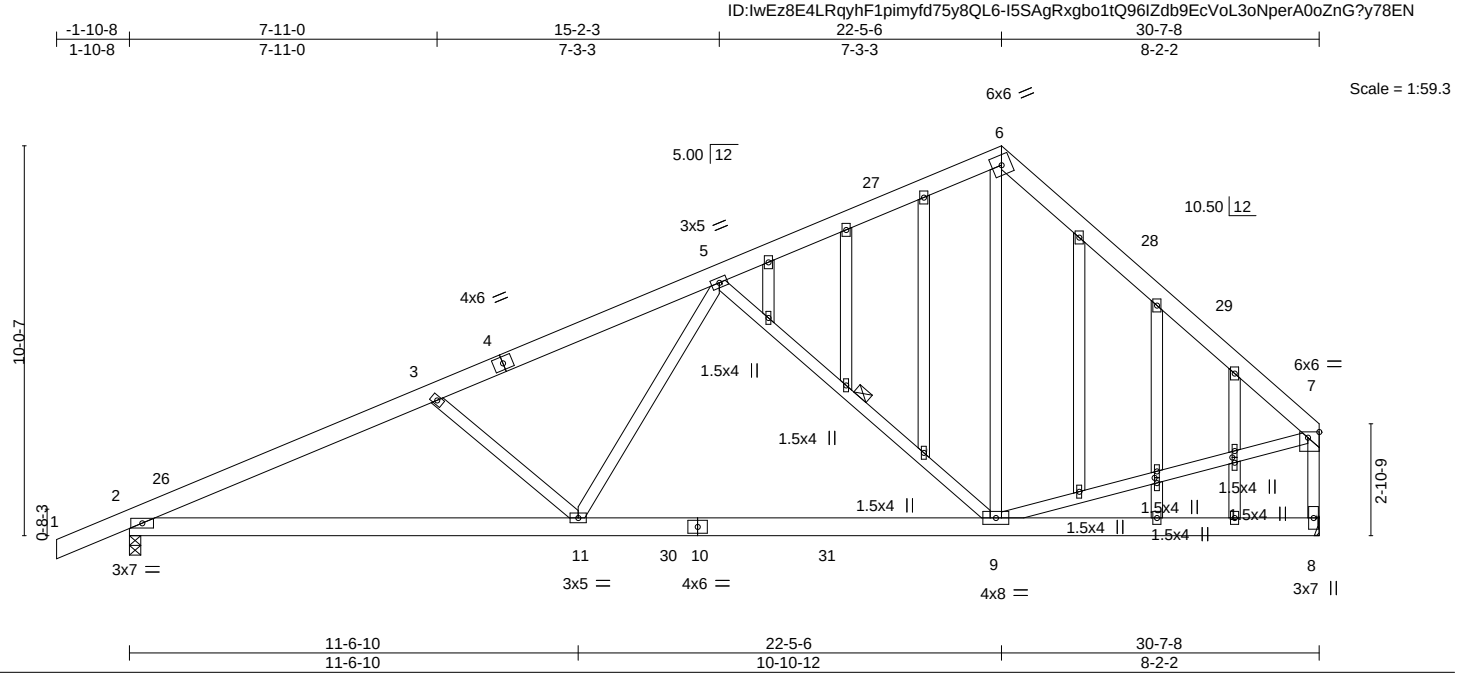

Plate Offsets (X,Y)-- [7:Edge,0-1-12], [22:0-1-10,0-0-12], [25:0-1-10,0-0-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.67	Vert(LL)	-0.19	9-11	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.67	Vert(TL)	-0.35	2-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.47	Horz(TL)	0.05	8	n/a	n/a		
BCDL	10.0	Code	IBC2006/TPI2002	Matrix-S							Weight: 262 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3 *Except*
	7-8: 2x4 SP No.2 or 2x4 SPF No.2
OTHERS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-5-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-3-10 oc bracing.
WEBS	1 Row at midpt 5-9

REACTIONS. (size) 2=0-3-8, 8=Mechanical
Max Horz 2=600(LC 8)
Max Uplift 2=-862(LC 9), 8=-667(LC 9)
Max Grav 2=1417(LC 1), 8=1294(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2527/1354, 3-5=-2171/1180, 5-6=-1041/777, 6-7=-1314/774, 7-8=-1242/812
BOT CHORD 2-11=-1366/2225, 9-11=-888/1577
WEBS 3-11=-403/498, 5-11=-221/715, 5-9=-962/669, 6-9=-278/707, 7-9=-248/846

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=31ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) -1-10-8 to 1-2-4, Interior(1) 1-2-4 to 22-5-6, Exterior(2) 22-5-6 to 25-6-2, Interior(1) 25-6-2 to 30-5-13 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. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2.5x4 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=862, 8=667.

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	A4	Roof Special	4	1	I49342681
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:38:48 2021 Page 1
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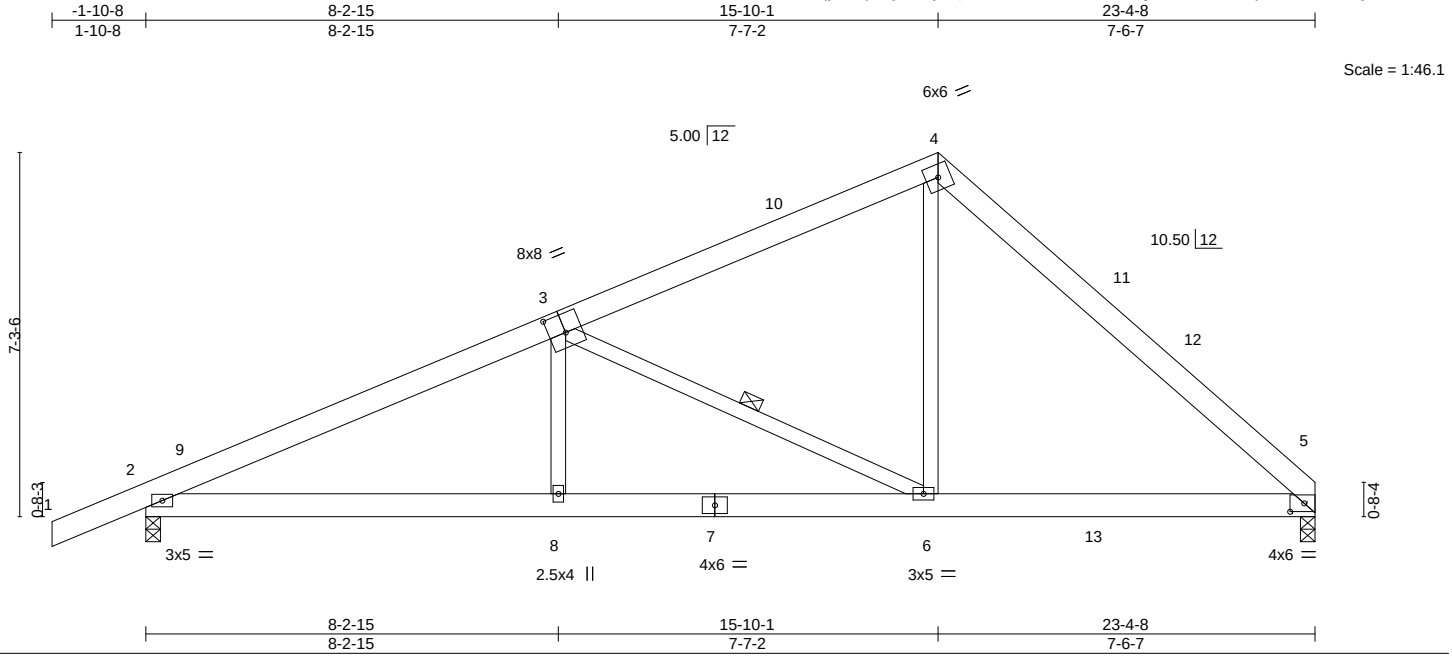

Plate Offsets (X,Y)-- [3:0-4-0,0-4-8], [5:0-3-6,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.42	Vert(LL)	0.07	2-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.48	Vert(TL)	-0.14	2-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.29	Horz(TL)	0.04	5	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-S							Weight: 150 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-4-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-5-4 oc bracing.
WEBS 1 Row at midpt 3-6

REACTIONS. (size) 5=0-3-8, 2=0-3-8
Max Horz 2=366(LC 8)
Max Uplift 5=-503(LC 9), 2=-704(LC 9)
Max Grav 5=1015(LC 1), 2=1083(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1728/960, 3-4=-982/669, 4-5=-1204/686
BOT CHORD 2-8=-737/1493, 6-8=-738/1490, 5-6=-227/807
WEBS 3-8=0/327, 3-6=-776/565, 4-6=-203/635

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) -1-10-8 to 1-1-8, Interior(1) 1-1-8 to 15-10-1, Exterior(2) 15-10-1 to 18-10-1, Interior(1) 18-10-1 to 23-2-12 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 3-6-0 tall by 2-0-0 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 100 lb uplift at joint(s) except (jt=lb) 2=704.
6) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5. This connection is for uplift only and does not consider lateral forces.

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	A5	Roof Special	3	1	I49342682
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:38:49 2021 Page 1
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-1-10-8	8-2-15	15-10-1	19-0-15	24-4-1	30-10-8	32-3-0
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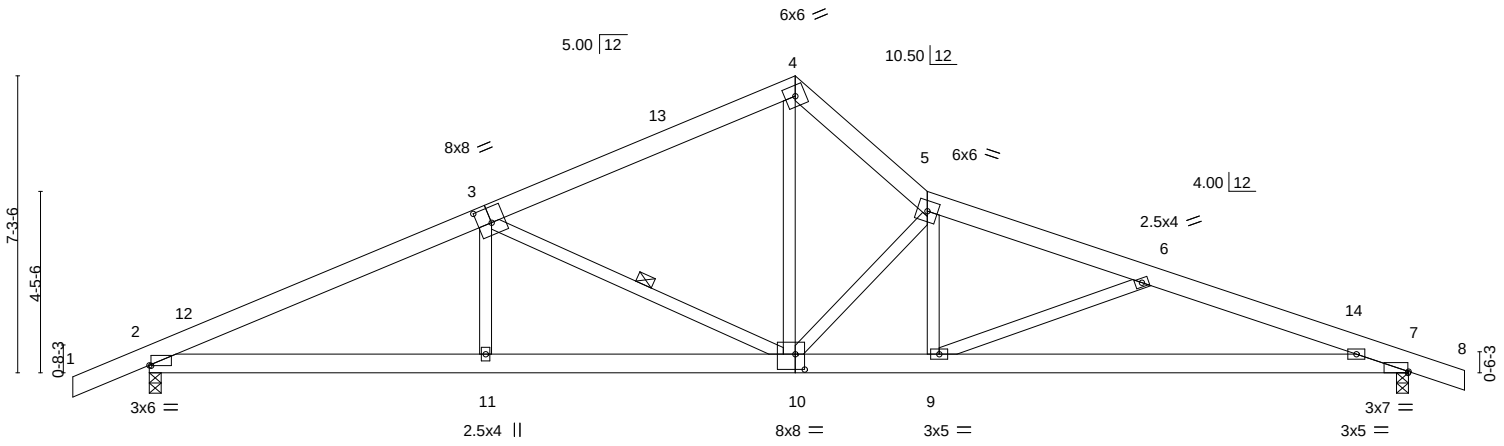

8-2-15	15-10-1	19-0-15	30-10-8
8-2-15	7-7-2	3-2-14	11-9-9

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.43	Vert(LL)	0.21	9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.70	Vert(TL)	-0.47	7-9	>789	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.74	Horz(TL)	0.09	7	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-S							Weight: 207 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-1-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-10-7 oc bracing.
WEBS 1 Row at midpt 3-10

REACTIONS. (size) 2=0-3-8, 7=0-3-8
Max Horz 2=277(LC 8)
Max Uplift 2=-865(LC 9), 7=-813(LC 9)
Max Grav 2=1346(LC 1), 7=1313(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2376/1380, 3-4=-1602/1076, 4-5=-1888/1321, 5-6=-2444/1473, 6-7=-2932/1835
BOT CHORD 2-11=-1083/2083, 10-11=-1084/2081, 9-10=-1099/2253, 7-9=-1566/2729
WEBS 3-11=0/357, 3-10=-789/583, 4-10=-902/1458, 5-10=-1359/859, 5-9=-52/474, 6-9=-514/522

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=31ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) -1-10-8 to 1-2-9, Interior(1) 1-2-9 to 15-10-1, Exterior(2) 15-10-1 to 19-0-15, Interior(1) 19-0-15 to 32-3-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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 3-6-0 tall by 2-0-0 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 100 lb uplift at joint(s) except (jt=lb) 2=865, 7=813.

December 21,2021

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	A6	GABLE	1	1	I49342683
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:38:50 2021 Page 1
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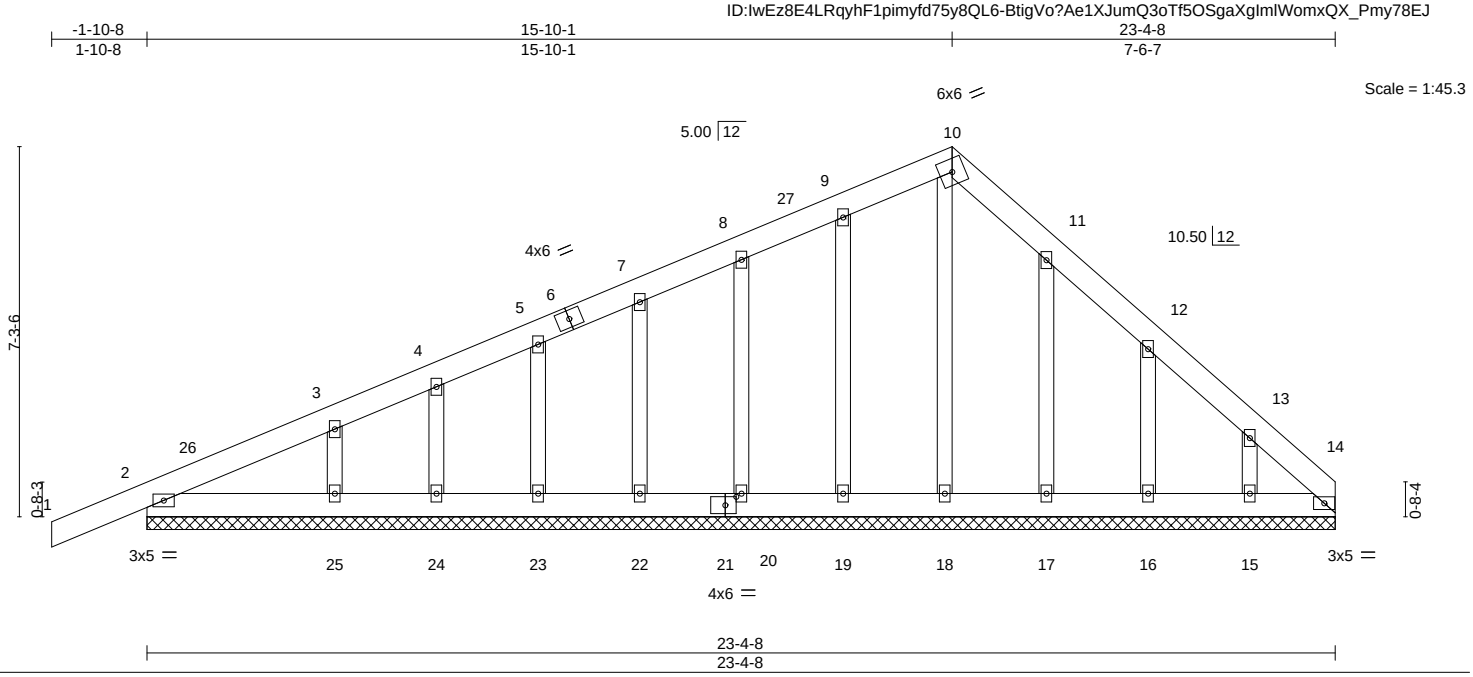

Plate Offsets (X,Y)-- [21:0-2-9,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.27	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(TL)	-0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(TL)	0.00	14	n/a	n/a		
BCDL	10.0	Code	IBC2006/TPI2002	Matrix-S							Weight: 177 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
OTHERS 2x4 SP No.3

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.

REACTIONS. All bearings 23-4-8.
(lb) - Max Horz 2=366(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 14, 18, 19 except 2=-241(LC 9), 20=-123(LC 9), 22=-113(LC 9), 23=-109(LC 9), 24=-119(LC 9), 25=-121(LC 9), 17=-157(LC 9), 16=-208(LC 9), 15=-211(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 14, 18, 19, 20, 22, 23, 24, 25, 17, 16, 15 except 2=281(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-276/124, 8-9=-109/263, 9-10=-84/343, 10-11=-68/411, 11-12=-70/254
WEBS 9-19=-129/286, 3-25=-173/313, 12-16=-130/287, 13-15=-129/272

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Corner(3) -1-10-8 to 1-1-8, Exterior(2) 1-1-8 to 15-10-1, Corner(3) 15-10-1 to 18-10-1, Exterior(2) 18-10-1 to 23-4-8 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. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2.5x4 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 14, 2, 18, 19, 20, 22, 23, 24, 25, 17, 16, and 15. This connection is for uplift only and does not consider lateral forces.

December 21,2021

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	A7	Monopitch Supported Gable	2	1	I49342684
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:38:51 2021 Page 1
ID:IwEz8E4LRqyhF1pimyfd75y8QL6-f3F3j8?pPKf9Ww?FMABKxfCd24e_UzsvA4GYxCy78EI

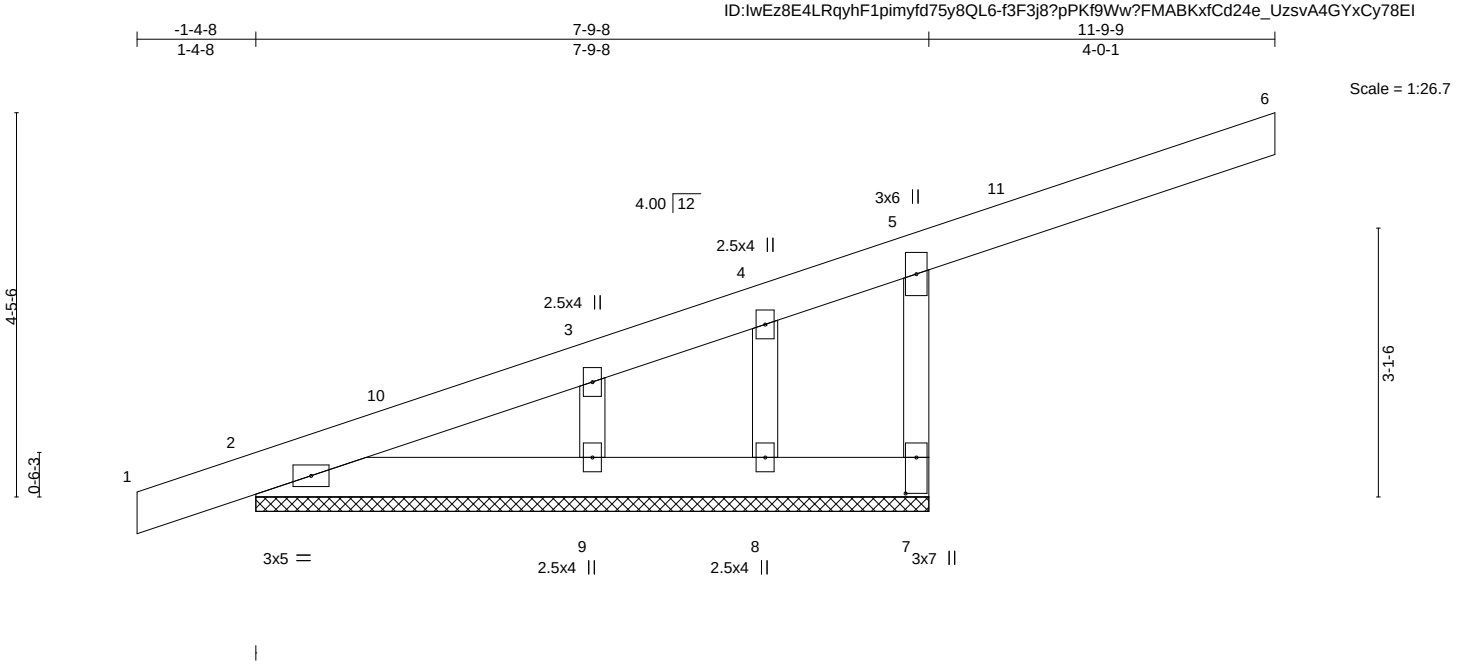

Plate Offsets (X,Y)-- [7:0-5-0,0-1-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.80	Vert(LL)	0.00	5	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(TL)	-0.08	5-6	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horz(TL)	0.00	7	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-P							Weight: 58 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP DSS
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 7-9-8.
(lb) - Max Horz 2=344(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) except 7=-1015(LC 9), 2=-154(LC 9), 9=-220(LC 9), 8=-255(LC 1)
Max Grav All reactions 250 lb or less at joint(s) 2 except 7=648(LC 1), 9=322(LC 1), 8=546(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-550/39, 3-4=-362/27, 4-5=-630/121, 5-7=-631/1714
WEBS 3-9=-242/537, 4-8=-870/280

NOTES-
1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Corner(3) -1-4-8 to 1-7-8, Exterior(2) 1-7-8 to 11-9-9 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Gable requires continuous bottom chord bearing.
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.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1015 lb uplift at joint 7.
8) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 9, and 8. This connection is for uplift only and does not consider lateral forces.

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Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	B1	GABLE	1	1	I49342685
					Job Reference (optional)

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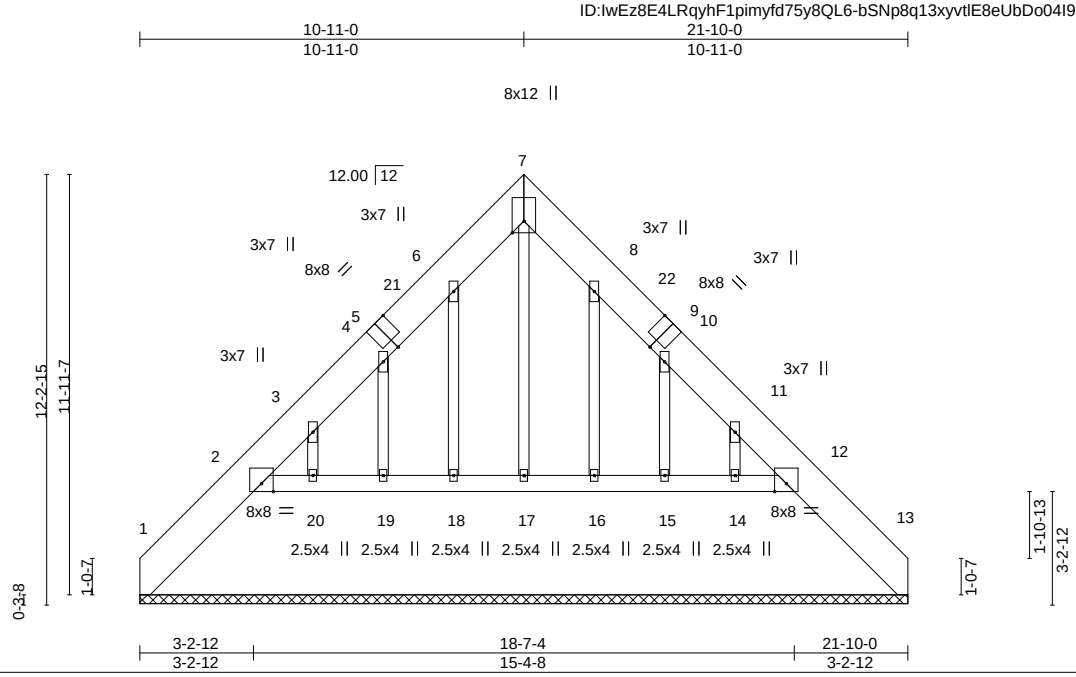

Plate Offsets (X,Y)-- [5:0-4-0,Edge], [9:0-4-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.04	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(TL)	0.01	13	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-S							Weight: 231 lb	FT = 20%

LUMBER-
TOP CHORD 2x12 SP DSS
BOT CHORD 2x6 SP No.2
OTHERS 2x4 SP No.3

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.

REACTIONS. All bearings 21-10-0.
(lb) - Max Horz 1=-573(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) 17, 18, 16 except 2=-167(LC 8), 19=-218(LC 9), 20=-188(LC 9), 15=-218(LC 9), 14=-188(LC 9), 1=-396(LC 7), 13=-101(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 17, 18, 19, 20, 16, 15, 14, 13 except 2=365(LC 7), 12=329(LC 1), 1=482(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-743/748, 2-3=-393/346, 3-4=-317/278, 4-6=-245/279, 6-7=-163/351, 7-8=-95/350, 8-10=-119/277
BOT CHORD 2-20=-241/362, 19-20=-232/382, 18-19=-228/393, 17-18=-225/396, 16-17=-225/396, 15-16=-223/392, 14-15=-216/380, 12-14=-205/359
WEBS 4-19=-157/264, 10-15=-149/264

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) 0-1-12 to 3-2-12, Interior(1) 3-2-12 to 10-11-0, Exterior(2) 10-11-0 to 13-11-0, Interior(1) 13-11-0 to 21-8-4 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. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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) except (jt=lb) 2=167.
9) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 17, 18, 19, 20, 16, 15, 14, 1, and 13. This connection is for uplift only and does not consider lateral forces.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 12, 17, 18, 19, 20, 16, 15, 14.
11) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	B2	ROOF SPECIAL	1	2	I49342686
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:38:53 2021 Page 1
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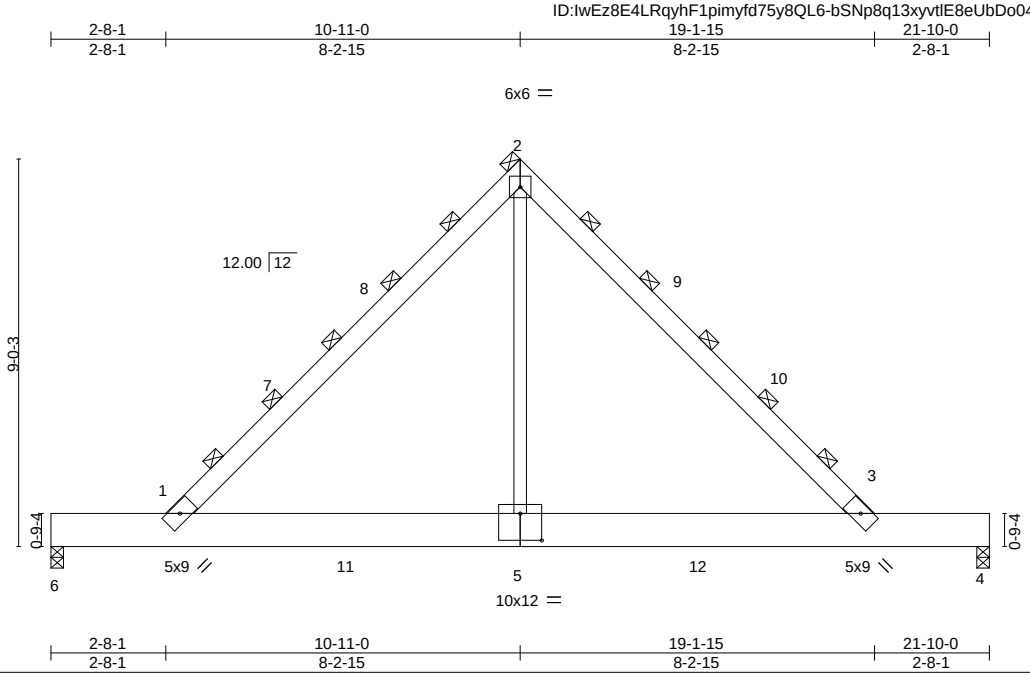

Plate Offsets (X,Y)-- [5:0-6-0,0-7-8]

LOADING (psf)		SPACING-	2-9-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.37	Vert(LL)	0.13	1-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.45	Vert(TL)	-0.23	1-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.38	Horz(TL)	0.01	4	n/a	n/a		
BCDL	10.0	Code	IBC2006/TPI2002	Matrix-S							Weight: 303 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x10 SP DSS
WEBS 2x4 SP No.3

BRACING-
TOP CHORD 2-0-0 oc purlins (6-0-0 max.)
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 6=0-3-8, 4=0-3-8
Max Horz 6=607(LC 8)
Max Uplift 6=-463(LC 9), 4=-463(LC 9)
Max Grav 6=1410(LC 1), 4=1410(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1977/936, 2-3=-1977/936
BOT CHORD 1-6=-607/607, 1-5=-196/1272, 3-5=-196/1272
WEBS 2-5=-513/1821

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) 2-8-1 to 5-8-1, Interior(1) 5-8-1 to 10-11-0, Exterior(2) 10-11-0 to 13-11-0, Interior(1) 13-11-0 to 19-1-15 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
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 6 and 4. This connection is for uplift only and does not consider lateral forces.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	B3	Roof Special Girder	1	2	I49342687
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:38:55 2021 Page 1
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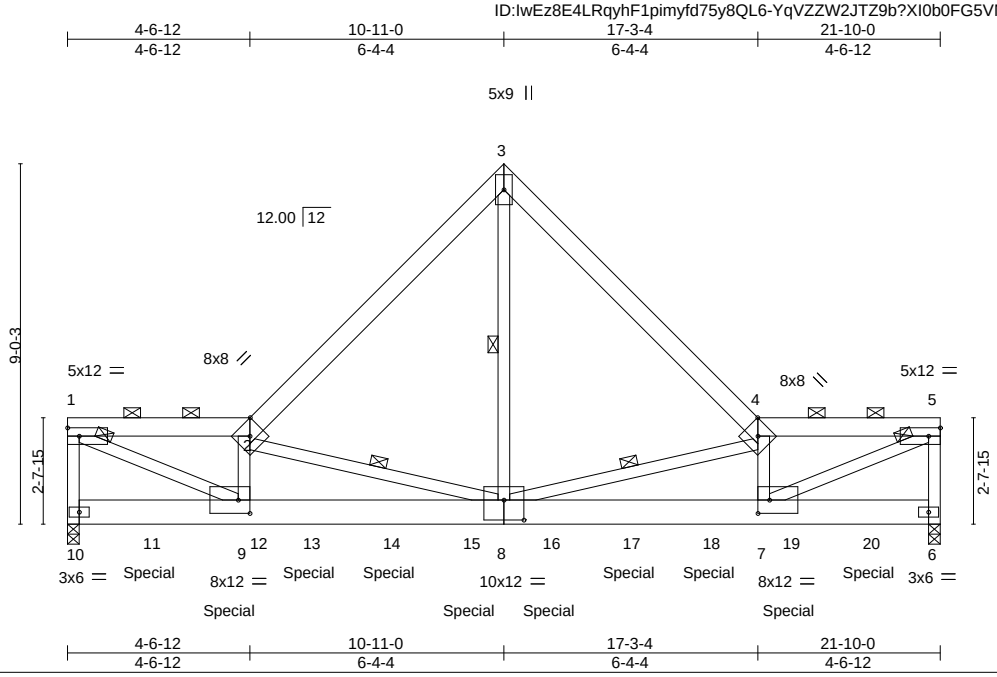

Plate Offsets (X,Y)-- [7:0-3-8,0-4-0], [8:0-6-0,0-6-0], [9:0-3-8,0-4-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.65	Vert(LL)	0.36	7-8	>721	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.92	Vert(TL)	-0.54	7-8	>479	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.95	Horz(TL)	0.06	6	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-S							Weight: 371 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x8 SP DSS
WEBS 2x4 SP No.3 *Except*
1-10,5-6: 2x4 SP No.2 or 2x4 SPF No.2, 1-9,5-7: 2x4 SP DSS
3-8: 2x4 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-1-14 oc purlins, except end verticals, and 2-0-0 oc purlins (4-0-12 max.): 1-2, 4-5.
BOT CHORD Rigid ceiling directly applied or 8-0-6 oc bracing.
WEBS 1 Row at midpt 2-8, 3-8, 4-8

REACTIONS. (size) 10=0-3-8, 6=0-3-8
Max Horz 10=-499(LC 5)
Max Uplift 10=-3827(LC 7), 6=-3918(LC 7)
Max Grav 10=7147(LC 1), 6=7319(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-6126/3312, 1-2=-12302/6659, 2-3=-7603/4149, 3-4=-7603/4149, 4-5=-12351/6685, 5-6=-6148/3324
BOT CHORD 9-10=-573/499, 8-9=-6678/12528, 7-8=-6703/12575
WEBS 1-9=-7236/13475, 2-9=-3239/1896, 2-8=-7537/4260, 3-8=-5387/10088, 4-8=-7587/4287, 4-7=-3223/1887, 5-7=-7262/13522

NOTES-
1) 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, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-7-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) The Fabrication Tolerance at joint 8 = 12%
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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Bearing at joint(s) 10, 6 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) except (jt=lb) 10=3827, 6=3918.
11) 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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Continued on page 2

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NOTES-

12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1274 lb down and 679 lb up at 2-0-12, 1274 lb down and 679 lb up at 4-0-12, 1274 lb down and 679 lb up at 6-0-12, 1274 lb down and 679 lb up at 8-0-12, 1274 lb down and 679 lb up at 10-0-12, 1274 lb down and 679 lb up at 12-0-12, 1274 lb down and 679 lb up at 14-0-12, 1274 lb down and 679 lb up at 16-0-12, and 1274 lb down and 679 lb up at 18-0-12, and 1274 lb down and 679 lb up at 20-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced) + Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-2=-60, 2-3=-60, 3-4=-60, 4-5=-60, 6-10=-20
   Concentrated Loads (lb)
   Vert: 11=-1274(B) 12=-1274(B) 13=-1274(B) 14=-1274(B) 15=-1274(B) 16=-1274(B) 17=-1274(B) 18=-1274(B) 19=-1274(B) 20=-1274(B)

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	C1	GABLE	1	1	I49342688
					Job Reference (optional)

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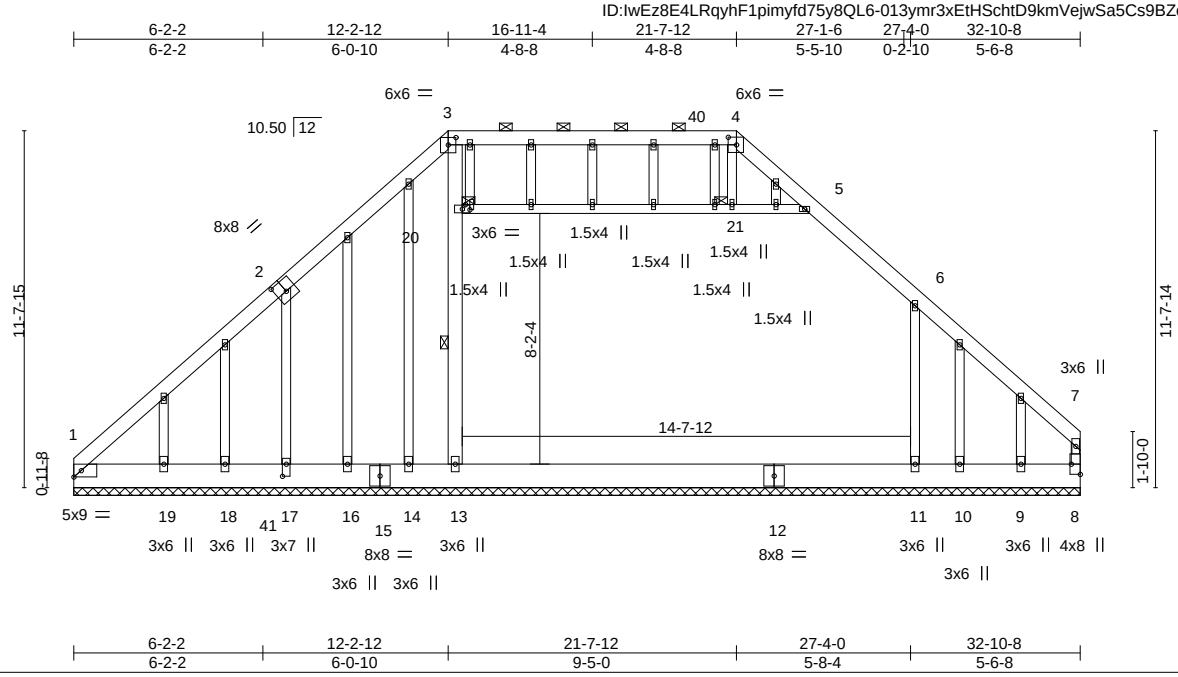

Plate Offsets (X,Y)-- [2:0-4-0,0-4-8], [3:0-3-0,0-2-14], [4:0-3-4,0-3-0], [8:Edge,0-3-8], [17:0-4-12,0-1-8], [26:0-2-0,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.94	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.66	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.32	Horz(TL)	0.01	8	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-S							Weight: 347 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2
BOT CHORD	2x10 SP No.2
WEBS	2x4 SP No.2 or 2x4 SPF No.2 *Except* 3-13: 2x6 SP No.2, 7-8: 2x4 SP No.1
OTHERS	2x4 SP No.3

BRACING-

TOP 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.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 13-20
JOINTS	1 Brace at Jt(s): 20, 21

REACTIONS. All bearings 32-10-8.
(lb) - Max Horz 1=628(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 18 except 1=-264(LC 5), 8=-232(LC 6), 11=-356(LC 9), 14=-903(LC 15), 17=-705(LC 9), 19=-123(LC 9), 10=-971(LC 13), 9=-177(LC 1)
Max Grav All reactions 250 lb or less at joint(s) 18, 19, 9 except 1=698(LC 1), 13=1457(LC 14), 8=994(LC 1), 11=1755(LC 15), 16=319(LC 13), 17=502(LC 7)

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

TOP CHORD	1-2=-929/446, 2-3=-896/859, 3-4=-620/764, 4-5=-796/783, 5-6=-916/793, 6-7=-883/252, 7-8=-682/277
BOT CHORD	1-19=-184/590, 18-19=-184/590, 17-18=-184/590, 16-17=-173/581, 14-16=-173/581, 13-14=-173/581, 11-13=-168/574, 10-11=-168/574, 9-10=-168/574, 8-9=-168/574
WEBS	3-20=-201/265, 6-11=-460/772, 2-17=-478/854

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=33ft; eave=2ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Corner(3) 0-0-0 to 3-3-7, Exterior(2) 3-3-7 to 12-2-12, Corner(3) 12-2-12 to 15-6-3, Exterior(2) 15-6-3 to 21-7-12, Corner(3) 21-7-12 to 24-11-3, Exterior(2) 24-11-3 to 32-8-13 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. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
10) Ceiling dead load (5.0 psf) on member(s). 2-3, 5-6, 6-7, 20-21, 5-21
11) N/A

12) N/A

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Continued on page 2

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NOTES-

13) N/A

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

15) Attic room checked for L/360 deflection.

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	C2	ROOF TRUSS	5	1	I49342689
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:38:57 2021 Page 1
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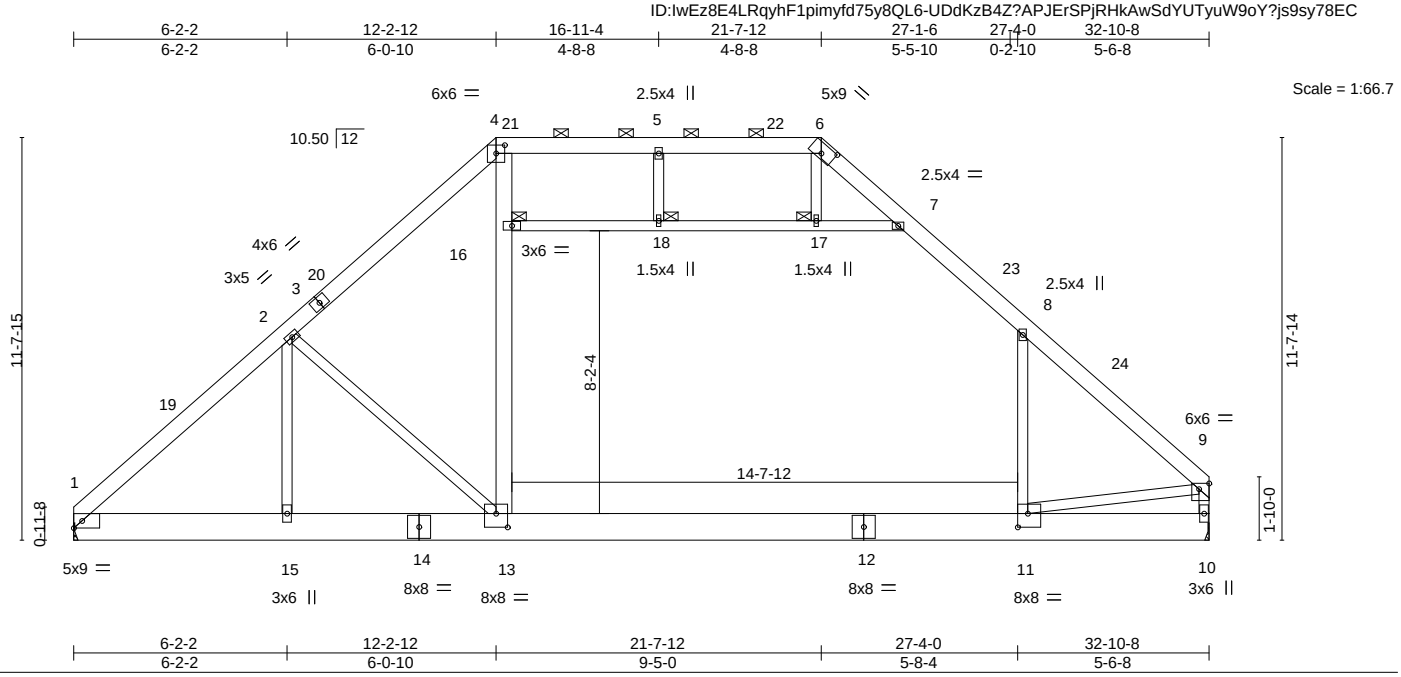

Plate Offsets (X,Y)-- [4:0-3-0,0-2-14], [6:0-4-8,0-3-4], [9:Edge,0-2-0], [11:0-3-8,0-4-12], [13:0-4-0,0-4-12]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.92	Vert(LL)	-0.72	11-13	>544	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.99	Vert(TL)	-1.08	11-13	>364	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.88	Horz(TL)	0.03	10	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-S		Attic	-0.37	11-13	489	360	Weight: 309 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except*
4-6,6-9: 2x6 SP DSS
BOT CHORD 2x10 SP No.2
WEBS 2x4 SP No.2 or 2x4 SPF No.2 *Except*
4-13: 2x6 SP DSS, 9-11: 2x4 SP No.3, 7-16: 2x4 SP DSS

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-12 oc purlins, except end verticals, and 2-0-0 oc purlins (5-7-3 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
JOINTS 1 Brace at Jt(s): 16, 17, 18

REACTIONS. (size) 1=Mechanical, 10=Mechanical
Max Horz 1=628(LC 8)
Max Uplift 1=-688(LC 9), 10=-669(LC 9)
Max Grav 1=1835(LC 1), 10=2131(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2408/1042, 2-4=-2253/1113, 4-5=-1321/861, 5-6=-1323/862, 6-7=-1597/934, 7-8=-1870/974, 8-9=-2503/712, 9-10=-2250/709
BOT CHORD 1-15=-716/1715, 13-15=-716/1714, 11-13=-353/1641, 10-11=-213/293
WEBS 2-15=-236/310, 2-13=-631/539, 13-16=-300/1189, 4-16=-298/1201, 9-11=-223/1386, 8-11=-251/839, 16-18=-320/171, 17-18=-320/171, 7-17=-350/179, 6-17=-132/454

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=33ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) 0-0-12 to 3-4-3, Interior(1) 3-4-3 to 12-2-12, Exterior(2) 12-2-12 to 16-11-4, Interior(1) 16-11-4 to 21-7-12, Exterior(2) 21-7-12 to 26-3-9, Interior(1) 26-3-9 to 32-8-13 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (5.0 psf) on member(s). 7-8, 16-18, 17-18, 7-17
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 11-13
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=688, 10=669.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Attic room checked for L/360 deflection.

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Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	C3	ROOF TRUSS	1	2	I49342690
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:38:58 2021 Page 1
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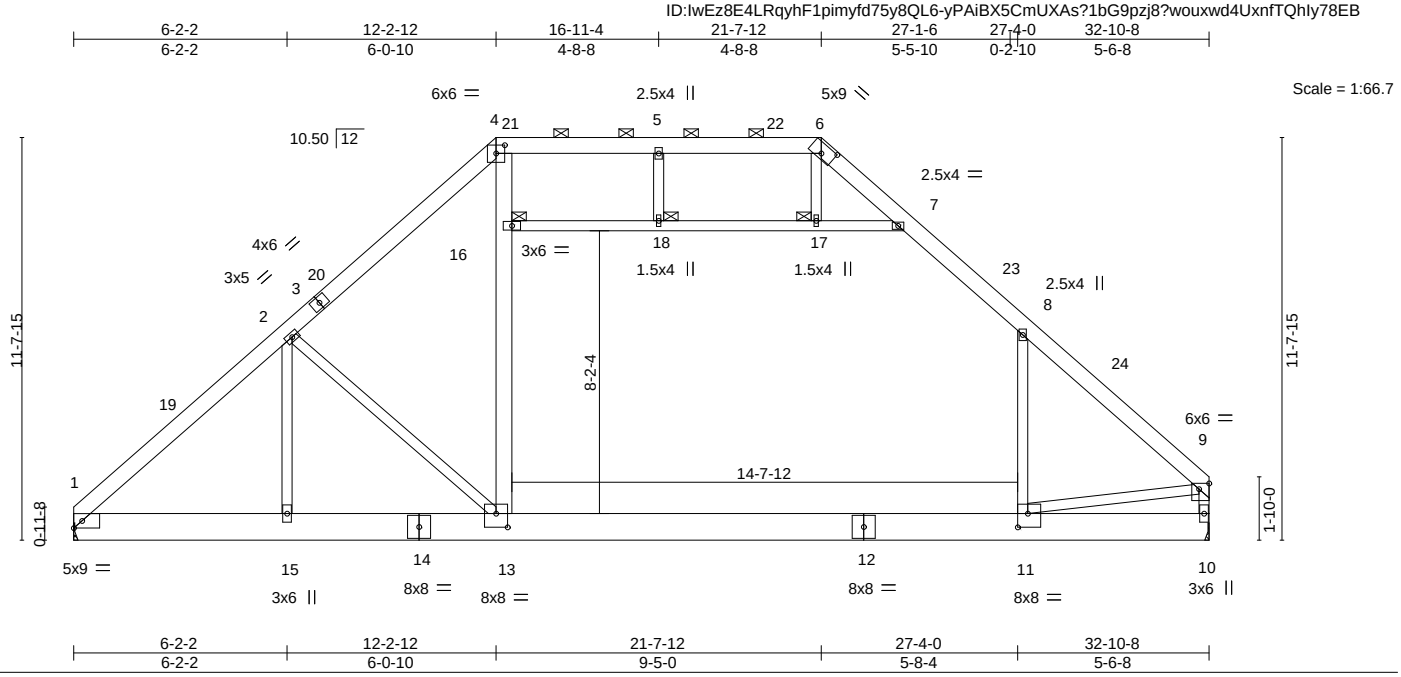

Plate Offsets (X,Y)-- [4:0-3-0,0-2-14], [6:0-4-8,0-3-4], [9:Edge,0-2-0], [11:0-3-8,0-4-12], [13:0-4-0,0-4-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.44	Vert(LL)	-0.36	11-13	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.49	Vert(TL)	-0.54	11-13	>729	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.42	Horz(TL)	0.02	10	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-S		Attic	-0.18	11-13	978	360	Weight: 617 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except*
4-6,6-9: 2x6 SP DSS
BOT CHORD 2x10 SP No.2
WEBS 2x4 SP No.2 or 2x4 SPF No.2 *Except*
4-13: 2x6 SP DSS, 9-11: 2x4 SP No.3, 7-16: 2x4 SP DSS

BRACING-
TOP 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.): 4-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 16, 17, 18

REACTIONS. (size) 1=Mechanical, 10=Mechanical
Max Horz 1=628(LC 8)
Max Uplift 1=-688(LC 9), 10=-669(LC 9)
Max Grav 1=1835(LC 1), 10=2131(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2408/1042, 2-4=-2253/1113, 4-5=-1321/861, 5-6=-1323/862, 6-7=-1597/934, 7-8=-1870/974, 8-9=-2503/712, 9-10=-2250/709
BOT CHORD 1-15=-716/1715, 13-15=-716/1714, 11-13=-353/1641, 10-11=-213/293
WEBS 2-15=-236/310, 2-13=-631/539, 13-16=-300/1189, 4-16=-298/1201, 9-11=-223/1386, 8-11=-251/839, 16-18=-320/171, 17-18=-320/171, 7-17=-350/179, 6-17=-132/454

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=33ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) 0-0-12 to 3-4-3, Interior(1) 3-4-3 to 12-2-12, Exterior(2) 12-2-12 to 16-11-4, Interior(1) 16-11-4 to 21-7-12, Exterior(2) 21-7-12 to 26-3-9, Interior(1) 26-3-9 to 32-8-13 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
5) Provide adequate drainage to prevent water ponding.
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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Ceiling dead load (5.0 psf) on member(s). 7-8, 16-18, 17-18, 7-17
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 11-13
10) Refer to girder(s) for truss to truss connections.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=688, 10=669.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Attic room checked for L/360 deflection.

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Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	D1	ATTIC	1	1	I49342691
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:38:59 2021 Page 1
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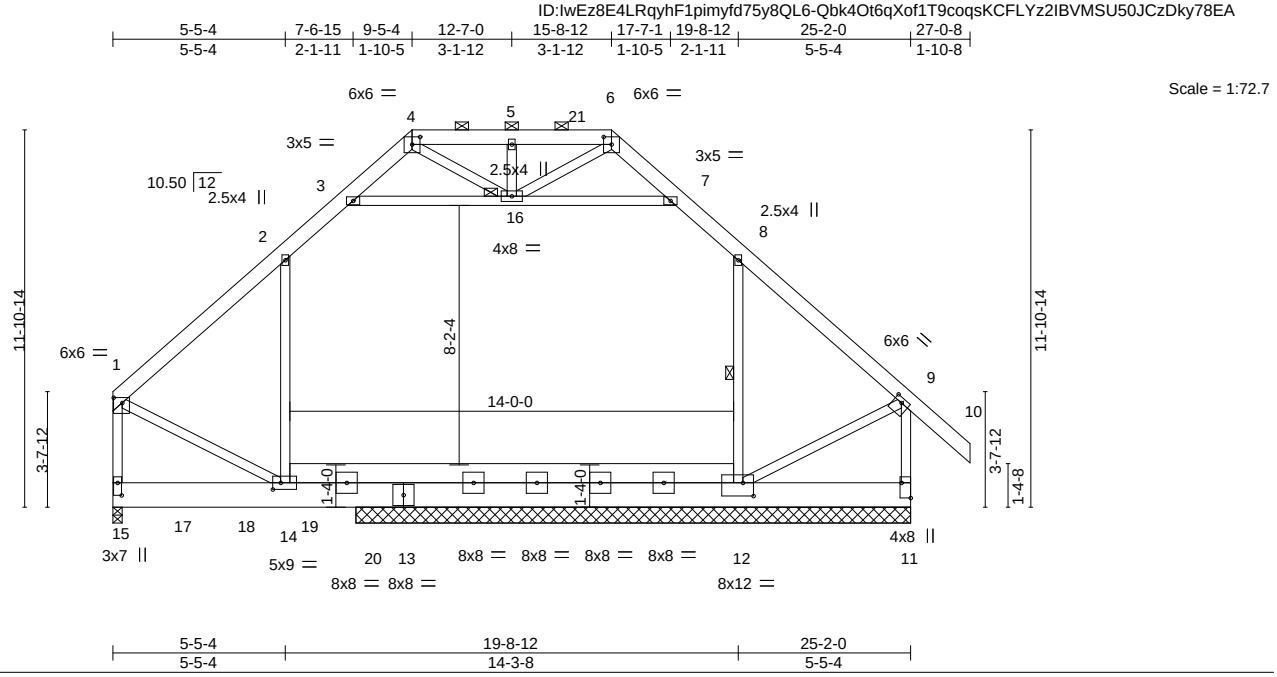

Plate Offsets (X,Y)-- [1:0-3-4,0-2-0], [4:0-3-0,0-2-14], [6:0-3-0,0-2-14], [9:0-3-0,0-1-12], [11:Edge,0-3-8], [12:0-4-0,0-5-0], [14:0-3-0,0-2-8], [15:0-4-12,0-1-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.92	Vert(LL)	0.28	12-14	>834	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.86	Vert(TL)	-0.32	12-14	>741	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.76	Horz(TL)	0.02	11	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-S		Attic	-0.13	12-14	1365	360	Weight: 296 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2 *Except* 6-10: 2x6 SP DSS
BOT CHORD	2x10 SP No.2 *Except* 11-13: 2x10 SP DSS, 12-14: 2x8 SP No.2
WEBS	2x4 SP No.2 or 2x4 SPF No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-0-8 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-6.
BOT CHORD	Rigid ceiling directly applied or 4-7-15 oc bracing.
WEBS	1 Row at midpt 8-12
JOINTS	1 Brace at Jt(s): 16

This truss requires both edges of the bottom chord be sheathed in the room area.

REACTIONS. (size) 15=0-3-8, 12=17-6-0, 11=17-6-0
Max Horz 15=-716(LC 5)
Max Uplift 15=-2058(LC 7), 12=-1022(LC 16), 11=-1432(LC 4)
Max Grav 15=2164(LC 1), 12=1489(LC 6), 11=1671(LC 1)

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

TOP CHORD	1-2=-1686/1389, 2-3=-1174/1095, 3-4=-404/504, 6-7=-468/489, 7-8=-1195/1114, 8-9=-1665/1447, 1-15=-1891/1503, 9-11=-2007/1641, 4-5=-501/593, 5-6=-501/594
BOT CHORD	14-15=-709/676, 12-14=-1153/1167
WEBS	3-16=-1131/1492, 7-16=-1232/1535, 2-14=-810/736, 8-12=-1153/881, 1-14=-863/1250, 9-12=-1191/1302, 5-16=-245/250, 4-16=-190/297, 6-16=-239/368

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=25ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (5.0 psf) on member(s). 2-3, 7-8, 3-16, 7-16
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 12-14
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 15=2058, 12=1022, 11=1432.
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) 286 lb down and 450 lb up at 2-1-4, 286 lb down and 450 lb up at 4-1-4, and 286 lb down and 450 lb up at 6-1-4, and 286 lb down and 450 lb up at 8-1-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
11) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

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Continued on page 2

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LOAD CASE(S) Standard

1) Dead + Roof Live (balanced) + Attic Floor: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 14-15=-20, 13-14=-100, 12-13=-100, 11-12=-20, 1-2=-60, 2-3=-70, 3-4=-60, 6-7=-60, 7-8=-70, 8-9=-60, 9-10=-60, 3-7=-10, 4-6=-60
   Concentrated Loads (lb)
   Vert: 17=-186 18=-186 19=-186 20=-186

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	D2	ATTIC	4	1	I49342692
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:39:00 2021 Page 1
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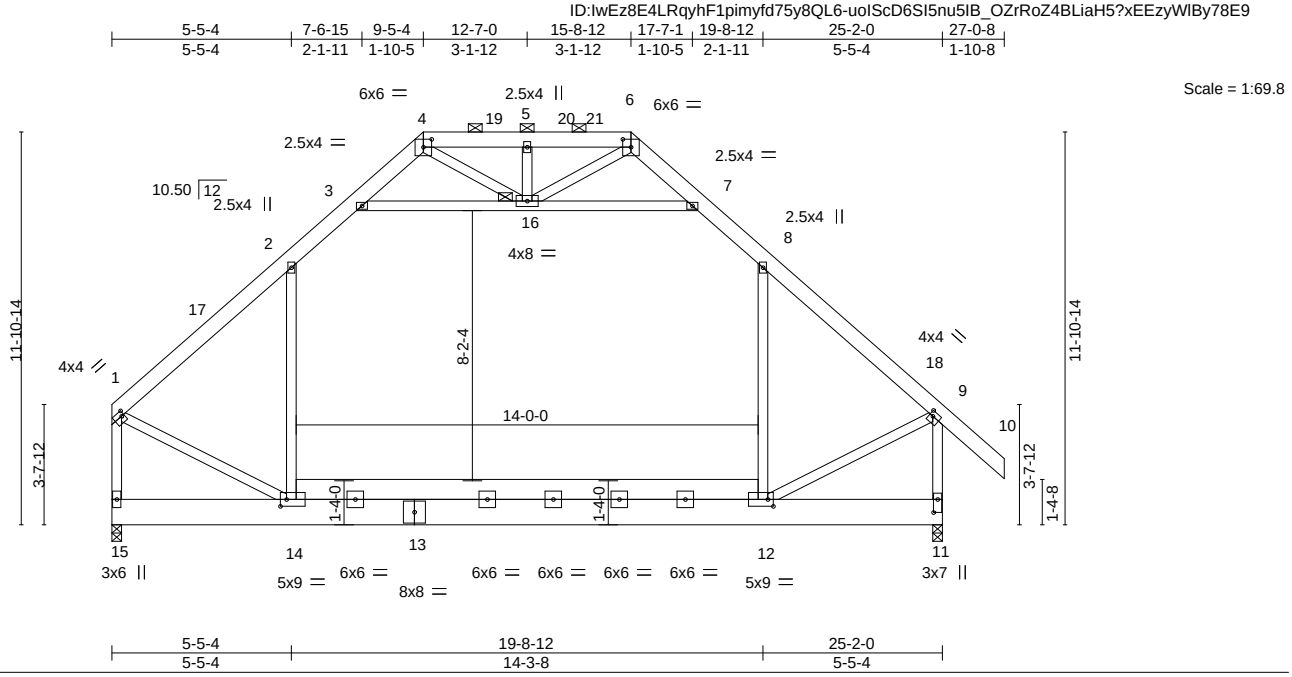

Plate Offsets (X,Y)-- [1:0-1-0,0-1-12], [4:0-3-0,0-2-14], [6:0-3-0,0-2-14], [9:0-1-4,0-1-12], [11:0-4-12,0-1-8], [12:0-2-0,0-2-8], [14:0-2-4,0-2-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.70	Vert(LL)	-0.18	12-14	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.63	Vert(TL)	-0.26	12-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.36	Horz(TL)	0.01	11	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-S		Attic	-0.12	12-14	1473	360	Weight: 296 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x10 SP No.2 *Except*
12-14: 2x8 SP No.2
WEBS 2x4 SP No.2 or 2x4 SPF No.2 *Except*
1-15,9-11: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-1-10 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 6-1-0 oc bracing.
JOINTS 1 Brace at Jt(s): 16
This truss requires both edges of the bottom chord be sheathed in the room area.

REACTIONS. (size) 15=0-3-8, 11=0-3-8
Max Horz 15=-716(LC 7)
Max Uplift 15=-517(LC 9), 11=-683(LC 9)
Max Grav 15=1634(LC 1), 11=1764(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1491/549, 2-3=-1091/733, 3-4=-277/331, 6-7=-283/335, 7-8=-1089/724, 8-9=-1506/604, 1-15=-1679/664, 9-11=-1828/866, 4-5=-291/431, 5-6=-291/430
BOT CHORD 14-15=-669/651, 12-14=-201/1010
WEBS 3-16=-970/591, 7-16=-966/565, 2-14=-215/461, 8-12=-194/476, 1-14=-279/1133, 9-12=-165/1141, 5-16=-235/250, 4-16=-236/336, 6-16=-211/334

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=25ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) 0-1-11 to 3-1-11, Interior(1) 3-1-11 to 9-5-4, Exterior(2) 9-5-4 to 13-8-3, Interior(1) 13-8-3 to 15-8-12, Exterior(2) 15-8-12 to 19-8-13, Interior(1) 19-8-13 to 27-0-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (5.0 psf) on member(s). 2-3, 7-8, 3-16, 7-16
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 12-14
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=683.
9) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 15. This connection is for uplift only and does not consider lateral forces.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Attic room checked for L/360 deflection.

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Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	D3	ATTIC	2	2	I49342693
					Job Reference (optional)

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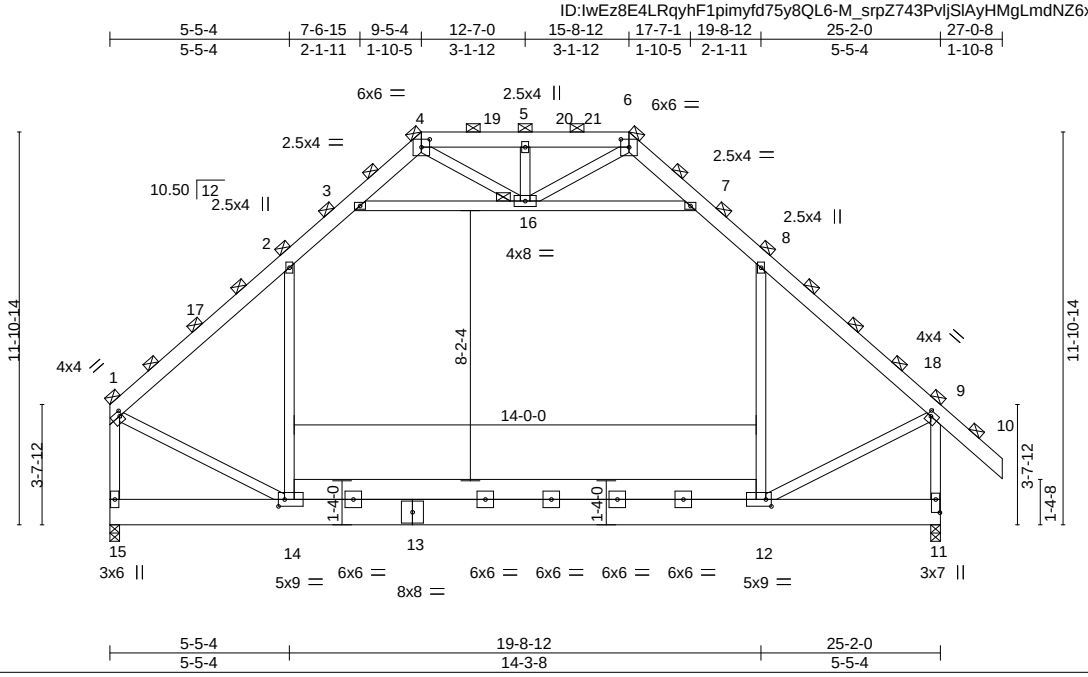

Plate Offsets (X,Y)-- [1:0-1-0,0-1-12], [4:0-3-0,0-2-14], [6:0-3-0,0-2-14], [9:0-1-4,0-1-12], [11:0-4-12,0-1-8], [12:0-2-0,0-2-8], [14:0-2-4,0-2-8]

LOADING (psf)		SPACING-	3-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.60	Vert(LL)	-0.14	12-14	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.52	Vert(TL)	-0.20	12-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.21	Horz(TL)	0.00	11	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-S		Attic	-0.09	12-14	1965	360	Weight: 593 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x10 SP No.2 *Except*
12-14: 2x8 SP No.2
WEBS 2x4 SP No.2 or 2x4 SPF No.2 *Except*
1-15,9-11: 2x4 SP No.3

BRACING-
TOP CHORD 2-0-0 oc purlins (6-0-0 max.), except end verticals
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 4, 6, 1, 9, 16
This truss requires both edges of the bottom chord be sheathed in the room area.

REACTIONS. (size) 15=0-3-8, 11=0-3-8
Max Horz 15=-1074(LC 7)
Max Uplift 15=-775(LC 9), 11=-1025(LC 9)
Max Grav 15=2450(LC 1), 11=2647(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2236/824, 2-3=-1636/1100, 3-4=-415/497, 6-7=-424/502, 7-8=-1634/1086, 8-9=-2260/906, 1-15=-2519/996, 9-11=-2741/1299, 4-5=-437/646, 5-6=-437/646
BOT CHORD 14-15=-1003/976, 12-14=-302/1515
WEBS 3-16=-1455/886, 7-16=-1449/848, 2-14=-323/691, 8-12=-291/714, 1-14=-418/1700, 9-12=-248/1711, 5-16=-352/376, 4-16=-354/505, 6-16=-316/501

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-9-0 oc, 2x8 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=25ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) 0-1-11 to 3-1-11, Interior(1) 3-1-11 to 9-5-4, Exterior(2) 9-5-4 to 13-8-3, Interior(1) 13-8-3 to 15-8-12, Exterior(2) 15-8-12 to 19-8-13, Interior(1) 19-8-13 to 27-0-8 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
5) Provide adequate drainage to prevent water ponding.
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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Ceiling dead load (5.0 psf) on member(s). 2-3, 7-8, 3-16, 7-16
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 12-14
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 15=775, 11=1025.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Attic room checked for L/360 deflection.

December 21,2021

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Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	E1	Common Supported Gable	1	1	I49342694
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:39:02 2021 Page 1
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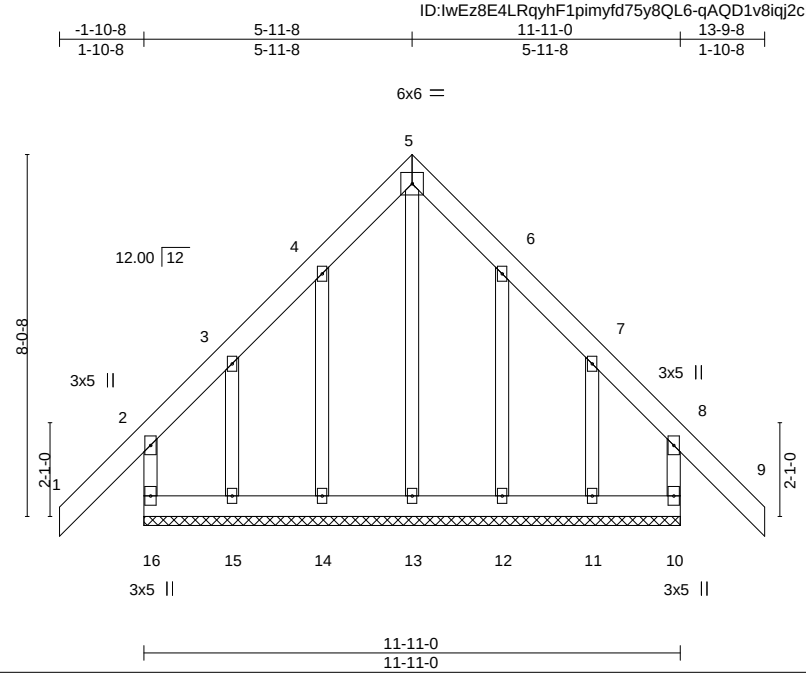

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.73	Vert(LL)	-0.01	9	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.21	Vert(TL)	-0.02	9	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.77	Horz(TL)	-0.00	10	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-R							Weight: 120 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

BRACING-

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

REACTIONS. All bearings 11-11-0.
(lb) - Max Horz 16=-544(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) except 16=-542(LC 9), 10=-542(LC 9), 14=-139(LC 9), 15=-297(LC 6), 12=-139(LC 9), 11=-291(LC 5)
Max Grav All reactions 250 lb or less at joint(s) 14, 12 except 16=293(LC 8), 10=275(LC 7), 13=727(LC 9), 15=427(LC 7), 11=416(LC 8)

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

TOP CHORD	2-16=-226/705, 2-3=-251/426, 3-4=-140/528, 4-5=-73/712, 5-6=-62/711, 6-7=-127/531, 7-8=-235/422, 8-10=-226/702
BOT CHORD	15-16=-285/253, 14-15=-284/252, 13-14=-284/252, 12-13=-284/252, 11-12=-283/251, 10-11=-282/251
WEBS	5-13=-775/12, 3-15=-229/253, 7-11=-224/252

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Corner(3) -1-10-8 to 1-1-8, Exterior(2) 1-1-8 to 5-11-8, Corner(3) 5-11-8 to 8-11-8, Exterior(2) 8-11-8 to 13-9-8 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. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2.5x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 16, 10, 14, 15, 12, and 11. This connection is for uplift only and does not consider lateral forces.

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Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	E2	Common	5	1	I49342695
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:39:03 2021 Page 1
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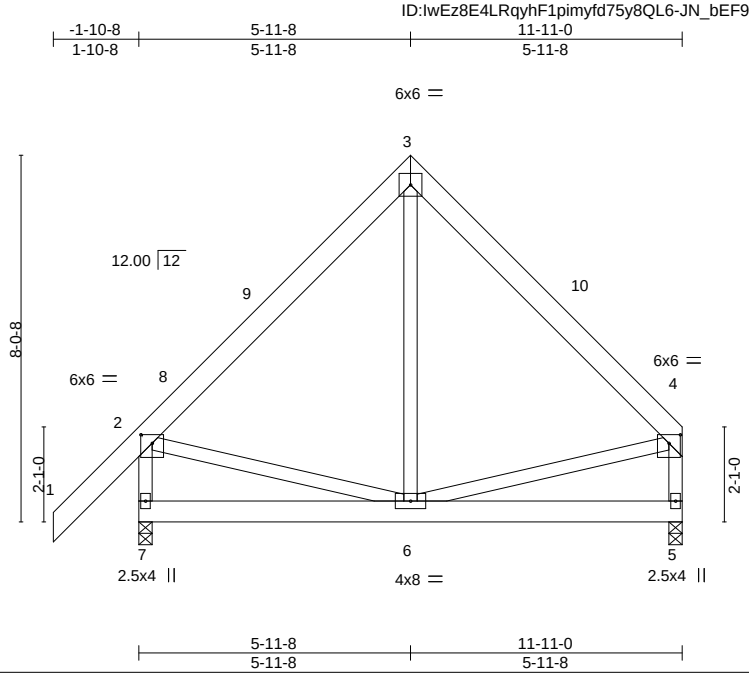

Plate Offsets (X,Y)-- [2:0-3-0,0-2-4], [4:0-3-0,0-2-4]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.62	Vert(LL)	-0.01	5-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(TL)	-0.02	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horz(TL)	-0.00	5	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-S							Weight: 106 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 7=0-3-8, 5=0-3-8
Max Horz 7=509(LC 8)
Max Uplift 7=-445(LC 9), 5=-253(LC 9)
Max Grav 7=597(LC 1), 5=455(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-406/350, 3-4=-395/319, 2-7=-545/616, 4-5=-403/379
BOT CHORD 6-7=-492/474
WEBS 2-6=-234/320, 4-6=-204/271

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) -1-10-8 to 1-1-8, Interior(1) 1-1-8 to 5-11-8, Exterior(2) 5-11-8 to 8-11-8, Interior(1) 8-11-8 to 11-9-7 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 7 and 5. This connection is for uplift only and does not consider lateral forces.

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Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	E3	Common Girder	1	2	I49342696
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:39:04 2021 Page 1
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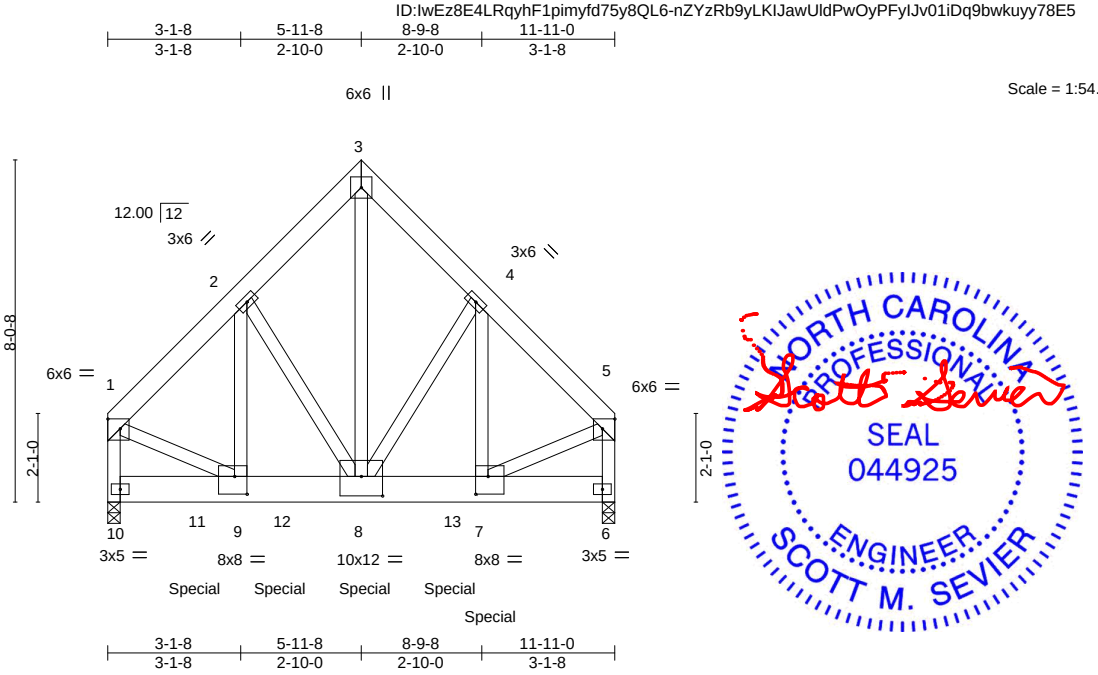

Plate Offsets (X,Y)-- [1:Edge,0-2-12], [5:Edge,0-2-12], [7:0-3-8,0-5-0], [8:0-6-0,0-5-8], [9:0-3-8,0-5-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.38	Vert(LL)	-0.04	7-8	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.77	Vert(TL)	-0.07	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.79	Horz(TL)	0.01	6	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-S							Weight: 254 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x8 SP No.2
WEBS 2x4 SP No.3 *Except*
3-8: 2x4 SP No.2 or 2x4 SPF No.2
OTHERS 2x4 SP No.2 or 2x4 SPF No.2

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.

REACTIONS. (size) 10=0-3-8, 6=0-3-8
Max Horz 10=-432(LC 5)
Max Uplift 10=-2011(LC 7), 6=-1911(LC 7)
Max Grav 10=5898(LC 1), 6=5588(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-4830/1695, 2-3=-4037/1586, 3-4=-4036/1586, 4-5=-5015/1755, 1-10=-5209/1808, 5-6=-5433/1880
BOT CHORD 9-10=-449/417, 8-9=-1253/3319, 7-8=-1130/3451
WEBS 3-8=-2023/5287, 4-8=-1069/551, 4-7=-569/1592, 2-8=-819/470, 2-9=-456/1249, 1-9=-1154/3619, 5-7=-1221/3820

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-3-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Bearing at joint(s) 10, 6 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 capable of withstanding 2011 lb uplift at joint 10 and 1911 lb uplift at joint 6.

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NOTES-

9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2111 lb down and 681 lb up at 2-0-12, 2111 lb down and 681 lb up at 4-0-12, 2111 lb down and 681 lb up at 6-0-12, and 2111 lb down and 681 lb up at 8-0-12, and 2111 lb down and 681 lb up at 9-0-2 on bottom 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 (plf)
   Vert: 1-3=-60, 3-5=-60, 6-10=-20
   Concentrated Loads (lb)
   Vert: 8=-2111(B) 7=-2111(B) 11=-2111(B) 12=-2111(B) 13=-2111(B)

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	F1	Floor Supported Gable	1	1	I49342697
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:39:06 2021 Page 1
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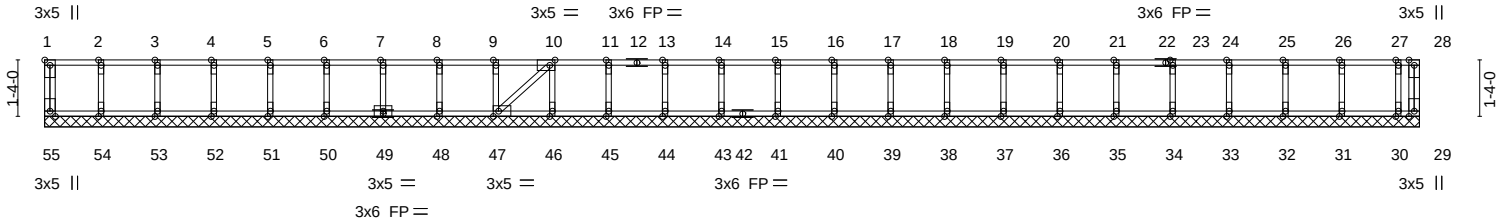

32-6-0
32-6-0

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [10:0-1-8,Edge], [47:0-1-8,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	0.11	Vert(LL)	n/a	-	n/a	999	MT20	197/144
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	Horz(TL)	-0.00	46	n/a	n/a		
BCDL	5.0	Code IBC2006/TPI2002		Matrix-S							Weight: 144 lb	FT = 20%F, 11%E

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 10-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 32-6-0.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) 29
Max Grav All reactions 250 lb or less at joint(s) 55, 54, 53, 52, 51, 50, 49, 48, 47, 46, 45, 44, 43, 41, 40, 39, 38, 37, 36, 35, 34, 33, 32, 31, 30

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

NOTES-

1) All plates are 1.5x4 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) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 29. This connection is for uplift only and does not consider lateral forces.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.

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Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	F2	Floor	6	1	I49342698
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:39:07 2021 Page 1
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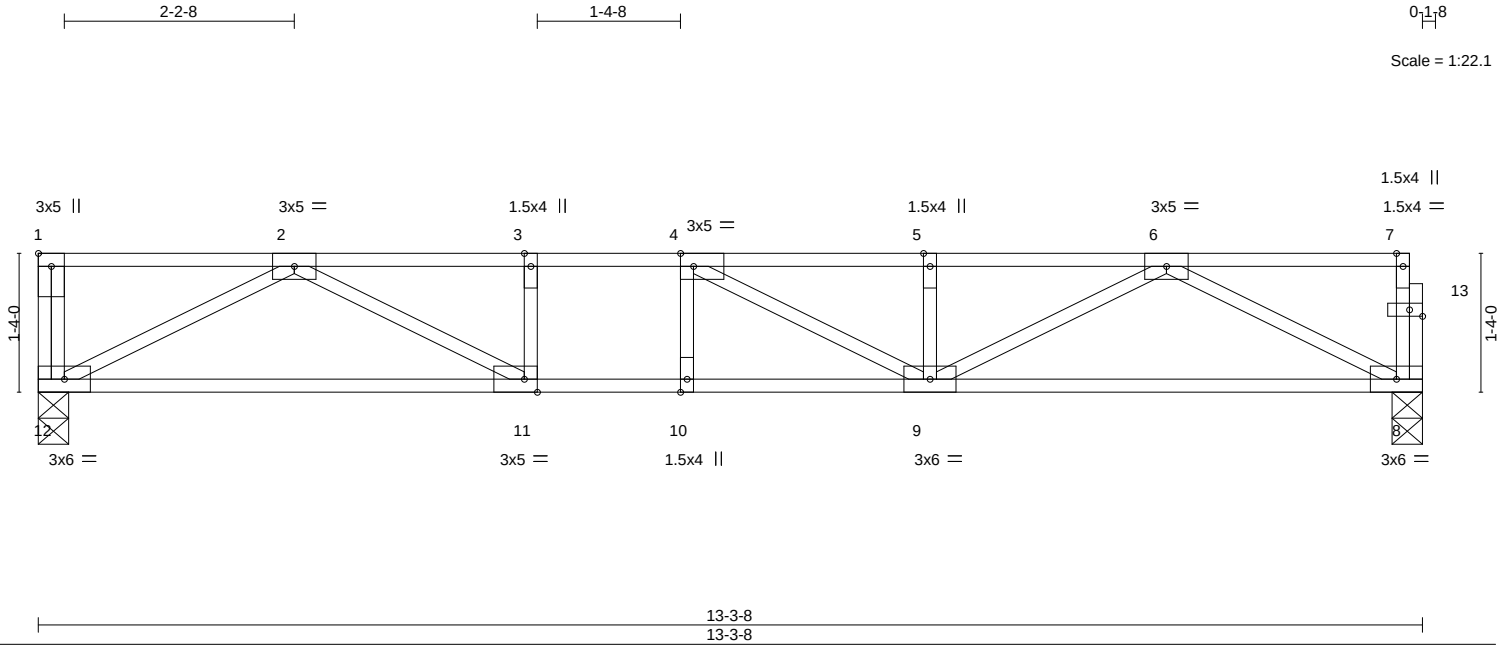

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [4:0-1-8,Edge], [11:0-1-8,Edge], [13:0-1-8,0-0-12]

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	0.63	Vert(LL)	-0.15	9-10	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.00	BC	0.94	Vert(TL)	-0.21	9-10	>731	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.39	Horz(TL)	0.03	8	n/a	n/a		
BCDL	5.0	Code	IBC2006/TPI2002	Matrix-S							Weight: 69 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS. (size) 12=0-3-8, 8=0-3-8
Max Grav 12=717(LC 1), 8=711(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1864/0, 3-4=-1864/0, 4-5=-1830/0, 5-6=-1830/0
BOT CHORD 11-12=0/1170, 10-11=0/1864, 9-10=0/1864, 8-9=0/1163
WEBS 2-12=-1318/0, 2-11=0/810, 3-11=-263/0, 6-8=-1304/0, 6-9=0/756, 5-9=-285/0, 4-9=-320/170

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.
3) CAUTION, Do not erect truss backwards.

December 21,2021

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	F3	Floor Supported Gable	1	1	I49342699
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:39:08 2021 Page 1
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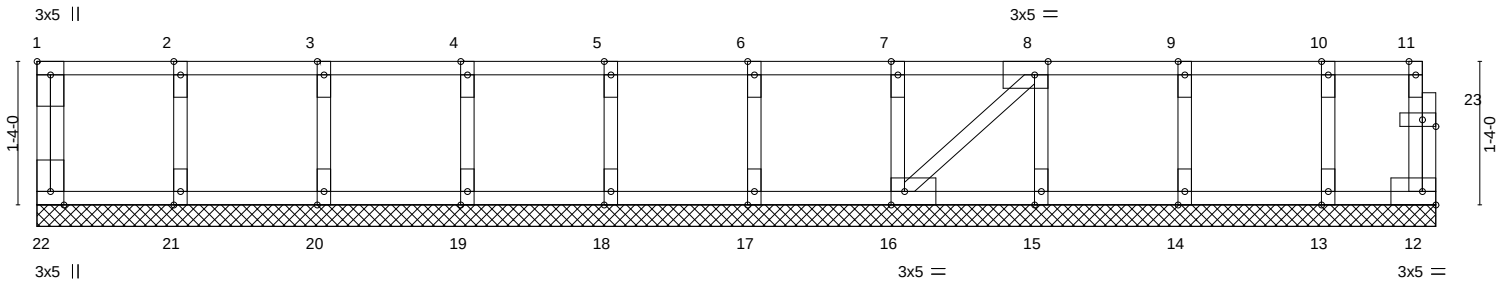

13-0-0
13-0-0

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [8:0-1-8,Edge], [16:0-1-8,Edge], [23:0-1-8,0-0-12]

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	0.11	Vert(LL)	n/a	-	n/a	999	MT20	197/144
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	Horz(TL)	0.00	12	n/a	n/a		
BCDL	5.0	Code	IBC2006/TPI2002	Matrix-S							Weight: 62 lb	FT = 20%F, 11%E

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 13-0-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 22, 12, 21, 20, 19, 18, 17, 16, 15, 14, 13

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

NOTES-
1) All plates are 1.5x4 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) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.

December 21,2021

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	F4	Floor	5	1	I49342700
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:39:08 2021 Page 1
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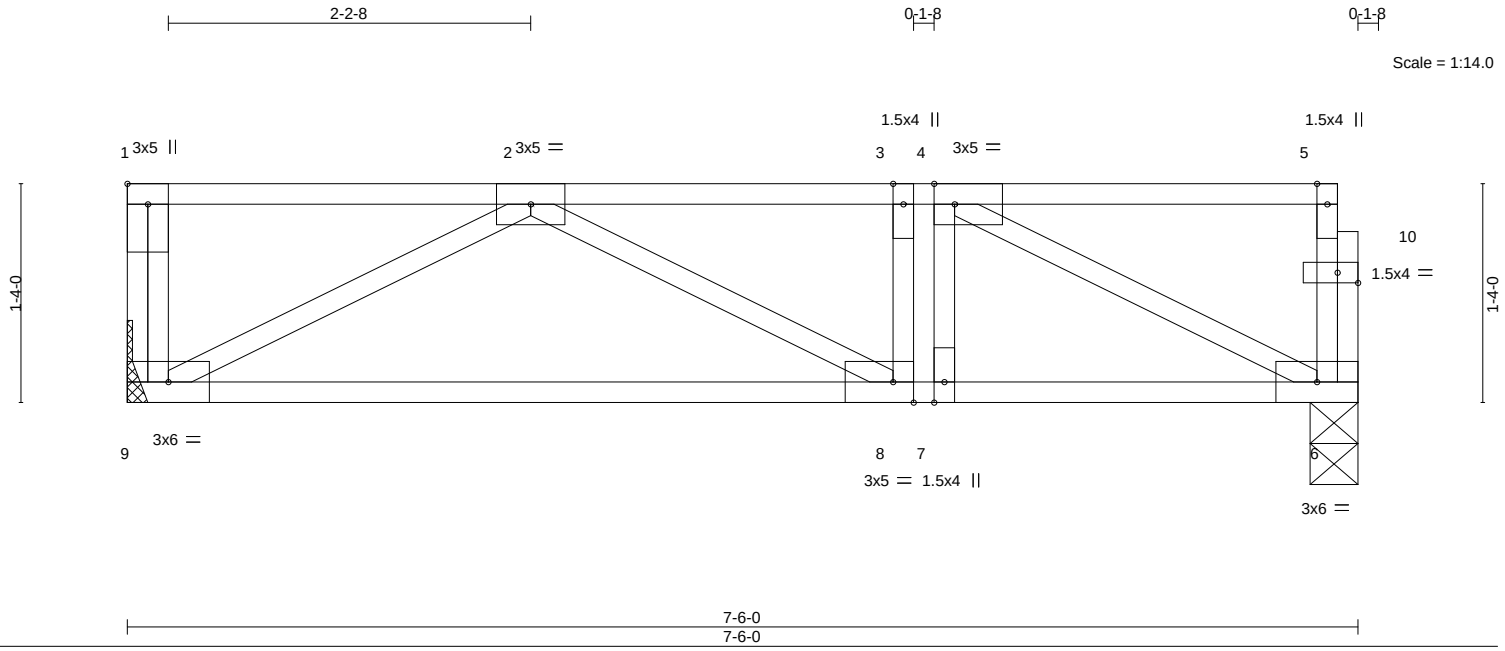

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [4:0-1-8,Edge], [8:0-1-8,Edge], [10:0-1-8,0-0-12]

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	0.41	Vert(LL)	-0.02	8-9	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.00	BC	0.28	Vert(TL)	-0.08	8-9	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.18	Horz(TL)	0.01	6	n/a	n/a		
BCDL	5.0	Code IBC2006/TPI2002		Matrix-S							Weight: 43 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 9=Mechanical, 6=0-3-8
Max Grav 9=399(LC 1), 6=393(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-587/0, 3-4=-587/0
BOT CHORD 8-9=0/556, 7-8=0/587, 6-7=0/587
WEBS 2-9=-626/0, 4-6=-652/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.
4) CAUTION, Do not erect truss backwards.

December 21,2021

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	F5	Floor Supported Gable	1	1	I49342701
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:39:09 2021 Page 1
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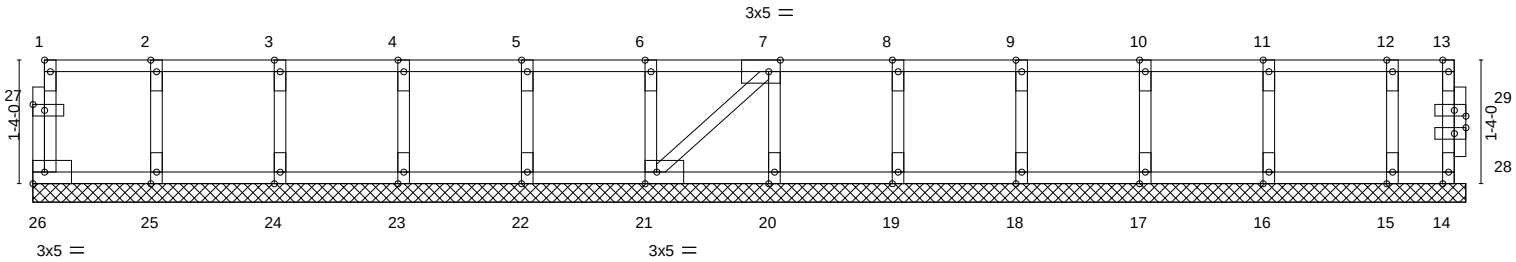

15-5-8
15-5-8

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [7:0-1-8,Edge], [21:0-1-8,Edge], [27:0-1-8,0-0-12], [28:0-1-8,0-0-12], [29:0-1-8,0-0-12]

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	0.10	Vert(LL)	n/a	-	n/a	999	MT20	197/144
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	Horz(TL)	0.00	14	n/a	n/a		
BCDL	5.0	Code	IBC2006/TPI2002	Matrix-S							Weight: 71 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 15-5-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 26, 14, 25, 24, 23, 22, 21, 20, 19, 18, 17, 16, 15

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

NOTES-
1) All plates are 1.5x4 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) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.

December 21,2021

ENGINEERING BY TRENCO A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	F6	Floor	3	1	I49342702
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:39:12 2021 Page 1
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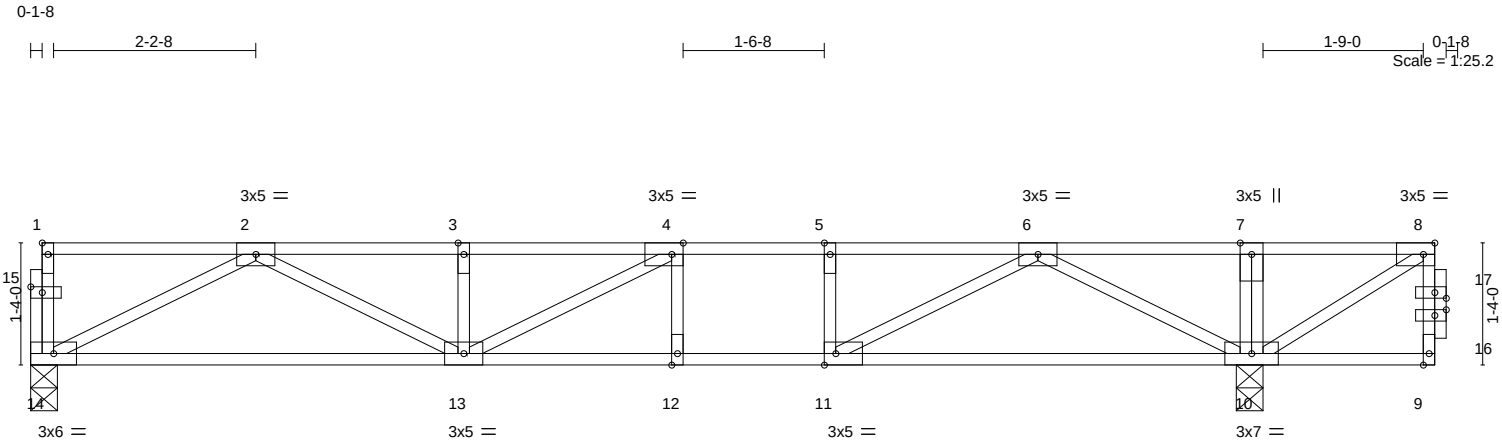

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [4:0-1-8,Edge], [8:0-1-8,Edge], [11:0-1-8,Edge], [15:0-1-8,0-0-12], [16:0-1-8,0-0-12], [17:0-1-8,0-0-12]

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	0.97	Vert(LL)	-0.17	12-13	>922	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.00	BC	0.89	Vert(TL)	-0.25	12-13	>644	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.49	Horz(TL)	0.02	10	n/a	n/a		
BCDL	5.0	Code	IBC2006/TPI2002	Matrix-S							Weight: 81 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 10-11.

REACTIONS. (size) 14=0-3-8, 10=0-3-8
Max Grav 14=671(LC 2), 10=1300(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1686/0, 3-4=-1686/0, 4-5=-1591/0, 5-6=-1591/0, 6-7=0/630, 7-8=0/629
BOT CHORD 13-14=0/1087, 12-13=0/1591, 11-12=0/1591, 10-11=-233/741
WEBS 7-10=-260/0, 2-14=-1218/0, 2-13=0/679, 3-13=-304/0, 4-13=-180/353, 6-10=-1401/0, 6-11=0/1024, 5-11=-329/0, 8-10=-740/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 1.5x4 MT20 unless otherwise indicated.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.
4) 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 (plf)
Vert: 9-14=-10, 1-8=-100
Concentrated Loads (lb)
Vert: 8=-300

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ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	F7	Floor	8	1	I49342703
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:39:12 2021 Page 1
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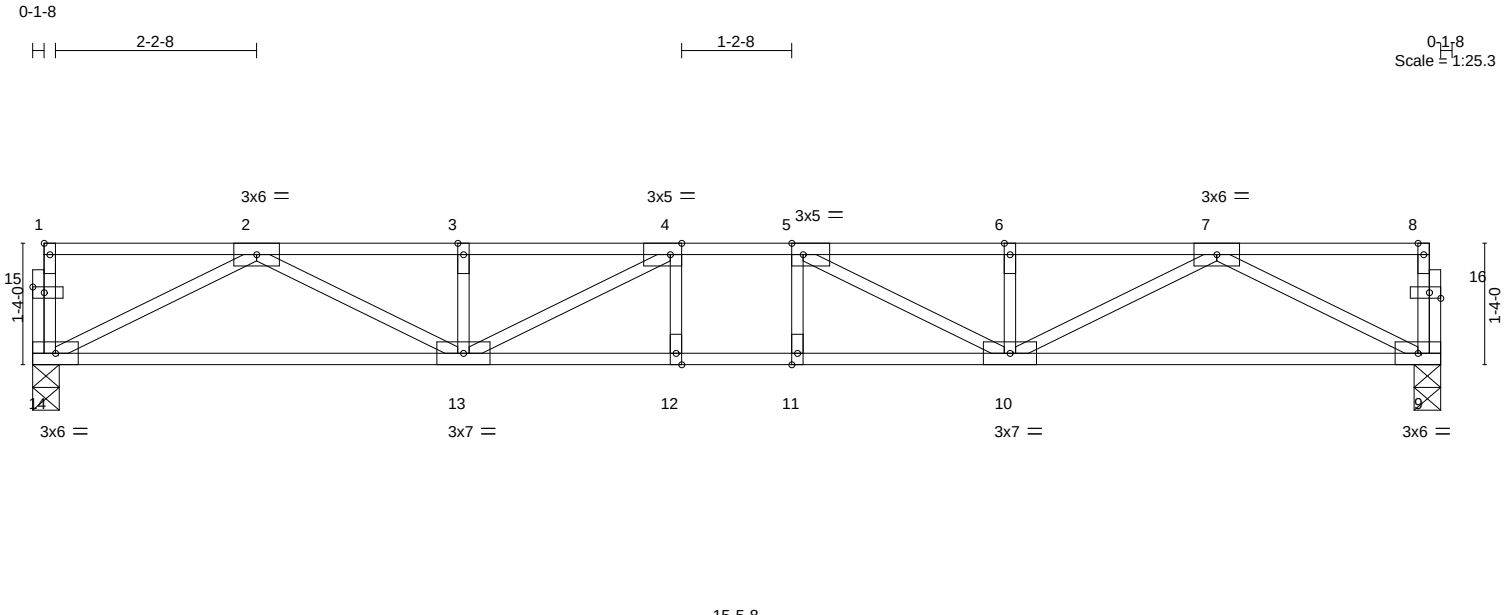

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [4:0-1-8,Edge], [5:0-1-8,Edge], [15:0-1-8,0-0-12], [16:0-1-8,0-0-12]

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)	-0.15	11-12	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.00	BC	0.84	Vert(TL)	-0.24	11-12	>774	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.47	Horz(TL)	0.05	9	n/a	n/a		
BCDL	5.0	Code IBC2006/TPI2002		Matrix-S							Weight: 80 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 14=0-3-8, 9=0-3-8
Max Grav 14=830(LC 1), 9=830(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2266/0, 3-4=-2266/0, 4-5=-2626/0, 5-6=-2266/0, 6-7=-2266/0
BOT CHORD 13-14=0/1391, 12-13=0/2626, 11-12=0/2626, 10-11=0/2626, 9-10=0/1391
WEBS 2-14=-1562/0, 2-13=0/990, 3-13=-263/0, 4-13=-599/0, 7-9=-1562/0, 7-10=0/990, 6-10=-263/0, 5-10=-599/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 1.5x4 MT20 unless otherwise indicated.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.

December 21,2021

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	F8	Floor	5	1	I49342704 Job Reference (optional)

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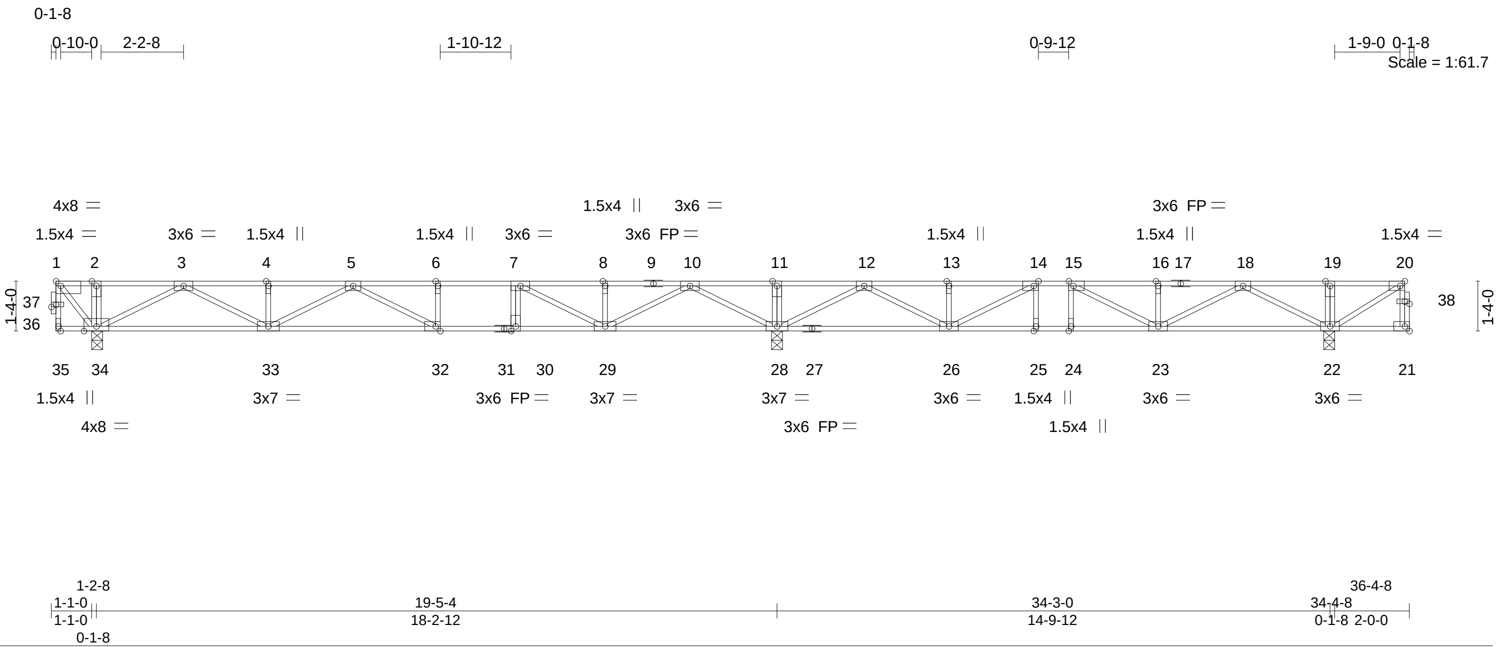

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [14:0-1-8,Edge], [15:0-1-8,Edge], [20:0-1-8,Edge], [32:0-1-8,Edge], [36:0-1-8,0-0-12], [38:0-1-8,0-0-12]

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	0.88	Vert(LL)	-0.23	32-33	>937	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.00	BC	0.96	Vert(TL)	-0.37	32-33	>587	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.53	Horz(TL)	0.03	28	n/a	n/a		
BCDL	5.0	Code IBC2006/TPI2002		Matrix-S							Weight: 190 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 34-35.

REACTIONS. (size) 34=0-3-8, 28=0-3-8, 22=0-3-8
Max Grav 34=2411(LC 2), 28=1515(LC 3), 22=1449(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=0/1314, 2-3=0/1316, 3-4=-1051/572, 4-5=-1051/572, 5-6=-1782/231, 6-7=-1782/231, 7-8=-1164/298, 8-10=-1164/298, 10-11=0/1517, 11-12=0/1517, 12-13=-881/596, 13-14=-881/596, 14-15=-1098/539, 15-16=-798/611, 16-18=-798/611, 18-19=0/1069, 19-20=0/1068
BOT CHORD 33-34=-912/73, 32-33=-369/1621, 30-32=-231/1782, 29-30=-231/1782, 28-29=-504/272, 26-28=-785/250, 25-26=-539/1098, 24-25=-539/1098, 23-24=-539/1098, 22-23=-816/103
WEBS 1-34=-2000/0, 3-34=-1519/0, 3-33=0/1111, 5-33=-649/0, 5-32=-72/411, 10-28=-1509/0, 10-29=0/1079, 7-29=-829/0, 18-22=-1206/0, 18-23=0/810, 15-23=-362/55, 12-28=-1249/0, 12-26=0/846, 14-26=-486/0, 20-22=-1257/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x5 MT20 unless otherwise indicated.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.
4) 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 (plf)
Vert: 21-35=-8, 1-20=-80
Concentrated Loads (lb)
Vert: 1=-1500 20=-600

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ENGINEERING BY TRENCO A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	F9	Floor	8	1	I49342705
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:39:16 2021 Page 1
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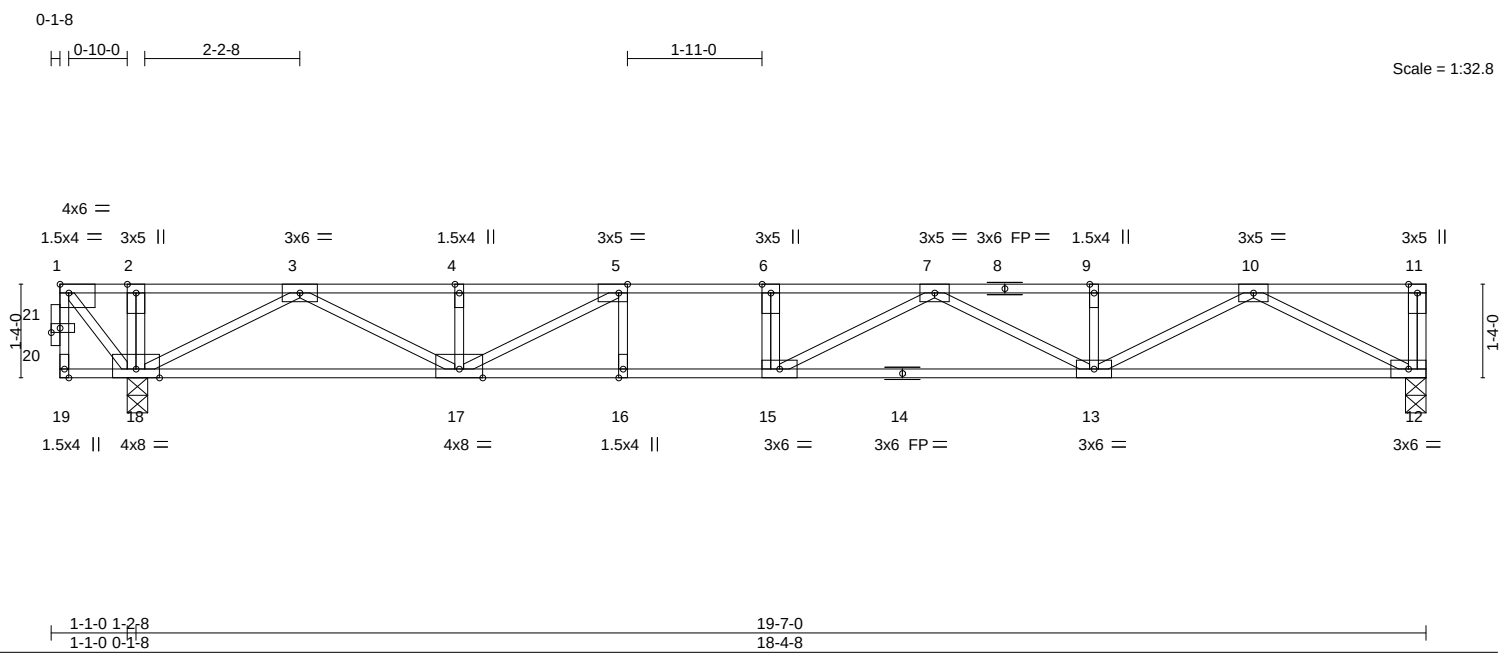

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [5:0-1-8,Edge], [20:0-1-8,0-0-12]

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	0.98	Vert(LL)	-0.33	13-15	>672	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.00	BC	0.75	Vert(TL)	-0.51	13-15	>430	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.58	Horz(TL)	0.04	12	n/a	n/a		
BCDL	5.0	Code	IBC2006/TPI2002	Matrix-S							Weight: 102 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat) *Except*
8-11: 2x4 SP No.2 or 2x4 SPF No.2(flat)
BOT CHORD 2x4 SP DSS(flat) *Except*
12-14: 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 17-18.

REACTIONS. (size) 18=0-3-8, 12=0-3-8
Max Grav 18=2483(LC 1), 12=714(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=0/1306, 2-3=0/1308, 3-4=-1273/400, 4-5=-1273/400, 5-6=-2223/0, 6-7=-2223/0, 7-9=-1989/0, 9-10=-1989/0
BOT CHORD 17-18=-812/205, 16-17=0/2223, 15-16=0/2223, 13-15=0/2355, 12-13=0/1212
WEBS 1-18=-1988/0, 3-18=-1653/0, 3-17=0/1214, 5-17=-1228/0, 10-12=-1365/0, 10-13=0/880, 7-13=-415/48, 7-15=-414/169

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.
3) 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 (plf)
Vert: 12-19=-8, 1-11=-80
Concentrated Loads (lb)
Vert: 1=-1500

December 21,2021

ENGINEERING BY
TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	G5	ATTIC	1	1	I49342706
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:39:17 2021 Page 1
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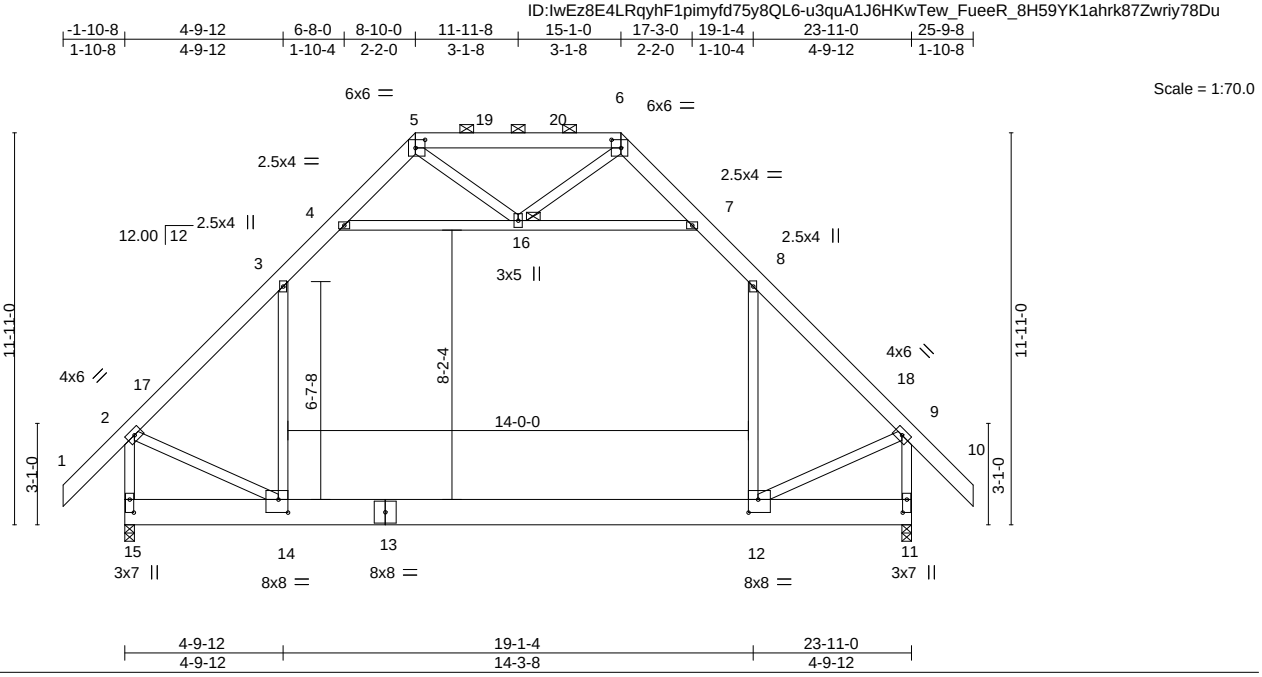

Plate Offsets (X,Y)-- [5:0-3-8,0-3-0], [6:0-3-8,0-3-0], [11:0-4-12,0-1-8], [12:0-3-8,0-4-12], [14:0-3-8,0-4-12], [15:0-4-12,0-1-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.69	Vert(LL)	-0.30	12-14	>958	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.84	Vert(TL)	-0.42	12-14	>683	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.38	Horz(TL)	0.01	11	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-S		Attic	-0.23	12-14	750	360	Weight: 249 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x10 SP No.2
WEBS 2x4 SP No.2 or 2x4 SPF No.2 *Except*
2-15,9-11: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-0-10 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 4-10-4 oc bracing.
JOINTS 1 Brace at Jt(s): 16

REACTIONS. (size) 15=0-3-8, 11=0-3-8
Max Horz 15=-764(LC 7)
Max Uplift 15=-663(LC 9), 11=-663(LC 9)
Max Grav 15=1710(LC 1), 11=1710(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1615/605, 3-4=-1071/697, 4-5=-348/384, 6-7=-348/384, 7-8=-1071/697, 8-9=-1615/605, 2-15=-1925/846, 9-11=-1925/846, 5-6=-163/308
BOT CHORD 14-15=-753/721, 12-14=-211/1013
WEBS 4-16=-897/490, 7-16=-897/490, 3-14=-173/628, 8-12=-172/628, 2-14=-190/1129, 9-12=-192/1129

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) -1-10-8 to 1-1-8, Interior(1) 1-1-8 to 8-10-0, Exterior(2) 8-10-0 to 13-0-15, Interior(1) 13-0-15 to 15-1-0, Exterior(2) 15-1-0 to 19-1-7, Interior(1) 19-1-7 to 25-9-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-16, 7-16
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 12-14
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 663 lb uplift at joint 15 and 663 lb uplift at joint 11.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Attic room checked for L/360 deflection.

December 21,2021

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	G6	ATTIC	6	1	I49342707
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:39:18 2021 Page 1
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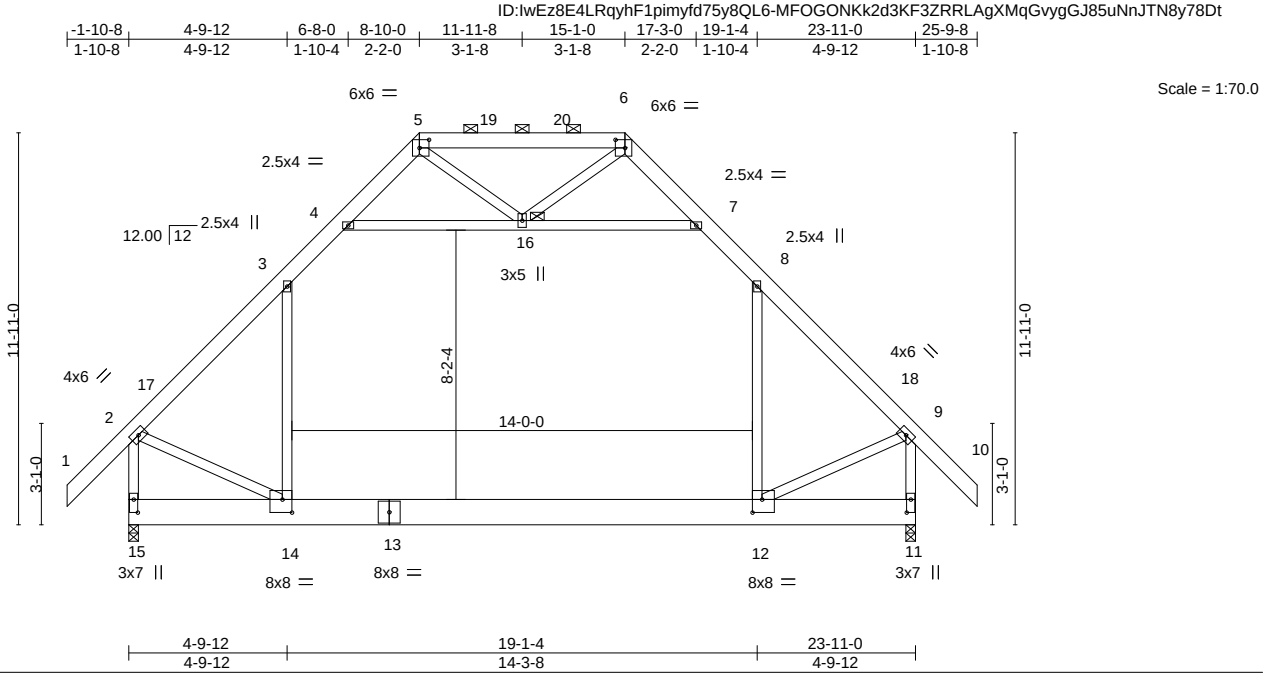

Plate Offsets (X,Y)-- [5:0-3-8,0-3-0], [6:0-3-8,0-3-0], [11:0-4-12,0-1-8], [12:0-3-8,0-4-12], [14:0-3-8,0-4-12], [15:0-4-12,0-1-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.69	Vert(LL)	-0.30	12-14	>958	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.84	Vert(TL)	-0.42	12-14	>683	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.38	Horz(TL)	0.01	11	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-S		Attic	-0.23	12-14	750	360	Weight: 249 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x10 SP No.2
WEBS 2x4 SP No.2 or 2x4 SPF No.2 *Except*
2-15,9-11: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-0-10 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 4-10-4 oc bracing.
JOINTS 1 Brace at Jt(s): 16

REACTIONS. (size) 15=0-3-8, 11=0-3-8
Max Horz 15=-764(LC 7)
Max Uplift 15=-663(LC 9), 11=-663(LC 9)
Max Grav 15=1710(LC 1), 11=1710(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1615/605, 3-4=-1071/697, 4-5=-348/384, 6-7=-348/384, 7-8=-1071/697, 8-9=-1615/605, 2-15=-1925/846, 9-11=-1925/846, 5-6=-163/308
BOT CHORD 14-15=-753/721, 12-14=-211/1013
WEBS 4-16=-897/490, 7-16=-897/490, 3-14=-173/628, 8-12=-172/628, 2-14=-190/1129, 9-12=-192/1129

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) -1-10-8 to 1-1-8, Interior(1) 1-1-8 to 8-10-0, Exterior(2) 8-10-0 to 13-0-15, Interior(1) 13-0-15 to 15-1-0, Exterior(2) 15-1-0 to 19-1-7, Interior(1) 19-1-7 to 25-9-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-16, 7-16
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 12-14
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 663 lb uplift at joint 15 and 663 lb uplift at joint 11.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Attic room checked for L/360 deflection.

December 21,2021

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	G7	ATTIC	2	3	I49342708
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:39:19 2021 Page 1
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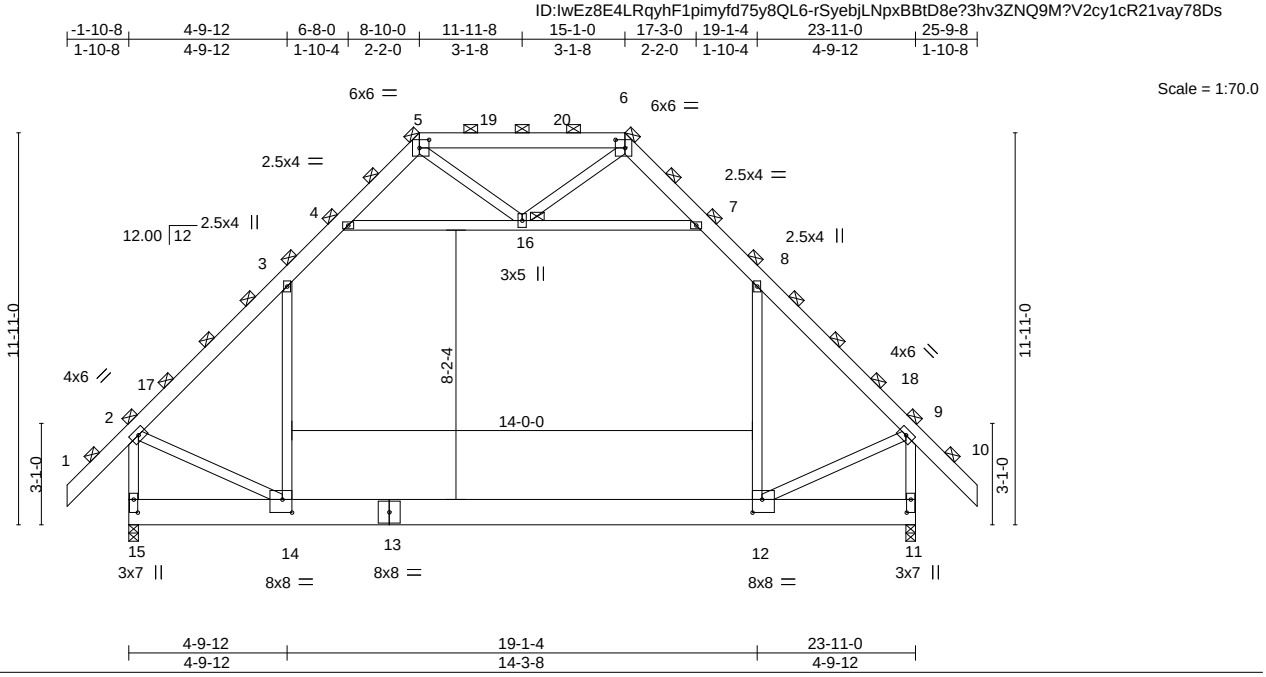


Plate Offsets (X,Y)-- [5:0-3-8,0-3-0], [6:0-3-8,0-3-0], [11:0-4-12,0-1-8], [12:0-3-8,0-4-12], [14:0-3-8,0-4-12], [15:0-4-12,0-1-8]

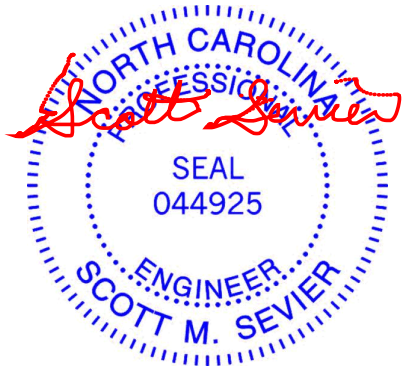
LOADING (psf)		SPACING- 6-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.72	Vert(LL)	-0.30	12-14	>958	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.84	Vert(TL)	-0.42	12-14	>683	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.28	Horz(TL)	0.01	11	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-S		Attic	-0.23	12-14	750	360	Weight: 746 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x10 SP No.2
WEBS 2x4 SP No.2 or 2x4 SPF No.2 *Except*
2-15,9-11: 2x4 SP No.3

BRACING-
TOP CHORD 2-0-0 oc purlins (6-0-0 max.), except end verticals
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 5, 6, 2, 9, 16

REACTIONS. (size) 15=0-3-8, 11=0-3-8
Max Horz 15=-2293(LC 7)
Max Uplift 15=-1990(LC 9), 11=-1990(LC 9)
Max Grav 15=5129(LC 1), 11=5129(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=0/255, 2-3=-4846/1816, 3-4=-3212/2091, 4-5=-1045/1151, 6-7=-1045/1151, 7-8=-3212/2090, 8-9=-4846/1815, 9-10=0/255, 2-15=-5776/2538, 9-11=-5776/2538, 5-6=-489/924
BOT CHORD 14-15=-2260/2162, 12-14=-634/3039
WEBS 4-16=-2690/1471, 7-16=-2690/1471, 3-14=-519/1883, 8-12=-516/1883, 2-14=-571/3387, 9-12=-575/3387, 5-16=-308/513, 6-16=-308/513



NOTES-
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) -1-10-8 to 1-1-8, Interior(1) 1-1-8 to 8-10-0, Exterior(2) 8-10-0 to 13-0-15, Interior(1) 13-0-15 to 15-1-0, Exterior(2) 15-1-0 to 19-1-7, Interior(1) 19-1-7 to 25-9-8 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
5) Provide adequate drainage to prevent water ponding.
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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-16, 7-16
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 12-14
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1990 lb uplift at joint 15 and 1990 lb uplift at joint 11.
11) Attic room checked for L/360 deflection.

December 21,2021

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	H1	Common Supported Gable	1	1	I49342709
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:39:20 2021 Page 1
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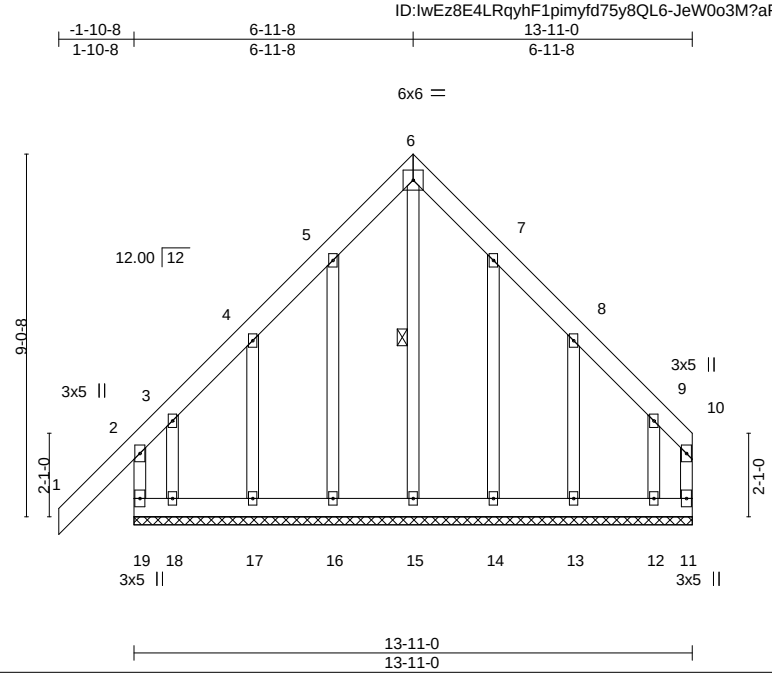

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.82	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.22	Vert(TL)	-0.01	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.28	Horz(TL)	-0.00	11	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-R							Weight: 139 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 6-15

REACTIONS. All bearings 13-11-0.
(lb) - Max Horz 19=562(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 15 except 19=-575(LC 5), 11=-665(LC 8), 16=-130(LC 9), 17=-240(LC 9), 18=-479(LC 8), 14=-121(LC 9), 13=-274(LC 9), 12=-493(LC 7)
Max Grav All reactions 250 lb or less at joint(s) 16, 17, 14, 13 except 19=560(LC 8), 11=643(LC 7), 15=700(LC 9), 18=576(LC 7), 12=641(LC 8)

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

TOP CHORD	2-19=-257/686, 2-3=-331/381, 3-4=-210/298, 4-5=-139/562, 5-6=-70/720, 6-7=-90/720, 7-8=-161/566, 8-9=-234/288, 9-10=-403/391, 10-11=-373/364
BOT CHORD	18-19=-283/227, 17-18=-282/226, 16-17=-281/225, 15-16=-281/225, 14-15=-281/225, 13-14=-281/225, 12-13=-280/224, 11-12=-278/223
WEBS	6-15=-781/33, 4-17=-163/364, 8-13=-167/374, 9-12=-300/250

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Corner(3) -1-10-8 to 0-11-5, Exterior(2) 0-11-5 to 6-11-8, Corner(3) 6-11-8 to 9-11-8, Exterior(2) 9-11-8 to 13-9-7 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. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2.5x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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) except (jt=lb) 11=665.
11) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 19, 15, 16, 17, 18, 14, 13, and 12. This connection is for uplift only and does not consider lateral forces.

December 21,2021

ENGINEERING BY
TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	H2	Common	2	1	I49342710
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:39:21 2021 Page 1
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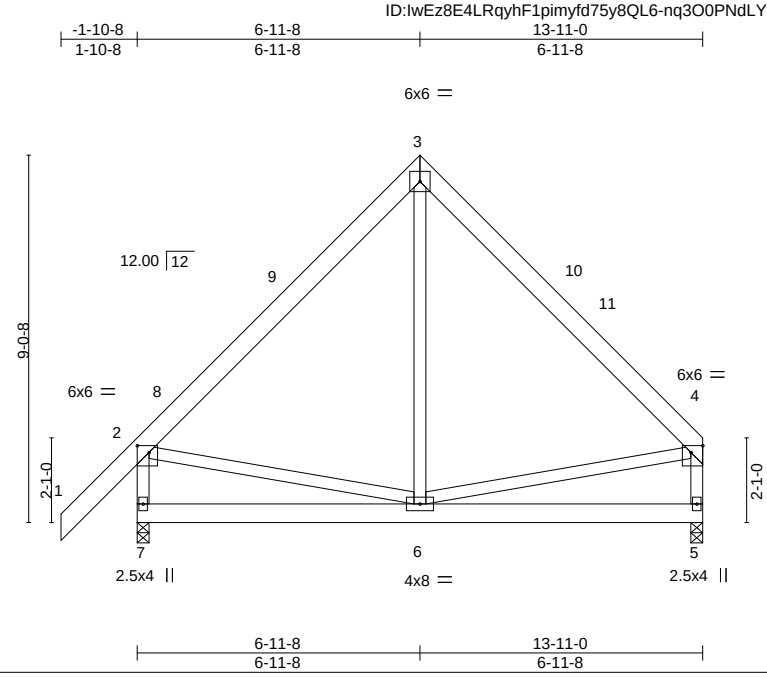

Plate Offsets (X,Y)-- [2:0-3-8,0-2-0], [4:Edge,0-2-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.83	Vert(LL)	-0.01	5-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(TL)	-0.04	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.26	Horz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-S							Weight: 122 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-10-10 oc bracing.

REACTIONS. (size) 7=0-3-8, 5=0-3-8
Max Horz 7=562(LC 8)
Max Uplift 7=-488(LC 9), 5=-298(LC 9)
Max Grav 7=675(LC 1), 5=537(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-489/383, 3-4=-479/357, 2-7=-615/649, 4-5=-476/421
BOT CHORD 6-7=-560/565
WEBS 2-6=-284/373, 4-6=-246/322

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) -1-10-8 to 1-1-8, Interior(1) 1-1-8 to 6-11-8, Exterior(2) 6-11-8 to 9-11-8, Interior(1) 9-11-8 to 13-9-7 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 7 and 5. This connection is for uplift only and does not consider lateral forces.

December 21,2021

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	H3	Common Girder	1	2	I49342711
					Job Reference (optional)

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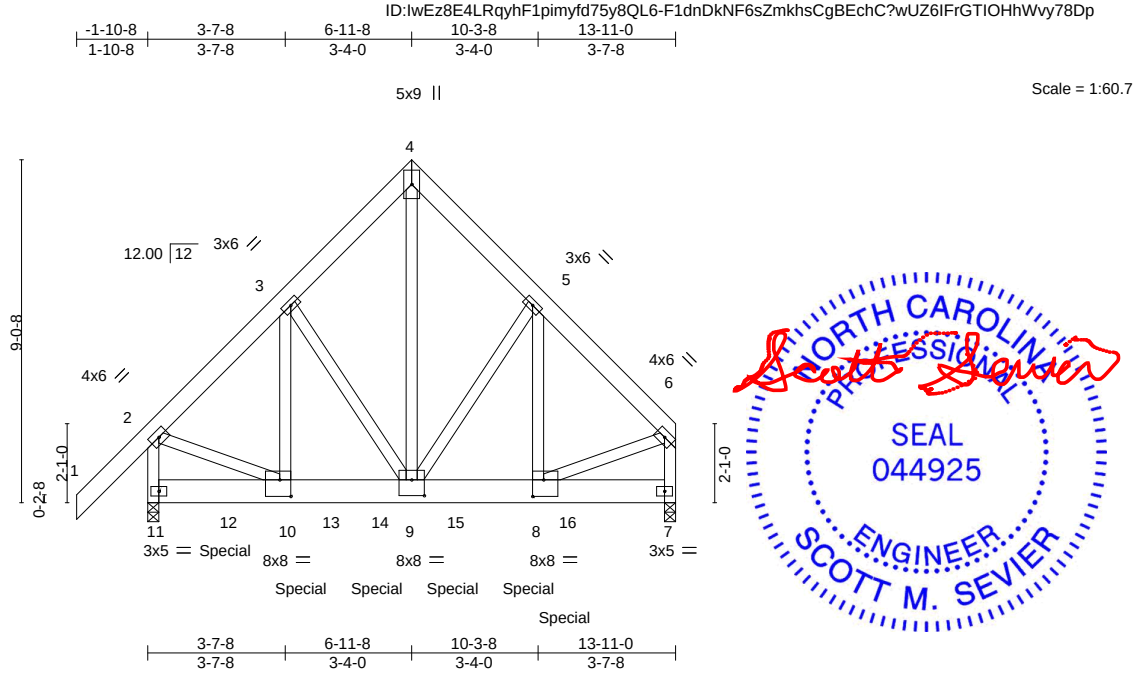

Plate Offsets (X,Y)-- [8:0-3-8,0-5-4], [9:0-4-0,0-5-0], [10:0-3-8,0-5-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.78	Vert(LL)	-0.05	8-9	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.57	Vert(TL)	-0.09	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.82	Horz(TL)	0.01	7	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-S							Weight: 305 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x8 SP No.2
WEBS 2x4 SP No.3 *Except*
4-9: 2x4 SP No.2 or 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 11=0-3-8, 7=0-3-8
Max Horz 11=556(LC 6)
Max Uplift 11=-2601(LC 7), 7=-2388(LC 7)
Max Grav 11=6146(LC 1), 7=5955(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5123/2145, 3-4=-4098/1865, 4-5=-4102/1880, 5-6=-5366/2198, 2-11=-5392/2344, 6-7=-5517/2244
BOT CHORD 10-11=-561/503, 9-10=-1530/3514, 8-9=-1418/3707
WEBS 4-9=-2396/5372, 5-9=-1460/796, 5-8=-836/2041, 3-9=-1111/637, 3-10=-690/1602, 2-10=-1381/3721, 6-8=-1481/3945

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-4-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Bearing at joint(s) 11, 7 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 capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=2601, 7=2388.

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NOTES-

9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1815 lb down and 700 lb up at 2-0-12, 1815 lb down and 700 lb up at 4-0-12, 1815 lb down and 700 lb up at 6-0-12, 1815 lb down and 700 lb up at 8-0-12, and 1815 lb down and 700 lb up at 10-0-12, and 1815 lb down and 700 lb up at 11-0-2 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced) + Attic Floor: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-2=-60, 2-4=-60, 4-6=-60, 7-11=-20
   Concentrated Loads (lb)
   Vert: 8=-1815(F) 12=-1815(F) 13=-1815(F) 14=-1815(F) 15=-1815(F) 16=-1815(F)

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	J1	MONOPITCH	4	1	I49342712
					Job Reference (optional)

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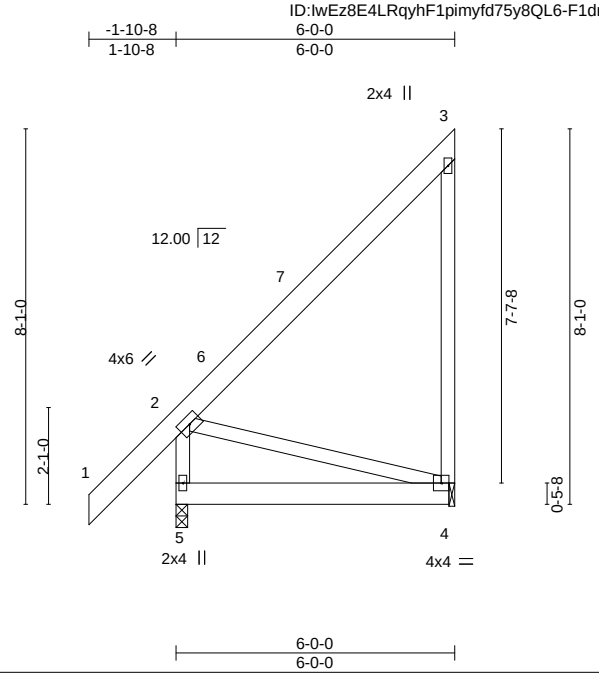

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.49	Vert(LL)	-0.02	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.19	Vert(TL)	-0.04	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.22	Horz(TL)	-0.00	4	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-P							Weight: 61 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 5=0-3-0, 4=0-1-8
Max Horz 5=686(LC 9)
Max Uplift 4=-438(LC 9)
Max Grav 5=371(LC 1), 4=298(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-362/129, 3-4=-190/444, 2-5=-314/120
BOT CHORD 4-5=-715/257
WEBS 2-4=-268/743

NOTES-
1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) -1-10-8 to 1-1-8, Interior(1) 1-1-8 to 5-10-1 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
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) 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 surface.
5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=438.

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Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	M1	GABLE	1	1	I49342713
					Job Reference (optional)

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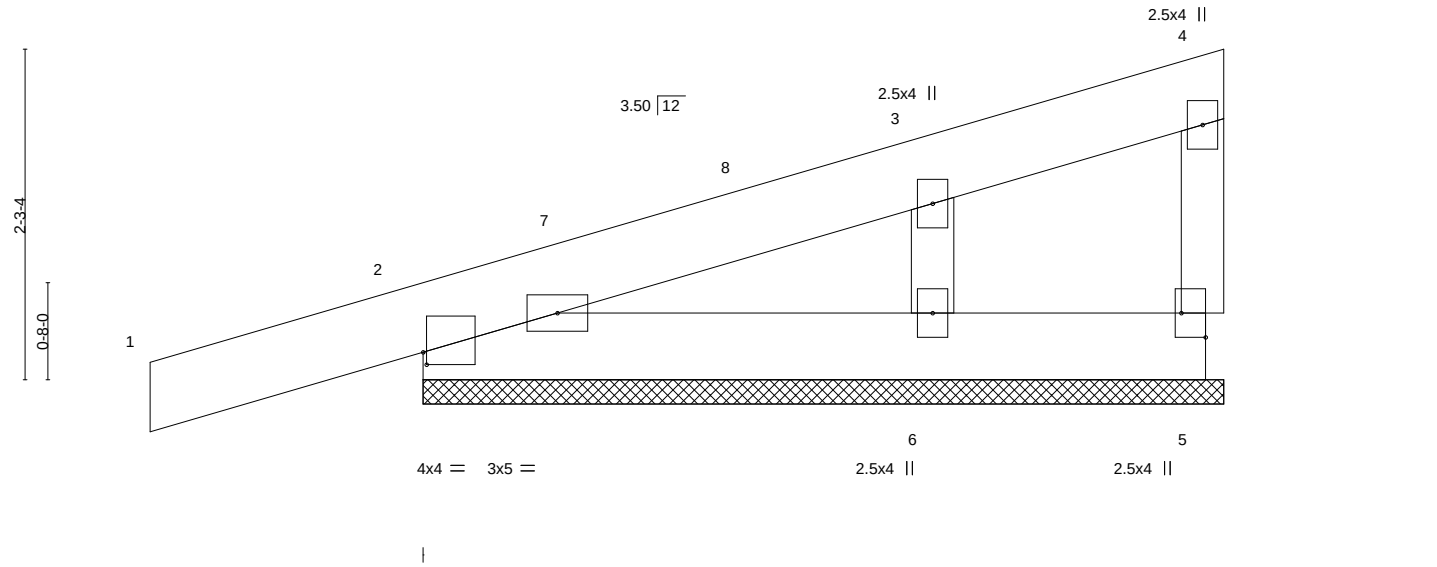

Plate Offsets (X,Y)-- [2:0-0-5,0-1-0], [5:Edge,0-2-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.38	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(TL)	-0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-P							Weight: 34 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-6-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=5-6-0, 2=5-6-0, 6=5-6-0
Max Horz 2=158(LC 6)
Max Uplift 5=-33(LC 5), 2=-284(LC 9), 6=-94(LC 9)
Max Grav 5=44(LC 1), 2=267(LC 1), 6=230(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-268/37
WEBS 3-6=-157/529

NOTES-
1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Corner(3) -1-10-8 to 1-1-8, Exterior(2) 1-1-8 to 5-4-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Gable requires continuous bottom chord bearing.
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.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5, 2, and 6. This connection is for uplift only and does not consider lateral forces.

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Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	M2	Monopitch	10	1	I49342714
					Job Reference (optional)

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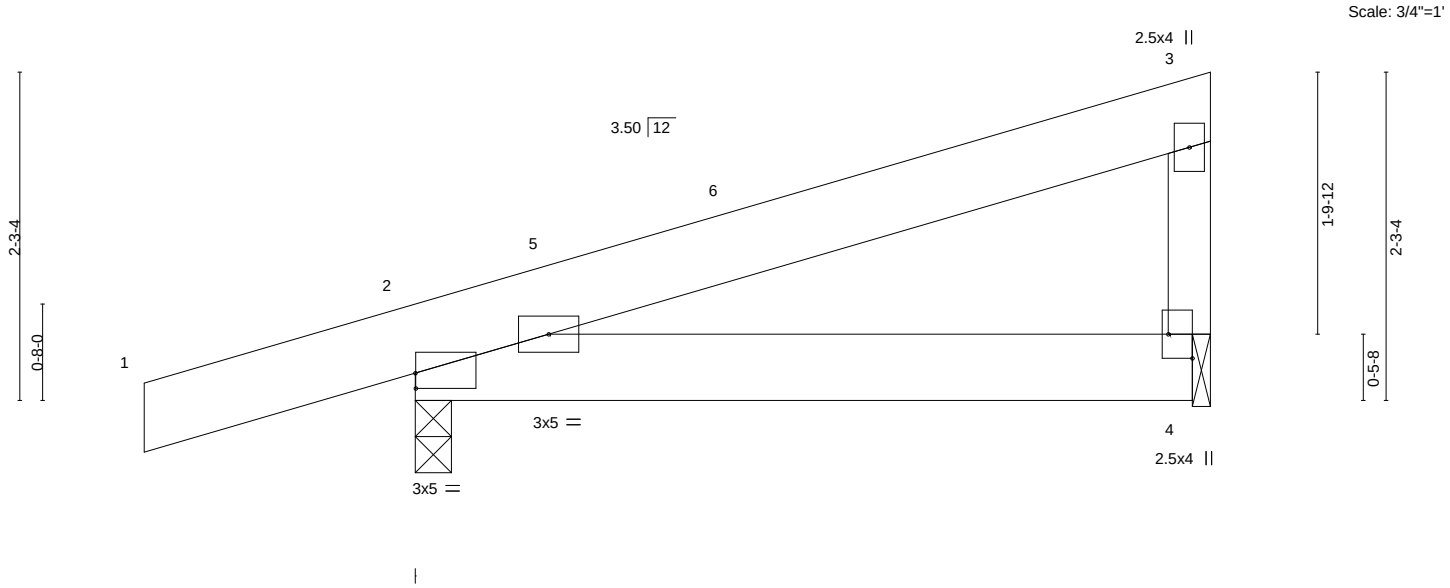

Plate Offsets (X,Y)-- [2:Edge,0-1-4], [4:Edge,0-2-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.29	Vert(LL)	-0.01	2-4	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(TL)	-0.03	2-4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-P							Weight: 33 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-6-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-3-0, 4=0-1-8
Max Horz 2=158(LC 6)
Max Uplift 2=-330(LC 9), 4=-85(LC 5)
Max Grav 2=352(LC 1), 4=186(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-134/313

NOTES-
1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) -1-10-8 to 1-1-8, Interior(1) 1-1-8 to 5-4-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) 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 surface.
5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
6) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 4. This connection is for uplift only and does not consider lateral forces.

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Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	M3	Monopitch Supported Gable	1	1	I49342715
					Job Reference (optional)

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-1-10-8 1-10-8 | 10-11-8 10-11-8

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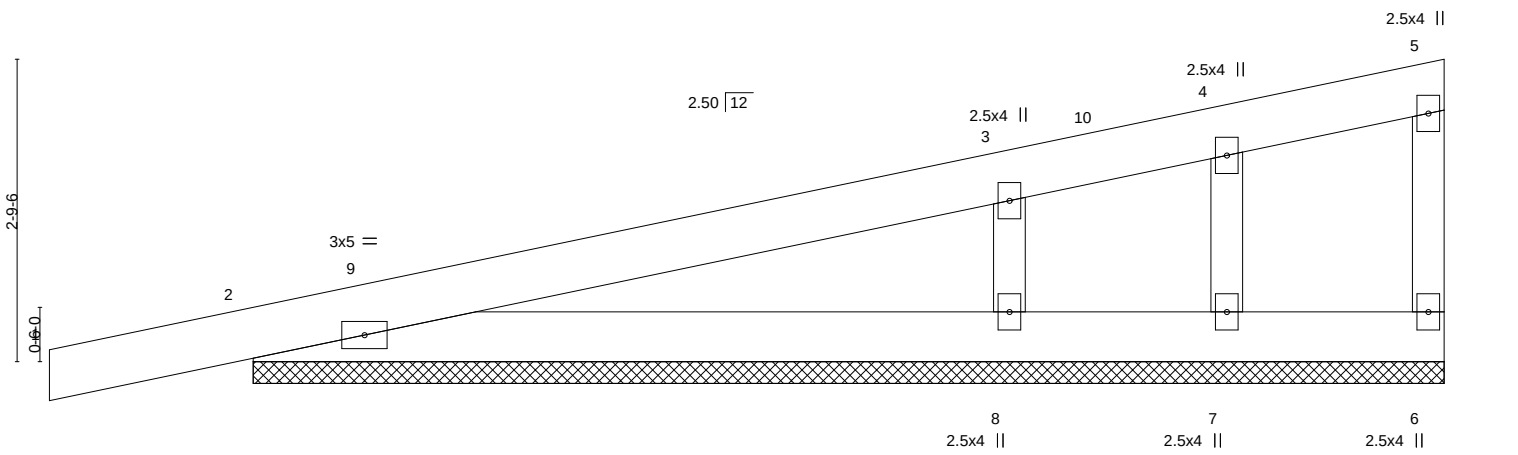

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	0.01	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.21	Vert(TL)	0.03	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.21	Horz(TL)	0.00	6	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-S							Weight: 63 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 10-11-8.
(lb) - Max Horz 2=212(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) 6, 7 except 2=-383(LC 5), 8=-409(LC 5)
Max Grav All reactions 250 lb or less at joint(s) 6, 7 except 2=357(LC 1), 8=587(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-274/46
WEBS 3-8=-413/696

NOTES-
1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Corner(3) -1-10-8 to 1-1-8, Exterior(2) 1-1-8 to 10-9-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Gable requires continuous bottom chord bearing.
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.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 6, 2, 7, and 8. This connection is for uplift only and does not consider lateral forces.

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Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	M4	Monopitch	10	1	I49342716
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:39:25 2021 Page 1
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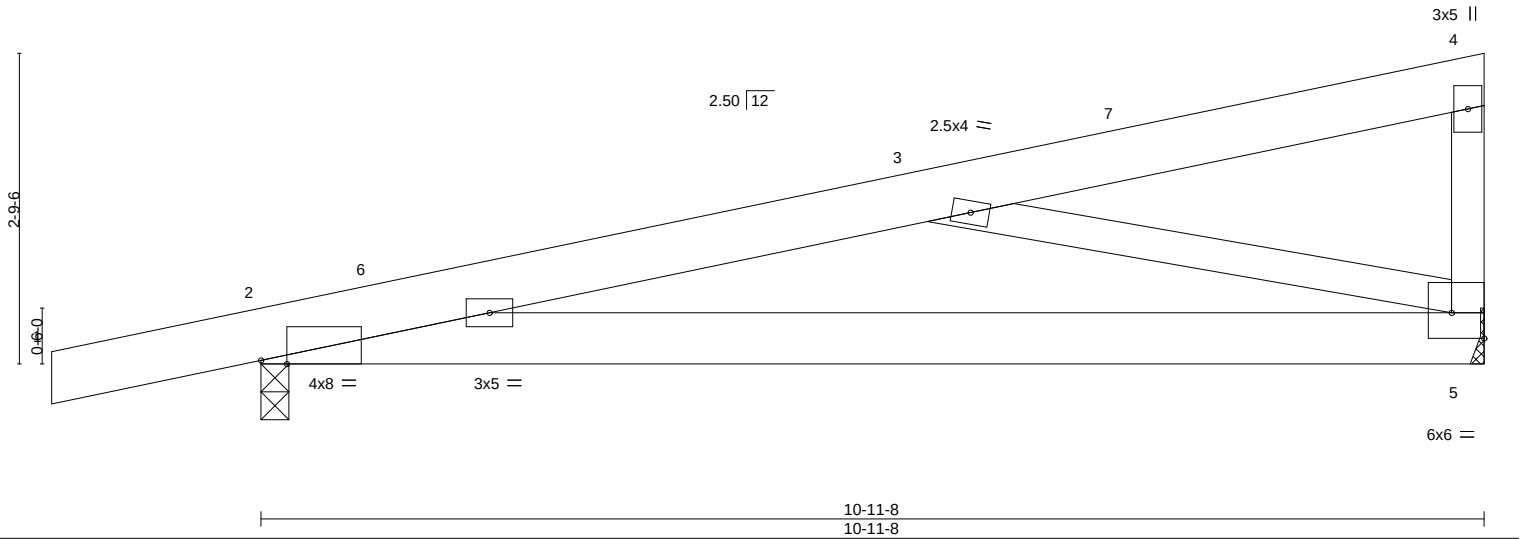

10-11-8 / 10-11-8

Plate Offsets (X,Y)-- [2:0-2-13,Edge], [5:Edge,0-2-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.86	Vert(LL)	0.51	2-5	>251	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.72	Vert(TL)	0.39	2-5	>326	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.33	Horz(TL)	-0.01	5	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-S							Weight: 66 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2 or 2x4 SPF No.2 *Except*
3-5: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-2-14 oc bracing.

REACTIONS. (size) 5=Mechanical, 2=0-3-0
Max Horz 2=232(LC 5)
Max Uplift 5=-568(LC 5), 2=-780(LC 5)
Max Grav 5=416(LC 1), 2=559(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-835/1140
BOT CHORD 2-5=-1271/782
WEBS 3-5=-755/1096

NOTES-
1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) -1-10-8 to 1-1-8, Interior(1) 1-1-8 to 10-9-12 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
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=568, 2=780.

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Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	M5	Monopitch Supported Gable	1	1	I49342717
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:39:25 2021 Page 1
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1-10-8 6-0-8

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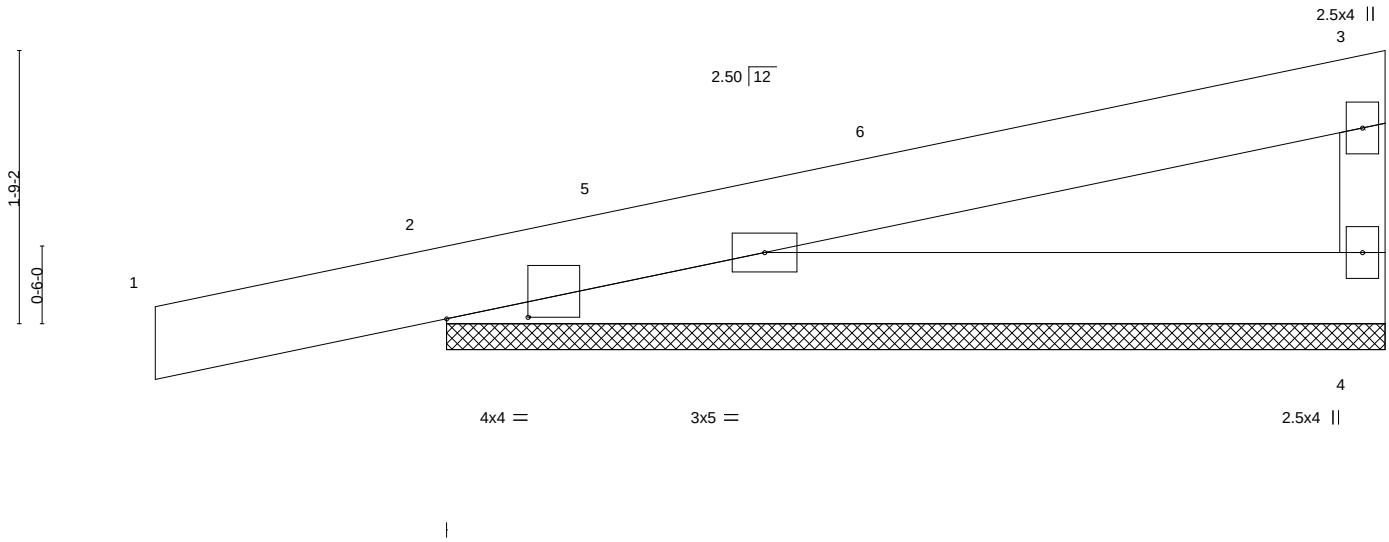

Plate Offsets (X,Y)-- [2:0-6-5,0-0-2]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.51	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.20	Vert(TL)	0.01	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-P							Weight: 34 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=6-0-8, 2=6-0-8
Max Horz 2=123(LC 6)
Max Uplift 4=-147(LC 5), 2=-400(LC 5)
Max Grav 4=218(LC 1), 2=366(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-159/479

NOTES-
1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Corner(3) -1-10-8 to 1-1-8, Exterior(2) 1-1-8 to 5-10-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Gable requires continuous bottom chord bearing.
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.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4 and 2. This connection is for uplift only and does not consider lateral forces.

December 21,2021

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	M6	GABLE	2	1	I49342718
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:39:26 2021 Page 1
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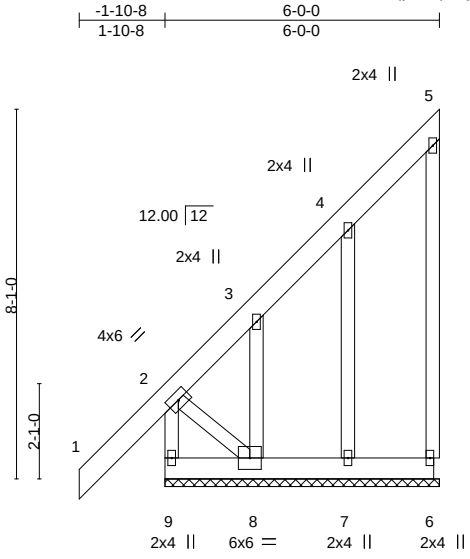

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.46	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(TL)	-0.01	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.32	Horz(TL)	-0.00	6	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-P							Weight: 68 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 6-0-0.
(lb) - Max Horz 9=686(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 6 except 9=-217(LC 7), 7=-277(LC 9), 8=-516(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 6, 7 except 9=442(LC 9), 8=336(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-526/176, 3-4=-425/136, 2-9=-776/226
BOT CHORD 8-9=-804/260
WEBS 4-7=-161/427, 2-8=-346/1071

NOTES-
1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Corner(3) -1-10-8 to 1-1-8, Exterior(2) 1-1-8 to 5-10-1 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
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Gable requires continuous bottom chord bearing.
4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

December 21,2021

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	PB1	GABLE	1	1	I49342719
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:39:27 2021 Page 1
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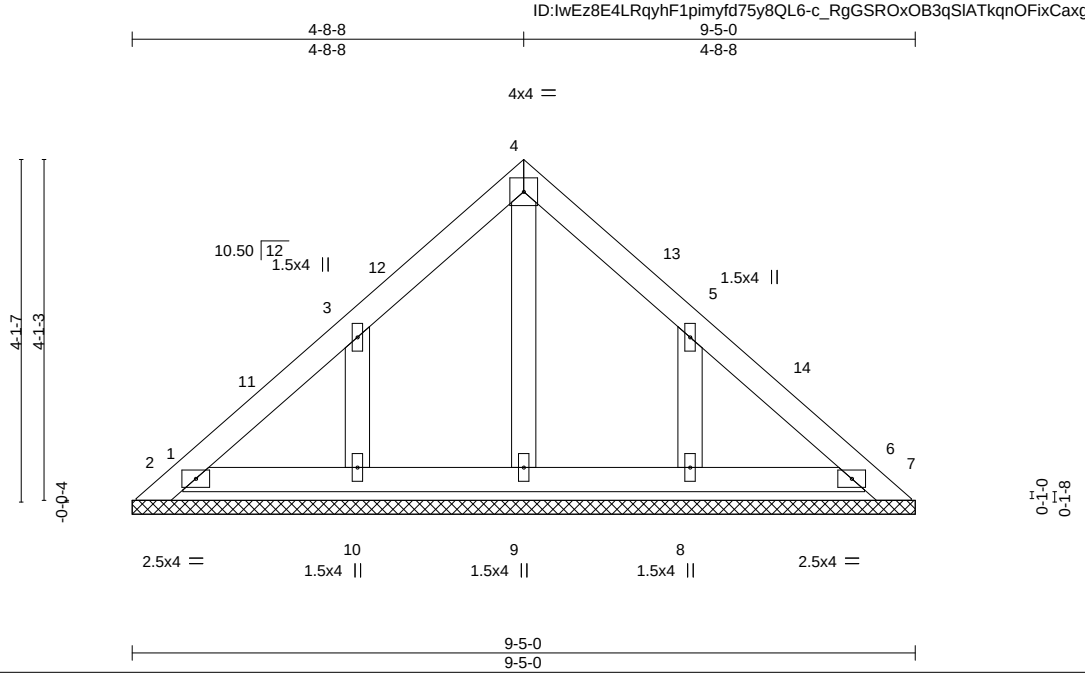

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(TL)	0.00	6	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-P							Weight: 41 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
OTHERS 2x4 SP No.3

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.

REACTIONS. All bearings 9-5-0.
(lb) - Max Horz 1=-198(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) 7, 9 except 1=-177(LC 7), 2=-112(LC 9), 6=-112(LC 9), 10=-225(LC 9), 8=-225(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 1, 7, 2, 6, 9, 10, 8

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-253/269
WEBS 3-10=-147/342, 5-8=-144/342

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) 0-3-1 to 3-3-1, Interior(1) 3-3-1 to 4-8-8, Exterior(2) 4-8-8 to 7-8-8, Interior(1) 7-8-8 to 9-1-15 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. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 1=177.
9) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 6, 9, 10, and 8. This connection is for uplift only and does not consider lateral forces.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

December 21,2021

ENGINEERING BY
TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	PB2	Piggyback	5	1	I49342720
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:39:28 2021 Page 1
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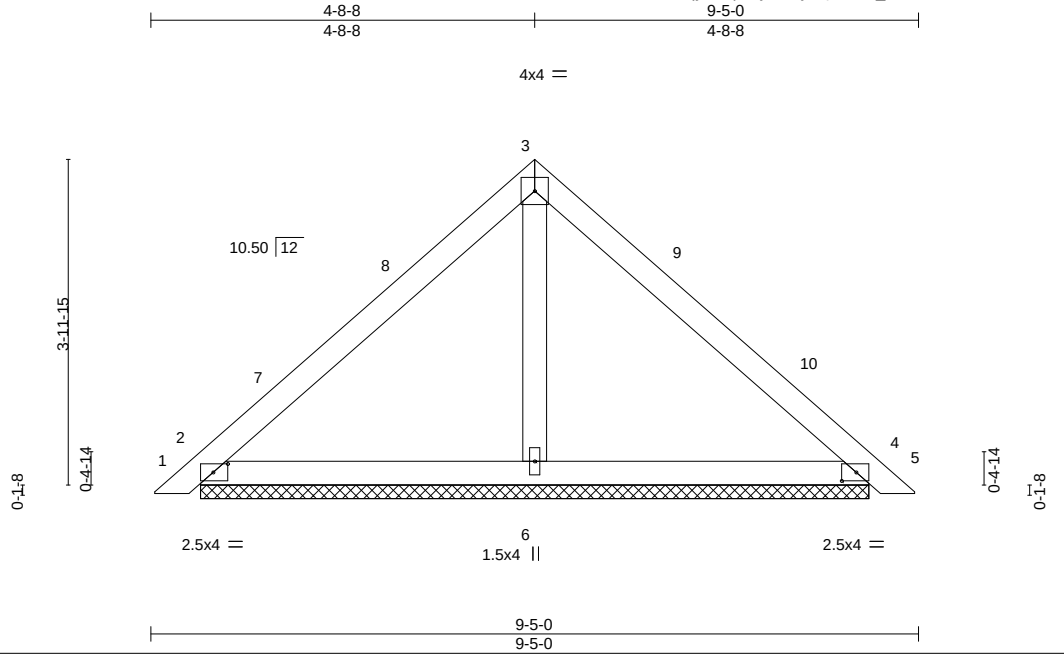

Plate Offsets (X,Y)-- [2:0-2-2,0-1-4], [4:0-2-2,0-1-4]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.61	Vert(LL)	0.01	5	n/r	120	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.22	Vert(TL)	0.02	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-P							Weight: 36 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
OTHERS 2x4 SP No.3

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.

REACTIONS. (size) 2=8-2-6, 4=8-2-6, 6=8-2-6
Max Horz 2=198(LC 8)
Max Uplift 2=-193(LC 9), 4=-193(LC 9), 6=-42(LC 9)
Max Grav 2=213(LC 1), 4=213(LC 1), 6=271(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) 0-3-1 to 3-3-1, Interior(1) 3-3-1 to 4-8-8, Exterior(2) 4-8-8 to 7-8-8, Interior(1) 7-8-8 to 9-1-15 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 4, and 6. This connection is for uplift only and does not consider lateral forces.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

December 21,2021

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	PB3	Piggyback	1	2	I49342721
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:39:29 2021 Page 1
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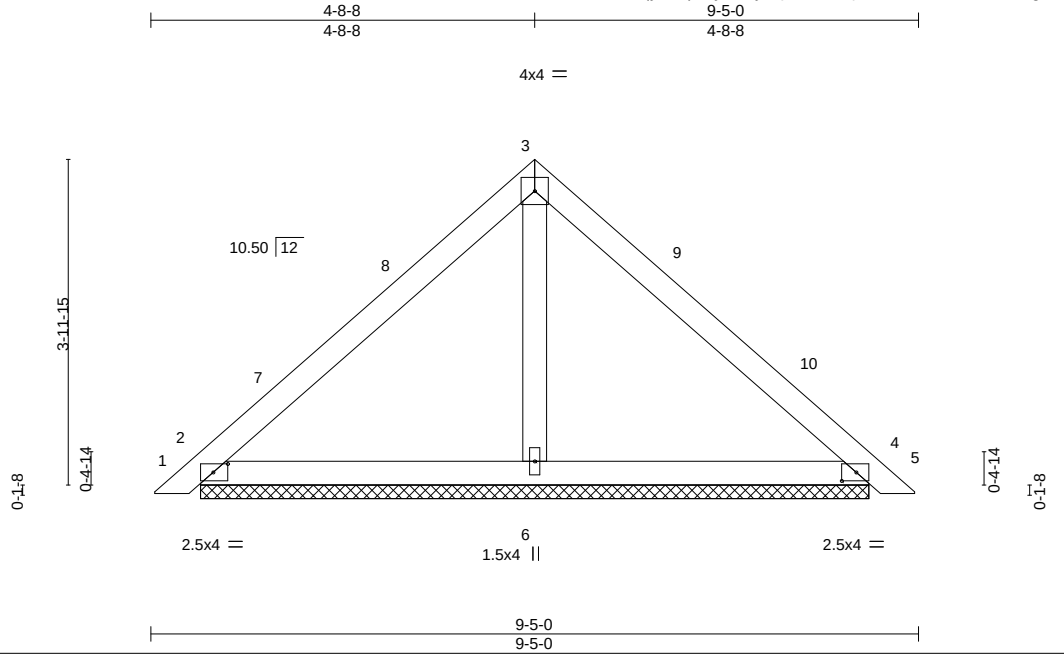

Plate Offsets (X,Y)-- [2:0-2-2,0-1-4], [4:0-2-2,0-1-4]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.31	Vert(LL)	0.01	5	n/r	120	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(TL)	0.01	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-P							Weight: 71 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
OTHERS 2x4 SP No.3

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.

REACTIONS. (size) 2=8-2-6, 4=8-2-6, 6=8-2-6
Max Horz 2=198(LC 8)
Max Uplift 2=-193(LC 9), 4=-193(LC 9), 6=-42(LC 9)
Max Grav 2=213(LC 1), 4=213(LC 1), 6=271(LC 1)

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

NOTES-
1) 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.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) 0-3-1 to 3-3-1, Interior(1) 3-3-1 to 4-8-8, Exterior(2) 4-8-8 to 7-8-8, Interior(1) 7-8-8 to 9-1-15 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
5) Gable requires continuous bottom chord bearing.
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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 4, and 6. This connection is for uplift only and does not consider lateral forces.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

December 21,2021

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	PB4	Piggyback	1	1	I49342722
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:39:30 2021 Page 1
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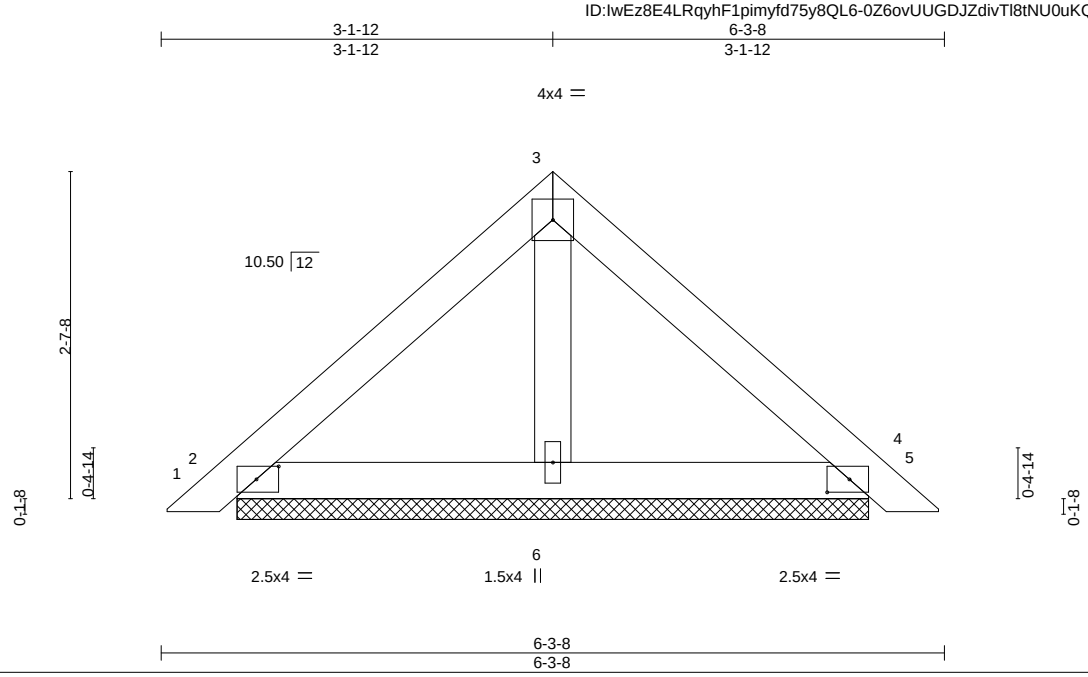

Plate Offsets (X,Y)-- [2:0-2-2,0-1-4], [4:0-2-2,0-1-4]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.26	Vert(LL)	0.00	5	n/r	120	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(TL)	0.00	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-P							Weight: 23 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
OTHERS 2x4 SP No.3

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.

REACTIONS. (size) 2=5-0-14, 4=5-0-14, 6=5-0-14
Max Horz 2=-129(LC 7)
Max Uplift 2=-135(LC 9), 4=-135(LC 9), 6=-20(LC 9)
Max Grav 2=141(LC 1), 4=141(LC 1), 6=166(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 4, and 6. This connection is for uplift only and does not consider lateral forces.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

December 21,2021

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	PB5	Piggyback	4	1	I49342723
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:39:30 2021 Page 1
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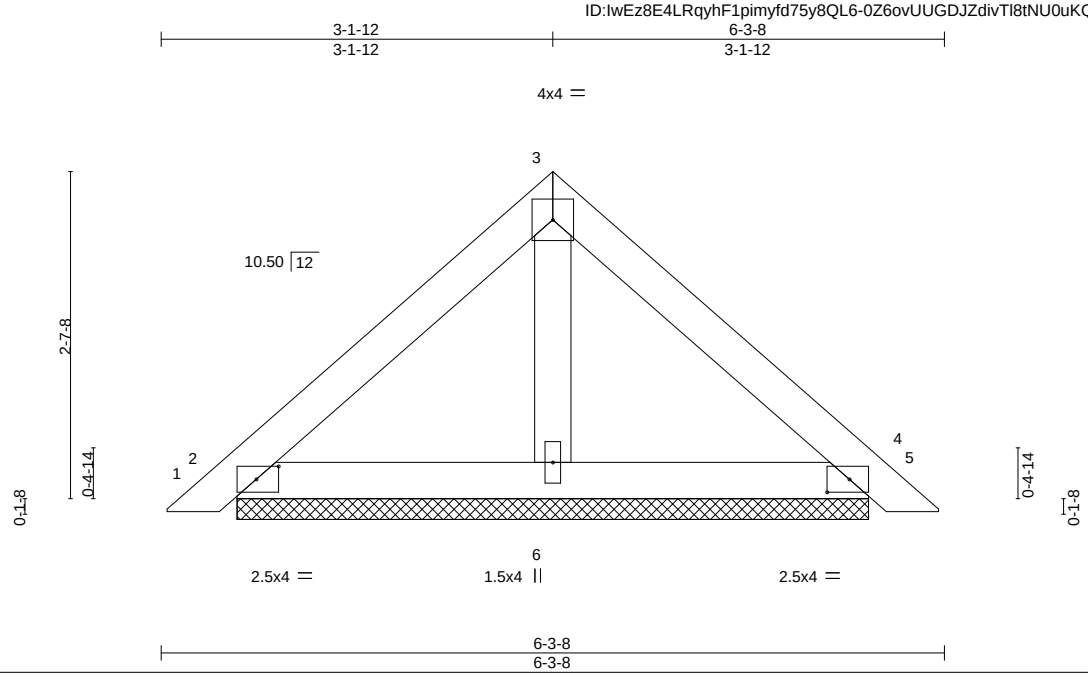

Plate Offsets (X,Y)-- [2:0-2-2,0-1-4], [4:0-2-2,0-1-4]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.26	Vert(LL)	0.00	5	n/r	120	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(TL)	0.00	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-P							Weight: 23 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
OTHERS 2x4 SP No.3

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.

REACTIONS. (size) 2=5-0-14, 4=5-0-14, 6=5-0-14
Max Horz 2=-129(LC 7)
Max Uplift 2=-135(LC 9), 4=-135(LC 9), 6=-20(LC 9)
Max Grav 2=141(LC 1), 4=141(LC 1), 6=166(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 4, and 6. This connection is for uplift only and does not consider lateral forces.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

December 21,2021

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	PB6	PIGGYBACK	2	2	I49342724
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:39:31 2021 Page 1
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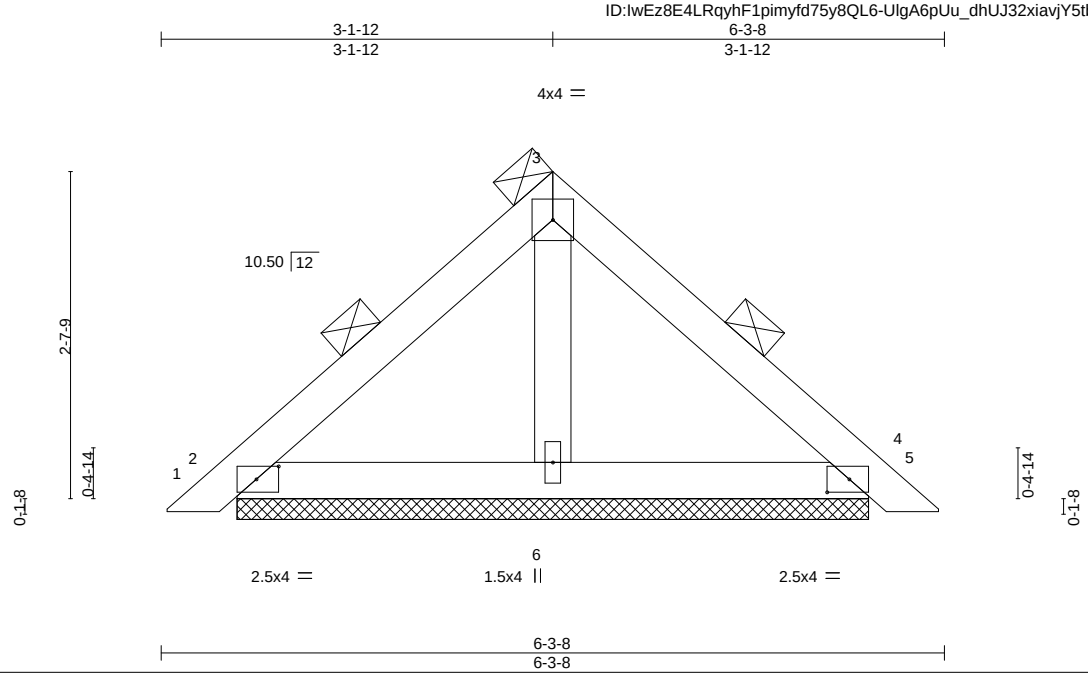

Plate Offsets (X,Y)-- [2:0-2-2,0-1-4], [4:0-2-2,0-1-4]

LOADING (psf)		SPACING- 3-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.22	Vert(LL)	0.00	5	n/r	120	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(TL)	0.00	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.02	Horz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-P							Weight: 45 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD 2-0-0 oc purlins (6-0-0 max.)
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=5-0-14, 4=5-0-14, 6=5-0-14
Max Horz 2=-193(LC 7)
Max Uplift 2=-202(LC 9), 4=-202(LC 9), 6=-30(LC 9)
Max Grav 2=211(LC 1), 4=211(LC 1), 6=249(LC 1)

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

NOTES-
1) 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.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) 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
5) Gable requires continuous bottom chord bearing.
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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 4, and 6. This connection is for uplift only and does not consider lateral forces.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
10) 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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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	PB9	Piggyback	7	1	I49342725
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:39:31 2021 Page 1
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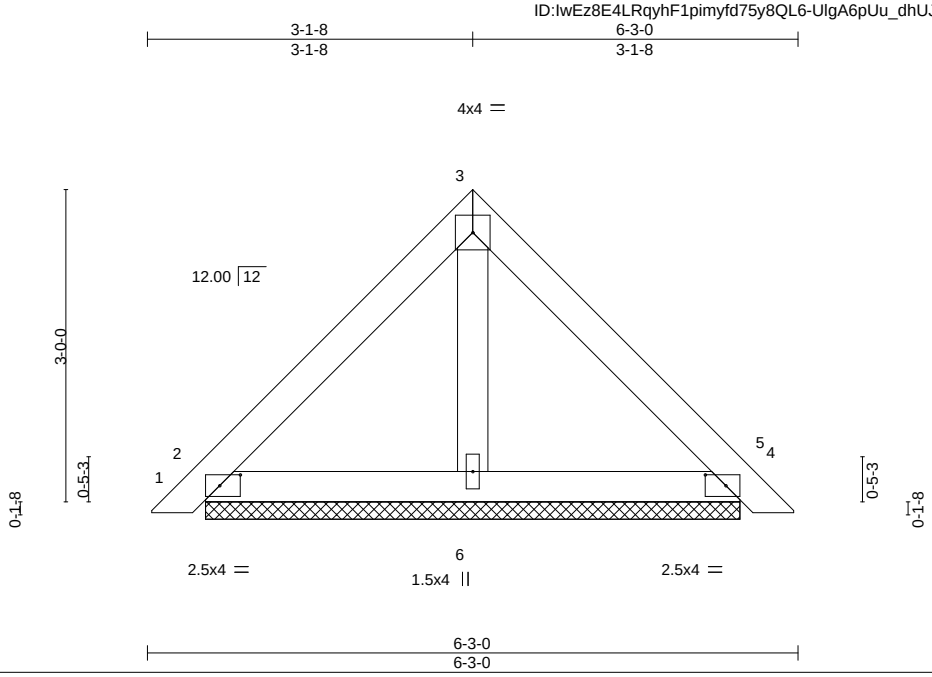

Plate Offsets (X,Y)-- [2:0-2-6,0-1-4], [4:0-2-6,0-1-4]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.30	Vert(LL)	0.00	5	n/r	120	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(TL)	0.00	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-P							Weight: 24 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
OTHERS 2x4 SP No.3

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.

REACTIONS. (size) 2=5-1-10, 4=5-1-10, 6=5-1-10
Max Horz 2=-154(LC 7)
Max Uplift 2=-137(LC 9), 4=-137(LC 9), 6=-12(LC 9)
Max Grav 2=145(LC 1), 4=145(LC 1), 6=160(LC 2)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 4, and 6. This connection is for uplift only and does not consider lateral forces.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	PB10	PIGGYBACK	2	3	I49342726
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:39:28 2021 Page 1
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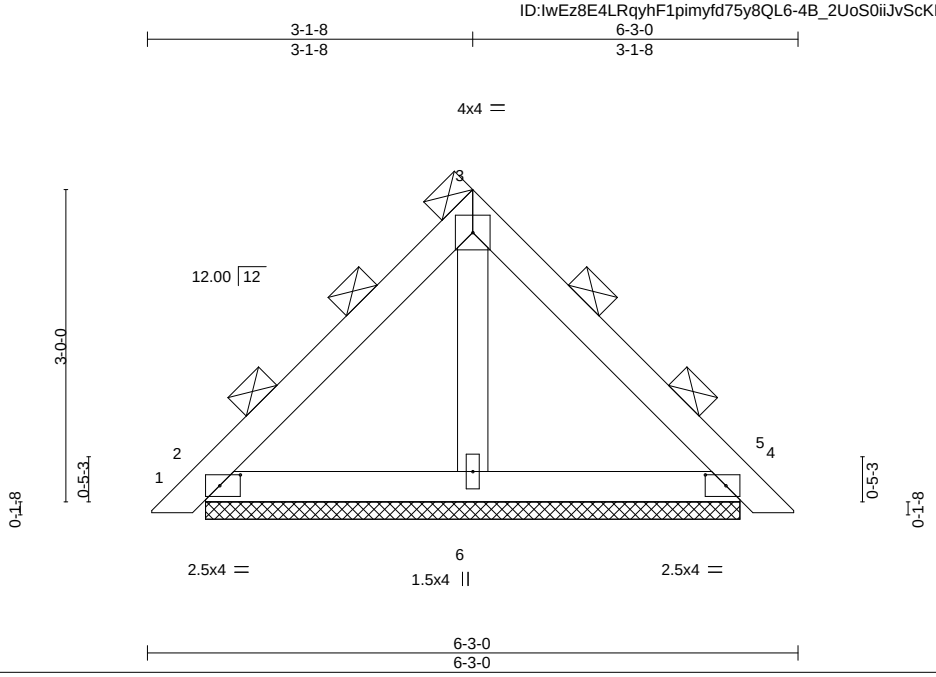

Plate Offsets (X,Y)-- [2:0-2-6,0-1-4], [4:0-2-6,0-1-4]

LOADING (psf)		SPACING- 3-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	0.00	5	n/r	120	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(TL)	0.00	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-P							Weight: 72 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD 2-0-0 oc purlins (6-0-0 max.)
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=5-1-10, 4=5-1-10, 6=5-1-10
Max Horz 2=-230(LC 7)
Max Uplift 2=-205(LC 9), 4=-205(LC 9), 6=-18(LC 9)
Max Grav 2=217(LC 1), 4=217(LC 1), 6=240(LC 2)

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

NOTES-
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) 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
5) Gable requires continuous bottom chord bearing.
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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 4, and 6. This connection is for uplift only and does not consider lateral forces.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
10) 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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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	V1	GABLE	1	1	I49342727
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:39:32 2021 Page 1
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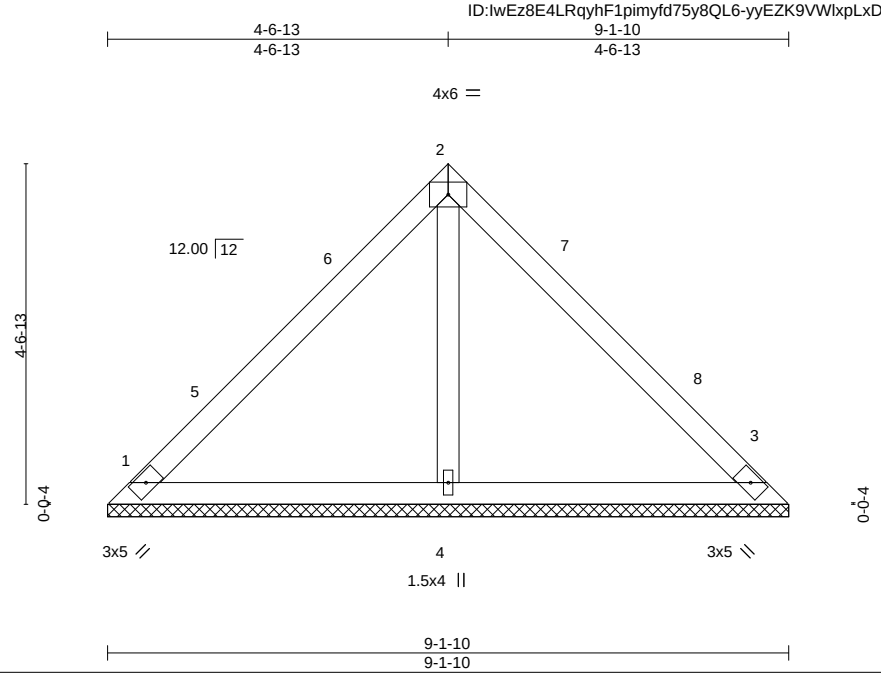

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.56	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.40	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-S							Weight: 37 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.3
BOT CHORD 2x4 SP No.3
OTHERS 2x4 SP No.3

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.

REACTIONS. (size) 1=9-1-10, 3=9-1-10, 4=9-1-10
Max Horz 1=-224(LC 7)
Max Uplift 1=-132(LC 9), 3=-132(LC 9), 4=-110(LC 9)
Max Grav 1=187(LC 1), 3=187(LC 1), 4=300(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) 0-4-4 to 3-4-4, Interior(1) 3-4-4 to 4-6-13, Exterior(2) 4-6-13 to 7-6-13, Interior(1) 7-6-13 to 8-9-6 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1, 3, and 4. This connection is for uplift only and does not consider lateral forces.

December 21,2021

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	V2	Valley	1	1	I49342728
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:39:33 2021 Page 1
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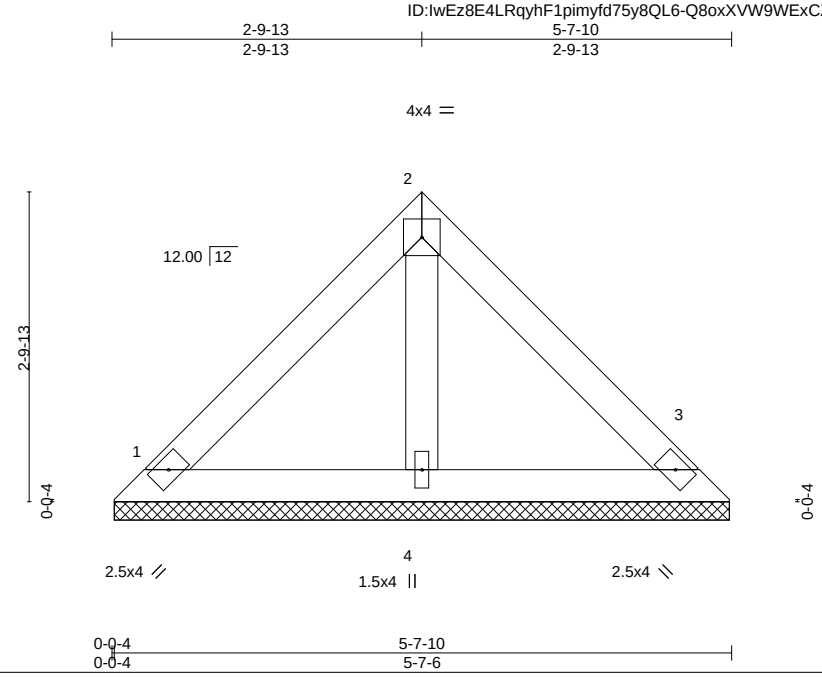

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.47	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.14	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-P							Weight: 22 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.3
BOT CHORD 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-7-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=5-7-2, 3=5-7-2, 4=5-7-2
Max Horz 1=-131(LC 7)
Max Uplift 1=-97(LC 9), 3=-97(LC 9), 4=-25(LC 9)
Max Grav 1=118(LC 1), 3=118(LC 1), 4=159(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1, 3, and 4. This connection is for uplift only and does not consider lateral forces.

December 21,2021

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	V3	GABLE	1	1	I49342729
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:39:33 2021 Page 1
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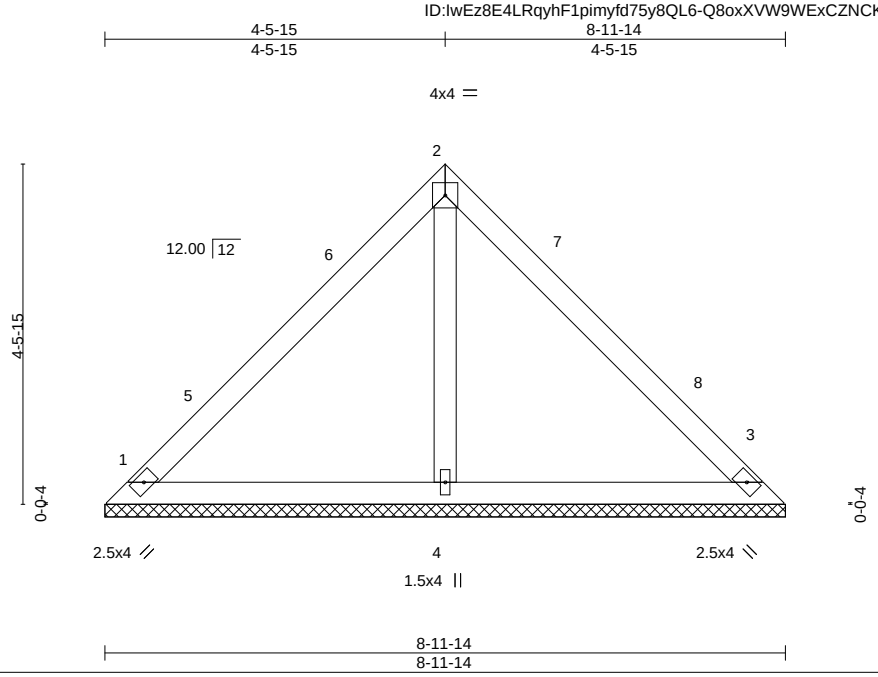

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.70	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.38	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-P							Weight: 37 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
BOT CHORD 2x4 SP No.3
OTHERS 2x4 SP No.3

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.

REACTIONS. (size) 1=8-11-14, 3=8-11-14, 4=8-11-14
Max Horz 1=-220(LC 7)
Max Uplift 1=-165(LC 9), 3=-165(LC 9), 4=-38(LC 9)
Max Grav 1=200(LC 1), 3=200(LC 1), 4=264(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) 0-4-4 to 3-4-4, Interior(1) 3-4-4 to 4-5-15, Exterior(2) 4-5-15 to 7-5-15, Interior(1) 7-5-15 to 8-7-10 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1, 3, and 4. This connection is for uplift only and does not consider lateral forces.

December 21,2021

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	V4	Valley	1	1	I49342730
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:39:34 2021 Page 1
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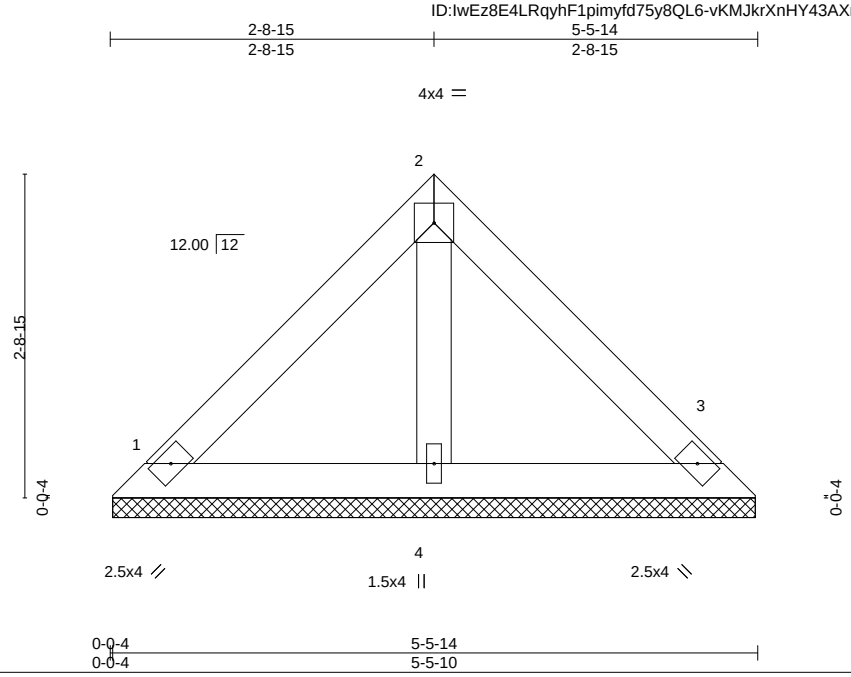

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.44	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-P							Weight: 21 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.3
BOT CHORD 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-5-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=5-5-6, 3=5-5-6, 4=5-5-6
Max Horz 1=-127(LC 7)
Max Uplift 1=-94(LC 9), 3=-94(LC 9), 4=-25(LC 9)
Max Grav 1=114(LC 1), 3=114(LC 1), 4=154(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1, 3, and 4. This connection is for uplift only and does not consider lateral forces.

December 21,2021

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	V5	Valley	1	1	I49342731
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:39:35 2021 Page 1
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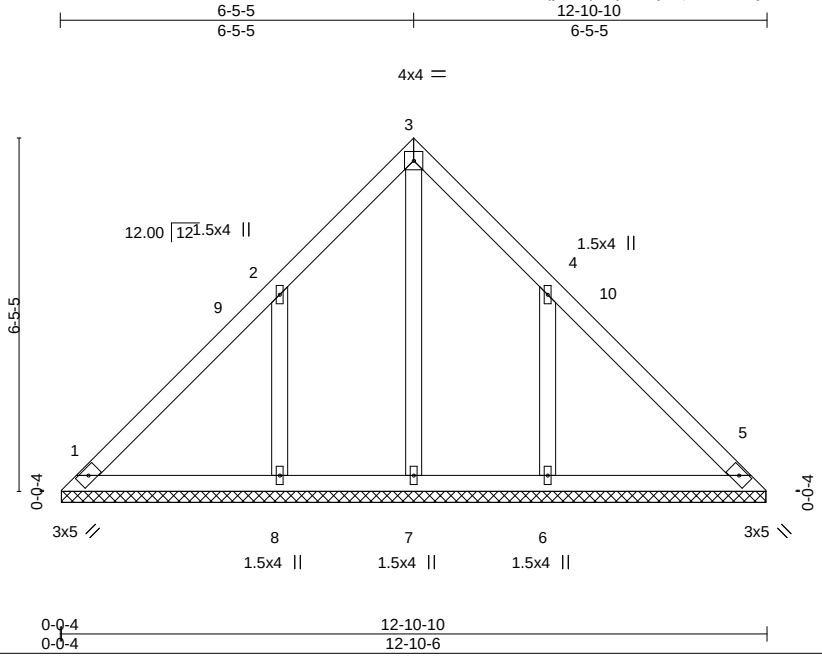

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.61	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-S							Weight: 64 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.3
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
OTHERS 2x4 SP No.3

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.

REACTIONS. All bearings 12-10-2.
(lb) - Max Horz 1=324(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 7 except 6=-435(LC 9), 8=-435(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 6=354(LC 14), 8=354(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-95/261, 3-4=-93/261
WEBS 4-6=-269/530, 2-8=-270/532

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) 0-4-4 to 3-4-4, Interior(1) 3-4-4 to 6-5-5, Exterior(2) 6-5-5 to 9-5-5, Interior(1) 9-5-5 to 12-6-6 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1, 5, 7, 6, and 8. This connection is for uplift only and does not consider lateral forces.

December 21,2021

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	V6	GABLE	1	1	I49342732
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:39:35 2021 Page 1
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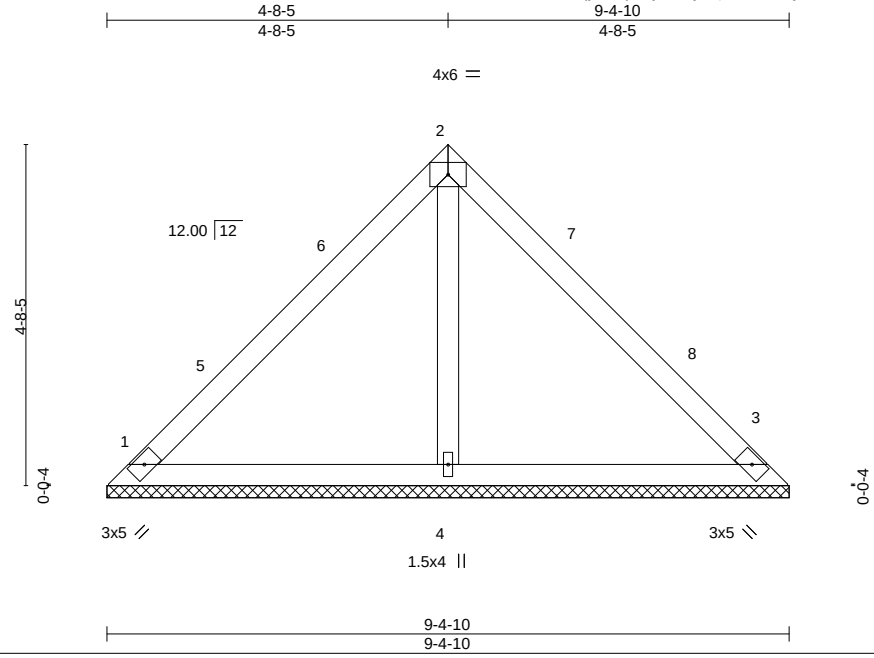

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.59	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.42	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-S							Weight: 38 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.3
BOT CHORD 2x4 SP No.3
OTHERS 2x4 SP No.3

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.

REACTIONS. (size) 1=9-4-10, 3=9-4-10, 4=9-4-10
Max Horz 1=-231(LC 7)
Max Uplift 1=-136(LC 9), 3=-136(LC 9), 4=-113(LC 9)
Max Grav 1=193(LC 1), 3=193(LC 1), 4=309(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) 0-4-4 to 3-4-4, Interior(1) 3-4-4 to 4-8-5, Exterior(2) 4-8-5 to 7-8-5, Interior(1) 7-8-5 to 9-0-6 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1, 3, and 4. This connection is for uplift only and does not consider lateral forces.

December 21,2021

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LAUREN WELLONS JOB - FLOOR
29653-29653A	V7	Valley	1	1	I49342733
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Dec 20 07:39:36 2021 Page 1
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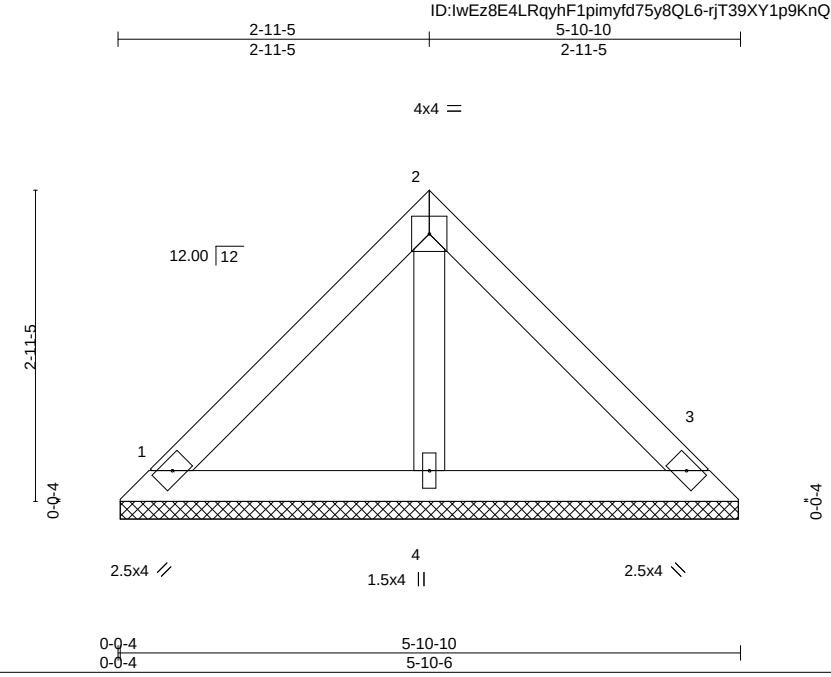

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.51	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		Matrix-P							Weight: 23 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.3
BOT CHORD 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-10-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=5-10-2, 3=5-10-2, 4=5-10-2
Max Horz 1=138(LC 8)
Max Uplift 1=-102(LC 9), 3=-102(LC 9), 4=-27(LC 9)
Max Grav 1=124(LC 1), 3=124(LC 1), 4=167(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1, 3, and 4. This connection is for uplift only and does not consider lateral forces.

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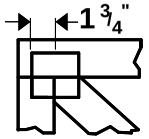
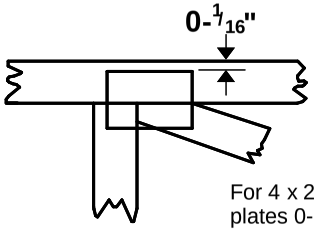
Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0- 1/16" from outside edge of truss.

This symbol indicates the required direction of slots in connector plates.

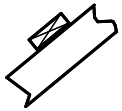
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

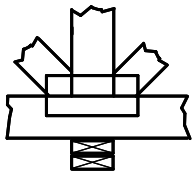
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T or I bracing if indicated.

BEARING

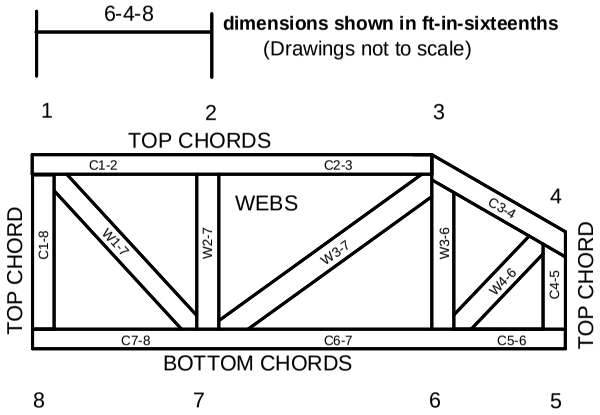


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988
ER-3907, ESR-2362, ESR-1397, ESR-3282

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TPI 1 section 6.3 These truss designs rely on lumber values established by others.

MiTek
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MiTek Engineering Reference Sheet: MII-7473 rev. 5/19/2020

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.