ENGINEERING BY
TRENCO
A MiTek Affiliate

Trenco
818 Soundside Rd
Edenton, NC 27932

Re: B0318-0839
Venture A

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Comtech, Inc - Fayetteville.

Pages or sheets covered by this seal: E11511010 thru E11511049

My license renewal date for the state of North Carolina is December 31, 2018.

North Carolina COA: C-0844

March 2,2018

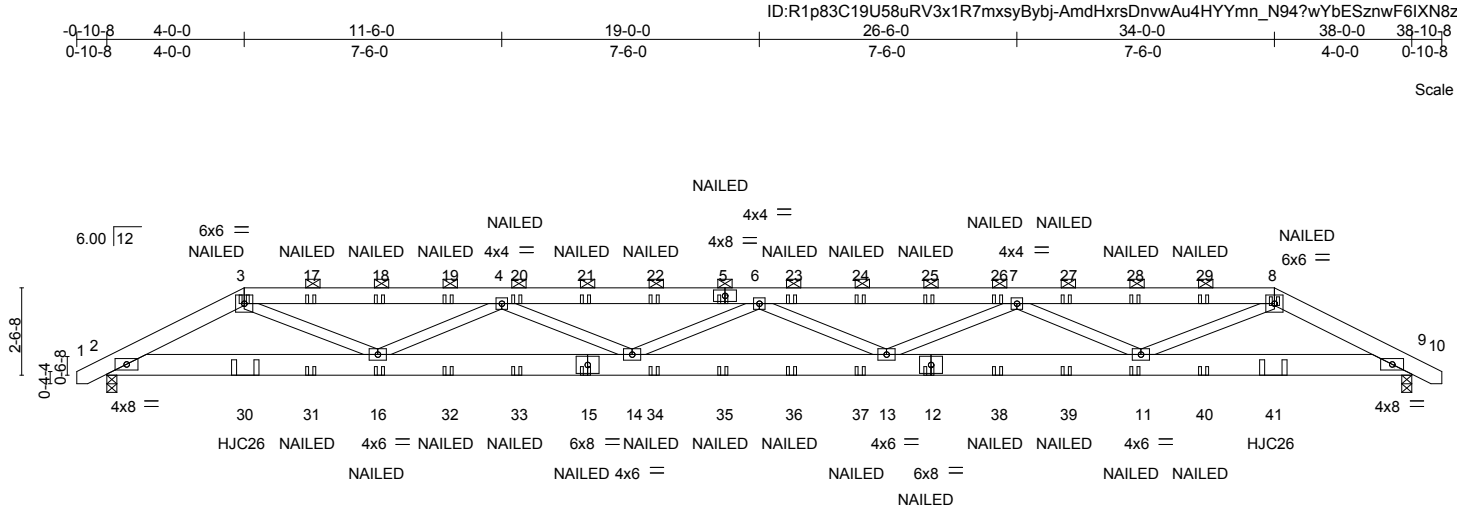
Lassiter, Frank

IMPORTANT NOTE: Truss Engineer's responsibility is solely for design of individual trusses based upon design parameters shown on referenced truss drawings. Parameters have not been verified as appropriate for any use. Any location identification specified is for file reference only and has not been used in preparing design. Suitability of truss designs for any particular building is the responsibility of the building designer, not the Truss Engineer, per ANSI/TPI-1, Chapter 2.

Job	Truss	Truss Type	Qty	Ply	Venture A
B0318-0839	A1	Hip Girder	1	2	E11511010
					Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Fri Mar 2 12:36:27 2018 Page 1

ID:R1p83C19U58uRV3x1R7mxsyBybj-AmdHxrsDnvwAu4HYYmn_N94?wYbESznwF6lXN8zeyjI



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	0.18	Vert(LL)	-0.27	13-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.29	Vert(TL)	-0.69	13-14	>659	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.65	Horz(TL)	0.09	9	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	Matrix-S		Wind(LL)	0.31	13-14	>999	240	Weight: 523 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP 2400F 2.0E
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3

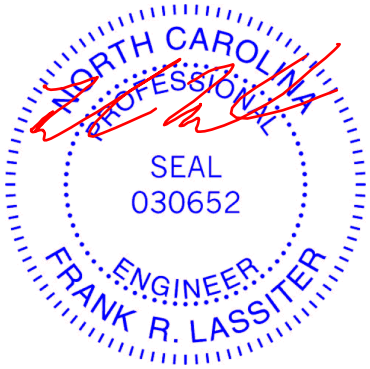
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 3-8.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=2248/0-3-8, 9=2245/0-3-8
Max Horz 2=45(LC 5)
Max Uplift 2=-545(LC 4), 9=-543(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4251/1161, 3-4=-6550/1630, 4-6=-9437/2396, 6-7=-9436/2396, 7-8=-6549/1629, 8-9=-4248/1159
BOT CHORD 2-16=-1021/3767, 14-16=-2305/8537, 13-14=-2662/9990, 11-13=-2281/8537, 9-11=-993/3764
WEBS 3-16=-653/3138, 4-16=-2293/834, 4-14=-73/1068, 6-14=-640/359, 6-13=-641/359, 7-13=-73/1068, 7-11=-2293/835, 8-11=-655/3141

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 0-9-0 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; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); 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 with a clearance greater than 6-0-0 between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 545 lb uplift at joint 2 and 543 lb uplift at joint 9.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Use USP HJC26 (With 16d nails into Girder & 10d nails into Truss) or equivalent spaced at 29-11-4 oc max. starting at 4-0-6 from the left end to 33-11-10 to connect truss(es) to back face of bottom chord.
11) Fill all nail holes where hanger is in contact with lumber.
12) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.

LOAD CASE(S) Standard



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Continued on page 2

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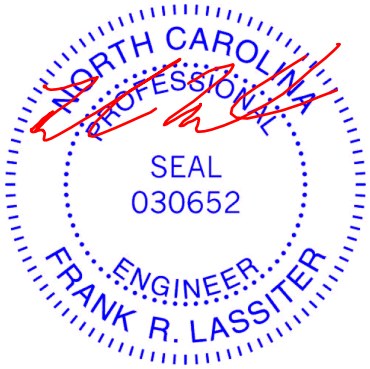
LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-3=-60, 3-8=-60, 8-10=-60, 2-9=-20
   Concentrated Loads (lb)
   Vert: 3=-46(B) 5=-46(B) 8=-46(B) 15=-18(B) 16=-18(B) 11=-18(B) 12=-18(B) 17=-46(B) 18=-46(B) 19=-46(B) 20=-46(B) 21=-46(B) 22=-46(B) 23=-46(B) 24=-46(B) 25=-46(B) 26=-46(B) 27=-46(B) 28=-46(B) 29=-46(B) 30=-197(B) 31=-18(B) 32=-18(B) 33=-18(B) 34=-18(B) 35=-18(B) 36=-18(B) 37=-18(B) 38=-18(B) 39=-18(B) 40=-18(B) 41=-197(B)



March 2,2018

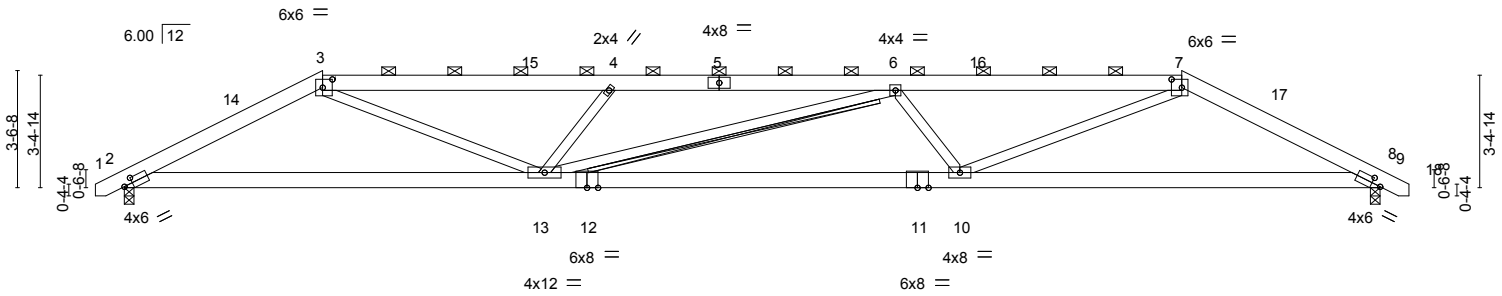
Job	Truss	Truss Type	Qty	Ply	Venture A
B0318-0839	A2	HIP	1	1	E11511011
					Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309 8.130 s Sep 15 2017 MiTek Industries, Inc. Fri Mar 2 12:36:35 2018 Page 1

ID:R1p83C19U58uRV3x1R7mxsyBybj-xl6JdayEvMx1sIu50SwtirPHvnDWKXW55MEzfhzeyjA

-0-10-8	6-0-0	14-8-0	23-4-0	32-0-0	38-0-0	38-10-8
0-10-8	6-0-0	8-8-0	8-8-0	8-8-0	6-0-0	0-10-8

Scale = 1:69.7



12-8-9	25-3-7	38-0-0
12-8-9	12-6-13	12-8-9

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

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	0.57	Vert(LL)	-0.28	10-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.71	Vert(TL)	-0.77	10-13	>588	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.86	Horz(TL)	0.14	8	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	Matrix-S		Wind(LL)	0.26	10-13	>999	240	Weight: 233 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-5-2 oc purlins, except 2-0-0 oc purlins (3-2-5 max.): 3-7.
BOT CHORD	Rigid ceiling directly applied or 6-5-3 oc bracing.
WEBS	T-Brace: 2x4 SPF No.2 - 6-13 Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c.,with 3in minimum end distance. Brace must cover 90% of web length.

REACTIONS. (lb/size) 2=1560/0-3-8, 8=1560/0-3-8
Max Horz 2=-56(LC 8)
Max Uplift 2=-215(LC 6), 8=-215(LC 5)

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

TOP CHORD	2-3=-2812/1054, 3-4=-4255/1405, 4-6=-4696/1686, 6-7=-4311/1430, 7-8=-2808/1055
BOT CHORD	2-13=-808/2462, 10-13=-1472/4680, 8-10=-806/2459
WEBS	3-13=-447/2016, 4-13=-726/458, 6-10=-701/424, 7-10=-473/2073

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 6-0-0, Exterior(2) 6-0-0 to 38-2-11, Interior(1) 38-2-11 to 38-8-10 zone;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 with a clearance greater than 6-0-0 between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 215 lb uplift at joint 2 and 215 lb uplift at joint 8.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
8) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Venture A
B0318-0839	A3	HIP	1	1	E11511012
					Job Reference (optional)

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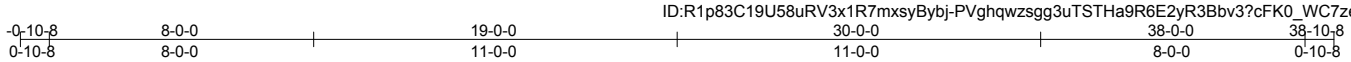

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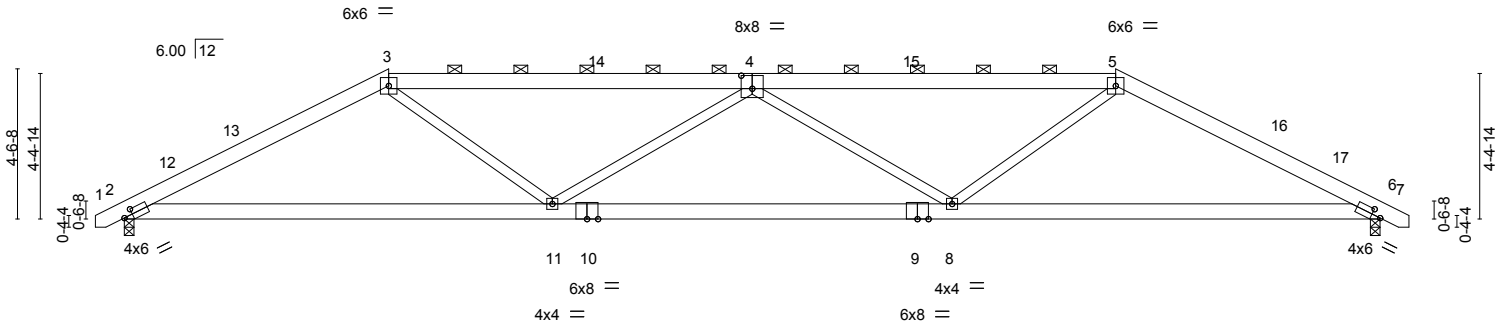


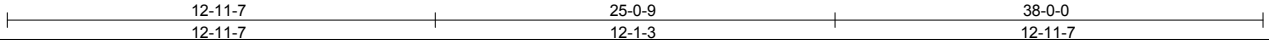


Plate Offsets (X,Y)-- [2:0-3-4,0-2-0], [3:0-0-0,0-0-0], [4:0-4-0,0-4-12], [5:0-0-0,0-0-0], [6:0-3-4,0-2-0]

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	0.60	Vert(LL)	-0.19	6-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.64	Vert(TL)	-0.56	6-8	>802	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(TL)	0.12	6	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	Matrix-S		Wind(LL)	0.14	8-11	>999	240	Weight: 226 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x4 SP No.3

REACTIONS. (lb/size) 2=1560/0-3-8, 6=1560/0-3-8
Max Horz 2=-71(LC 8)
Max Uplift 2=-186(LC 6), 6=-186(LC 5)

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

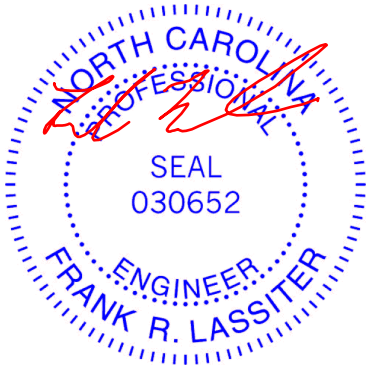
TOP CHORD	2-3=-2709/1002, 3-4=-3163/1098, 4-5=-3163/1098, 5-6=-2709/1002
BOT CHORD	2-11=-759/2352, 8-11=-1215/3752, 6-8=-753/2352
WEBS	3-11=-146/1090, 4-11=-781/447, 4-8=-781/447, 5-8=-146/1090

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-2-15 oc purlins, except 2-0-0 oc purlins (3-7-11 max.): 3-5.
BOT CHORD	Rigid ceiling directly applied or 7-1-2 oc bracing.

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 8-0-0, Exterior(2) 8-0-0 to 36-2-11, Interior(1) 36-2-11 to 38-8-10 zone;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 with a clearance greater than 6-0-0 between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 186 lb uplift at joint 2 and 186 lb uplift at joint 6.
7) 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	Venture A
B0318-0839	A4	HIP	1	1	E11511013
					Job Reference (optional)

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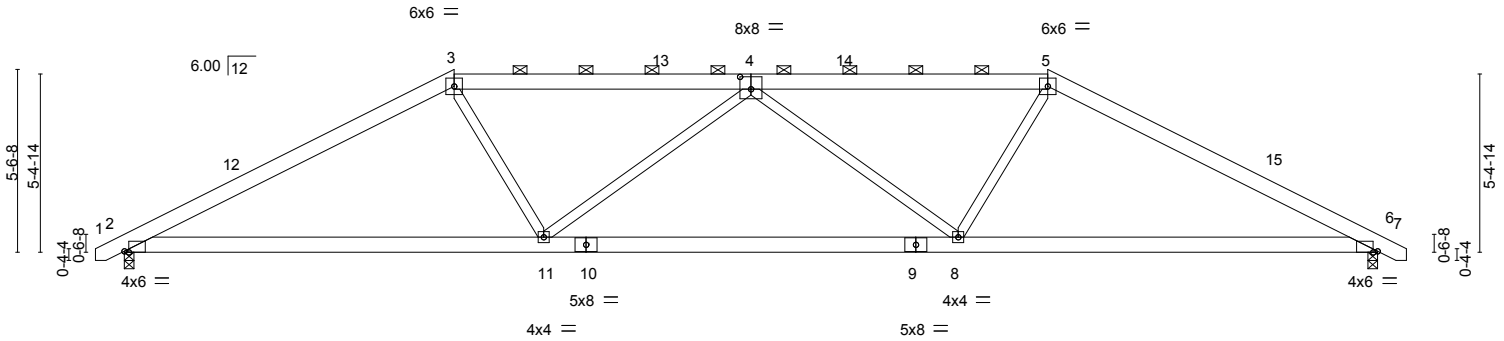
ID:R1p83C19U58uRV3x1R7mxsyBybj-thE32G_VRzBl5c2T8tyLnGUbPaxkoTlOYgj3kZzeyj8

-0-10-8	10-0-0	19-0-0	28-0-0	38-0-0	38-10-8
0-10-8	10-0-0	9-0-0	9-0-0	10-0-0	0-10-8

Scale = 1:69.9



12-8-9	25-3-7	38-0-0
12-8-9	12-6-13	12-8-9

Plate Offsets (X,Y)-- [2:0-1-10,Edge], [3:0-0-0,0-0-0], [4:0-4-0,0-4-8], [5:0-0-0,0-0-0], [6:0-1-10,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	0.69	Vert(LL)	-0.17	6-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.60	Vert(TL)	-0.50	6-8	>904	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.75	Horz(TL)	0.11	6	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	Matrix-S		Wind(LL)	0.12	2-11	>999	240	Weight: 227 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x4 SP No.3

REACTIONS. (lb/size) 2=1560/0-3-8, 6=1560/0-3-8
Max Horz 2=-85(LC 8)
Max Uplift 2=-172(LC 7), 6=-172(LC 8)

BRACING-

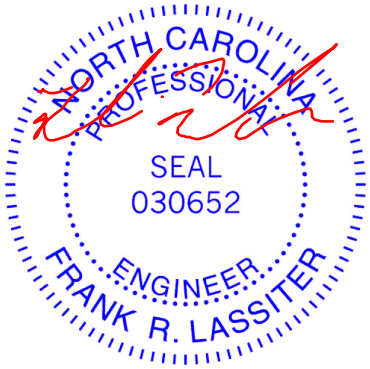
TOP CHORD	Structural wood sheathing directly applied or 3-5-15 oc purlins, except 2-0-0 oc purlins (4-7-5 max.): 3-5.
BOT CHORD	Rigid ceiling directly applied or 8-2-5 oc bracing.

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

TOP CHORD	2-3=-2611/939, 3-4=-2558/975, 4-5=-2558/973, 5-6=-2611/938
BOT CHORD	2-11=-680/2240, 8-11=-909/2936, 6-8=-673/2240
WEBS	3-11=-58/729, 4-11=-599/320, 4-8=-599/320, 5-8=-58/729

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 10-0-0, Exterior(2) 10-0-0 to 34-2-11, Interior(1) 34-2-11 to 38-8-10 zone;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 with a clearance greater than 6-0-0 between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 172 lb uplift at joint 2 and 172 lb uplift at joint 6.
7) 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

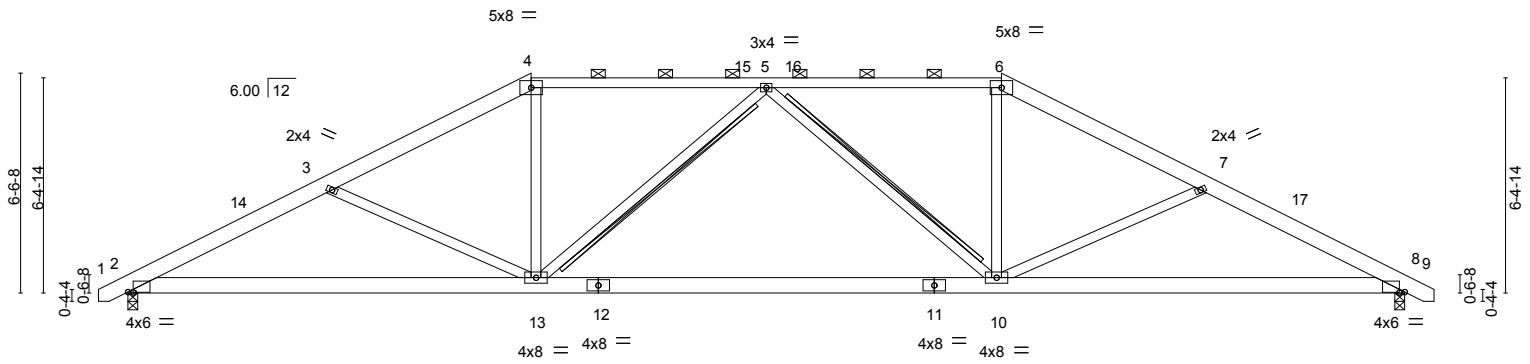
Job	Truss	Truss Type	Qty	Ply	Venture A	E11511014
B0318-0839	A5	HIP	1	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC 28309 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Fri Mar 2 12:36:37 2018 Page 1

ID:R1p83C19U58uRV3x1R7mxsyBybj-thE32G_VRzBl5c2T8tyLnGUdDaxxoZ0OYgj3kZzeyj8

-0-10-8	6-0-14	12-0-0	19-0-0	26-0-0	31-11-2	38-0-0	38-10-8
0-10-8	6-0-14	5-11-2	7-0-0	7-0-0	5-11-2	6-0-14	0-10-8

Scale = 1:68.6



12-0-0	26-0-0	38-0-0
12-0-0	14-0-0	12-0-0

Plate Offsets (X,Y)-- [2:0-1-14,0-0-2], [8:0-1-14,0-0-2]

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)	-0.15	10-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.59	Vert(TL)	-0.46	10-13	>981	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.35	Horz(TL)	0.10	8	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	Matrix-S		Wind(LL)	0.10	10-13	>999	240	Weight: 240 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1 *Except* 4-6: 2x4 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3

BRACING-

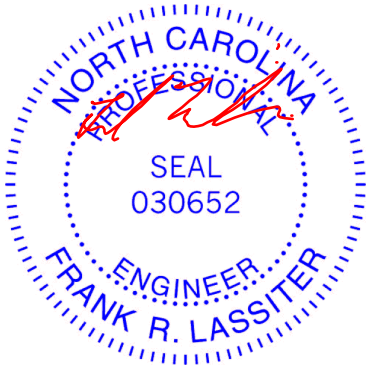
TOP CHORD Structural wood sheathing directly applied or 4-6-0 oc purlins, except 2-0-0 oc purlins (3-9-3 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 8-3-10 oc bracing.
WEBS T-Brace: 2x4 SPF No.2 - 5-13, 5-10
Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c.,with 3in minimum end distance.
Brace must cover 90% of web length.

REACTIONS. (lb/size) 2=1560/0-3-8, 8=1560/0-3-8
Max Horz 2=-100(LC 8)
Max Uplift 2=-190(LC 7), 8=-190(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2792/1078, 3-4=-2416/879, 4-5=-2103/864, 5-6=-2103/864, 6-7=-2416/879, 7-8=-2792/1078
BOT CHORD 2-13=-875/2431, 10-13=-695/2375, 8-10=-871/2431
WEBS 3-13=-387/376, 4-13=-141/689, 5-13=-477/265, 5-10=-477/265, 6-10=-141/689, 7-10=-387/376

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 12-0-0, Exterior(2) 12-0-0 to 32-2-6, Interior(1) 32-2-6 to 38-8-10 zone;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 with a clearance greater than 6-0-0 between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 190 lb uplift at joint 2 and 190 lb uplift at joint 8.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
8) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.



March 2,2018

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

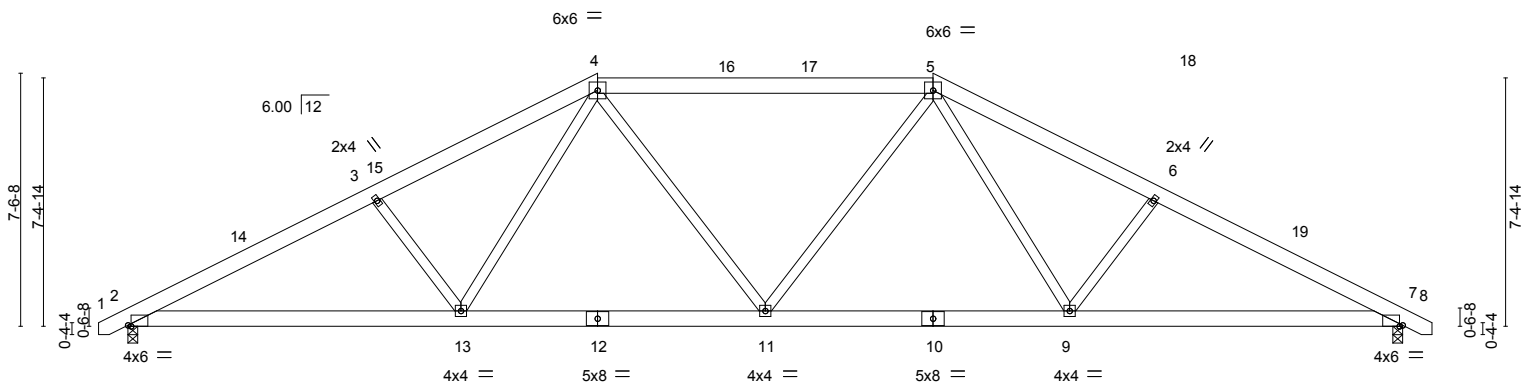
Job	Truss	Truss Type	Qty	Ply	Venture A
B0318-0839	A6	HIP	1	1	E11511015
					Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Fri Mar 2 12:36:38 2018 Page 1

ID:R1p83C19U58uRV3x1R7mxsyBybj-LtoSFc?7CHJcjmdfiaTaKT1m9_HhX1uYnKTdG?zeyj7

-0-10-8	7-5-2	14-0-0	24-0-0	30-6-14	38-0-0	38-10-8
0-10-8	7-5-2	6-6-14	10-0-0	6-6-14	7-5-2	0-10-8

Scale = 1:68.7



9-11-2	19-0-0	28-0-14	38-0-0
9-11-2	9-0-14	9-0-14	9-11-2

Plate Offsets (X,Y)-- [2:0-1-2,Edge], [7:0-1-2,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	0.69	Vert(LL)	-0.20	9-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.62	Vert(TL)	-0.36	9-11	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.31	Horz(TL)	0.12	7	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		Matrix-S		Wind(LL)	0.08	11	>999	240	Weight: 250 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x4 SP No.3

REACTIONS. (lb/size) 2=1923/0-3-8, 7=1923/0-3-8
Max Horz 2=-114(LC 8)
Max Uplift 2=-206(LC 7), 7=-206(LC 8)

BRACING-

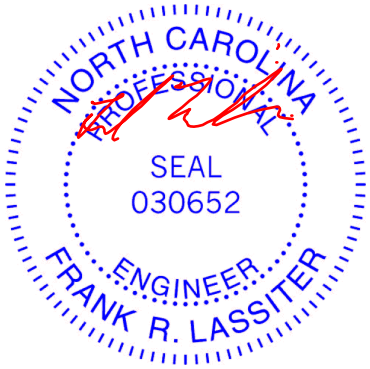
TOP CHORD	Structural wood sheathing directly applied or 3-9-13 oc purlins, except 2-0-0 oc purlins (3-5-13 max.): 4-5.
BOT CHORD	Rigid ceiling directly applied or 8-10-1 oc bracing.

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

TOP CHORD	2-3=-3587/1002, 3-4=-3343/988, 4-5=-2766/829, 5-6=-3343/988, 6-7=-3587/1002
BOT CHORD	2-13=-790/3105, 11-13=-518/2555, 9-11=-515/2555, 7-9=-787/3105
WEBS	3-13=-317/324, 4-13=-167/737, 4-11=-0/492, 5-11=-1/492, 5-9=-167/737, 6-9=-317/324

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 14-0-0, Exterior(2) 14-0-0 to 30-2-11, Interior(1) 30-2-11 to 38-8-10 zone;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 with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 206 lb uplift at joint 2 and 206 lb uplift at joint 7.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



March 2,2018

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A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Venture A	E11511016
B0318-0839	A7	HIP	1	1	Job Reference (optional)	

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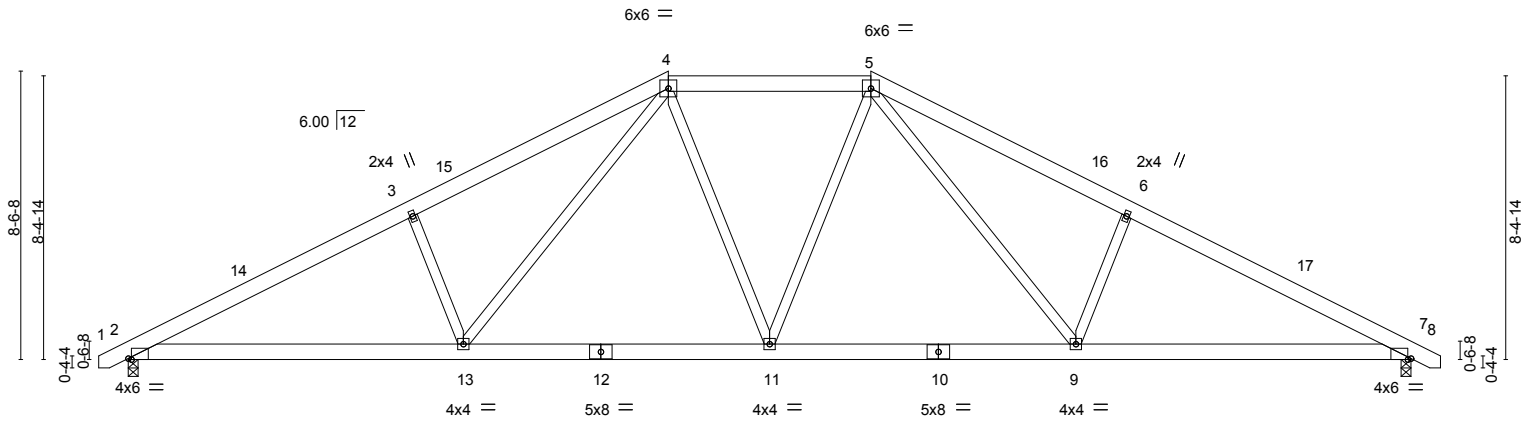
ID:R1p83C19U58uRV3x1R7mxsyBybj-p4MqTy?lybRTKwBsFI_psha0ROd5GPqh0_CApSzeyj6

-0-10-8	8-5-2	16-0-0	22-0-0	29-6-14	38-0-0	38-10-8
0-10-8	8-5-2	7-6-14	6-0-0	7-6-14	8-5-2	0-10-8

Scale = 1:68.3



9-11-2	19-0-0	28-0-14	38-0-0
9-11-2	9-0-14	9-0-14	9-11-2

Plate Offsets (X,Y)-- [2:0-1-2,Edge], [7:0-1-2,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	0.34	Vert(LL)	-0.20	9-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.61	Vert(TL)	-0.36	9-11	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.58	Horz(TL)	0.11	7	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		Matrix-S		Wind(LL)	0.08	11-13	>999	240	Weight: 257 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-9-5 oc purlins, except 2-0-0 oc purlins (4-10-9 max.): 4-5.
BOT CHORD	Rigid ceiling directly applied or 9-1-6 oc bracing.

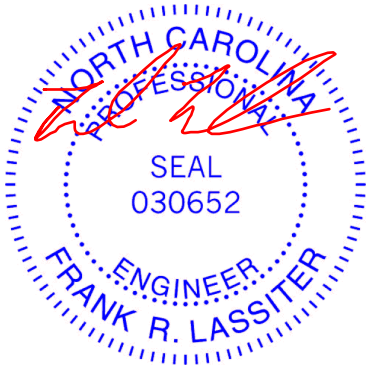
REACTIONS. (lb/size) 2=1923/0-3-8, 7=1923/0-3-8
Max Horz 2=-128(LC 8)
Max Uplift 2=-221(LC 7), 7=-221(LC 8)

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

TOP CHORD	2-3=-3568/957, 3-4=-3388/1039, 4-5=-2468/799, 5-6=-3388/1039, 6-7=-3568/957
BOT CHORD	2-13=-741/3083, 11-13=-425/2356, 9-11=-422/2356, 7-9=-738/3083
WEBS	3-13=-420/383, 4-13=-301/970, 4-11=-20/470, 5-11=-20/470, 5-9=-301/970, 6-9=-420/383

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 16-0-0, Exterior(2) 16-0-0 to 22-0-0, Interior(1) 28-2-11 to 38-8-10 zone;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 with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 221 lb uplift at joint 2 and 221 lb uplift at joint 7.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



March 2,2018

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Venture A
B0318-0839	A8	HIP	1	1	E11511017
					Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Fri Mar 2 12:36:40 2018 Page 1

ID:R1p83C19U58uRV3x1R7mxsyBybj-HGvCgI0NjuZKy4m2p?W2Pu6A?o?R?uwqFeyjLuzeyj5

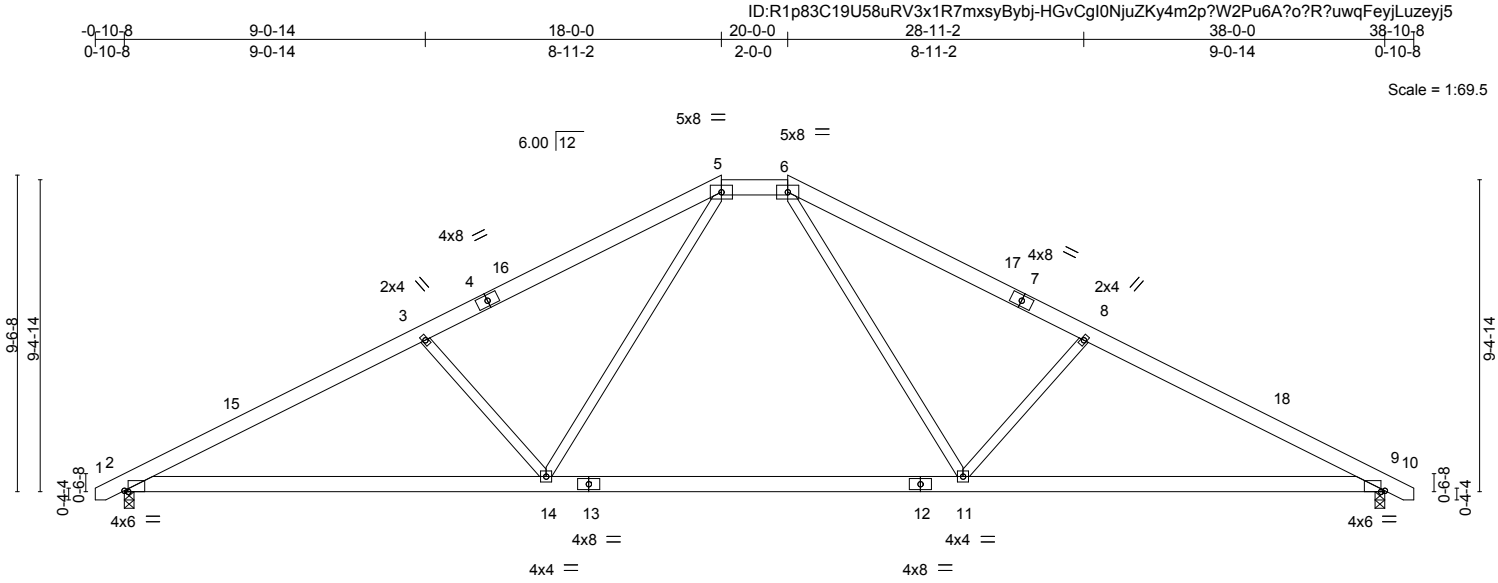


Plate Offsets (X,Y)-- [2:0-1-6,Edge], [9:0-1-6,Edge]

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	0.42	Vert(LL)	-0.40	11-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.41	Vert(TL)	-0.57	11-14	>791	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.46	Horz(TL)	0.08	9	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	Matrix-S		Wind(LL)	0.10	2-14	>999	240	Weight: 239 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SP No.3

BRACING-

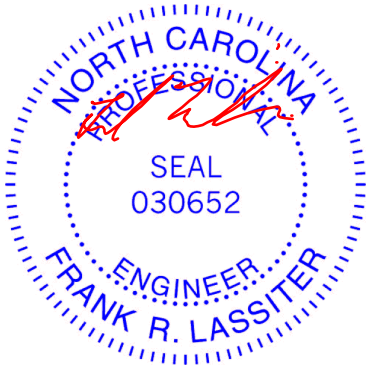
TOP CHORD Structural wood sheathing directly applied or 3-11-10 oc purlins, except
2-0-0 oc purlins (5-5-6 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=1811/0-3-8, 9=1811/0-3-8
Max Horz 2=-142(LC 8)
Max Uplift 2=-234(LC 7), 9=-234(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3304/906, 3-5=-2949/861, 5-6=-1968/757, 6-8=-2949/861, 8-9=-3304/906
BOT CHORD 2-14=-692/2846, 11-14=-300/1968, 9-11=-688/2846
WEBS 3-14=-548/444, 5-14=-208/1119, 6-11=-208/1119, 8-11=-548/444

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 18-0-0, Exterior(2) 18-0-0 to 20-0-0, Interior(1) 26-2-11 to 38-8-10 zone;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 with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 234 lb uplift at joint 2 and 234 lb uplift at joint 9.
7) 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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A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Venture A
B0318-0839	A9	Common	8	1	E11511018
					Job Reference (optional)

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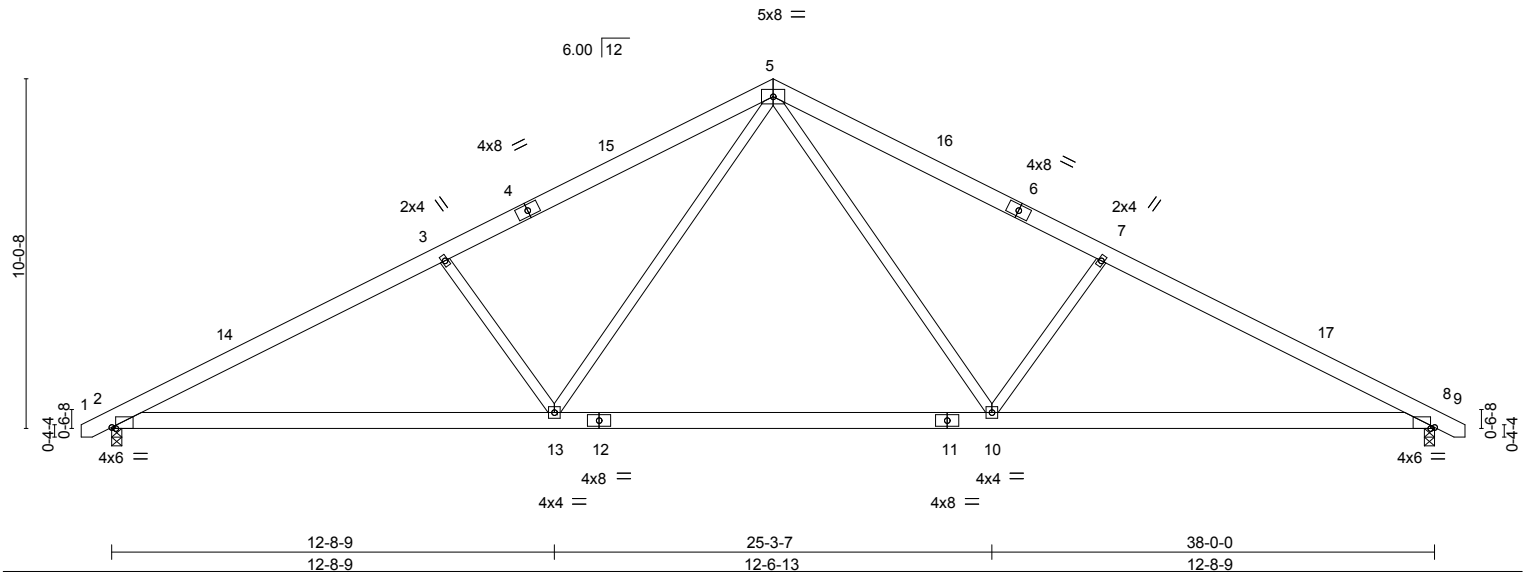
ID:R1p83C19U58uRV3x1R7mxsyBybj-HGvCgI0NjuZKy4m2p?W2Pu6AGo?X?s3qFeyjLuzeyj5

-0-10-8	9-6-14	19-0-0	28-5-2	38-0-0	38-10-8
0-10-8	9-6-14	9-5-2	9-5-2	9-6-14	0-10-8

Scale = 1:66.2



12-8-9	25-3-7	38-0-0
12-8-9	12-6-13	12-8-9

Plate Offsets (X,Y)-- [2:0-1-6,Edge], [8:0-1-6,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	0.40	Vert(LL)	-0.40	10-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.40	Vert(TL)	-0.58	10-13	>780	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.58	Horz(TL)	0.08	8	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	Matrix-S		Wind(LL)	0.08	2-13	>999	240	Weight: 242 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP 2400F 2.0E
WEBS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-11-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

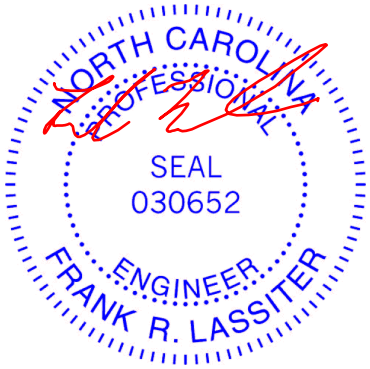
REACTIONS. (lb/size) 2=1811/0-3-8, 8=1811/0-3-8
Max Horz 2=-150(LC 8)
Max Uplift 2=-239(LC 7), 8=-239(LC 8)

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

TOP CHORD	2-3=-3288/835, 3-5=-2963/833, 5-7=-2963/833, 7-8=-3288/835
BOT CHORD	2-13=-584/2828, 10-13=-228/1865, 8-10=-596/2828
WEBS	5-10=-234/1219, 7-10=-554/423, 5-13=-234/1219, 3-13=-554/423

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 19-0-0, Exterior(2) 19-0-0 to 23-4-13 zone;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 with a clearance greater than 6-0-0 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 239 lb uplift at joint 2 and 239 lb uplift at joint 8.



March 2,2018

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Venture A	E11511019
B0318-0839	A9-P	Common	3	1	Job Reference (optional)	

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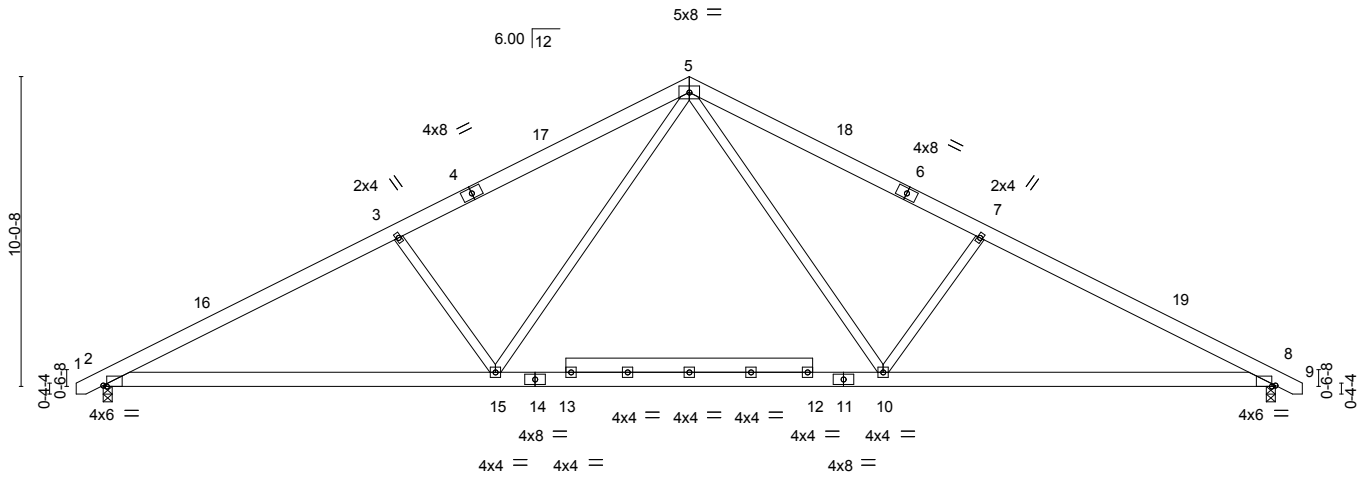
ID:R1p83C19U58uRV3x1R7mxsyBybj-lSTatd1?UChBaDLENi1Hx6fKaCK0kJG_TlhHtKzeyj4

-0-10-8 | 9-6-14 | 19-0-0 | 28-5-2 | 38-0-0 | 38-10-8

0-10-8 | 9-6-14 | 9-5-2 | 9-5-2 | 9-6-14 | 0-10-8

Scale = 1:74.7



12-8-9 | 15-0-0 | 23-0-0 | 25-3-7 | 38-0-0

12-8-9 | 2-3-7 | 8-0-0 | 2-3-7 | 12-8-9

Plate Offsets (X,Y)-- [2:0-1-6,Edge], [8:0-1-6,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	0.43	Vert(LL)	-0.31	10-15	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.45	Vert(TL)	-0.44	10-15	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.59	Horz(TL)	0.08	8	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	Matrix-S		Wind(LL)	0.08	2-15	>999	240	Weight: 261 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except*
12-13: 2x6 SP No.1

BRACING-

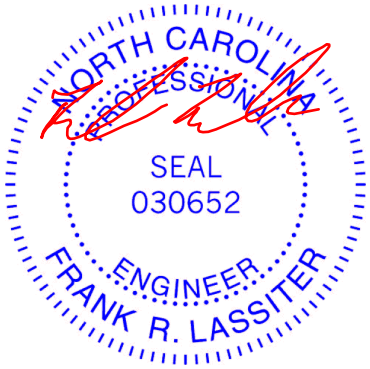
TOP CHORD Structural wood sheathing directly applied or 3-8-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=1937/0-3-8, 8=1937/0-3-8
Max Horz 2=-150(LC 8)
Max Uplift 2=-239(LC 7), 8=-239(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3546/838, 3-5=-3221/836, 5-7=-3221/836, 7-8=-3546/838
BOT CHORD 2-15=-586/3058, 10-15=-230/2020, 8-10=-598/3058
WEBS 5-10=-235/1357, 7-10=-553/423, 5-15=-235/1357, 3-15=-553/423

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 19-0-0, Exterior(2) 19-0-0 to 23-4-13 zone;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 30.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 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 239 lb uplift at joint 2 and 239 lb uplift at joint 8.



March 2,2018

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A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Venture A	E11511020
B0318-0839	A10-P	Common	1	1	Job Reference (optional)	

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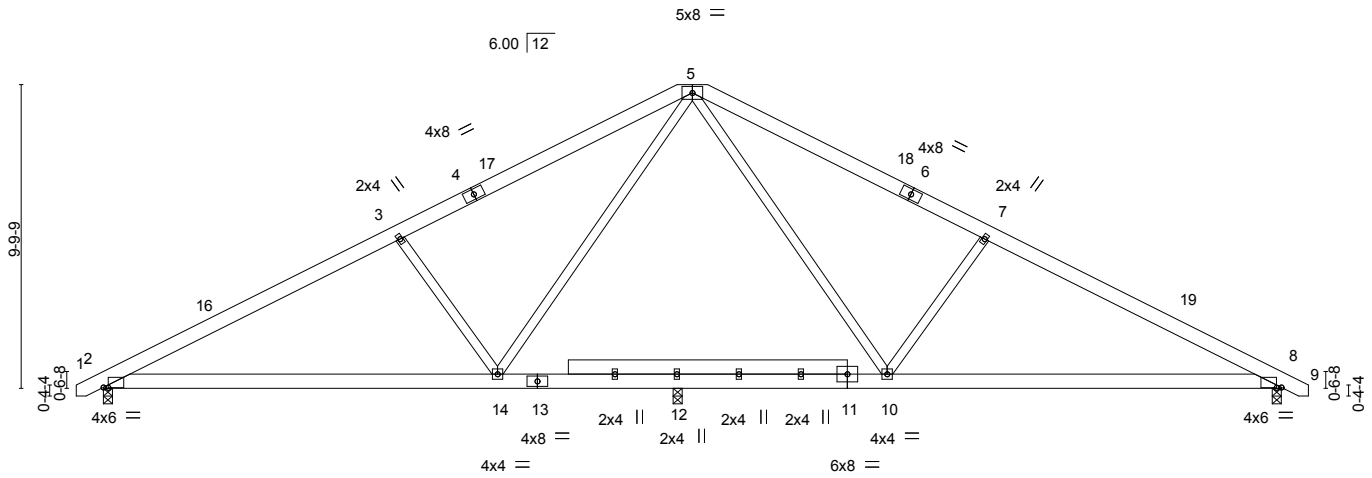
ID:R1p83C19U58uRV3x1R7mxsyBybj-AmdHxrsDnvwAu4HYYmn_N94xIYaQS_ZwF6IXN8zeyjl

-0-10-8	9-6-14	19-0-0	28-5-2	38-0-0	38-10-8
0-10-8	9-6-14	9-5-2	9-5-2	9-6-14	0-10-8

Scale = 1:74.3



12-8-9	15-0-0	18-4-9	25-3-7	38-0-0
12-8-9	2-3-7	3-4-9	6-10-14	12-8-9

Plate Offsets (X,Y)-- [2:0-1-14,0-0-2], [8:0-1-14,0-0-2]

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	0.41	Vert(LL)	-0.16	2-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.34	Vert(TL)	-0.47	2-14	>468	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.60	Horz(TL)	0.07	8	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		Matrix-S		Wind(LL)	0.10	2-14	>999	240	Weight: 263 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP 2400F 2.0E
WEBS	2x4 SP No.3 *Except* 11-15: 2x6 SP No.1

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-2-13 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=1593/0-3-8, 8=1609/0-3-8, 12=672/0-3-8
Max Horz 2=-150(LC 8)
Max Uplift 2=-241(LC 7), 8=-243(LC 8)

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

TOP CHORD	2-3=-2704/831, 3-5=-2400/829, 5-7=-2446/830, 7-8=-2749/832
BOT CHORD	2-14=-610/2336, 12-14=-225/1536, 10-12=-225/1536, 8-10=-608/2376
WEBS	5-10=-241/997, 7-10=-574/450, 5-14=-238/926, 3-14=-577/450

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 19-0-0, Exterior(2) 19-0-0 to 25-2-11 zone;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 30.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 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 241 lb uplift at joint 2 and 243 lb uplift at joint 8.

March 2,2018

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Venture A
B0318-0839	A11-P	HIP	1	1	E11511021
					Job Reference (optional)

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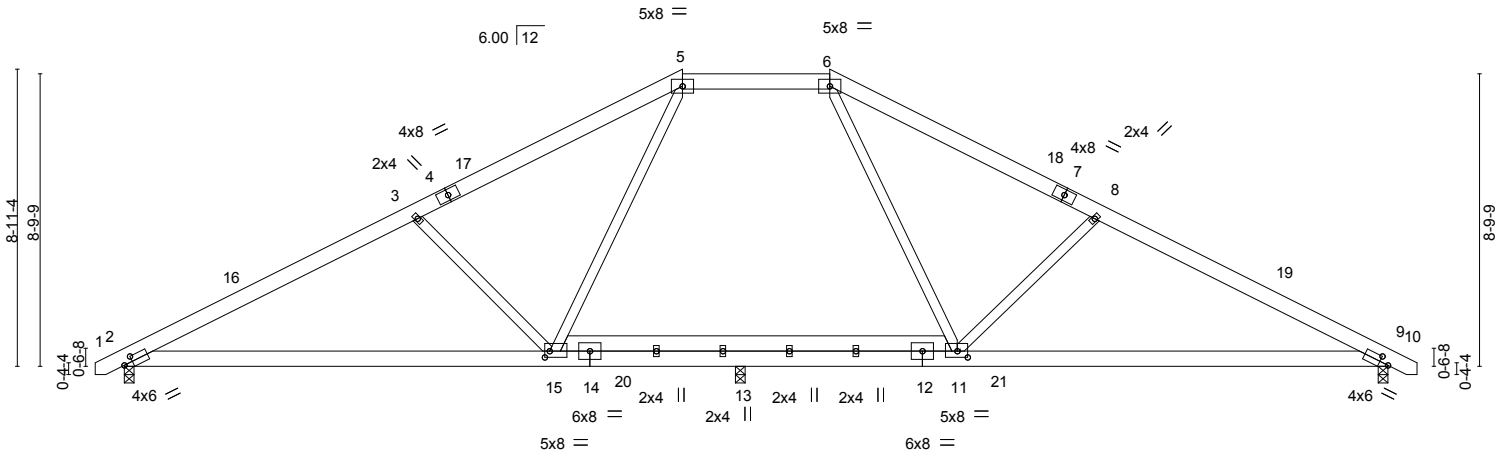
ID:R1p83C19U58uRV3x1R7mxsyBybj-eyBg9BtrYC21WEsk6UIDwMd5xyr3BUJ3Um25wbzeyjH

-0-10-8	8-9-13	16-9-7	21-2-9	29-2-3	38-0-0	38-10-8
0-10-8	8-9-13	7-11-9	4-5-2	7-11-9	8-9-13	0-10-8

Scale = 1:69.3



12-11-7	18-4-9	25-0-9	38-0-0
12-11-7	5-5-2	6-8-1	12-11-7

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

LOADING (psf)		SPACING-	2-1-8	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.49	Vert(LL)	-0.27	9-11	>848	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.70	Vert(TL)	-0.63	9-11	>367	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.44	Horz(TL)	0.09	9	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	Matrix-S		Wind(LL)	0.18	2-15	>999	240	Weight: 263 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x4 SP No.3 *Except* 11-15: 2x6 SP No.1

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-2-1 oc purlins, except 2-0-0 oc purlins (5-10-9 max.): 5-6.
BOT CHORD	Rigid ceiling directly applied or 8-10-5 oc bracing.

REACTIONS. (lb/size) 2=1643/0-3-8, 9=1655/0-3-8, 13=499/0-3-8
Max Horz 2=142(LC 7)
Max Uplift 2=-238(LC 7), 9=-246(LC 8), 13=-5(LC 7)

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

TOP CHORD	2-3=-2795/959, 3-5=-2417/888, 5-6=-1753/814, 6-8=-2436/874, 8-9=-2825/975
BOT CHORD	2-15=-735/2418, 13-15=-353/1753, 11-13=-353/1753, 9-11=-745/2446
WEBS	3-15=-604/467, 5-15=-149/725, 6-11=-153/786, 8-11=-616/468

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 16-9-7, Exterior(2) 16-9-7 to 21-2-9, Interior(1) 27-5-4 to 38-8-10 zone;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 with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 238 lb uplift at joint 2, 246 lb uplift at joint 9 and 5 lb uplift at joint 13.
7) 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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Job	Truss	Truss Type	Qty	Ply	Venture A	E11511022
B0318-0839	A12	ROOF SPECIAL	1	1	Job Reference (optional)	

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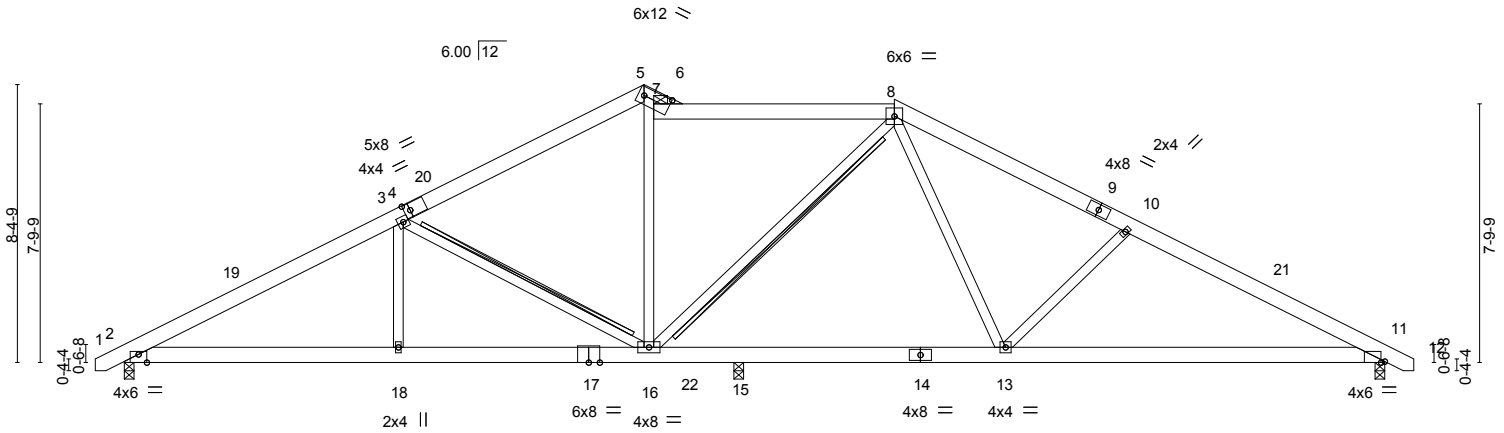
ID:R1p83C19U58uRV3x1R7mxsyBybj-69l2MXuTJWAu8NQxgBpSSa9FWMACwtpDjQneS1zeyjG

-0-10-8	8-3-2	15-8-0	16-6-10	23-2-9	30-2-3	38-0-0	38-10-8
0-10-8	8-3-2	7-4-14	0-10-10	6-7-15	6-11-9	7-9-13	0-10-8

Scale = 1:69.5



8-3-2	15-8-0	18-4-9	26-4-14	38-0-0
8-3-2	7-4-14	2-8-8	8-0-6	11-7-2

Plate Offsets (X,Y)-- [2:0-3-0,Edge], [4:0-2-3,0-2-8], [5:0-9-14,0-3-0], [6:0-3-8,0-1-12], [7:0-1-4,0-2-7], [11:0-1-6,Edge]

LOADING (psf)		SPACING-	2-1-8	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.56	Vert(LL)	-0.15	16-18	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.71	Vert(TL)	-0.42	11-13	>550	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.68	Horz(TL)	0.07	11	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	Matrix-S		Wind(LL)	0.13	16-18	>999	240	Weight: 255 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.1 *Except* 5-6: 2x4 SP No.1
BOT CHORD	2x6 SP No.1 *Except* 14-17: 2x6 SP 2400F 2.0E
WEBS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-7-6 oc purlins, except 2-0-0 oc purlins (5-11-5 max.): 7-8.
BOT CHORD	Rigid ceiling directly applied or 9-11-1 oc bracing.
WEBS	T-Brace: 2x4 SPF No.2 - 3-16, 8-16 Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c.,with 3in minimum end distance. Brace must cover 90% of web length.

REACTIONS. (lb/size) 2=1319/0-3-8, 11=1432/0-3-8, 15=1223/0-3-8
Max Horz 2=-135(LC 8)
Max Uplift 2=-217(LC 7), 11=-255(LC 8), 15=-57(LC 8)

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

TOP CHORD	2-3=-2267/790, 3-5=-1379/617, 5-6=-1056/509, 6-8=-1150/630, 8-10=-2061/725, 10-11=-2393/797
BOT CHORD	2-18=-588/1918, 16-18=-588/1918, 15-16=-282/1462, 13-15=-282/1462, 11-13=-596/2064
WEBS	3-18=0/452, 3-16=-897/428, 7-16=-20/281, 5-7=-175/512, 8-13=-93/748, 10-13=-446/393, 8-16=-577/195

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 15-8-0, Exterior(2) 15-8-0 to 29-5-4, Interior(1) 29-5-4 to 38-8-10 zone;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 30.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 217 lb uplift at joint 2, 255 lb uplift at joint 11 and 57 lb uplift at joint 15.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
8) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

March 2,2018

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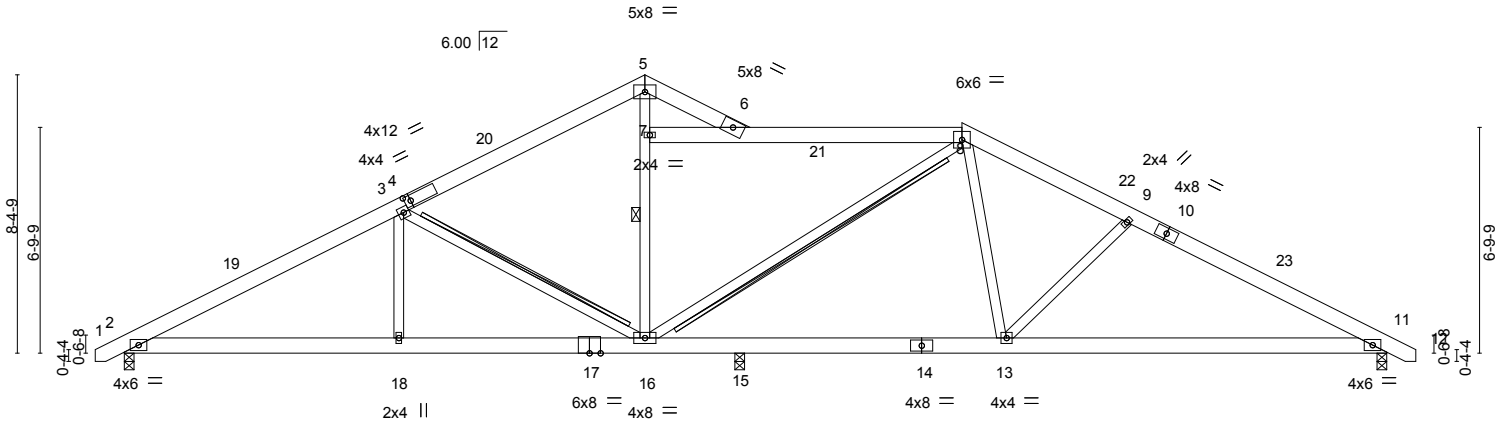
Job	Truss	Truss Type	Qty	Ply	Venture A	E11511023
B0318-0839	A13	ROOF SPECIAL	1	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC 28309 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Fri Mar 2 12:36:30 2018 Page 1

ID:R1p83C19U58uRV3x1R7mxsyBybj-aLJQatu64qJlIX?7EvKh?niL4mUofHFMx4XC_TzeyjF

-0-10-8	8-3-2	15-8-0	18-6-10	25-2-9	30-2-3	38-0-0	38-10-8
0-10-8	8-3-2	7-4-14	2-10-10	6-7-15	4-11-10	7-9-13	0-10-8

Scale = 1:69.4



8-3-2	15-8-0	18-4-9	26-4-14	38-0-0
8-3-2	7-4-14	2-8-8	8-0-6	11-7-2

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

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	0.89	Vert(LL)	-0.21	16-18	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.87	Vert(TL)	-0.49	16-18	>453	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.86	Horz(TL)	0.06	11	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	Matrix-S		Wind(LL)	0.19	16-18	>999	240	Weight: 260 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-2-13 oc purlins, except
	2-0-0 oc purlins (2-8-10 max.): 7-8.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 5-16
	T-Brace: 2x4 SPF No.2 - 3-16, 8-16
	Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c.,with 3in minimum end distance.
	Brace must cover 90% of web length.

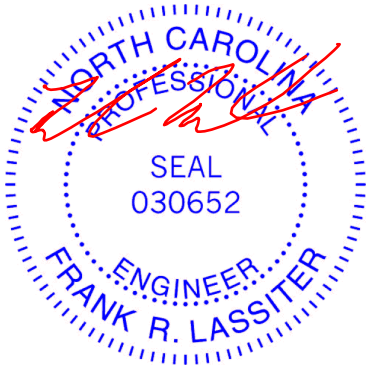
REACTIONS. (lb/size) 2=1124/0-3-8, 11=1146/0-3-8, 15=850/0-3-8
Max Horz 2=126(LC 7)
Max Uplift 2=-182(LC 7), 11=-207(LC 8), 15=-122(LC 8)

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

TOP CHORD	2-3=-1891/573, 3-5=-1026/411, 5-6=-745/334, 6-8=-861/389, 8-9=-1465/523, 9-11=-1754/586
BOT CHORD	2-18=-369/1588, 16-18=-369/1588, 15-16=-210/1210, 13-15=-210/1210, 11-13=-408/1497
WEBS	3-18=0/460, 3-16=-864/384, 5-7=-9/332, 8-13=0/424, 9-13=-341/283, 8-16=-538/228

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 15-8-0, Exterior(2) 15-8-0 to 29-7-6, Interior(1) 29-7-6 to 38-8-10 zone;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 with a clearance greater than 6-0-0 between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 182 lb uplift at joint 2, 207 lb uplift at joint 11 and 122 lb uplift at joint 15.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
8) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.



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818 Soundside Road
Edenton, NC 27932

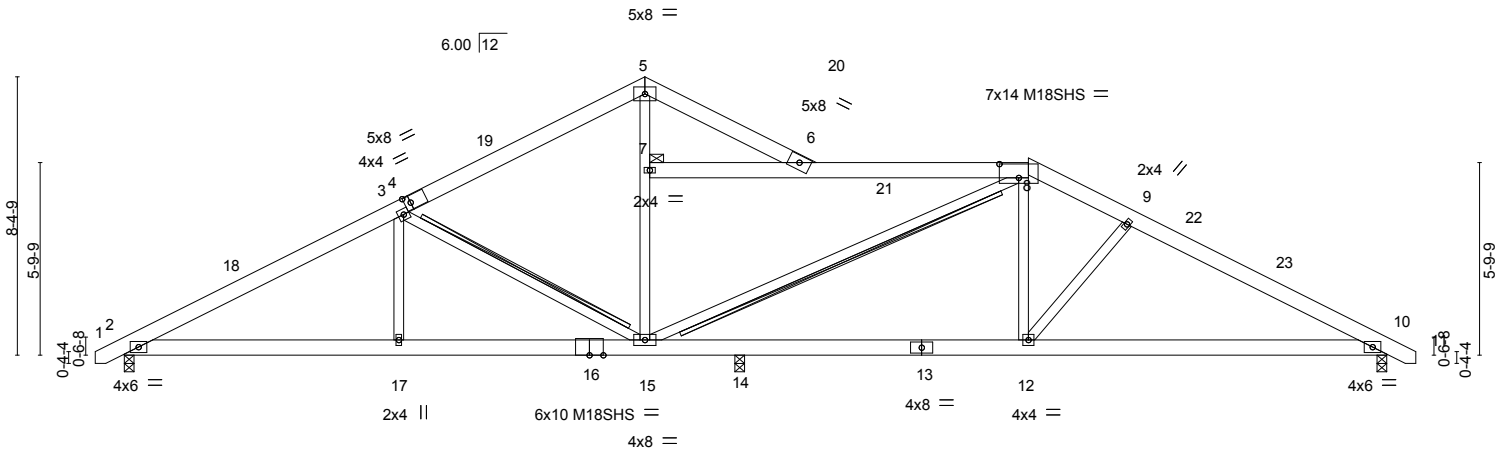
Job	Truss	Truss Type	Qty	Ply	Venture A
B0318-0839	A14	ROOF SPECIAL	1	1	E11511024
					Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Fri Mar 2 12:36:31 2018 Page 1

ID:R1p83C19U58uRV3x1R7mxsyBybj-2XtonDvkr7RcNhaJncrwX?EV6AoeOk0WAkGlWvzeyjE

-0-10-8	8-3-2	15-8-0	20-6-10	27-2-9	30-2-3	38-0-0	38-10-8
0-10-8	8-3-2	7-4-14	4-10-10	6-7-15	2-11-10	7-9-13	0-10-8

Scale = 1:69.4



8-3-2	15-8-0	18-4-9	26-4-14	27-2-9	38-0-0
8-3-2	7-4-14	2-8-8	8-0-6	0-9-11	10-9-7

Plate Offsets (X,Y)-- [4:0-2-3,0-2-8], [8:0-7-0,0-5-0]

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	0.94	Vert(LL)	-0.28	15-17	>787	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.96	Vert(TL)	-0.62	15-17	>354	240	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.83	Horz(TL)	0.05	10	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		Matrix-S		Wind(LL)	0.26	15-17	>844	240	Weight: 264 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1 *Except*
13-16: 2x6 SP 2400F 2.0E
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-11-1 oc purlins, except
2-0-0 oc purlins (2-2-0 max.): 7-8.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 15-17.
WEBS T-Brace: 2x4 SPF No.2 - 3-15, 8-15
Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c.,with 3in minimum end distance.
Brace must cover 90% of web length.
JOINTS 1 Brace at Jt(s): 7

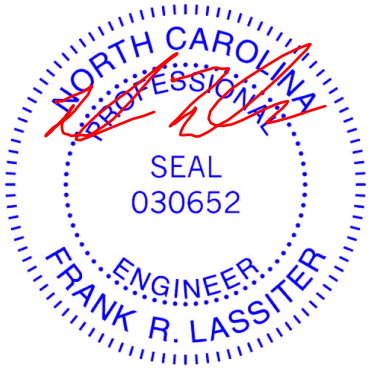
REACTIONS. (lb/size) 2=945/0-3-8, 10=975/0-3-8, 14=1200/0-3-8
Max Horz 2=-126(LC 8)
Max Uplift 2=-153(LC 7), 10=-163(LC 8), 14=-213(LC 8)

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

TOP CHORD 2-3=-1531/406, 3-5=-571/191, 5-6=-407/144, 6-8=-454/143, 8-9=-1139/376, 9-10=-1374/408
BOT CHORD 2-17=-214/1268, 15-17=-214/1268, 14-15=-110/1044, 12-14=-110/1044, 10-12=-251/1161
WEBS 3-17=-41/502, 3-15=-969/440, 7-15=-267/263, 8-15=-748/325, 8-12=0/332

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 15-8-0, Exterior(2) 15-8-0 to 20-0-13, Interior(1) 20-9-5 to 38-8-10 zone;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) All plates are MT20 plates unless otherwise indicated.
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 with a clearance greater than 6-0-0 between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 153 lb uplift at joint 2, 163 lb uplift at joint 10 and 213 lb uplift at joint 14.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.



March 2,2018

ENGINEERING BY TRENCO
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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Venture A	
B0318-0839	A15	ROOF SPECIAL	1	1	Job Reference (optional)	E11511025

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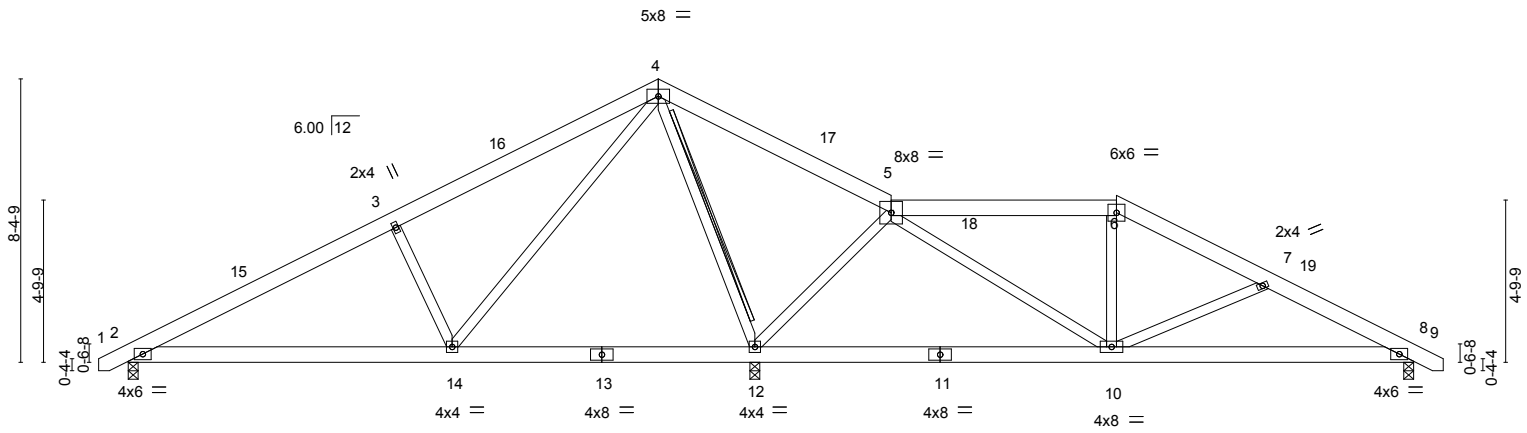
ID:R1p83C19U58uRV3x1R7mxsyBybj-WkRA?YwMcRZT?r9WLJM94CnrXZJ57FVfPO0I3MzeyjD

-0-10-8	7-10-14	15-8-0	22-6-10	29-2-9	33-6-6	38-0-0	38-10-8
0-10-8	7-10-14	7-9-2	6-10-10	6-7-15	4-3-13	4-5-10	0-10-8

Scale = 1:68.1



9-6-14	18-6-5	29-2-9	38-0-0
9-6-14	8-11-6	10-8-5	8-9-7

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

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	0.26	Vert(LL)	-0.11	12-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.31	Vert(TL)	-0.15	2-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.56	Horz(TL)	0.02	8	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	Matrix-S		Wind(LL)	0.03	2-14	>999	240	Weight: 256 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	T-Brace: 2x4 SPF No.2 - 4-12 Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c.,with 3in minimum end distance. Brace must cover 90% of web length.

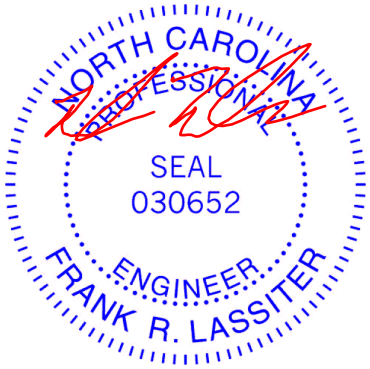
REACTIONS. (lb/size) 2=703/0-3-8, 12=2114/0-3-8, 8=662/0-3-8
Max Horz 2=-126(LC 8)
Max Uplift 2=-144(LC 7), 12=-205(LC 8), 8=-166(LC 8)
Max Grav 2=745(LC 11), 12=2114(LC 1), 8=685(LC 12)

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

TOP CHORD	2-3=-1057/264, 3-4=-870/324, 4-5=-69/616, 5-6=-601/304, 6-7=-729/278, 7-8=-1005/422
BOT CHORD	2-14=-167/861, 8-10=-308/857
WEBS	3-14=-467/361, 4-14=-276/1039, 4-12=-1249/404, 5-12=-755/448, 5-10=-162/638, 7-10=-283/267

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 15-8-0, Exterior(2) 15-8-0 to 20-0-13, Interior(1) 22-6-10 to 38-8-10 zone;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 with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 144 lb uplift at joint 2, 205 lb uplift at joint 12 and 166 lb uplift at joint 8.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
8) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.



March 2,2018

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Venture A	E11511026
B0318-0839	A16	ROOF SPECIAL	1	1	Job Reference (optional)	

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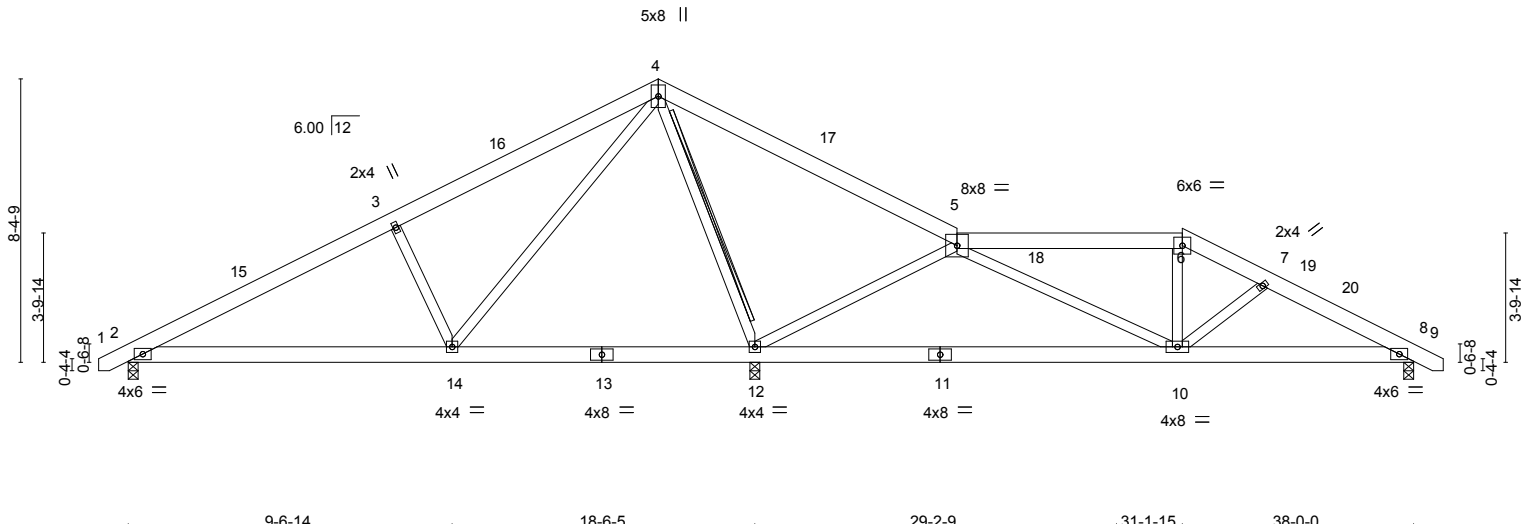
ID:R1p83C19U58uRV3x1R7mxsyBybj-_w_ZCux_NlhKc?kiv1uOdQKz3zessdipe2lsbozeyjC

-0-10-8	7-10-14	15-8-0	24-6-0	31-1-15	33-6-6	38-0-0	38-10-8
0-10-8	7-10-14	7-9-2	8-10-0	6-7-15	2-4-7	4-5-10	0-10-8

Scale = 1:68.1



9-6-14	18-6-5	29-2-9	31-1-15	38-0-0
9-6-14	8-11-6	10-8-5	1-11-6	6-10-1

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

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	10-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.34	Vert(TL)	-0.29	10-12	>813	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.88	Horz(TL)	0.02	8	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	Matrix-S		Wind(LL)	0.03	2-14	>999	240	Weight: 253 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	T-Brace: 2x4 SPF No.2 - 4-12 Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c.,with 3in minimum end distance. Brace must cover 90% of web length.

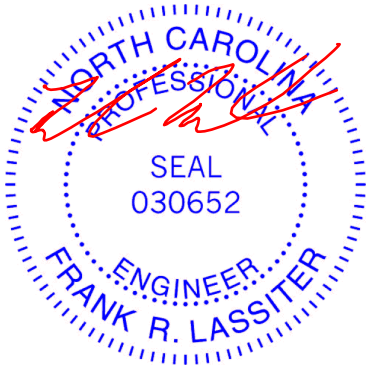
REACTIONS. (lb/size) 2=678/0-3-8, 12=2161/0-3-8, 8=639/0-3-8
Max Horz 2=-126(LC 8)
Max Uplift 2=-143(LC 7), 12=-220(LC 8), 8=-159(LC 8)
Max Grav 2=738(LC 11), 12=2161(LC 1), 8=659(LC 12)

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

TOP CHORD	2-3=-1039/243, 3-4=-852/302, 4-5=-152/729, 5-6=-719/294, 6-7=-820/295, 7-8=-992/361
BOT CHORD	2-14=-166/844, 12-14=-137/258, 10-12=-46/315, 8-10=-248/824
WEBS	3-14=-465/354, 4-14=-276/1027, 4-12=-1371/492, 5-12=-926/539, 5-10=-54/562

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 15-8-0, Exterior(2) 15-8-0 to 20-0-13, Interior(1) 24-6-0 to 38-8-10 zone;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 with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 143 lb uplift at joint 2, 220 lb uplift at joint 12 and 159 lb uplift at joint 8.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
8) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.



March 2,2018

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818 Soundside Road
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Job	Truss	Truss Type	Qty	Ply	Venture A	E11511027
B0318-0839	A17	GABLE	1	1	Job Reference (optional)	

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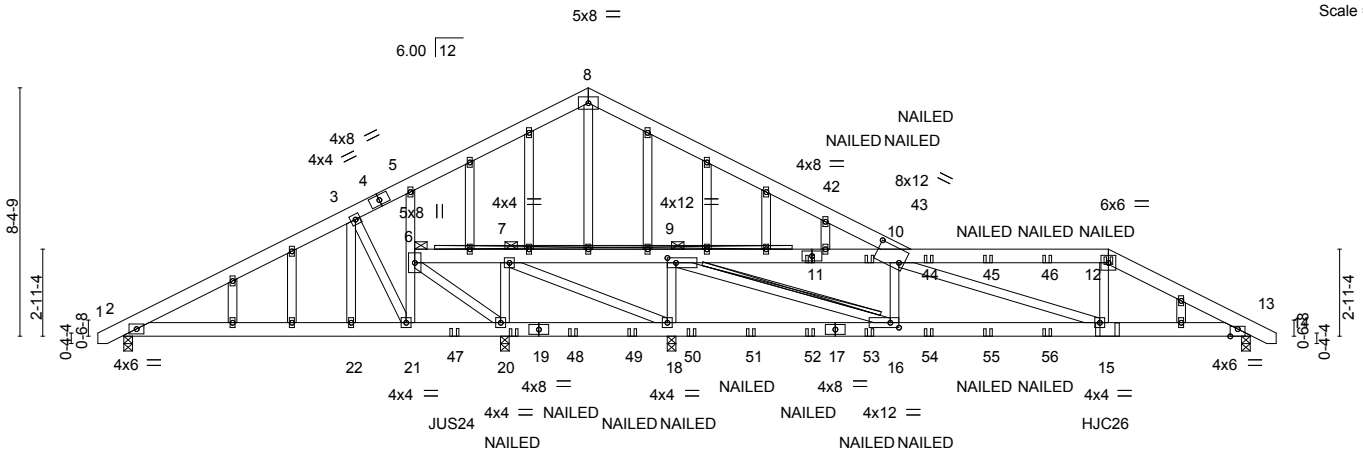
ID:R1p83C19U58uRV3x1R7mxsyBybj-S6YxPExc82pBE9JuTkPd9ds5KNx5b4TysiVP7EzeyjB

-0-10-8	8-0-14	12-10-5	15-8-0	18-5-12	21-1-5	26-6-10	33-2-9	38-0-0	38-10-8
0-10-8	8-0-14	4-9-6	2-9-12	2-9-12	2-7-9	5-5-5	6-7-15	4-9-7	0-10-8

Scale = 1:77.7



6-8-1	12-10-4	12-10-5	18-5-12	28-0-0	33-2-9	38-0-0
6-8-1	6-2-3	0-0-1	5-7-7	9-6-4	5-2-9	4-9-7

Plate Offsets (X,Y)-- [9:0-3-8,0-2-0], [10:0-10-0,0-5-4], [13:0-3-0,Edge], [16:0-3-8,0-2-0]

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	0.62	Vert(LL)	-0.10	16	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.47	Vert(TL)	-0.24	15-16	>968	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.85	Horz(TL)	0.03	13	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	Matrix-S		Wind(LL)	0.13	15-16	>999	240	Weight: 335 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x4 SP No.3 *Except* 9-16: 2x4 SP No.2
OTHERS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-11-14 oc purlins, except 2-0-0 oc purlins (4-8-14 max.): 6-12. Except: T-Brace: 2x4 SPF No.2 - 9-10
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	T-Brace: 2x4 SPF No.2 - 9-16 Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c.,with 3in minimum end distance. Brace must cover 90% of web length.
JOINTS	1 Brace at Jt(s): 9, 7, 6

REACTIONS. All bearings 0-3-8.

(lb) - Max Horz 2=-148(LC 14)

Max Uplift All uplift 100 lb or less at joint(s) except 2=-245(LC 5), 18=-670(LC 6), 13=-533(LC 6), 20=-618(LC 5)

Max Grav All reactions 250 lb or less at joint(s) except 2=664(LC 1), 18=1858(LC 10), 13=1317(LC 1), 20=1372(LC 9)

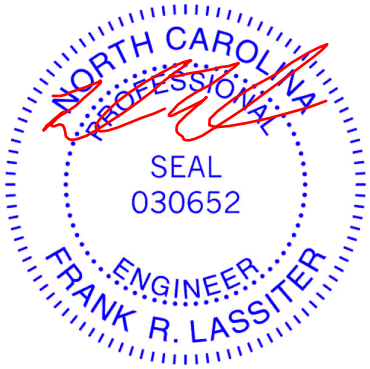
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-3=-867/324, 3-5=-593/366, 5-8=-627/424, 8-10=-765/353, 6-7=-500/1012, 7-9=-403/1130, 9-10=-2207/983, 10-12=-2147/839, 12-13=-2444/875
BOT CHORD	2-22=-198/687, 21-22=-198/687, 20-21=-76/495, 18-20=-695/435, 16-18=-636/362, 15-16=-955/2636, 13-15=-673/2111
WEBS	12-15=-76/601, 10-15=-519/294, 10-16=-853/584, 9-16=-1387/3445, 9-18=-1144/473, 7-18=-309/98, 6-21=-251/592, 3-22=0/297, 6-20=-1284/647, 3-21=-446/300

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; 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 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 with a clearance greater than 6-0-0 between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 245 lb uplift at joint 2, 670 lb uplift at joint 18, 533 lb uplift at joint 13 and 618 lb uplift at joint 20.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Continued on page 2



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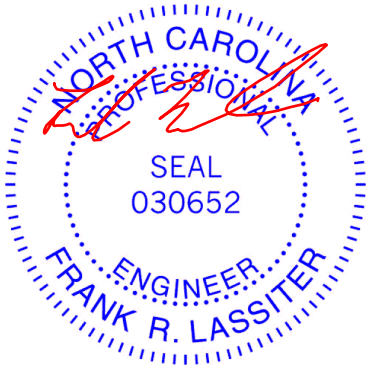
NOTES-

11) Use USP JUS24 (With 10d nails into Girder & 10d nails into Truss) or equivalent at 11-1-13 from the left end to connect truss(es) to front face of bottom chord.
12) Use USP HJC26 (With 16d nails into Girder & 10d nails into Truss) or equivalent at 33-2-3 from the left end to connect truss(es) to front face of bottom chord.
13) Fill all nail holes where hanger is in contact with lumber.
14) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
15) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
16) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-8=-60, 8-10=-60, 10-12=-60, 12-14=-60, 2-13=-20
   Concentrated Loads (lb)
   Vert: 12=-70(F) 15=-251(F) 20=-136(F) 42=-70(F) 43=-70(F) 44=-70(F) 45=-70(F) 46=-70(F) 47=-441(F) 48=-136(F) 49=-136(F) 50=-136(F) 51=-136(F) 52=-26(F) 53=-26(F) 54=-26(F) 55=-26(F) 56=-26(F)



March 2,2018

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Venture A
B0318-0839	B1	COMMON SUPPORTED GAB	1	1	E11511028
					Job Reference (optional)

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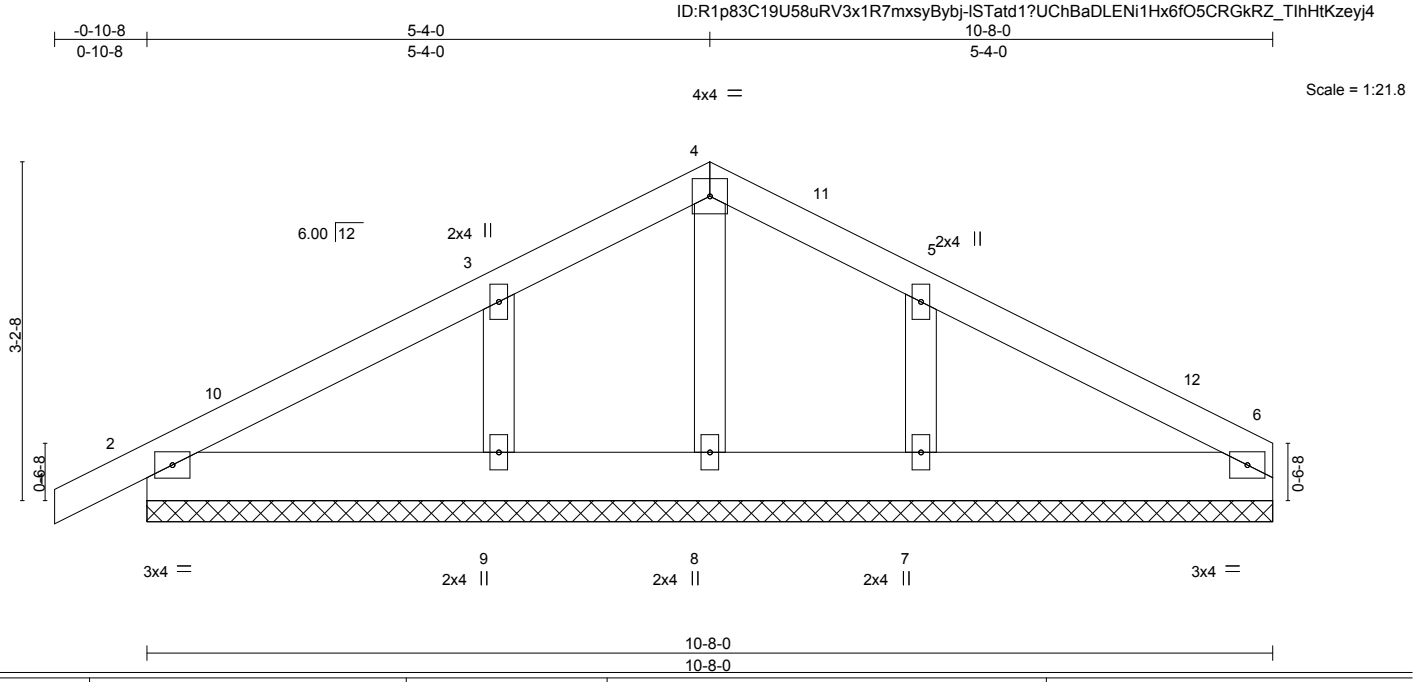
ID:R1p83C19U58uRV3x1R7mxsyBybj-lSTatd1?UChBaDLENi1Hx6fO5CRGkRZ_TlhHtKzeyj4



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)	-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	0.12	Horz(TL)	0.00	6	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		Matrix-S							Weight: 53 lb	FT = 20%

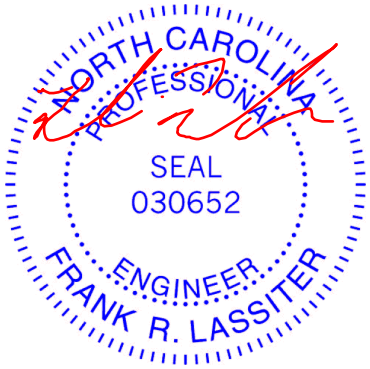
LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x6 SP No.1
OTHERS 2x4 SP No.3

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 10-8-0.
(lb) - Max Horz 2=70(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) 6, 2 except 9=-149(LC 7), 7=-165(LC 8)
Max Grav All reactions 250 lb or less at joint(s) 6, 2, 8 except 9=268(LC 1), 7=281(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-9=-182/375, 5-7=-195/398

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Corner(3) -0-10-8 to 3-4-0, Exterior(2) 3-4-0 to 5-4-0, Corner(3) 5-4-0 to 9-8-13 zone;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 with a clearance greater than 6-0-0 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) 6, 2 except (jt=lb) 9=149, 7=165.



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Job	Truss	Truss Type	Qty	Ply	Venture A
B0318-0839	B2	Common	1	1	E11511029
					Job Reference (optional)

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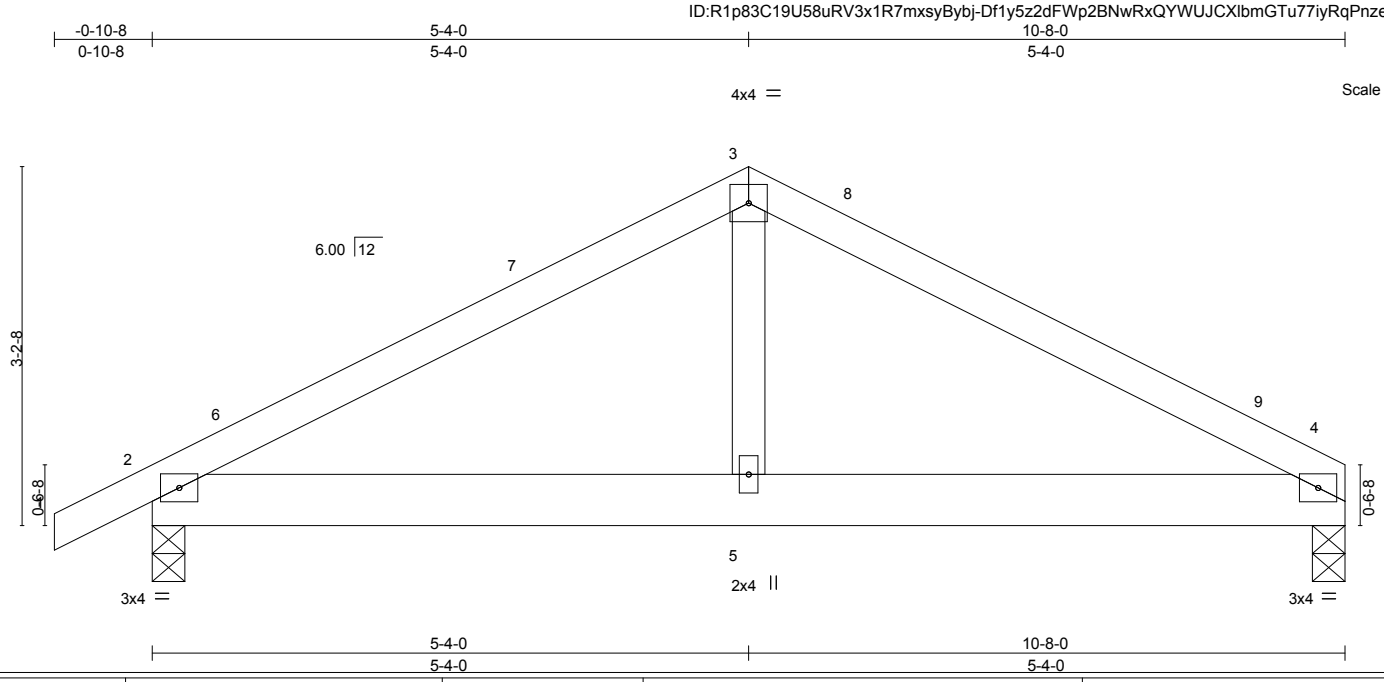


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.27	Vert(LL)	-0.01	2-5	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(TL)	-0.02	2-5	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(TL)	0.01	4	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		Matrix-S		Wind(LL)	0.01	2-5	>999	240	Weight: 48 lb	FT = 20%

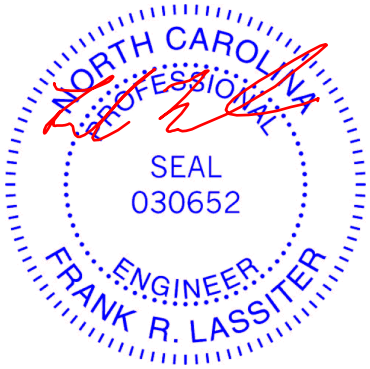
LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3

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. (lb/size) 4=412/0-3-8, 2=479/0-3-8
Max Horz 2=58(LC 7)
Max Uplift 4=-53(LC 8), 2=-106(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-572/294, 3-4=-567/299
BOT CHORD 2-5=-151/434, 4-5=-151/434
WEBS 3-5=0/260

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) -0-10-8 to 3-6-5, Interior(1) 3-6-5 to 5-4-0, Exterior(2) 5-4-0 to 9-8-13 zone;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 with a clearance greater than 6-0-0 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) 4 except (jt=lb) 2=106.



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Job	Truss	Truss Type	Qty	Ply	Venture A
B0318-0839	B3	Common	1	1	E11511030
					Job Reference (optional)

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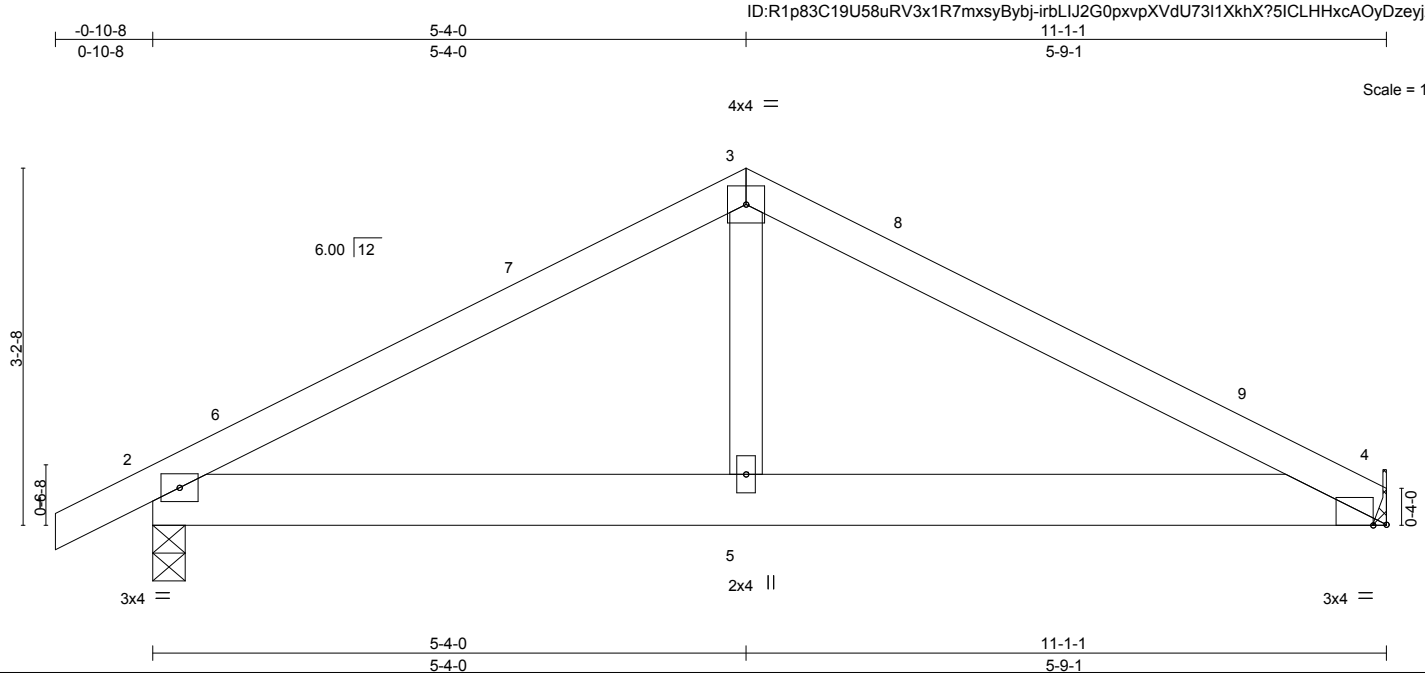

Plate Offsets (X,Y)-- [4:0-1-7,Edge]

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	0.33	Vert(LL)	-0.01	4-5	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.14	Vert(TL)	-0.03	4-5	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(TL)	0.01	4	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	Matrix-S		Wind(LL)	0.01	2-5	>999	240	Weight: 50 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 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. (lb/size) 4=432/Mechanical, 2=499/0-3-8
Max Horz 2=58(LC 7)
Max Uplift 4=-58(LC 8), 2=-107(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-620/301, 3-4=-608/307
BOT CHORD 2-5=-164/478, 4-5=-164/478
WEBS 3-5=0/273

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) -0-10-8 to 3-6-5, Interior(1) 3-6-5 to 5-4-0, Exterior(2) 5-4-0 to 9-8-13 zone;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 with a clearance greater than 6-0-0 between the bottom chord and any other members.
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) 4 except (jt=lb) 2=107.

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Job	Truss	Truss Type	Qty	Ply	Venture A
B0318-0839	CJ06	Diagonal Hip Girder	2	1	E11511031
					Job Reference (optional)

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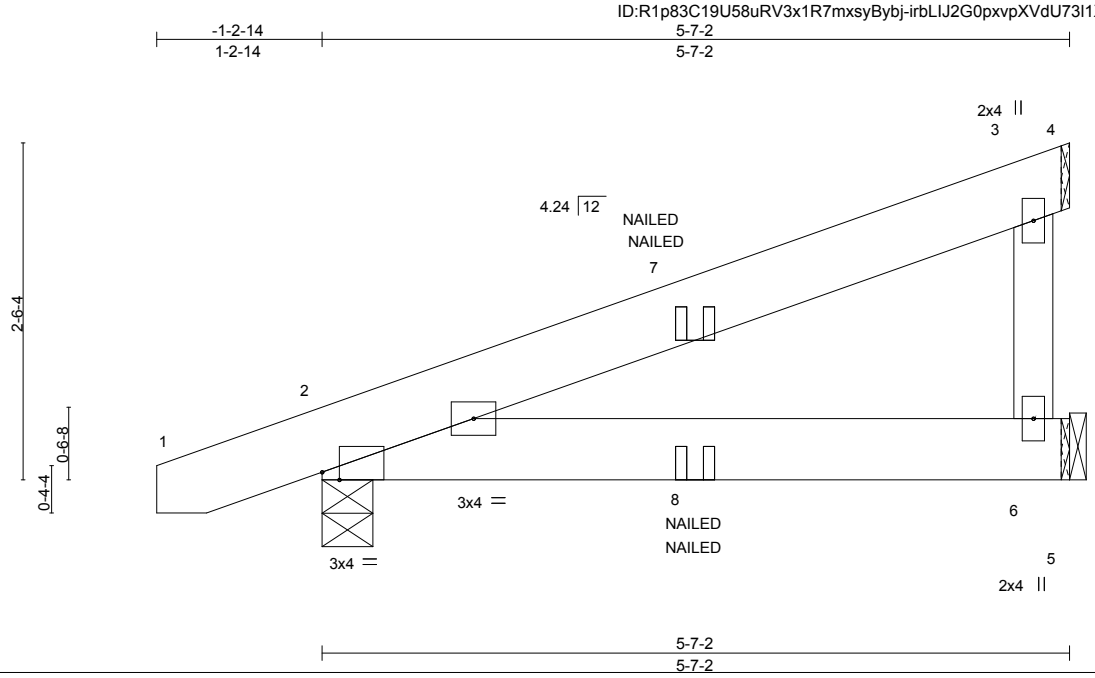


Plate Offsets (X,Y)-- [2:0-1-9,Edge]

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	0.16	Vert(LL)	-0.01	2-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(TL)	-0.02	2-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(TL)	0.00		n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	Matrix-P		Wind(LL)	0.00	2	****	240	Weight: 33 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3

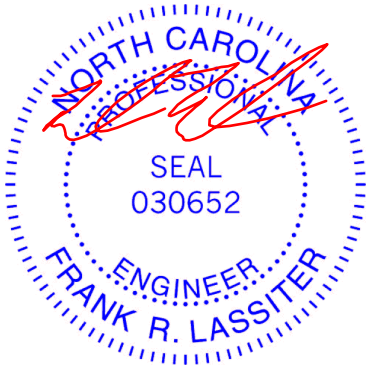
BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-7-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=207/Mechanical, 2=289/0-4-9
Max Horz 2=97(LC 3)
Max Uplift 6=-48(LC 3), 2=-92(LC 3)

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

NOTES-
1) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); 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 with a clearance greater than 6-0-0 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) 6, 2.
6) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-20, 2-5=-20



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Job	Truss	Truss Type	Qty	Ply	Venture A	E11511032
B0318-0839	CJ07	Diagonal Hip Girder	1	1	Job Reference (optional)	

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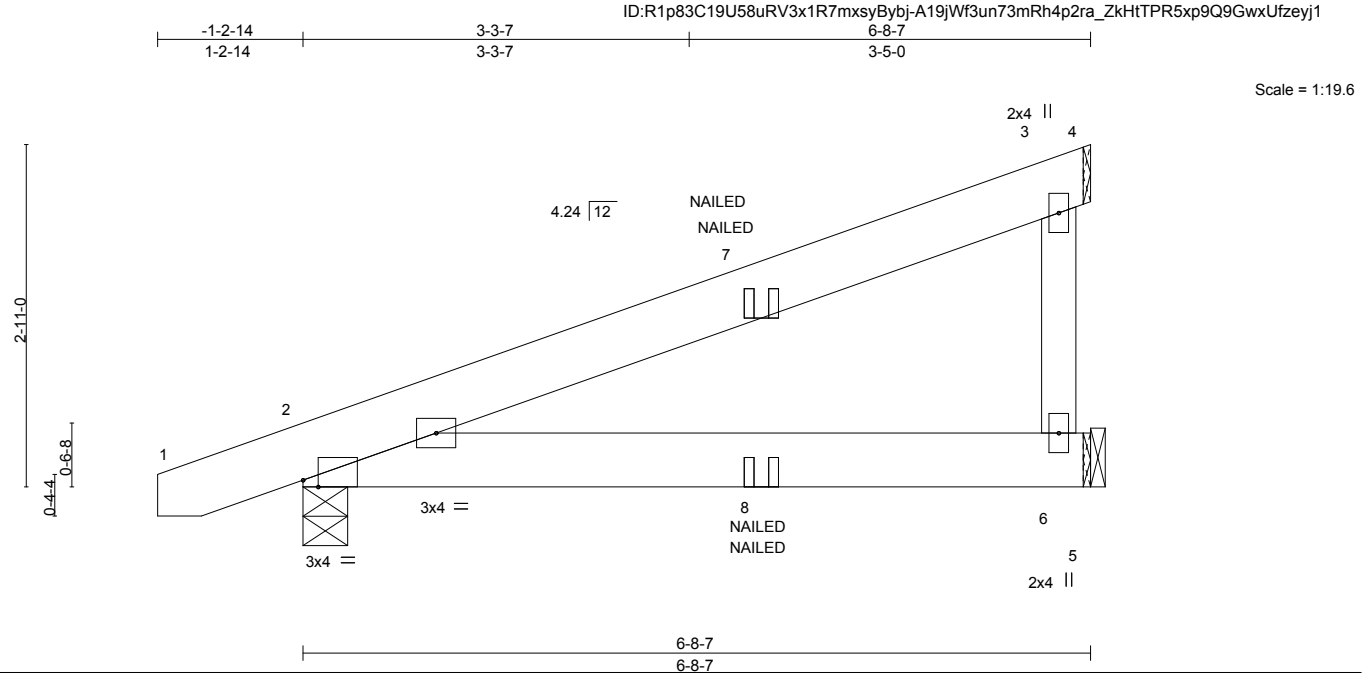

Plate Offsets (X,Y)-- [2:0-1-9,Edge]

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	0.26	Vert(LL)	-0.02	2-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(TL)	-0.05	2-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(TL)	0.00		n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	Matrix-P		Wind(LL)	0.00	2	****	240	Weight: 38 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
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. (lb/size) 6=253/Mechanical, 2=331/0-4-9
Max Horz 2=113(LC 3)
Max Uplift 6=-63(LC 3), 2=-98(LC 3)

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

NOTES-
1) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); 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 with a clearance greater than 6-0-0 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) 6, 2.
6) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-20, 2-5=-20

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Job	Truss	Truss Type	Qty	Ply	Venture A
B0318-0839	G01	COMMON	1	1	E11511033
					Job Reference (optional)

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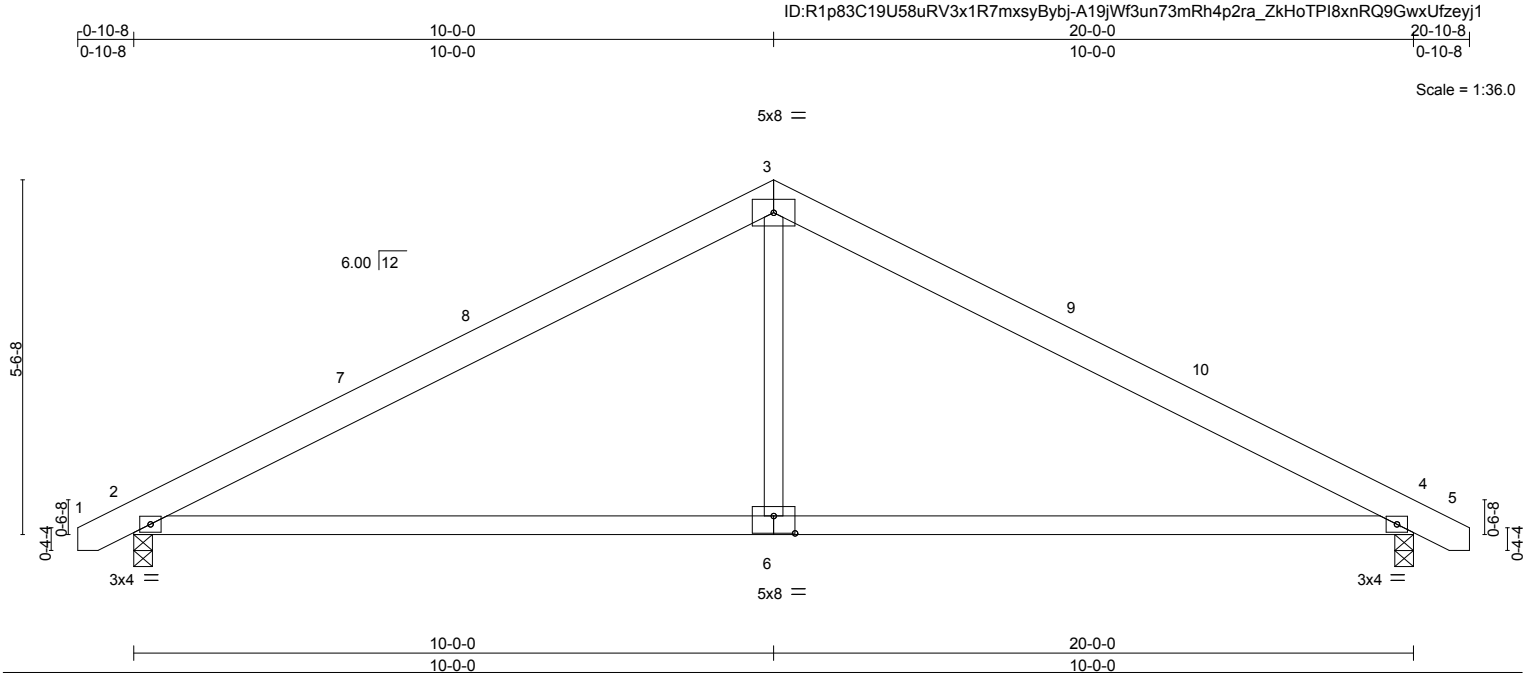


Plate Offsets (X,Y)-- [6:0-4-0,0-3-4]

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	0.58	Vert(LL)	-0.17	4-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.74	Vert(TL)	-0.46	2-6	>520	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(TL)	0.03	4	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		Matrix-S		Wind(LL)	0.07	2-6	>999	240	Weight: 94 lb	FT = 20%

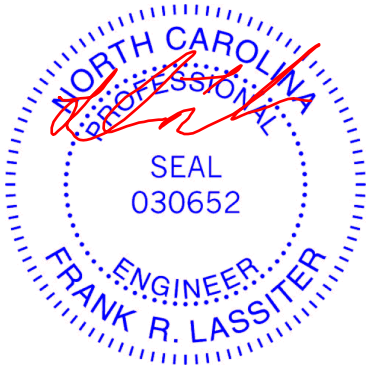
LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3

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

REACTIONS. (lb/size) 2=840/0-3-8, 4=840/0-3-8
Max Horz 2=-83(LC 8)
Max Uplift 2=-145(LC 7), 4=-145(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1079/368, 3-4=-1079/368
BOT CHORD 2-6=-154/875, 4-6=-154/875
WEBS 3-6=0/457

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 10-0-0, Exterior(2) 10-0-0 to 14-4-13 zone;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 with a clearance greater than 6-0-0 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=145, 4=145.



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Job	Truss	Truss Type	Qty	Ply	Venture A
B0318-0839	G02	HIP	1	1	E11511034
					Job Reference (optional)

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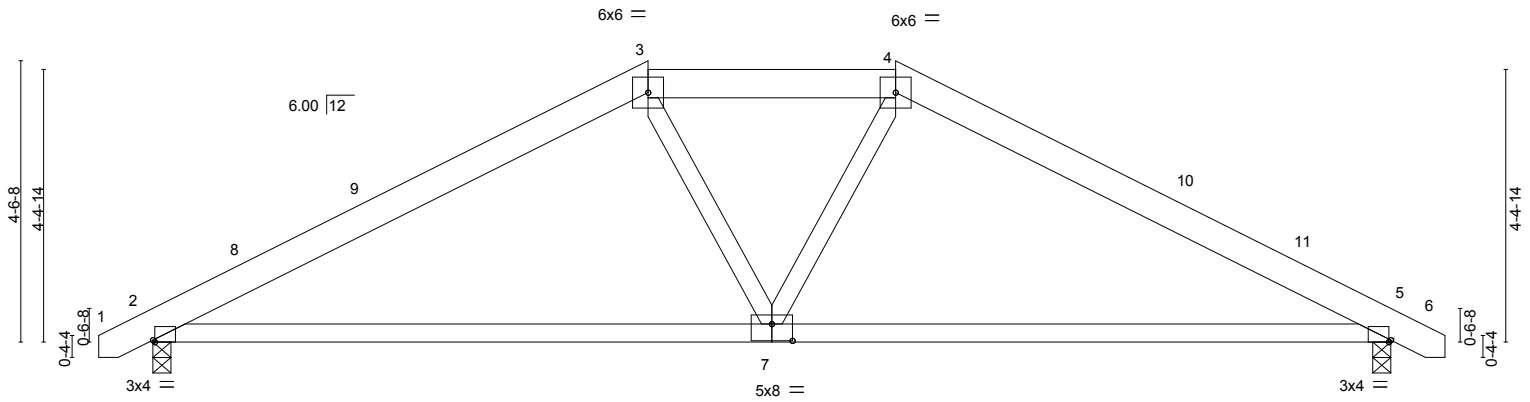
0-10-8 | 8-0-0 | 12-0-0 | 20-0-0 | 20-10-8

0-10-8 | 8-0-0 | 4-0-0 | 8-0-0 | 0-10-8

Scale = 1:37.2



10-0-0 | 20-0-0

10-0-0 | 10-0-0

Plate Offsets (X,Y)-- [2:0-0-6,Edge], [3:0-0-0,0-0-0], [4:0-0-0,0-0-0], [5:0-0-6,Edge], [7:0-4-0,0-3-4]

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	0.37	Vert(LL)	-0.17	2-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.73	Vert(TL)	-0.44	2-7	>536	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(TL)	0.03	5	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	Matrix-S		Wind(LL)	0.04	2-7	>999	240	Weight: 99 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3

BRACING-

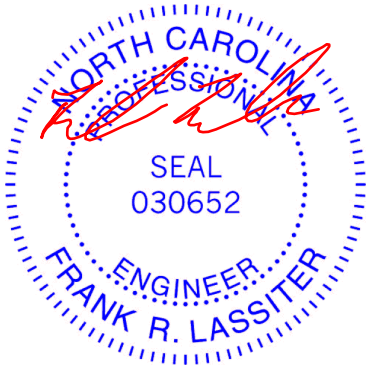
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 3-4.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 5=840/0-3-8, 2=840/0-3-8
Max Horz 2=68(LC 7)
Max Uplift 5=-133(LC 8), 2=-133(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1153/458, 3-4=-1013/467, 4-5=-1153/458
BOT CHORD 2-7=-282/955, 5-7=-271/955
WEBS 3-7=0/252, 4-7=0/252

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 8-0-0, Exterior(2) 8-0-0 to 12-0-0, Interior(1) 18-2-11 to 20-8-10 zone;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 with a clearance greater than 6-0-0 between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=133, 2=133.
7) 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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Job	Truss	Truss Type	Qty	Ply	Venture A
B0318-0839	G03	HIP GIRDER	1	1	E11511035
					Job Reference (optional)

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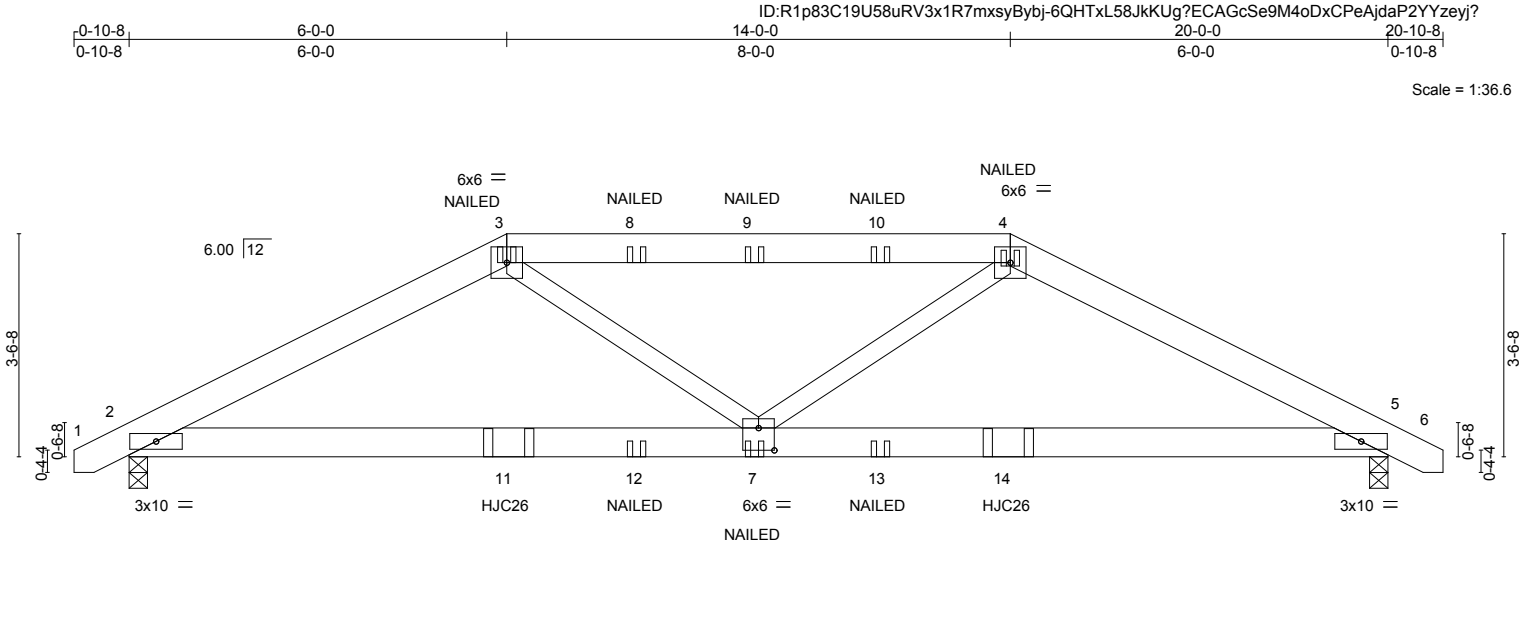


Plate Offsets (X,Y)-- [7:0-3-0,0-4-4]

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	0.84	Vert(LL)	-0.10	2-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.96	Vert(TL)	-0.34	2-7	>702	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.35	Horz(TL)	0.05	5	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	Matrix-S		Wind(LL)	0.12	2-7	>999	240	Weight: 116 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-7-8 oc purlins, except 2-0-0 oc purlins (3-1-15 max.): 3-4.
BOT CHORD	Rigid ceiling directly applied or 9-7-14 oc bracing.

REACTIONS. (lb/size) 2=1543/0-3-8, 5=1539/0-3-8
Max Horz 2=57(LC 5)
Max Uplift 2=-415(LC 5), 5=-414(LC 6)

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

TOP CHORD	2-3=-2615/736, 3-4=-2861/650, 4-5=-2613/735
BOT CHORD	2-7=-642/2288, 5-7=-598/2286
WEBS	3-7=0/918, 4-7=0/919

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); 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 with a clearance greater than 6-0-0 between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=415, 5=414.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
8) Use USP HJC26 (With 16d nails into Girder & 10d nails into Truss) or equivalent spaced at 7-11-4 oc max. starting at 6-0-6 from the left end to 13-11-10 to connect truss(es) to back face of bottom chord.
9) Fill all nail holes where hanger is in contact with lumber.
10) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-3=-60, 3-4=-60, 4-6=-60, 2-5=-20
   Concentrated Loads (lb)
   Vert: 3=-108(B) 4=-108(B) 7=-38(B) 8=-108(B) 9=-108(B) 10=-108(B) 11=-373(B) 12=-38(B) 13=-38(B) 14=-373(B)

March 2,2018

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

Job	Truss	Truss Type	Qty	Ply	Venture A	E11511036
B0318-0839	G-C01	Diagonal Hip Girder	2	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC 28309 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Fri Mar 2 12:36:46 2018 Page 1
ID:R1p83C19U58uRV3x1R7mxsyBybj-6QHTxL58JkKUg?ECAGcSe9MA7D40PjejdaP2YYzeyj?

-1-2-14 / 1-2-14 | 4-1-12 / 4-1-12 | 8-5-1 / 4-3-5

Scale = 1:21.4

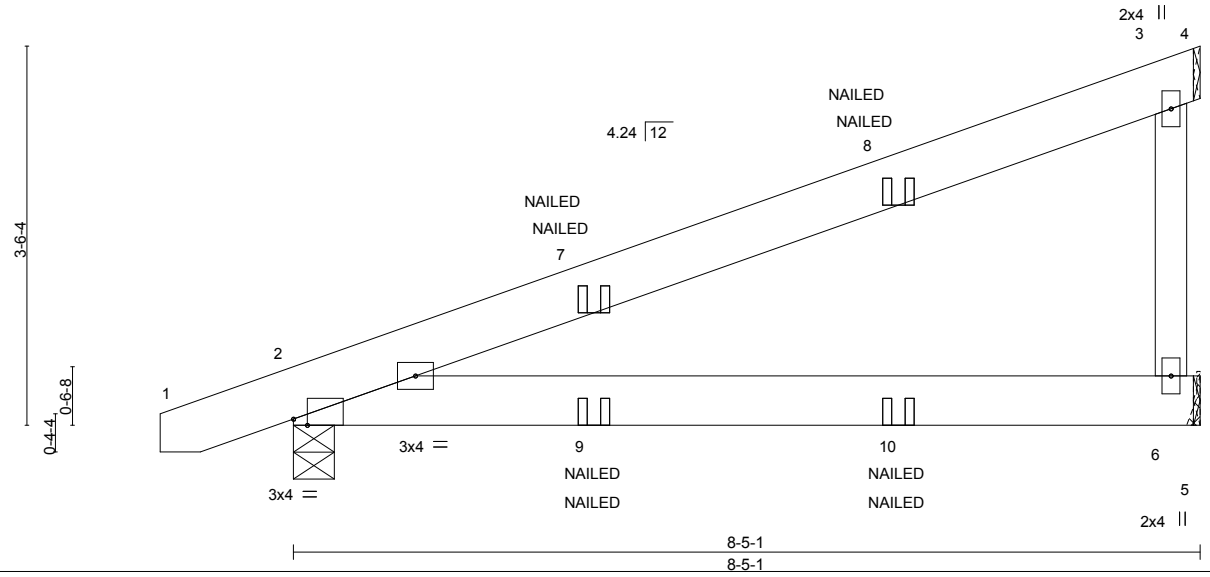


Plate Offsets (X,Y)-- [2:0-1-9,Edge]

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	0.50	Vert(LL)	-0.06	2-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.33	Vert(TL)	-0.16	2-6	>610	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(TL)	0.00		n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	Matrix-P		Wind(LL)	0.00	2	****	240	Weight: 48 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3

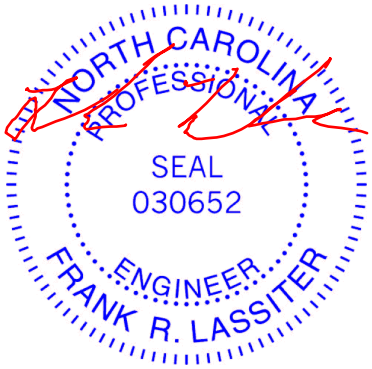
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=364/Mechanical, 2=417/0-4-9
Max Horz 2=136(LC 3)
Max Uplift 6=-109(LC 3), 2=-117(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-6=-266/168

NOTES-
1) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); 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 with a clearance greater than 6-0-0 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) 6=109, 2=117.
6) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-20, 2-5=-20
Concentrated Loads (lb)
Vert: 8=-40(F=-20, B=-20) 10=-19(F=-9, B=-9)



March 2,2018

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

Job	Truss	Truss Type	Qty	Ply	Venture A
B0318-0839	GJ01	Jack-Open	5	1	E11511037
					Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309 8.130 s Sep 15 2017 MiTek Industries, Inc. Fri Mar 2 12:36:47 2018 Page 1

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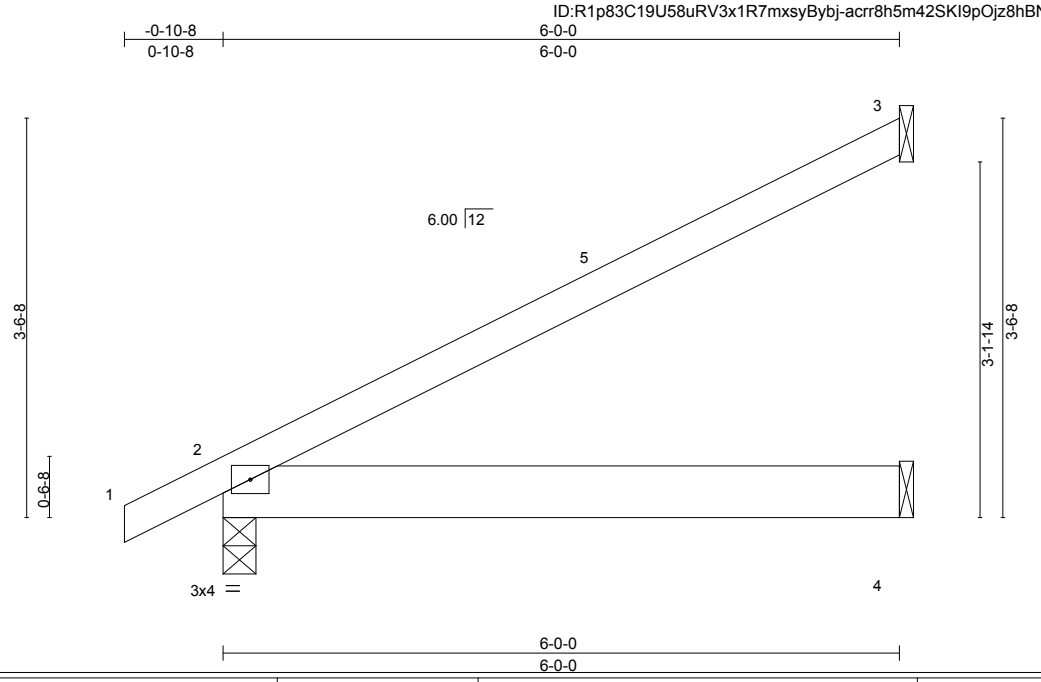

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.57	Vert(LL)	-0.02	2-4	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(TL)	-0.04	2-4	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		Matrix-P		Wind(LL)	0.00	2	****	240	Weight: 26 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x6 SP No.1

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. (lb/size) 3=168/Mechanical, 2=298/0-3-8, 4=58/Mechanical
Max Horz 2=139(LC 7)
Max Uplift 3=-106(LC 7), 2=-66(LC 7)
Max Grav 3=168(LC 1), 2=298(LC 1), 4=116(LC 2)

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

NOTES-
1) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) -0-10-8 to 3-6-5, Interior(1) 3-6-5 to 5-11-4 zone;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 with a clearance greater than 6-0-0 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) 2 except (jt=lb) 3=106.

March 2,2018

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Venture A
B0318-0839	GJ02	Jack-Open	4	1	E11511038
					Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309 8.130 s Sep 15 2017 MiTek Industries, Inc. Fri Mar 2 12:36:47 2018 Page 1

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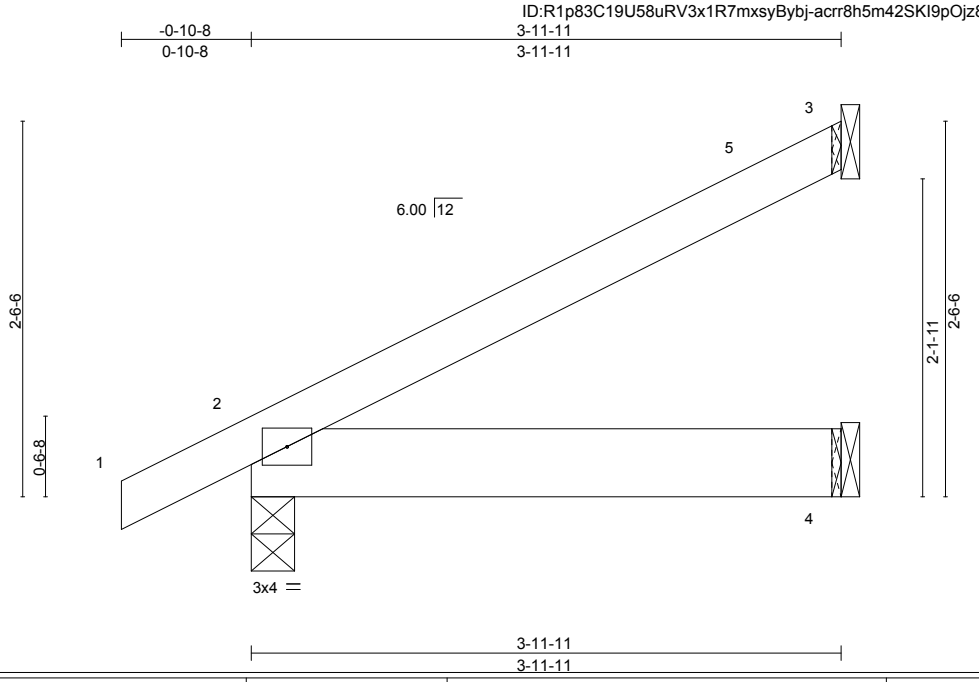


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.21	Vert(LL)	-0.00	2-4	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(TL)	-0.01	2-4	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		Matrix-P		Wind(LL)	0.00	2	****	240	Weight: 18 lb	FT = 20%

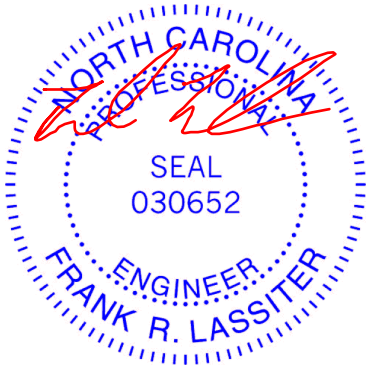
LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x6 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-11-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=105/Mechanical, 2=220/0-3-8, 4=38/Mechanical
Max Horz 2=99(LC 7)
Max Uplift 3=-66(LC 7), 2=-63(LC 7)
Max Grav 3=105(LC 1), 2=220(LC 1), 4=75(LC 2)

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

NOTES-
1) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) -0-10-8 to 3-6-5, Interior(1) 3-6-5 to 3-10-15 zone;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 with a clearance greater than 6-0-0 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) 3, 2.



March 2,2018

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Venture A
B0318-0839	GJ03	Jack-Open	4	1	E11511039
					Job Reference (optional)

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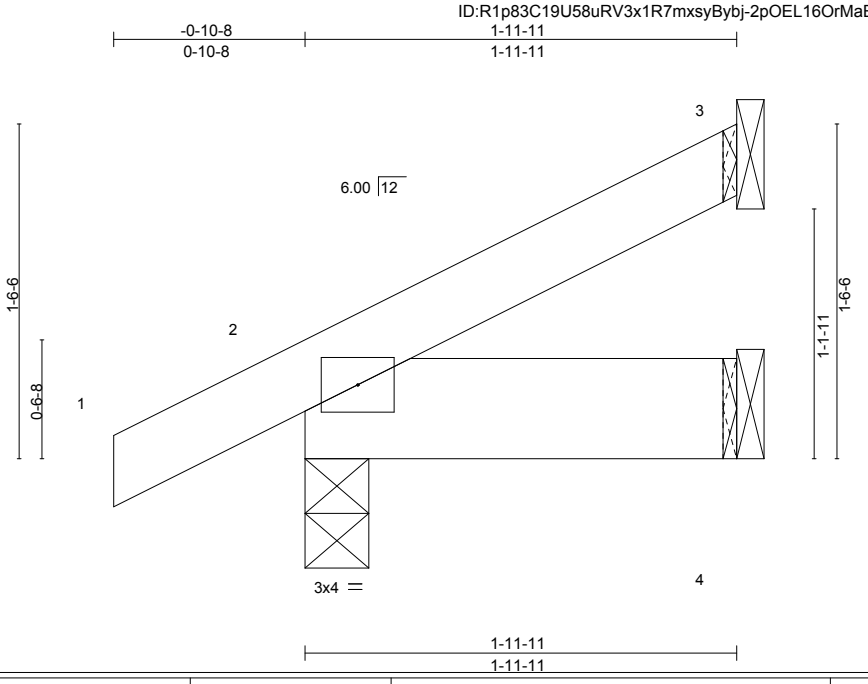


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.04	Vert(LL)	-0.00	2	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.01	Vert(TL)	-0.00	2	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		Matrix-P		Wind(LL)	0.00	2	****	240	Weight: 10 lb	FT = 20%

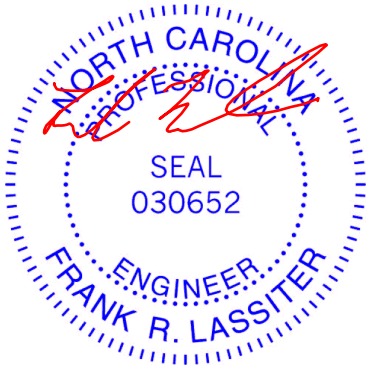
LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x6 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-11-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=45/Mechanical, 2=144/0-3-8, 4=19/Mechanical
Max Horz 2=62(LC 7)
Max Uplift 3=-27(LC 7), 2=-58(LC 7)
Max Grav 3=45(LC 1), 2=144(LC 1), 4=39(LC 2)

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

NOTES-
1) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone;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 with a clearance greater than 6-0-0 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) 3, 2.



March 2,2018

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A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Venture A
B0318-0839	J1	Jack-Open	11	1	E11511040
					Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309 8.130 s Sep 15 2017 MiTek Industries, Inc. Fri Mar 2 12:36:48 2018 Page 1
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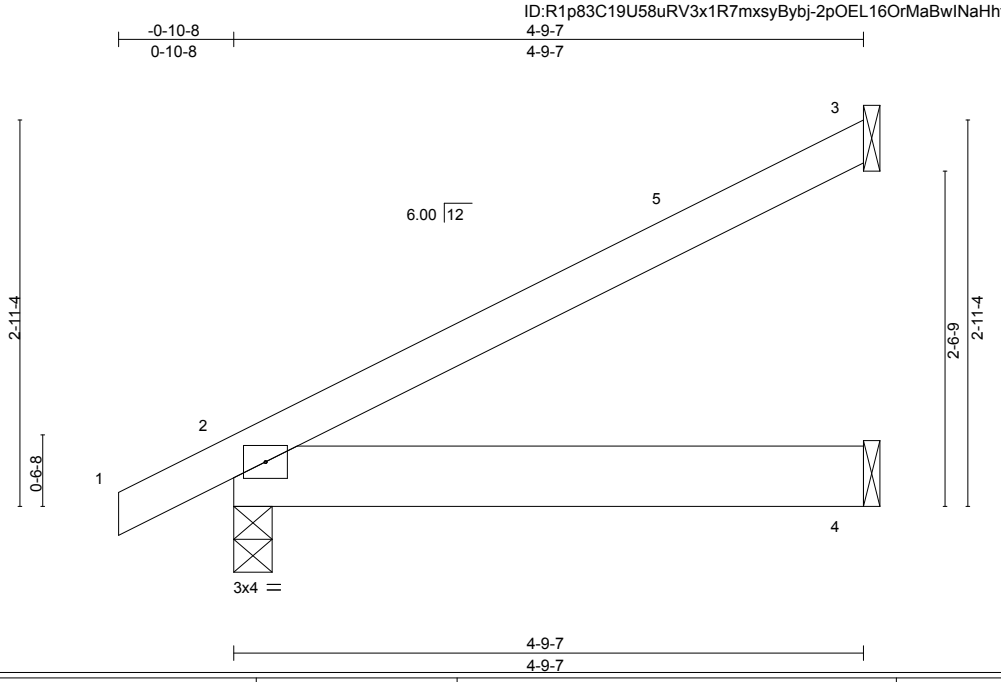

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	-0.01	2-4	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(TL)	-0.01	2-4	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		Matrix-P		Wind(LL)	0.00	2	****	240	Weight: 21 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x6 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-9-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=130/Mechanical, 2=251/0-3-8, 4=46/Mechanical
Max Horz 2=115(LC 7)
Max Uplift 3=-82(LC 7), 2=-64(LC 7)
Max Grav 3=130(LC 1), 2=251(LC 1), 4=92(LC 2)

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

NOTES-
1) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) -0-10-8 to 3-6-5, Interior(1) 3-6-5 to 4-8-11 zone;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 with a clearance greater than 6-0-0 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) 3, 2.

March 2,2018

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A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Venture A
B0318-0839	J1G	Jack-Open Girder	1	1	E11511041
					Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309 8.130 s Sep 15 2017 MiTek Industries, Inc. Fri Mar 2 12:36:49 2018 Page 1
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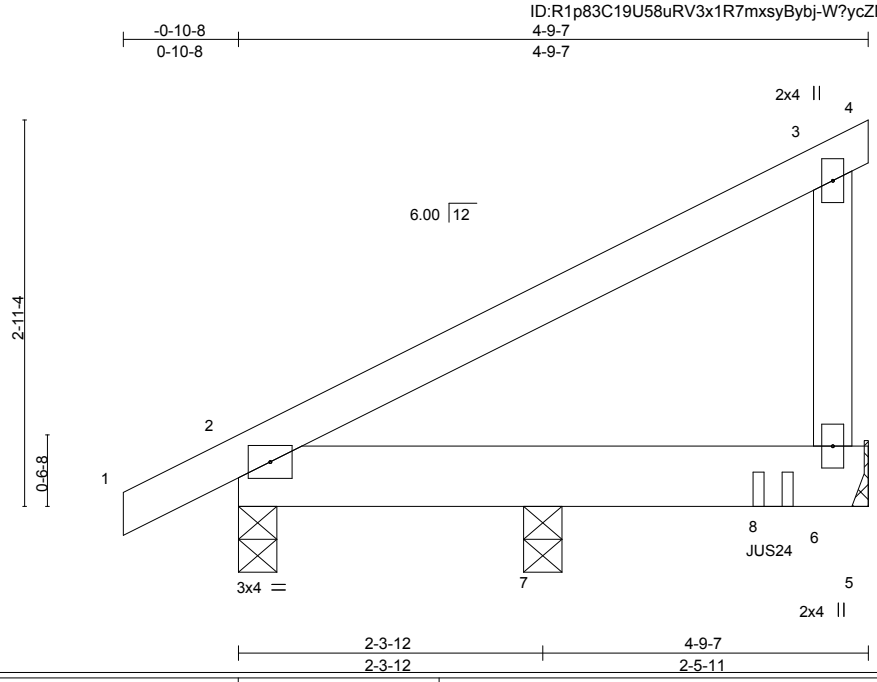

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	-0.00	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(TL)	-0.00	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.03	Horz(TL)	0.00		n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	Matrix-P		Wind(LL)	0.00	7	>999	240	Weight: 24 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-9-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=195/0-3-8, 6=461/Mechanical, 7=181/0-3-8
Max Horz 2=115(LC 5)
Max Uplift 2=-79(LC 11), 6=-123(LC 5)
Max Grav 2=195(LC 1), 6=461(LC 1), 7=197(LC 2)

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

NOTES-
1) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); 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 with a clearance greater than 6-0-0 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) 2 except (jt=lb) 6=123.
6) Use USP JUS24 (With 10d nails into Girder & 10d nails into Truss) or equivalent at 4-0-12 from the left end to connect truss(es) to back face of bottom chord.
7) Fill all nail holes where hanger is in contact with lumber.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-20, 2-5=-20
Concentrated Loads (lb)
Vert: 8=-415(B)

March 2,2018

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Venture A
B0318-0839	J2	Jack-Open	2	1	E11511042
					Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309 8.130 s Sep 15 2017 MiTek Industries, Inc. Fri Mar 2 12:36:49 2018 Page 1

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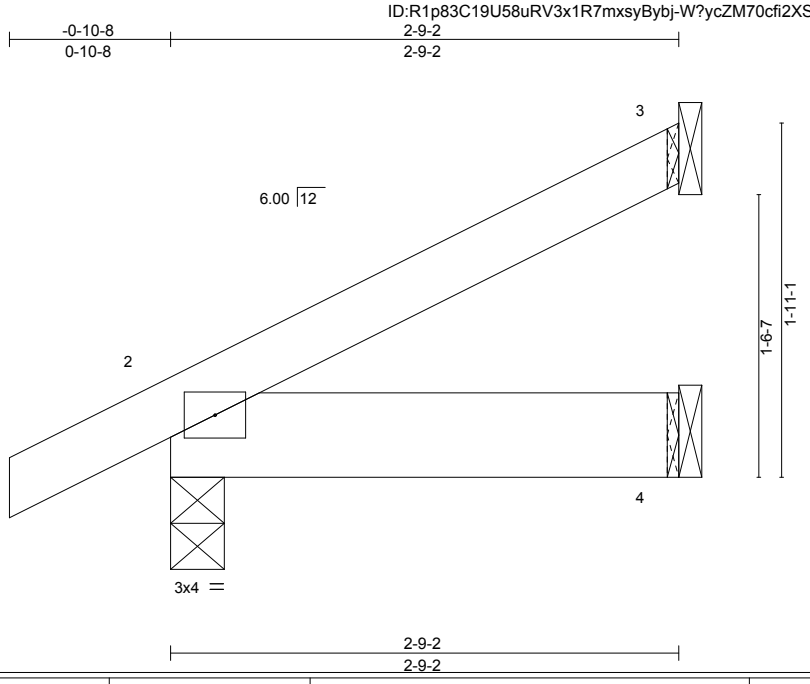


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.08	Vert(LL)	-0.00	2	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(TL)	-0.00	2-4	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		Matrix-P		Wind(LL)	0.00	2	****	240	Weight: 13 lb	FT = 20%

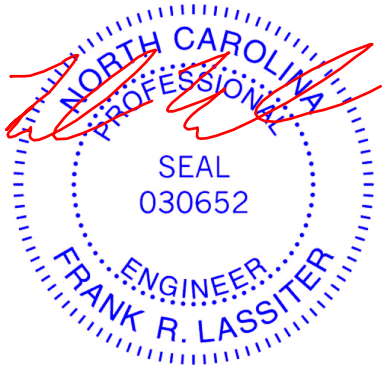
LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x6 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-9-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=64/Mechanical, 2=176/0-3-8, 4=26/Mechanical
Max Horz 2=76(LC 7)
Max Uplift 3=-40(LC 7), 2=-63(LC 7)
Max Grav 3=64(LC 1), 2=176(LC 1), 4=51(LC 2)

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

NOTES-
1) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone;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 with a clearance greater than 6-0-0 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) 3, 2.



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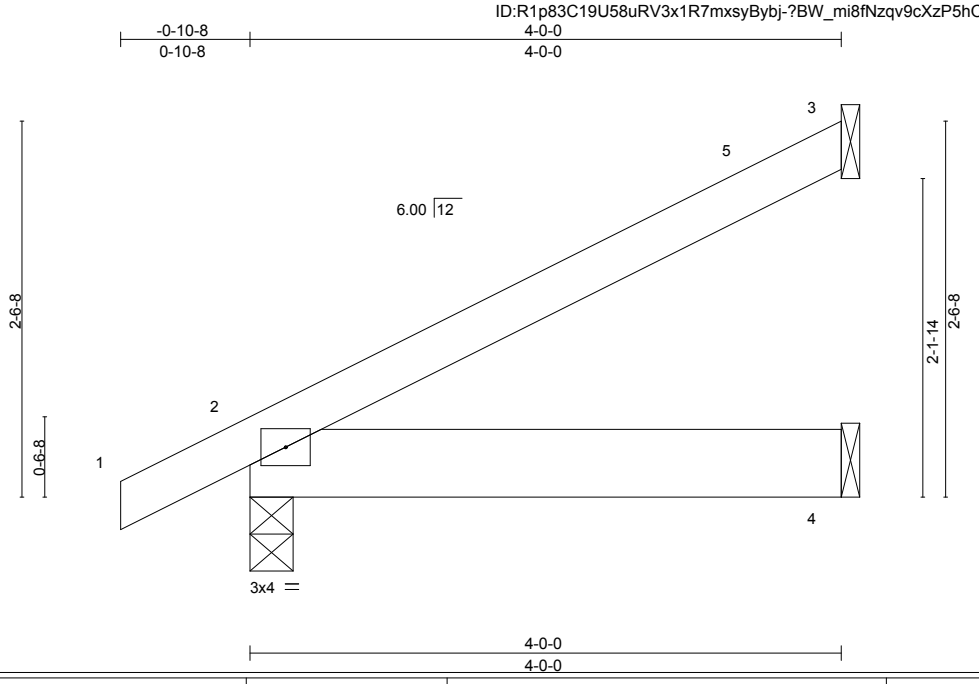
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Venture A
B0318-0839	J3	Jack-Open	16	1	E11511043
					Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309 8.130 s Sep 15 2017 MiTek Industries, Inc. Fri Mar 2 12:36:50 2018 Page 1

ID:R1p83C19U58uRV3x1R7mxsyBybj-?BW_mi8fNzqv9cXzP5hOp?XweqWJLWeJYCNFgJzeyix



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	0.21	Vert(LL)	-0.00	2-4	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(TL)	-0.01	2-4	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		Matrix-P		Wind(LL)	0.00	2	****	240	Weight: 18 lb	FT = 20%

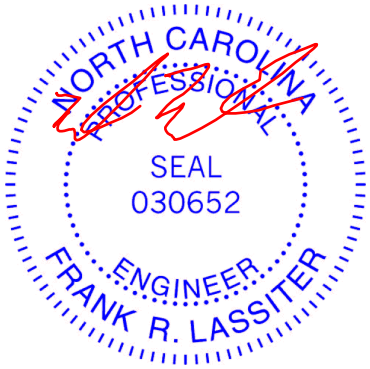
LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x6 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=106/Mechanical, 2=221/0-3-8, 4=38/Mechanical
Max Horz 2=100(LC 7)
Max Uplift 3=-67(LC 7), 2=-63(LC 7)
Max Grav 3=106(LC 1), 2=221(LC 1), 4=76(LC 2)

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

NOTES-
1) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) -0-10-8 to 3-6-5, Interior(1) 3-6-5 to 3-11-4 zone;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 with a clearance greater than 6-0-0 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) 3, 2.



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Job	Truss	Truss Type	Qty	Ply	Venture A
B0318-0839	J4	Jack-Open	4	1	E11511044
					Job Reference (optional)

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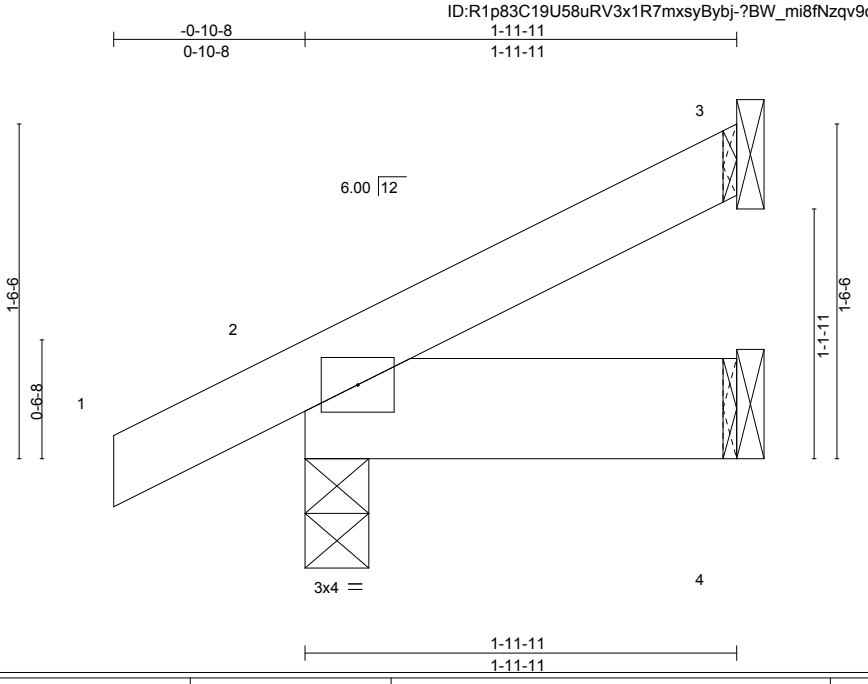


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.04	Vert(LL)	-0.00	2	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.01	Vert(TL)	-0.00	2	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		Matrix-P		Wind(LL)	0.00	2	****	240	Weight: 10 lb	FT = 20%

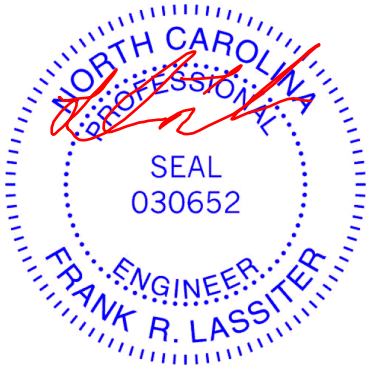
LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x6 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-11-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=45/Mechanical, 2=144/0-3-8, 4=19/Mechanical
Max Horz 2=62(LC 7)
Max Uplift 3=-27(LC 7), 2=-58(LC 7)
Max Grav 3=45(LC 1), 2=144(LC 1), 4=39(LC 2)

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

NOTES-
1) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone;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 with a clearance greater than 6-0-0 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) 3, 2.



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Job	Truss	Truss Type	Qty	Ply	Venture A	E11511045
B0318-0839	P01	Common	1	1	Job Reference (optional)	

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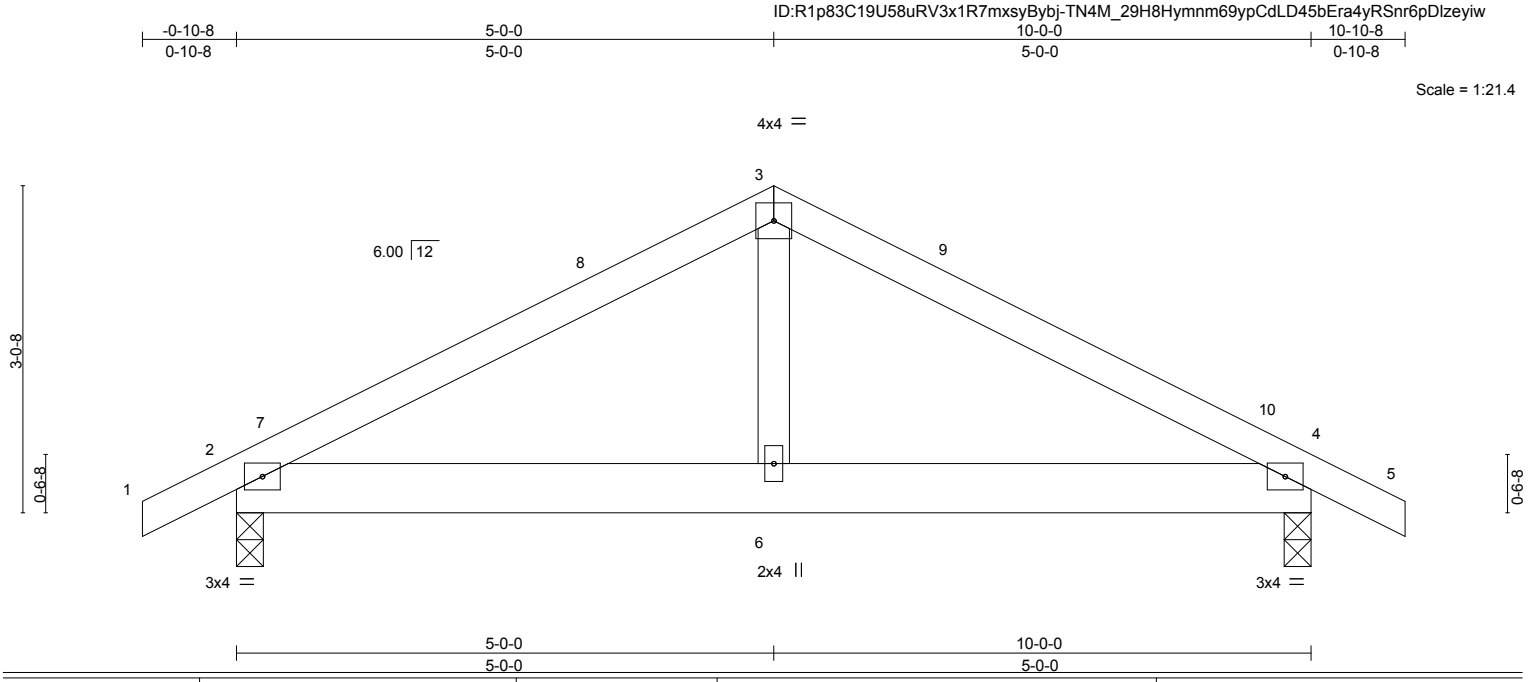


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	-0.01	6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(TL)	-0.02	4-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		Matrix-S		Wind(LL)	0.01	4-6	>999	240	Weight: 47 lb	FT = 20%

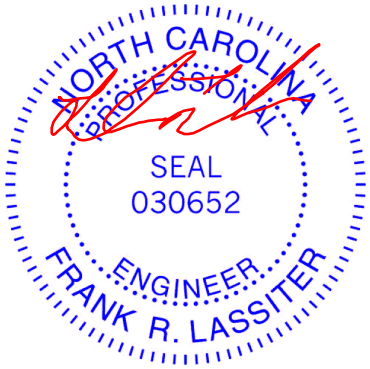
LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3

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. (lb/size) 2=450/0-3-0, 4=450/0-3-0
Max Horz 2=51(LC 7)
Max Uplift 2=-102(LC 7), 4=-102(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-528/271, 3-4=-528/271
BOT CHORD 2-6=-102/399, 4-6=-102/399

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) -0-10-8 to 3-6-5, Interior(1) 3-6-5 to 5-0-0, Exterior(2) 5-0-0 to 9-4-13 zone;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 with a clearance greater than 6-0-0 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=102, 4=102.



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Job	Truss	Truss Type	Qty	Ply	Venture A	E11511046
B0318-0839	P02	Hip Girder	1	1	Job Reference (optional)	

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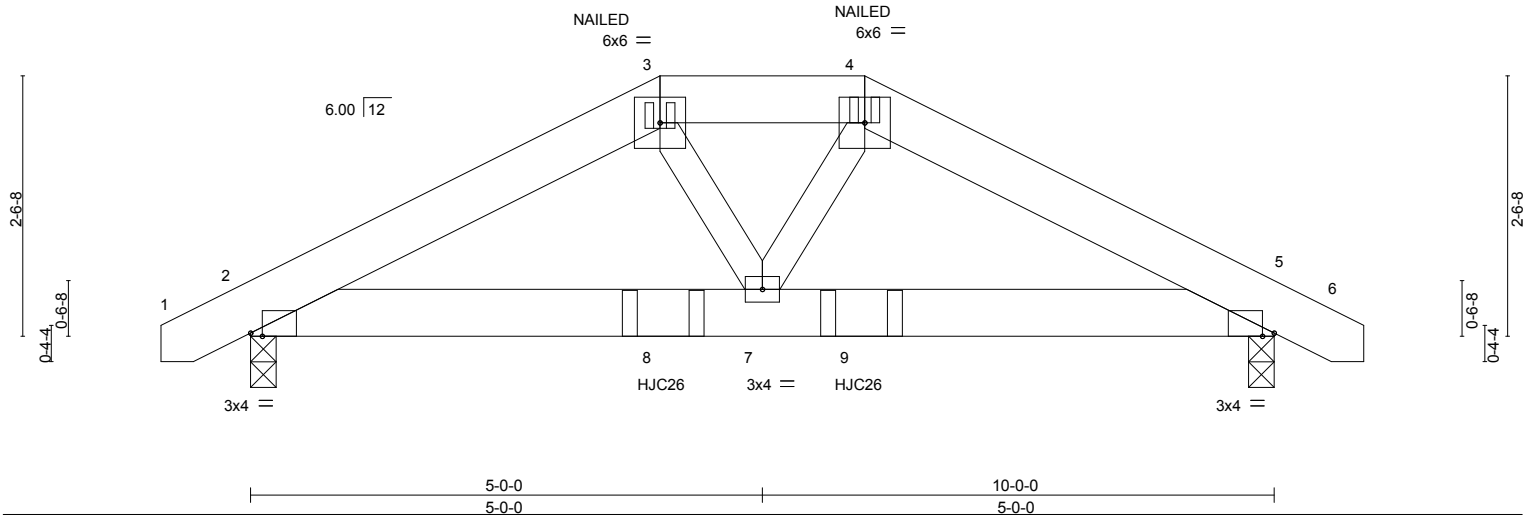
ID:R1p83C19U58uRV3x1R7mxsyBybj-TN4M_29H8Hymnm69ypCdLD47NEpx4y?Snr6pDlzeyiw

-0-10-8	4-0-0	6-0-0	10-0-0	10-10-8
0-10-8	4-0-0	2-0-0	4-0-0	0-10-8

Scale = 1:22.5



5-0-0	10-0-0
5-0-0	5-0-0

Plate Offsets (X,Y)-- [2:0-1-6,Edge], [5:0-1-6,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	0.09	Vert(LL)	-0.01	7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.22	Vert(TL)	-0.03	2-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.12	Horz(TL)	0.01	5	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		Matrix-S		Wind(LL)	0.01	7	>999	240	Weight: 60 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 3-4.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=680/0-3-0, 5=677/0-3-0
Max Horz 2=-43(LC 6)
Max Uplift 2=-190(LC 5), 5=-190(LC 6)

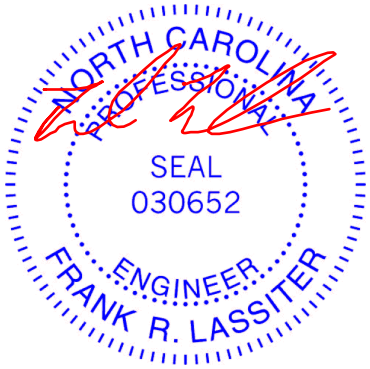
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-3=-1010/254, 3-4=-965/253, 4-5=-1021/254
BOT CHORD	2-7=-195/853, 5-7=-182/852
WEBS	3-7=-36/290, 4-7=-36/291

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); 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 with a clearance greater than 6-0-0 between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=190, 5=190.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
8) Use USP HJC26 (With 16d nails into Girder & 10d nails into Truss) or equivalent spaced at 1-11-4 oc max. starting at 4-0-6 from the left end to 5-11-10 to connect truss(es) to back face of bottom chord.
9) Fill all nail holes where hanger is in contact with lumber.
10) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-60, 4-6=-60, 2-5=-20
Concentrated Loads (lb)
Vert: 3=-47(B) 4=-47(B) 8=-191(B) 9=-191(B)



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Job	Truss	Truss Type	Qty	Ply	Venture A
B0318-0839	PC01	Diagonal Hip Girder	2	1	E11511047
					Job Reference (optional)

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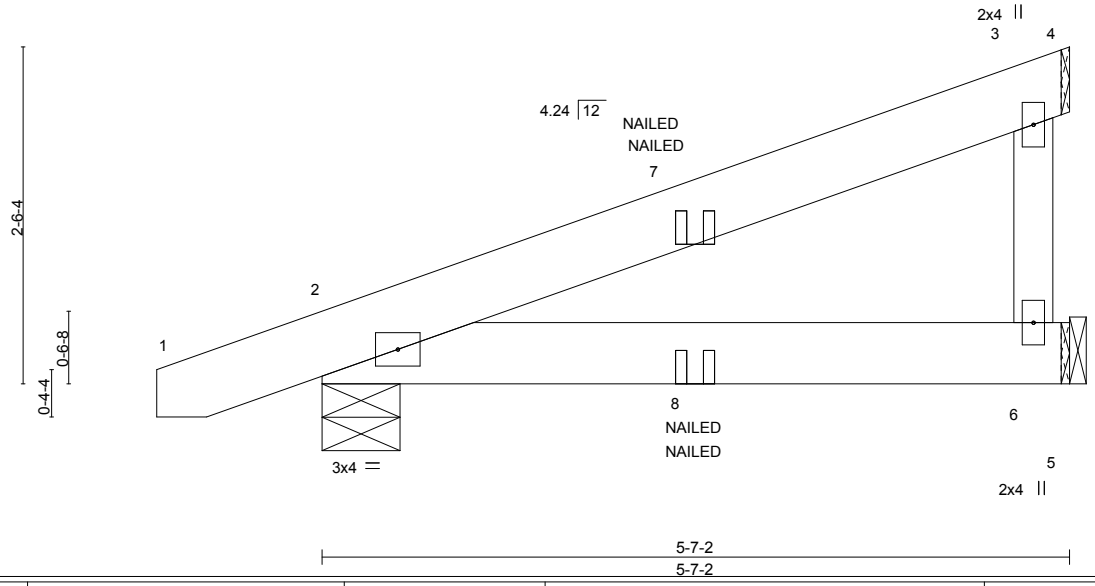
-1-2-14 5-7-2

1-2-14 5-7-2

Scale = 1:17.2



5-7-2

5-7-2

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	0.15	Vert(LL)	-0.01	2-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(TL)	-0.02	2-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(TL)	0.00		n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	Matrix-P		Wind(LL)	0.00	2	****	240	Weight: 33 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1

BOT CHORD 2x6 SP No.1

WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-7-2 oc purlins, except end verticals.

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

REACTIONS. (lb/size) 6=202/Mechanical, 2=292/0-7-0

Max Horz 2=97(LC 3)

Max Uplift 6=-46(LC 3), 2=-97(LC 3)

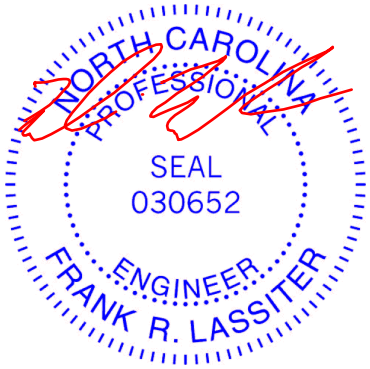
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-

1) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); 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 with a clearance greater than 6-0-0 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) 6, 2.
6) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-3=-60, 3-4=-20, 2-5=-20



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818 Soundside Road

Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Venture A
B0318-0839	PJ01	Jack-Open	2	1	E11511048
					Job Reference (optional)

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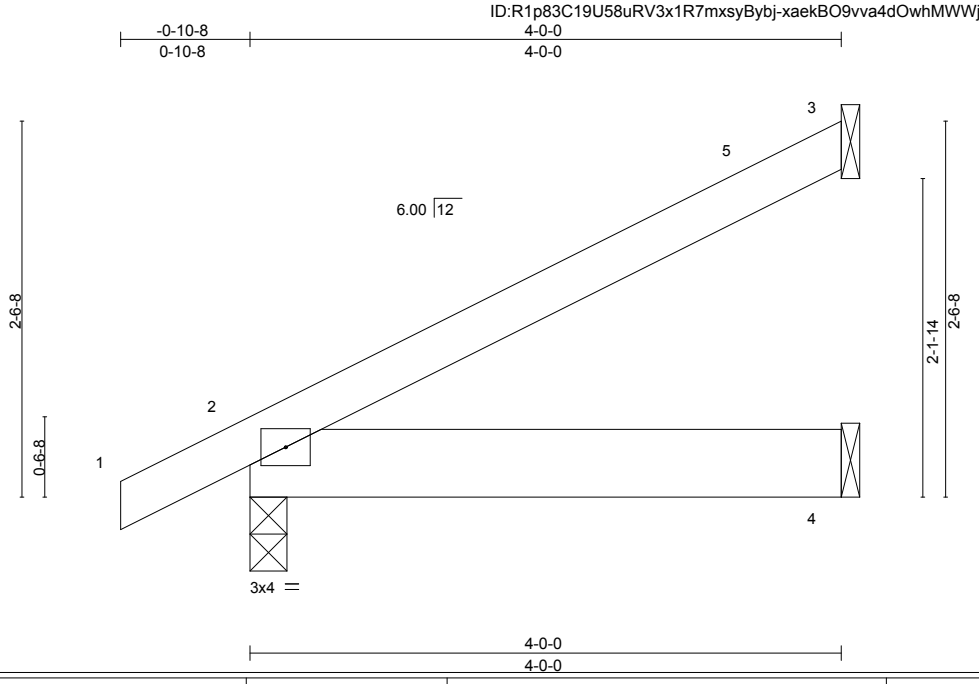


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.22	Vert(LL)	-0.00	2-4	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(TL)	-0.01	2-4	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		Matrix-P		Wind(LL)	0.00	2	****	240	Weight: 18 lb	FT = 20%

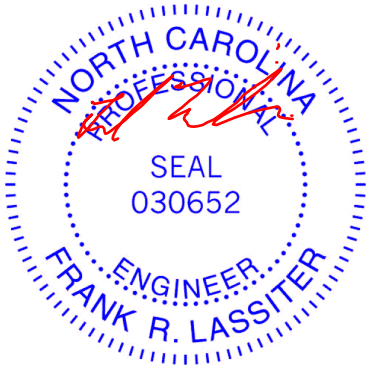
LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x6 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=107/Mechanical, 2=220/0-3-0, 4=38/Mechanical
Max Horz 2=100(LC 7)
Max Uplift 3=-67(LC 7), 2=-62(LC 7)
Max Grav 3=107(LC 1), 2=220(LC 1), 4=76(LC 2)

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

NOTES-
1) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) -0-10-8 to 3-6-5, Interior(1) 3-6-5 to 3-11-4 zone;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 with a clearance greater than 6-0-0 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) 3, 2.



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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Venture A
B0318-0839	PJ02	Jack-Open	4	1	E11511049
					Job Reference (optional)

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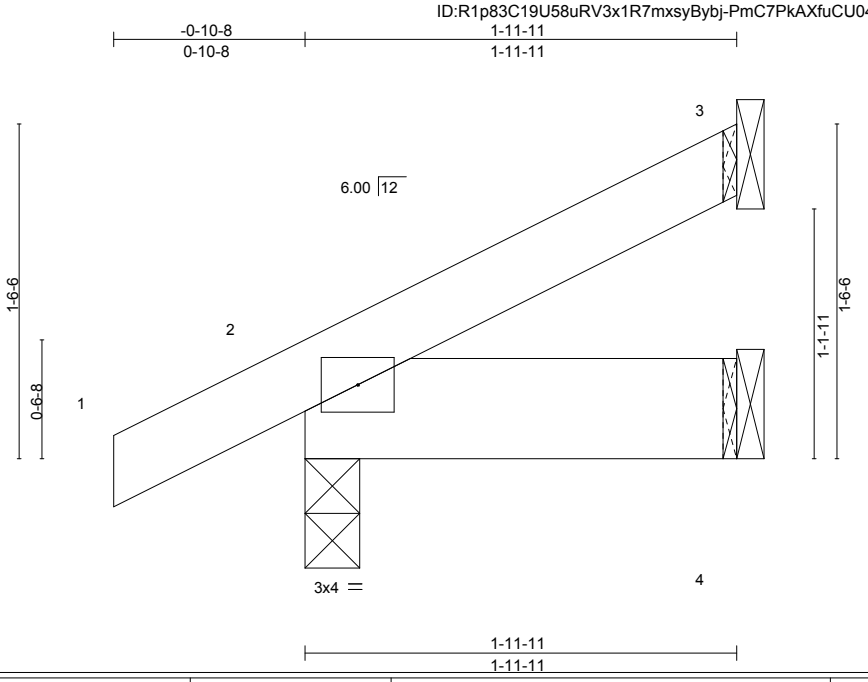


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.04	Vert(LL)	-0.00	2	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.01	Vert(TL)	-0.00	2	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		Matrix-P		Wind(LL)	0.00	2	****	240	Weight: 10 lb	FT = 20%

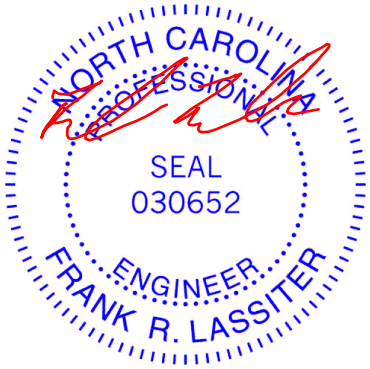
LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x6 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-11-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=46/Mechanical, 2=144/0-3-0, 4=19/Mechanical
Max Horz 2=62(LC 7)
Max Uplift 3=-27(LC 7), 2=-57(LC 7)
Max Grav 3=46(LC 1), 2=144(LC 1), 4=39(LC 2)

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

NOTES-
1) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone;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 with a clearance greater than 6-0-0 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) 3, 2.

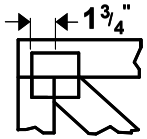


March 2,2018

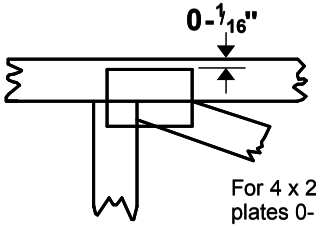
ENGINEERING BY TRENCO A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

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.

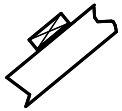
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

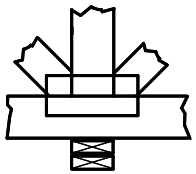
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

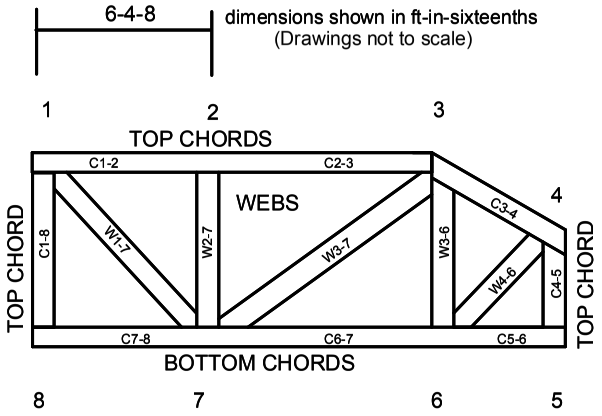


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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

ENGINEERING BY TRENCO
A MiTek Affiliate

MiTek Engineering Reference Sheet: MII-7473 rev. 10/03/2015

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.