ENGINEERING BY
TRENCO
A MiTek Affiliate

Trenco
818 Soundside Rd
Edenton, NC 27932

Re: J0420-1464
Southern Touch / 3 Fultz Farm / Harnett

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: E14316631 thru E14316671

My license renewal date for the state of North Carolina is December 31, 2020.

North Carolina COA: C-0844

April 20,2020

Gilbert, Eric

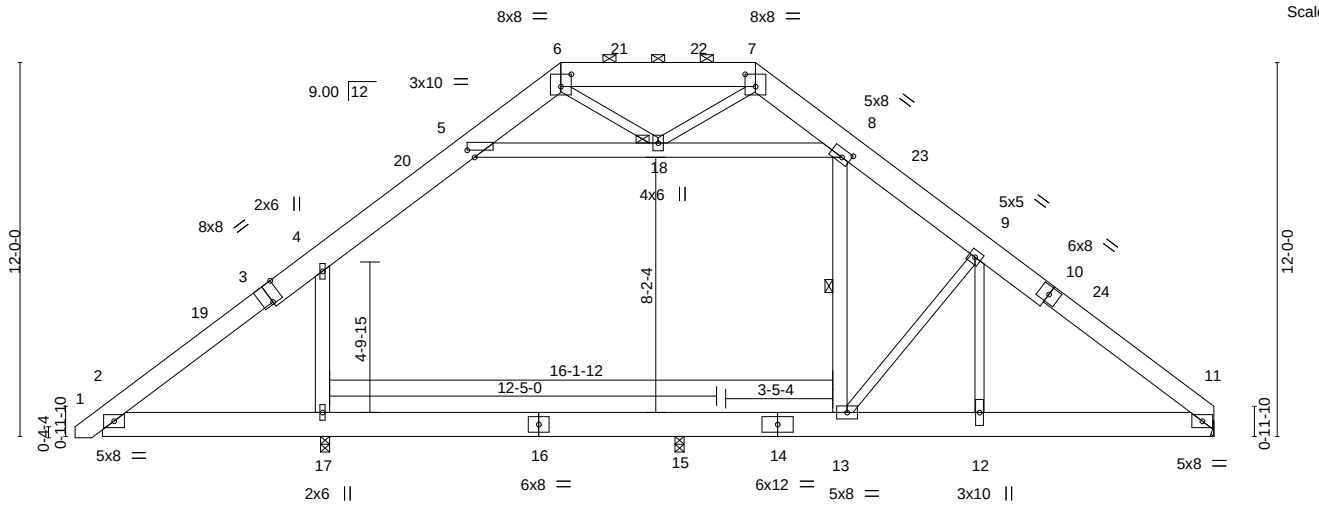
IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which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

Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	A1	ROOF TRUSS	1	1	E14316631 Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.330 s Mar 23 2020 MiTek Industries, Inc. Mon Apr 20 14:20:37 2020 Page 1
ID:160USnr3NF6?bjIg9kc0TyzV4A1-m_nlxKV1_QjNCRUX4CAI6ukuOgYP_9RsSy7LtgzOoTu

-0-10-8	7-0-12	14-8-8	20-11-8	23-8-0	28-1-12	35-4-8
0-10-8	7-0-12	7-7-12	6-2-15	2-8-8	4-5-12	7-2-12

Scale = 1:73.9



7-1-12	18-6-4	23-8-0	28-1-12	35-4-8	35-8-0
7-1-12	11-4-8	5-1-12	4-5-12	7-2-12	0-3-8

Plate Offsets (X,Y)-- [3:0-4-0,Edge], [5:0-2-13,0-2-12], [6:0-4-0,0-4-12], [7:0-4-0,0-4-12], [8:0-3-4,0-3-0]

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)	-0.12	12-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.67	Vert(CT)	-0.26	12-13	>777	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.01	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.10	12-13	>999	240	Weight: 389 lb	FT = 20%

LUMBER-

TOP CHORD 2x10 SP No.1 *Except* 10-11,1-3: 2x8 SP No.1
BOT CHORD 2x10 SP No.1 *Except* 11-14: 2x10 SP 2400F 2.0E
WEBS 2x4 SP No.2 *Except* 5-8,8-13,4-17: 2x6 SP No.1

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD Rigid ceiling directly applied or 7-6-8 oc bracing.
WEBS 1 Row at midpt 8-13
JOINTS 1 Brace at Jt(s): 18

REACTIONS. (size) 11=Mechanical, 17=0-3-8, 15=0-3-8
Max Horz 17=272(LC 11)
Max Grav 11=858(LC 25), 17=1826(LC 2), 15=1813(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-337/231, 4-5=-596/122, 5-6=-963/263, 6-7=-951/221, 7-8=-940/259, 8-9=-474/135, 9-11=-1182/115
BOT CHORD 2-17=-71/342, 15-17=-146/328, 13-15=-146/328, 12-13=0/854, 11-12=0/843
WEBS 5-18=-176/847, 8-18=-181/773, 9-12=-84/871, 9-13=-1229/388, 8-13=-414/110, 4-17=-1348/509

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-7-5 to 3-9-8, Interior(1) 3-9-8 to 14-8-8, Exterior(2) 14-8-8 to 19-1-5, Interior(1) 19-1-5 to 20-11-8, Exterior(2) 20-11-8 to 25-4-4, Interior(1) 25-4-4 to 35-7-4 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (10.0 psf) on member(s). 4-5, 5-18, 8-18; Wall dead load (5.0psf) on member(s).8-13, 4-17
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 15-17, 13-15
8) Refer to girder(s) for truss to truss connections.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Attic room checked for L/360 deflection.

April 20,2020

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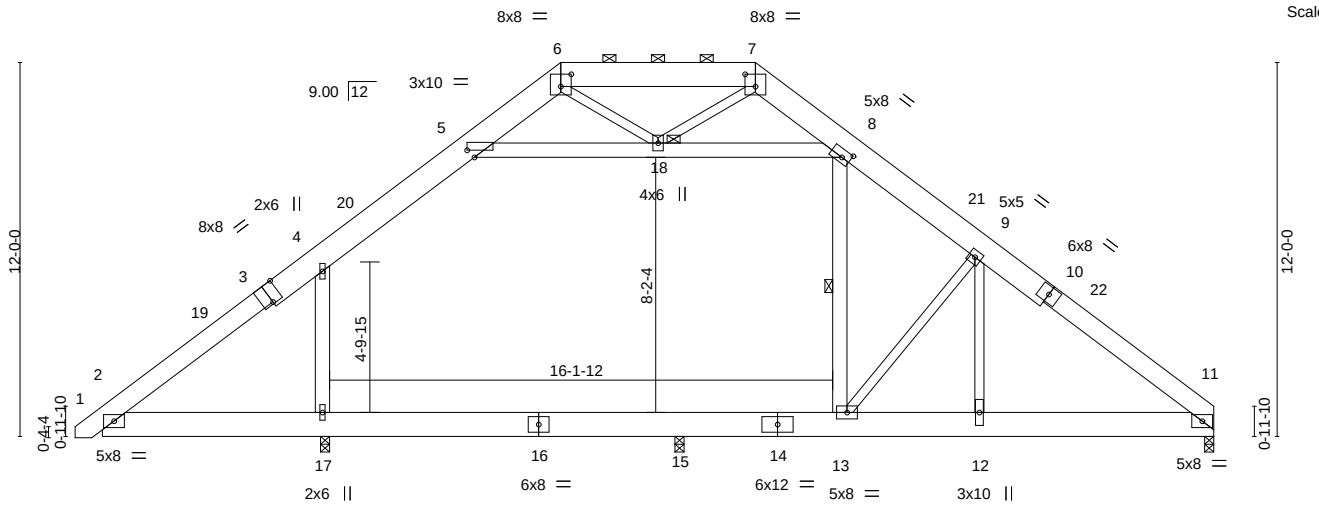
Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	A1A	ROOF TRUSS	1	1	E14316632 Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.330 s Mar 23 2020 MiTek Industries, Inc. Mon Apr 20 14:20:40 2020 Page 1
ID:160USnr3NF6?bjIg9kc0TyzV4A1-AZTtZMXvHL6x3vD6mLk?kWMPfta8BWNI8wL?U?zOoTr

-0-10-8	7-0-12	14-8-8	20-11-8	23-8-0	28-1-12	35-4-8
0-10-8	7-0-12	7-7-12	6-2-15	2-8-8	4-5-12	7-2-12

Scale = 1:73.9



7-1-12	18-6-4	23-8-0	28-1-12	35-4-8	35-8-0
7-1-12	11-4-8	5-1-12	4-5-12	7-2-12	0-3-8

Plate Offsets (X,Y)-- [3:0-4-0,Edge], [5:0-2-13,0-2-12], [6:0-4-0,0-4-12], [7:0-4-0,0-4-12], [8:0-3-4,0-3-0]

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)	-0.12	12-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.67	Vert(CT)	-0.26	12-13	>778	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.96	Horz(CT)	0.01	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.11	12-13	>999	240	Weight: 389 lb	FT = 20%

LUMBER-

TOP CHORD	2x10 SP No.1 *Except* 10-11,1-3: 2x8 SP No.1
BOT CHORD	2x10 SP No.1 *Except* 11-14: 2x10 SP 2400F 2.0E
WEBS	2x4 SP No.2 *Except* 5-8,8-13,4-17: 2x6 SP No.1

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD	Rigid ceiling directly applied or 7-6-15 oc bracing.
WEBS	1 Row at midpt 8-13
JOINTS	1 Brace at Jt(s): 18

REACTIONS. (size) 11=0-3-8, 17=0-3-8, 15=0-3-8
Max Horz 17=272(LC 9)
Max Grav 11=856(LC 25), 17=1826(LC 2), 15=1808(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-334/231, 4-5=-596/138, 5-6=-963/273, 6-7=-950/234, 7-8=-938/278, 8-9=-472/135, 9-11=-1174/129
BOT CHORD 2-17=-71/338, 15-17=-146/335, 13-15=-146/335, 12-13=0/844, 11-12=0/833
WEBS 5-18=-179/846, 8-18=-195/771, 9-12=-100/867, 9-13=-1214/413, 8-13=-419/121, 4-17=-1348/515

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-7-5 to 3-9-8, Interior(1) 3-9-8 to 14-8-8, Exterior(2) 14-8-8 to 27-2-2, Interior(1) 27-2-2 to 35-6-4 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (10.0 psf) on member(s). 4-5, 5-18, 8-18; Wall dead load (5.0psf) on member(s).8-13, 4-17
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 15-17, 13-15
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Attic room checked for L/360 deflection.

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Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	A2	ROOF TRUSS	1	3	E14316633 Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.330 s Mar 23 2020 MiTek Industries, Inc. Mon Apr 20 14:20:42 2020 Page 1
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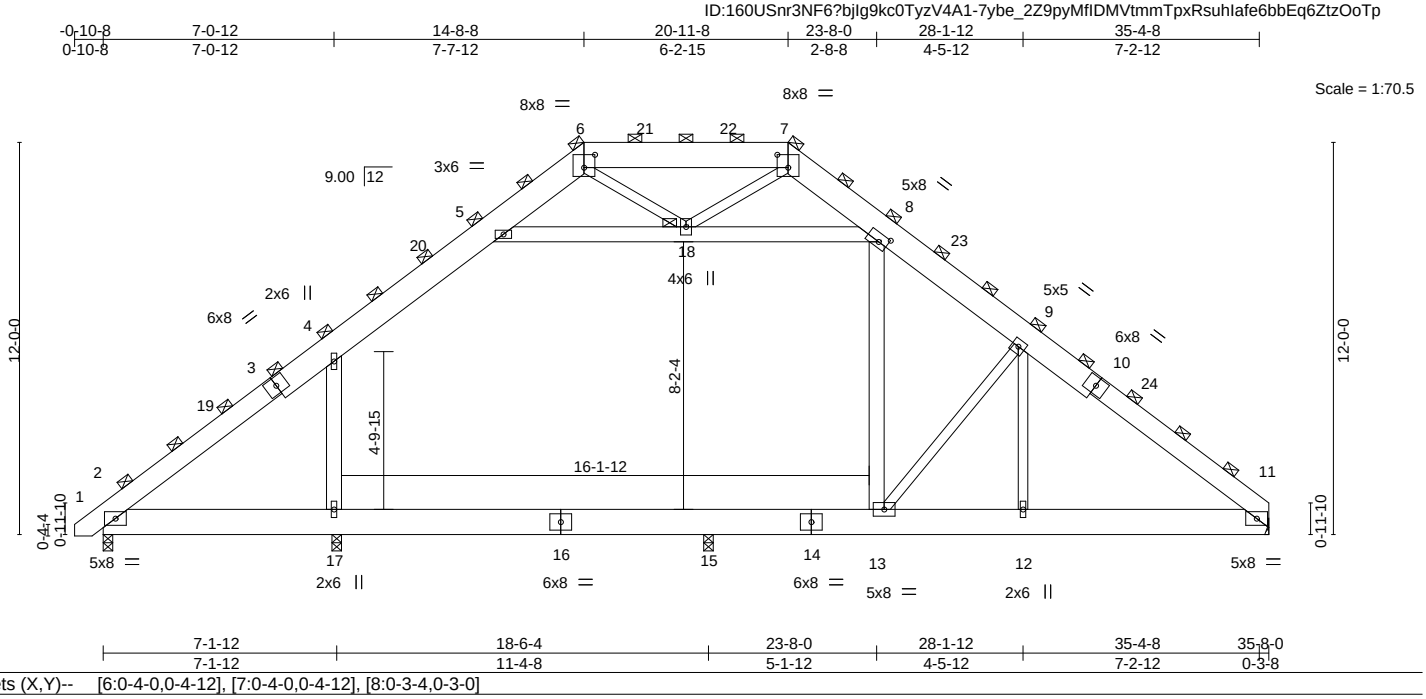

	7-1-12	18-6-4	23-8-0	28-1-12	35-4-8	35-8-0
	7-1-12	11-4-8	5-1-12	4-5-12	7-2-12	0-3-8

	0-10-8	7-0-12	14-8-8	20-11-8	23-8-0	28-1-12	35-4-8
	0-10-8	7-0-12	7-7-12	6-2-15	2-8-8	4-5-12	7-2-12

Plate Offsets (X,Y)-- [6:0-4-0,0-4-12], [7:0-4-0,0-4-12], [8:0-3-4,0-3-0]

LOADING (psf)		SPACING- 5-6-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.16	Vert(LL)	-0.05	15-17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.54	Vert(CT)	-0.09	12-13	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.12	Horz(CT)	0.02	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.04	12-13	>999	240	Weight: 1167 lb	FT = 20%

LUMBER-
TOP CHORD 2x10 SP No.1 *Except* 10-11,1-3: 2x8 SP No.1
BOT CHORD 2x10 SP No.1
WEBS 2x4 SP No.2 *Except* 5-8,8-13,4-17: 2x6 SP No.1

BRACING-
TOP CHORD 2-0-0 oc purlins (6-0-0 max.) (Switched from sheeted: Spacing > 2-8-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 6, 7, 18

REACTIONS. All bearings 0-3-8 except (jt=length) 11=Mechanical.
(lb) - Max Horz 17=748(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2 except 17=-334(LC 12)
Max Grav All reactions 250 lb or less at joint(s) except 11=3607(LC 1), 2=4406(LC 21), 17=5843(LC 20), 15=3710(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-3728/142, 4-5=-3709/767, 5-6=-1795/529, 6-7=-1669/398, 7-8=-1926/560, 8-9=-3803/834, 9-11=-5095/681
BOT CHORD 2-17=0/2759, 15-17=0/2759, 13-15=0/2759, 12-13=-155/3772, 11-12=-158/3760
WEBS 5-18=-2126/468, 8-18=-1570/382, 9-12=0/1137, 9-13=-2038/657, 6-18=0/845, 7-18=-86/399, 8-13=-379/1011, 4-17=-1499/804

NOTES-
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc, 2x10 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-6-0 oc.
Webs connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 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 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-7-5 to 3-9-8, Interior(1) 3-9-8 to 14-8-9, Exterior(2) 14-8-9 to 19-1-5, Interior(1) 19-1-5 to 20-11-8, Exterior(2) 20-11-8 to 25-4-4, Interior(1) 25-4-4 to 35-7-4 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Ceiling dead load (10.0 psf) on member(s). 4-5, 5-18, 8-18; Wall dead load (5.0psf) on member(s).8-13, 4-17
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 15-17, 13-15
10) Refer to girder(s) for truss to truss connections.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 17=334.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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NOTES-

13) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-4=-165, 4-5=-220, 5-6=-165, 6-7=-165, 7-11=-165, 2-17=-400(F=-345), 13-17=-110, 11-13=-55, 5-8=-55
   Drag: 8-13=-27, 4-17=-27

Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	A2A	ROOF TRUSS	1	3	E14316634 Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.330 s Mar 23 2020 MiTek Industries, Inc. Mon Apr 20 14:20:45 2020 Page 1
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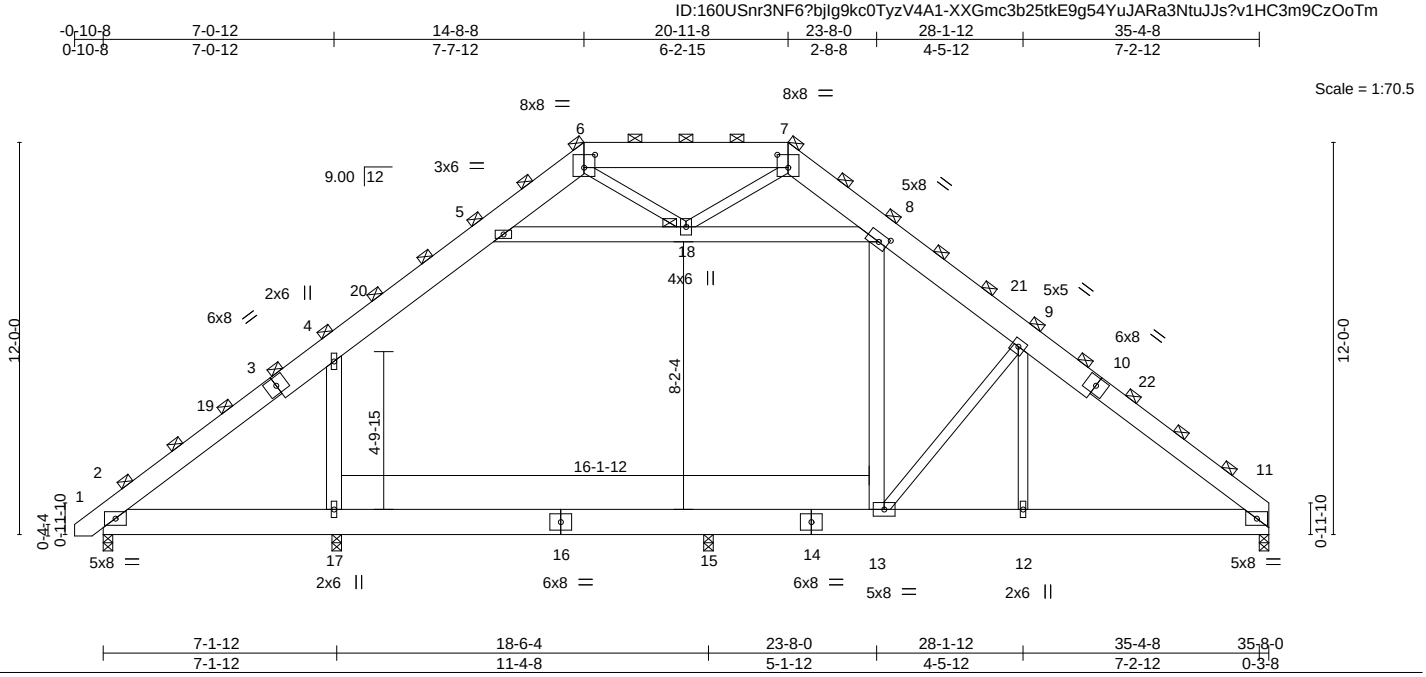

Plate Offsets (X,Y)-- [6:0-4-0,0-4-12], [7:0-4-0,0-4-12], [8:0-3-4,0-3-0]

LOADING (psf)		SPACING- 5-6-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.18	Vert(LL)	-0.05	15-17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.54	Vert(CT)	-0.09	12-13	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.11	Horz(CT)	0.02	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.04	12-13	>999	240	Weight: 1167 lb	FT = 20%

LUMBER-
TOP CHORD 2x10 SP No.1 *Except* 10-11,1-3: 2x8 SP No.1
BOT CHORD 2x10 SP No.1
WEBS 2x4 SP No.2 *Except* 5-8,8-13,4-17: 2x6 SP No.1

BRACING-
TOP CHORD 2-0-0 oc purlins (6-0-0 max.) (Switched from sheeted: Spacing > 2-8-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 6, 7, 18

REACTIONS. All bearings 0-3-8.
(lb) - Max Horz 17=748(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-462(LC 8), 17=-955(LC 9)
Max Grav All reactions 250 lb or less at joint(s) except 11=3602(LC 1), 2=4255(LC 21), 17=5662(LC 20), 15=3703(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-3715/0, 4-5=-3699/688, 5-6=-1795/599, 6-7=-1666/431, 7-8=-1921/575, 8-9=-3781/699, 9-11=-5058/537
BOT CHORD 2-17=0/2749, 15-17=0/2749, 13-15=0/2749, 12-13=-36/3725, 11-12=-39/3712
WEBS 5-18=-2154/328, 8-18=-1588/304, 9-12=0/1122, 9-13=-1987/681, 6-18=0/834, 7-18=-77/408, 8-13=-255/1016, 4-17=-1492/1006

NOTES-
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc, 2x10 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-6-0 oc.
Webs connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 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 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-7-5 to 3-9-8, Interior(1) 3-9-8 to 14-8-9, Exterior(2) 14-8-9 to 27-2-2, Interior(1) 27-2-2 to 35-6-4 zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Ceiling dead load (10.0 psf) on member(s). 4-5, 5-18, 8-18; Wall dead load (5.0psf) on member(s).8-13, 4-17
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 15-17, 13-15
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 462 lb uplift at joint 2 and 955 lb uplift at joint 17.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Attic room checked for L/360 deflection.

NORTH CAROLINA PROFESSIONAL SEAL 036322 ENGINEER ERIC A. GILBERT

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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: 1-4=-165, 4-5=-220, 5-6=-165, 6-7=-165, 7-11=-165, 2-17=-400(F=-345), 13-17=-110, 11-13=-55, 5-8=-55
   Drag: 8-13=-27, 4-17=-27

Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	A3	ATTIC	3	1	E14316635
					Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.330 s Mar 23 2020 MiTek Industries, Inc. Mon Apr 20 14:20:47 2020 Page 1
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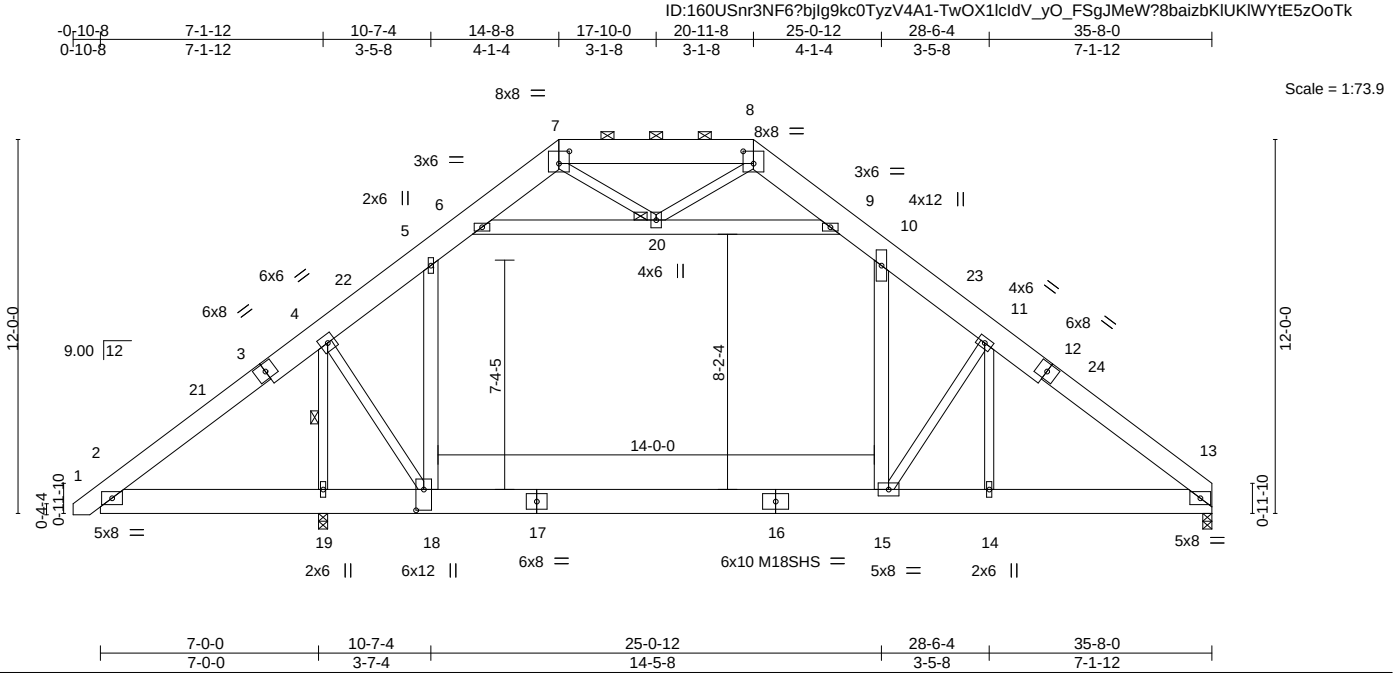


Plate Offsets (X,Y)-- [7:0-4-0,0-4-12], [8:0-4-0,0-4-12], [18:0-8-0,0-3-0]

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	0.68	Vert(LL)	-0.26	15-18	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.68	Vert(CT)	-0.51	15-18	>667	240	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.68	Horz(CT)	0.02	13	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-S		Wind(LL)	0.14	15-18	>999	240	Weight: 407 lb	FT = 20%

LUMBER-
TOP CHORD 2x10 SP No.1 *Except*
1-3,12-13: 2x8 SP No.1
BOT CHORD 2x10 SP 2400F 2.0E *Except*
16-17: 2x10 SP No.1
WEBS 2x4 SP No.2 *Except*
6-9,5-18,10-15: 2x6 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-1-10 oc purlins, except
2-0-0 oc purlins (6-0-0 max.): 7-8.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-19
JOINTS 1 Brace at Jt(s): 20

REACTIONS. (size) 13=0-3-8, 19=0-3-8
Max Horz 19=272(LC 9)
Max Grav 13=1574(LC 21), 19=2596(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-339/500, 4-5=-1356/0, 5-6=-1403/80, 6-7=-562/220, 8-9=-807/257, 9-10=-1123/68, 10-11=-1935/0, 11-13=-2216/0, 7-8=-610/178
BOT CHORD 2-19=-344/376, 18-19=-472/375, 15-18=0/1261, 14-15=0/1675, 13-14=0/1670
WEBS 6-20=-1324/0, 9-20=-682/20, 5-18=-666/312, 10-15=0/1250, 4-19=-3321/226, 4-18=0/2833, 11-14=-157/453, 11-15=-1096/433, 7-20=-2/695, 8-20=-403/163

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-7-5 to 3-9-8, Interior(1) 3-9-8 to 14-8-8, Exterior(2) 14-8-8 to 27-2-2, Interior(1) 27-2-2 to 35-6-4 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) 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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Ceiling dead load (10.0 psf) on member(s). 5-6, 9-10, 6-20, 9-20; Wall dead load (5.0psf) on member(s).5-18, 10-15
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 15-18
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Attic room checked for L/360 deflection.

April 20,2020

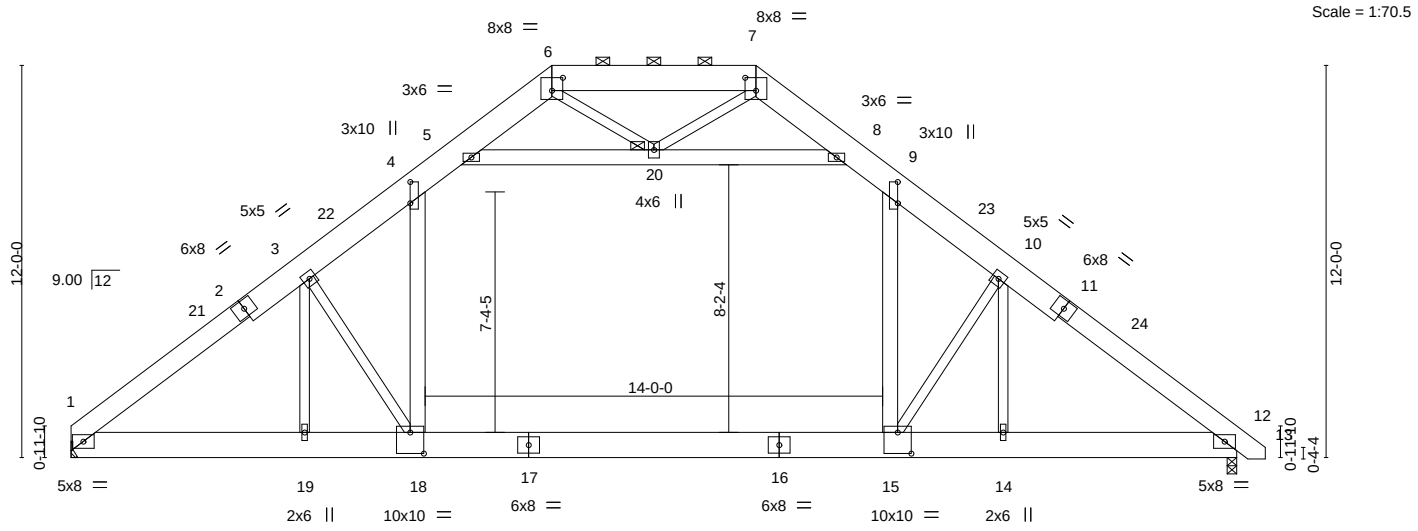
ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	A3A	ATTIC	6	1	E14316636
					Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.330 s Mar 23 2020 MiTek Industries, Inc. Mon Apr 20 14:20:51 2020 Page 1
ID:160USnr3NF6?bjIg9kc0TyzV4A1-Mhd2t7gphjUOtbYDv9QahrJL3JHSGXYwg8W4NszOoTg

0-1-4	7-1-12	10-7-4	14-8-8	17-10-0	20-11-8	25-0-12	28-6-4	35-8-0	36-6-8
0-1-4	7-0-8	3-5-8	4-1-4	3-1-8	3-1-8	4-1-4	3-5-8	7-1-12	0-10-8

Scale = 1:70.5



7-1-12	10-7-4	25-0-12	28-6-4	35-8-0
7-1-12	3-5-8	14-5-8	3-5-8	7-1-12

Plate Offsets (X,Y)-- [4:0-7-13,0-0-0], [6:0-4-0,0-4-12], [7:0-4-0,0-4-12], [9:0-7-13,0-0-0], [15:0-5-0,0-7-12], [18:0-5-0,0-7-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	-0.21	15-18	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.88	Vert(CT)	-0.34	15-18	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.81	Horz(CT)	0.04	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.07	18	>999	240	Weight: 407 lb	FT = 20%

LUMBER-

TOP CHORD	2x10 SP No.1 *Except* 1-2,11-13: 2x8 SP No.1
BOT CHORD	2x10 SP No.1
WEBS	2x4 SP No.2 *Except* 5-8,4-18,9-15: 2x6 SP No.1

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-2-4 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS	1 Brace at Jt(s): 20

REACTIONS. (size) 12=0-3-8, 1=Mechanical
Max Horz 1=-272(LC 10)
Max Grav 12=2116(LC 21), 1=2071(LC 20)

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

TOP CHORD	1-3=-2967/69, 3-4=-3007/85, 4-5=-2116/167, 5-6=-587/224, 7-8=-585/223, 8-9=-2117/165, 9-10=-3001/72, 10-12=-2957/64, 6-7=-478/160
BOT CHORD	1-19=0/2457, 18-19=0/2451, 15-18=0/2326, 14-15=0/2249, 12-14=0/2256
WEBS	5-20=-2170/0, 8-20=-2174/0, 4-18=0/1396, 9-15=0/1382, 10-14=-536/53, 10-15=-409/342, 6-20=-43/288, 7-20=-42/292, 3-19=-521/54, 3-18=-433/342

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-1-4 to 4-6-1, Interior(1) 4-6-1 to 14-8-8, Exterior(2) 14-8-8 to 27-2-2, Interior(1) 27-2-2 to 36-3-5 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (10.0 psf) on member(s). 4-5, 8-9, 5-20, 8-20; Wall dead load (5.0psf) on member(s).4-18, 9-15
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 15-18
8) Refer to girder(s) for truss to truss connections.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Attic room checked for L/360 deflection.

April 20,2020

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

Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	A3GE	ATTIC	1	1	E14316637
					Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.330 s Mar 23 2020 MiTek Industries, Inc. Mon Apr 20 14:20:53 2020 Page 1
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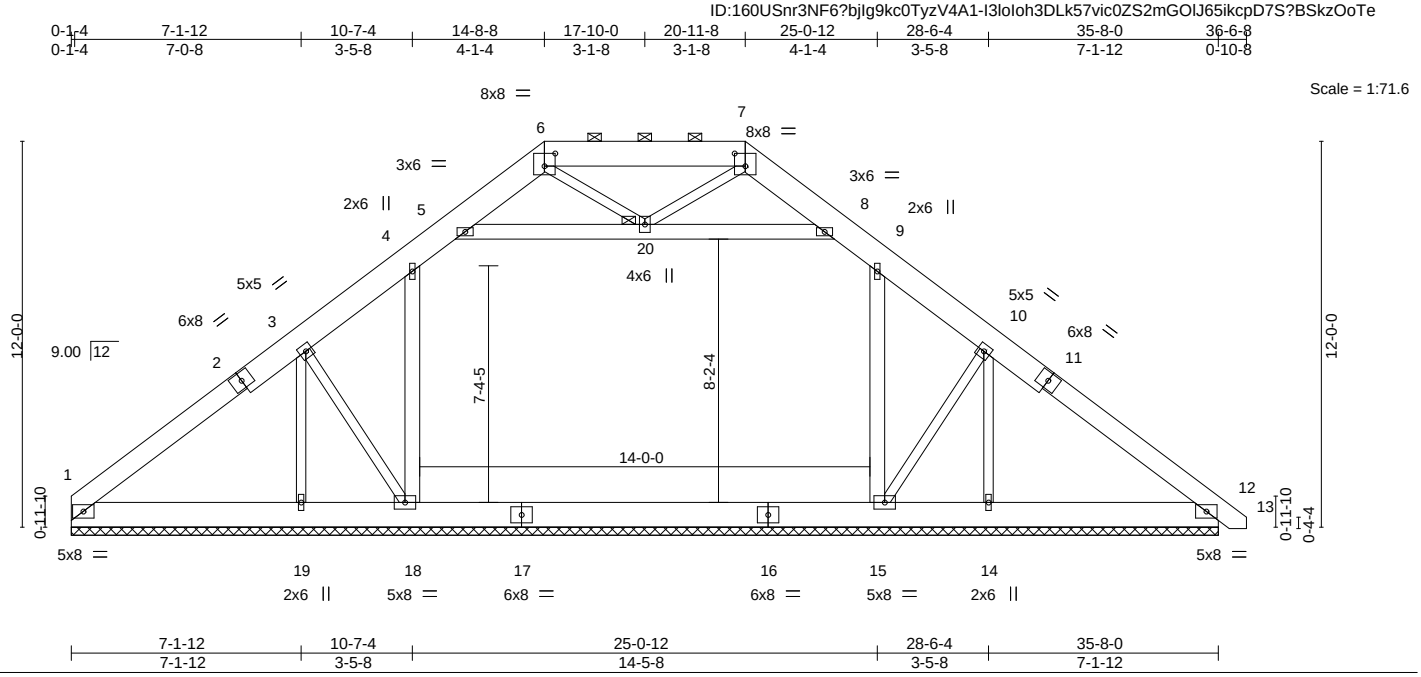

Plate Offsets (X,Y)-- [6:0-4-0,0-4-12], [7:0-4-0,0-4-12]

LOADING (psf)		SPACING- 2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plate Grip DOL 1.15	TC	0.09	Vert(LL)	0.00	13	n/r	120	MT20	244/190
TCDL 10.0		Lumber DOL 1.15	BC	0.38	Vert(CT)	0.00	13	n/r	120		
BCLL 0.0	*	Rep Stress Incr YES	WB	0.12	Horz(CT)	0.01	12	n/a	n/a		
BCDL 10.0		Code IRC2015/TPI2014	Matrix-S							Weight: 407 lb	FT = 20%

LUMBER-
TOP CHORD 2x10 SP No.1 *Except* 1-2,11-13: 2x8 SP No.1
BOT CHORD 2x10 SP No.1
WEBS 2x4 SP No.2 *Except* 5-8,4-18,9-15: 2x6 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 20

REACTIONS. All bearings 35-8-0.
(lb) - Max Horz 1=-340(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 12, 1, 18 except 14=-181(LC 18), 19=-180(LC 18)
Max Grav All reactions 250 lb or less at joint(s) except 12=549(LC 1), 1=513(LC 1), 18=1401(LC 20), 15=1362(LC 21), 14=342(LC 1), 19=337(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-573/175, 3-4=-482/238, 4-5=-604/271, 5-6=-705/219, 7-8=-704/218, 8-9=-605/272, 9-10=-478/232, 10-12=-573/115, 6-7=-653/165
BOT CHORD 1-19=-146/414, 18-19=-145/410, 15-18=-84/397, 14-15=-41/356, 12-14=-41/360
WEBS 5-20=-105/293, 8-20=-34/258, 4-18=-496/92, 9-15=-504/37, 10-14=-276/152, 3-19=-282/159

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 0-0-0 to 4-4-13, Exterior(2) 4-4-13 to 14-8-8, Corner(3) 14-8-8 to 19-1-5, Exterior(2) 19-1-5 to 20-11-8, Corner(3) 20-11-8 to 25-0-12, Exterior(2) 25-0-12 to 36-3-5 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) Gable requires continuous bottom chord bearing.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Ceiling dead load (10.0 psf) on member(s). 4-5, 8-9, 5-20, 8-20; Wall dead load (5.0psf) on member(s).4-18, 9-15
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12, 1, 18 except (jt=lb) 14=181, 19=180.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Attic room checked for L/360 deflection.

April 20,2020

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	A4	ROOF TRUSS	2	1	E14316638 Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.330 s Mar 23 2020 MiTek Industries, Inc. Mon Apr 20 14:20:54 2020 Page 1
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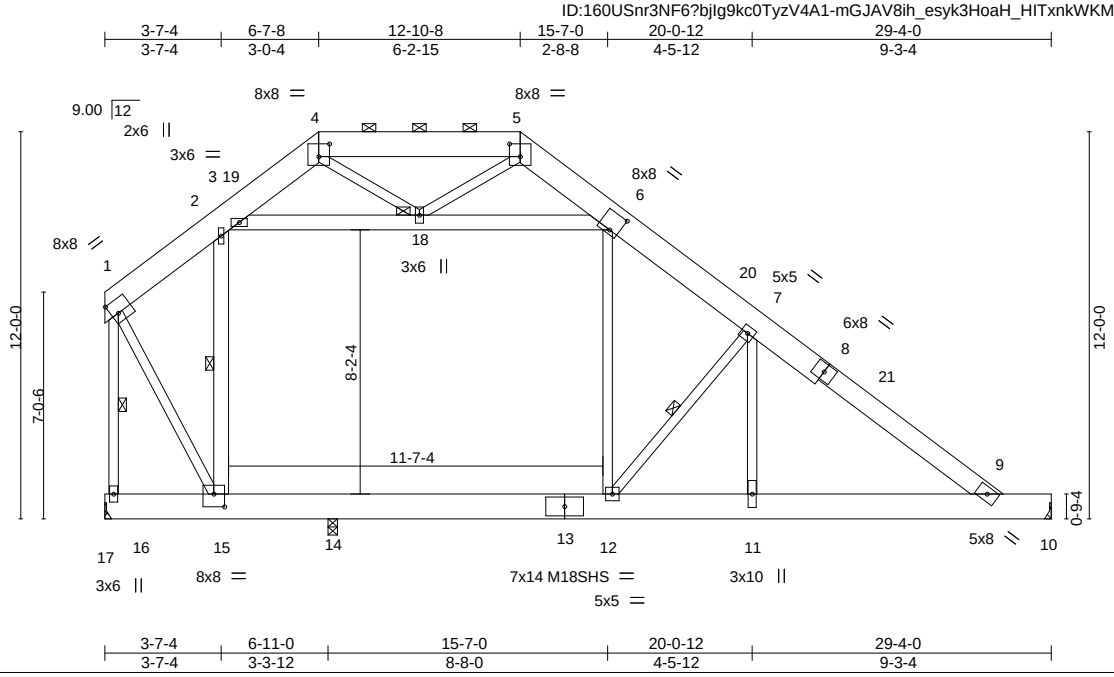

Plate Offsets (X,Y)-- [1:0-2-8,0-4-12], [4:0-4-0,0-4-12], [5:0-4-0,0-4-12], [6:0-3-4,0-6-8], [15:0-4-0,0-4-12]

LOADING (psf)		SPACING- 2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plate Grip DOL 1.15	TC 0.68		Vert(LL)	-0.20	12	>999	360	MT20	244/190
TCDL 10.0		Lumber DOL 1.15	BC 0.80		Vert(CT)	-0.43	12	>614	240	M18SHS	244/190
BCLL 0.0	*	Rep Stress Incr NO	WB 0.36		Horz(CT)	0.01	10	n/a	n/a		
BCDL 10.0		Code IRC2015/TPI2014	Matrix-S		Wind(LL)	0.14	12	>999	240	Weight: 347 lb	FT = 20%

LUMBER-
TOP CHORD 2x10 SP No.1 *Except* 8-9: 2x8 SP No.1
BOT CHORD 2x10 SP No.1
WEBS 2x4 SP No.2 *Except* 3-6,2-15: 2x6 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-5.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 1-16, 2-15, 7-12
JOINTS 1 Brace at Jt(s): 18

REACTIONS. (size) 16=Mechanical, 10=Mechanical, 14=0-3-8
Max Horz 14=-264(LC 13)
Max Grav 16=1180(LC 2), 10=1194(LC 21), 14=1424(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-580/118, 2-3=-983/214, 3-4=-513/200, 4-5=-572/141, 5-6=-808/210, 6-7=-1194/176, 7-9=-1992/154, 1-16=-1390/185
BOT CHORD 14-15=-49/726, 12-14=0/747, 11-12=-1/1562, 9-11=-1/1548
WEBS 3-18=-864/87, 6-18=-91/277, 2-15=-939/151, 1-15=-106/1563, 6-12=-54/822, 7-11=0/913, 7-12=-1625/309, 4-18=0/789, 5-18=-524/115

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-2-4 to 4-7-0, Interior(1) 4-7-0 to 6-7-8, Exterior(2) 6-7-8 to 19-1-2, Interior(1) 19-1-2 to 27-10-2 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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Ceiling dead load (10.0 psf) on member(s). 2-3, 3-18, 6-18; Wall dead load (5.0psf) on member(s).2-15, 6-12
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 14-15, 12-14
9) Refer to girder(s) for truss to truss connections.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 367 lb down and 64 lb up at 3-4-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
12) Attic room checked for L/360 deflection.
13) 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

April 20,2020

Continued on page 2

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818 Soundside Road
Edenton, NC 27932

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-2=-60, 2-3=-80, 3-4=-60, 4-5=-60, 5-9=-60, 15-17=-20, 12-15=-40, 9-12=-20, 9-10=-60, 3-6=-20

Drag: 2-15=-10, 6-12=-10

Concentrated Loads (lb)

Vert: 15=-250(F)

Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	A4GE	ROOF TRUSS	1	1	E14316639
					Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.330 s Mar 23 2020 MiTek Industries, Inc. Mon Apr 20 14:20:57 2020 Page 1
ID:160USnr3NF6?bjlg9kc0TyzV4A1-Br?J7AkZHZFXbW0NFPX_w6ZRskUegOHo24zPbWzOoTa

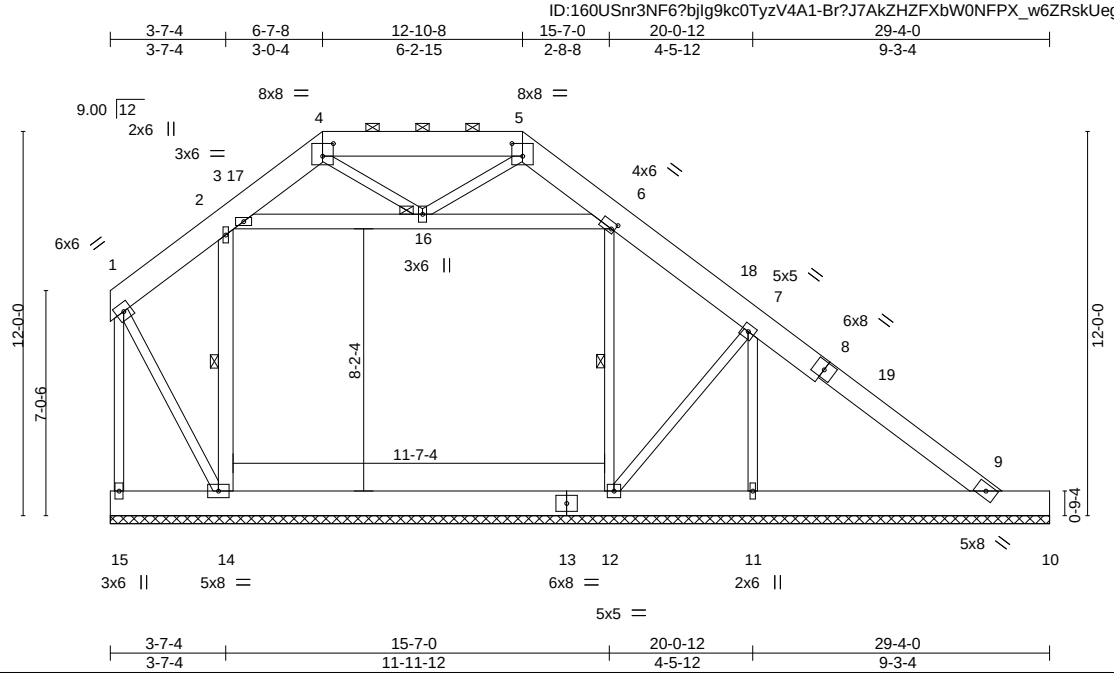

Plate Offsets (X,Y)-- [4:0-4-0,0-4-12], [5:0-4-0,0-4-12], [6:0-1-4,0-2-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.25	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.00	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 347 lb	FT = 20%

LUMBER-
TOP CHORD 2x10 SP No.1 *Except* 8-9: 2x8 SP No.1
BOT CHORD 2x10 SP No.1
WEBS 2x4 SP No.2 *Except* 3-6,2-14: 2x6 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-5.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 14-15.
WEBS 1 Row at midpt 2-14, 6-12
JOINTS 1 Brace at Jt(s): 16

REACTIONS. All bearings 29-4-0.
(lb) - Max Horz 15=-394(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) 9, 12, 11 except 15=-125(LC 13), 10=-173(LC 21)
Max Grav All reactions 250 lb or less at joint(s) 15, 10 except 9=581(LC 1), 14=1191(LC 20), 12=1257(LC 21), 11=368(LC 25)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-360/175, 3-4=-629/198, 4-5=-555/140, 5-6=-628/201, 7-9=-353/107
BOT CHORD 14-15=-254/395, 12-14=-195/368
WEBS 3-16=-61/388, 6-16=-111/413, 2-14=-664/157, 6-12=-544/96, 7-11=-280/134, 7-12=-266/271

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-2-4 to 4-7-0, Interior(1) 4-7-0 to 6-7-8, Exterior(2) 6-7-8 to 19-1-2, Interior(1) 19-1-2 to 27-10-2 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) Gable requires continuous bottom chord bearing.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Ceiling dead load (10.0 psf) on member(s). 2-3, 3-16, 6-16; Wall dead load (5.0psf) on member(s).2-14, 6-12
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 12, 11 except (jt=lb) 15=125, 10=173.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Attic room checked for L/360 deflection.

April 20,2020

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

Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	A5	ROOF TRUSS	1	1	E14316640 Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.330 s Mar 23 2020 MiTek Industries, Inc. Mon Apr 20 14:20:59 2020 Page 1
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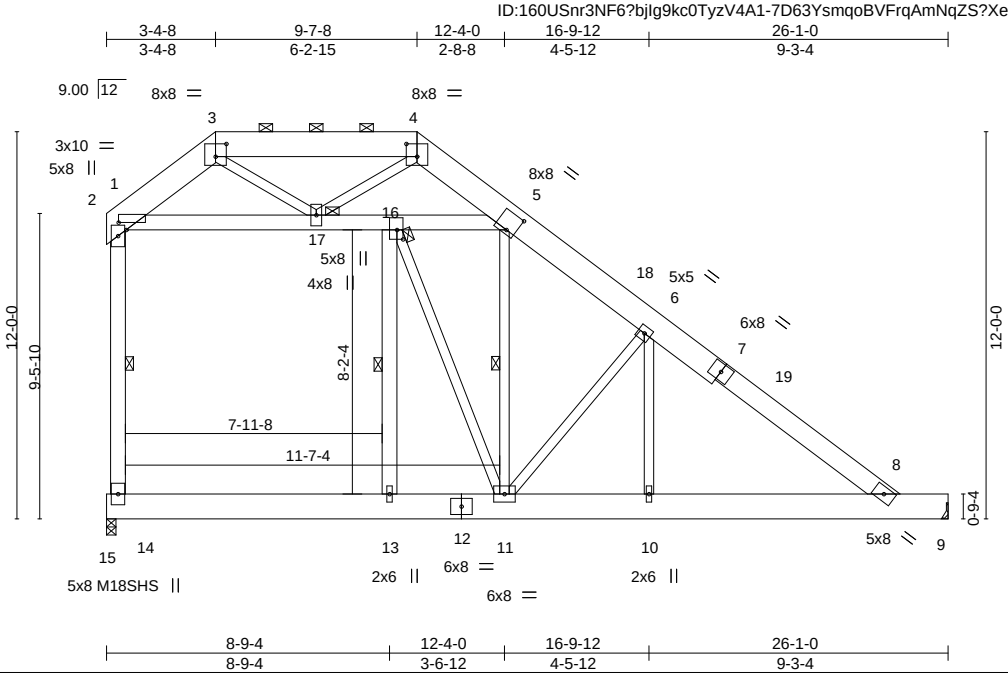

Scale = 1:71.4

Plate Offsets (X,Y)-- [2:0-2-13,0-2-12], [3:0-4-0,0-4-12], [4:0-4-0,0-4-12], [5:0-3-4,0-6-8], [16:0-3-8,0-2-4]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.57	Vert(LL)	-0.22	13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.62	Vert(CT)	-0.50	13	>621	240	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.96	Horz(CT)	-0.01	14	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.14	13	>999	240	Weight: 333 lb	FT = 20%

LUMBER-
TOP CHORD 2x10 SP No.1 *Except*
7-8: 2x8 SP No.1
BOT CHORD 2x10 SP No.1
WEBS 2x4 SP No.2 *Except*
1-14,13-16: 2x6 SP No.1, 2-5: 2x6 SP 2400F 2.0E

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-8-3 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4.
BOT CHORD Rigid ceiling directly applied or 9-3-4 oc bracing.
WEBS 1 Row at midpt 1-14, 13-16, 5-11
JOINTS 1 Brace at Jt(s): 16, 17

REACTIONS. (size) 14=0-3-8, 9=Mechanical
Max Horz 9=-317(LC 13)
Max Grav 14=1714(LC 21), 9=1126(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-720/192, 2-3=-1646/167, 3-4=-2403/98, 4-5=-1895/175, 5-6=-1338/217, 6-8=-1803/175, 1-14=-1064/134
BOT CHORD 10-11=-103/1547, 8-10=-105/1541, 8-9=-317/185
WEBS 2-17=0/1105, 16-17=0/1714, 5-16=0/1049, 13-16=-417/105, 3-17=0/1529, 4-17=0/751, 5-11=-288/41, 11-16=-177/1813, 6-11=-1195/259, 6-10=0/443

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-4 to 15-10-2, Interior(1) 15-10-2 to 24-7-2 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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Ceiling dead load (10.0 psf) on member(s). 2-17, 16-17, 5-16; Wall dead load (5.0psf) on member(s).13-16
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 13-14
9) Refer to girder(s) for truss to truss connections.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Attic room checked for L/360 deflection.

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	A5A	ROOF TRUSS	2	1	E14316641 Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.330 s Mar 23 2020 MiTek Industries, Inc. Mon Apr 20 14:21:00 2020 Page 1
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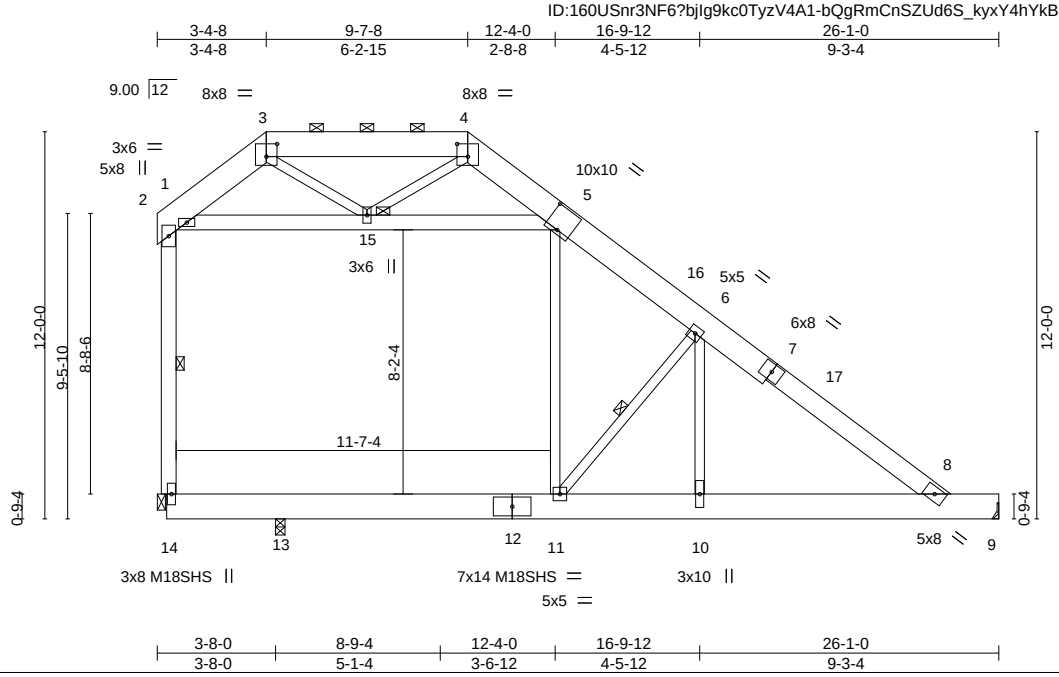

Plate Offsets (X,Y)-- [3:0-4-0,0-4-12], [4:0-4-0,0-4-12], [5:0-5-0,0-8-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.72	Vert(LL)	-0.24	11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.52	Vert(CT)	-0.54	10-11	>495	240	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.01	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.18	10-11	>999	240	Weight: 299 lb	FT = 20%

LUMBER-

TOP CHORD	2x10 SP No.1 *Except* 7-8: 2x8 SP No.1
BOT CHORD	2x10 SP 2400F 2.0E
WEBS	2x4 SP No.2 *Except* 1-14,2-5: 2x6 SP No.1

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-9-13 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4.
BOT CHORD	Rigid ceiling directly applied or 7-5-9 oc bracing.
WEBS	1 Row at midpt 1-14, 6-11
JOINTS	1 Brace at Jt(s): 15

REACTIONS. (size) 9=Mechanical, 14=0-3-0, 13=0-3-8
Max Horz 13=-317(LC 13)
Max Uplift 14=-287(LC 21)
Max Grav 9=919(LC 1), 14=80(LC 24), 13=2489(LC 21)

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

TOP CHORD	1-2=-483/208, 2-3=-828/193, 3-4=-942/144, 4-5=-1059/213, 5-6=-509/181, 6-8=-1481/154, 1-14=-672/152
BOT CHORD	11-13=-154/317, 10-11=0/1158, 8-10=0/1140
WEBS	2-15=-25/525, 5-15=-24/1130, 3-15=0/555, 4-15=-346/106, 5-11=-59/362, 6-11=-1984/308, 6-10=-3/1257

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-4 to 15-10-2, Interior(1) 15-10-2 to 24-7-2 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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Ceiling dead load (10.0 psf) on member(s). 2-15, 5-15; Wall dead load (5.0psf) on member(s).5-11
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 13-14, 11-13
9) Refer to girder(s) for truss to truss connections.
10) Bearing at joint(s) 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=287.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Attic room checked for L/360 deflection.

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Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	A6	ROOF TRUSS	1	2	E14316642
					Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.330 s Mar 23 2020 MiTek Industries, Inc. Mon Apr 20 14:21:02 2020 Page 1
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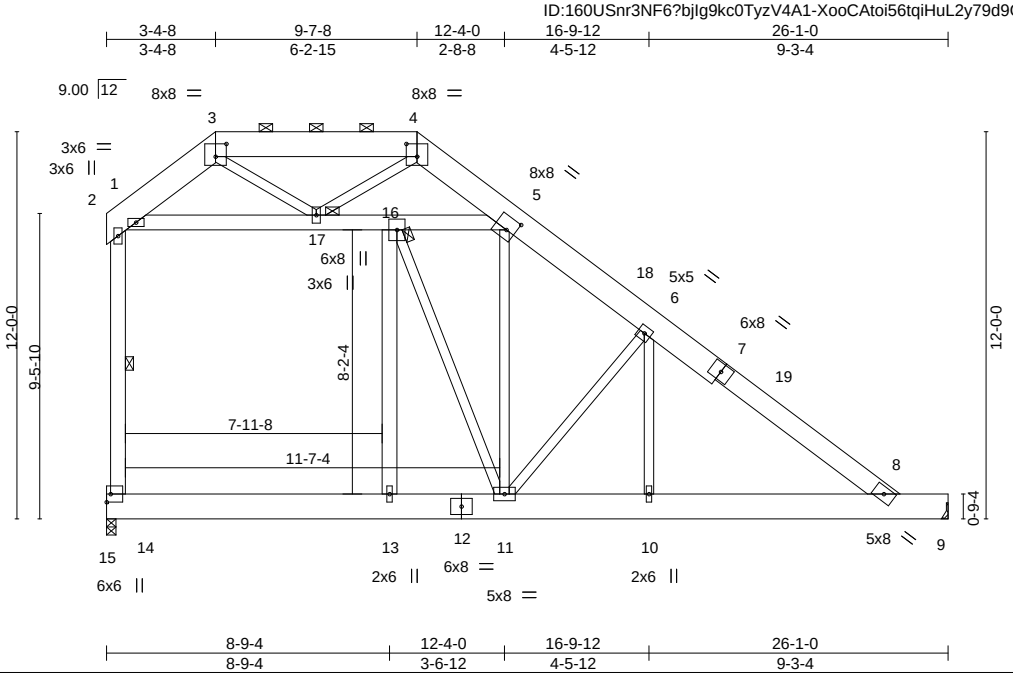

Scale = 1:71.4

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

LOADING (psf)		SPACING- 2-6-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.45	Vert(LL)	-0.15	13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.46	Vert(CT)	-0.34	13	>912	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.86	Horz(CT)	-0.01	14	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.09	13	>999	240	Weight: 665 lb	FT = 20%

LUMBER-

TOP CHORD	2x10 SP No.1 *Except*
	7-8: 2x8 SP No.1
BOT CHORD	2x10 SP No.1
WEBS	2x4 SP No.2 *Except*
	1-14,2-5,13-16: 2x6 SP No.1

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 1-14
JOINTS	1 Brace at Jt(s): 16, 17

REACTIONS. (size) 14=0-3-8, 9=Mechanical
Max Horz 9=-396(LC 13)
Max Grav 14=2142(LC 21), 9=1408(LC 21)

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

TOP CHORD	1-2=-887/241, 2-3=-1961/212, 3-4=-2851/128, 4-5=-2291/221, 5-6=-1681/271, 6-8=-2253/219, 1-14=-1293/168
BOT CHORD	10-11=-129/1934, 8-10=-131/1927, 8-9=-396/231
WEBS	2-17=0/1285, 16-17=0/2102, 5-16=0/1292, 13-16=-625/127, 3-17=0/1833, 4-17=0/783, 11-16=-223/2209, 6-11=-1520/322, 6-10=0/541

NOTES-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2x10 - 2 rows staggered at 0-9-0 oc, 2x8 - 2 rows staggered at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
   Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-9-0 oc.
   Webs connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 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 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-4 to 15-10-2, Interior(1) 15-10-2 to 24-7-2 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Ceiling dead load (10.0 psf) on member(s). 2-17, 16-17, 5-16; Wall dead load (5.0psf) on member(s).13-16
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 13-14
10) Refer to girder(s) for truss to truss connections.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Attic room checked for L/360 deflection.

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	A7	ROOF TRUSS	2	1	E14316643
					Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.330 s Mar 23 2020 MiTek Industries, Inc. Mon Apr 20 14:21:03 2020 Page 1

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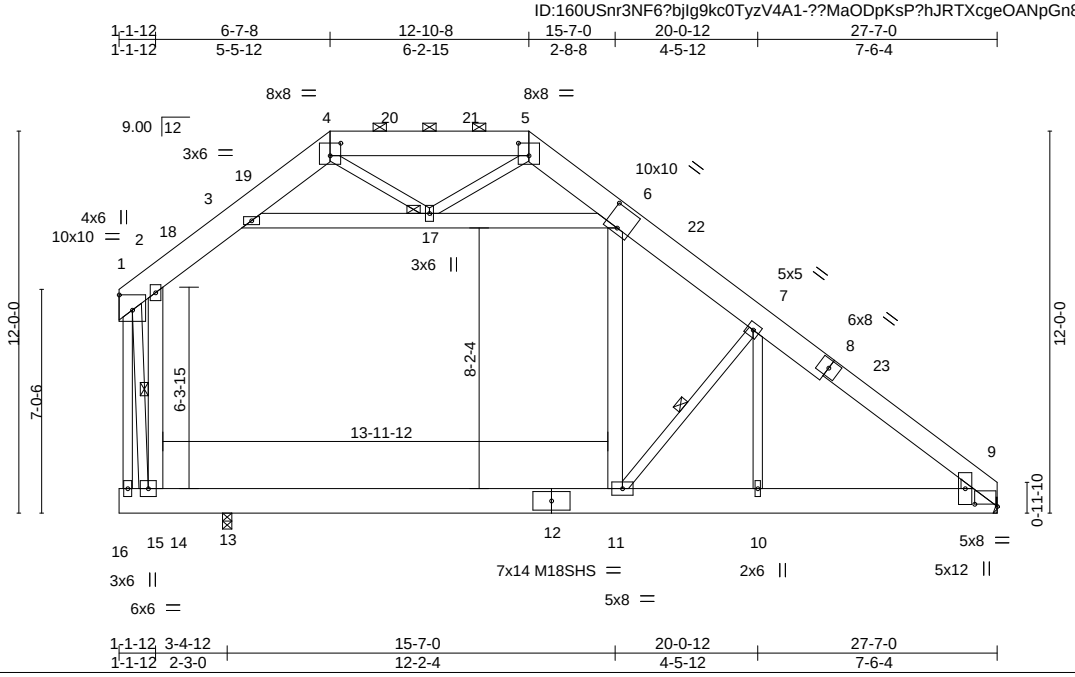

Plate Offsets (X,Y)-- [1:Edge,0-5-12], [4:0-4-0,0-4-12], [5:0-4-0,0-4-12], [6:0-5-0,0-8-0], [9:0-8-8,0-0-14]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.92	Vert(LL)	-0.30	11-13	>974	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.61	11-13	>471	240	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.01	9	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-S		Wind(LL)	0.16	11	>999	240	Weight: 343 lb	FT = 20%

LUMBER-

TOP CHORD 2x10 SP 2400F 2.0E *Except* 8-9: 2x8 SP No.1

BOT CHORD 2x10 SP 2400F 2.0E

WEBS 2x4 SP No.2 *Except* 6-11,2-14,3-6: 2x6 SP No.1

WEDGE Right: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-5.

BOT CHORD Rigid ceiling directly applied or 8-6-0 oc bracing.

WEBS 1 Row at midpt 7-11, 2-14

JOINTS 1 Brace at Jt(s): 17

REACTIONS. (size) 9=Mechanical, 13=0-3-8
Max Horz 13=-264(LC 13)
Max Grav 9=1214(LC 21), 13=2371(LC 2)

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

TOP CHORD 1-2=-80/948, 2-3=-915/143, 3-4=-835/210, 4-5=-1028/144, 5-6=-1187/186, 6-7=-1098/93, 7-9=-1715/76, 1-15=-1045/179

BOT CHORD 13-14=0/467, 11-13=0/520, 10-11=0/1305, 9-10=0/1296

WEBS 6-11=0/1066, 7-10=-10/659, 7-11=-1642/270, 2-14=-3086/287, 3-17=-228/303, 6-17=-14/1084, 4-17=0/880, 5-17=-656/53, 1-14=0/3033

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-2-4 to 4-7-0, Interior(1) 4-7-0 to 6-7-8, Exterior(2) 6-7-8 to 11-0-5, Interior(1) 11-0-5 to 12-10-8, Exterior(2) 12-10-8 to 17-3-4, Interior(1) 17-3-4 to 27-6-4 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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Ceiling dead load (10.0 psf) on member(s). 2-3, 3-17, 6-17; Wall dead load (5.0psf) on member(s).6-11, 2-14
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 13-14, 11-13
9) Refer to girder(s) for truss to truss connections.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Attic room checked for L/360 deflection.

April 20,2020

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	A8	ROOF TRUSS	1	2	E14316644
					Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.330 s Mar 23 2020 MiTek Industries, Inc. Mon Apr 20 14:21:05 2020 Page 1
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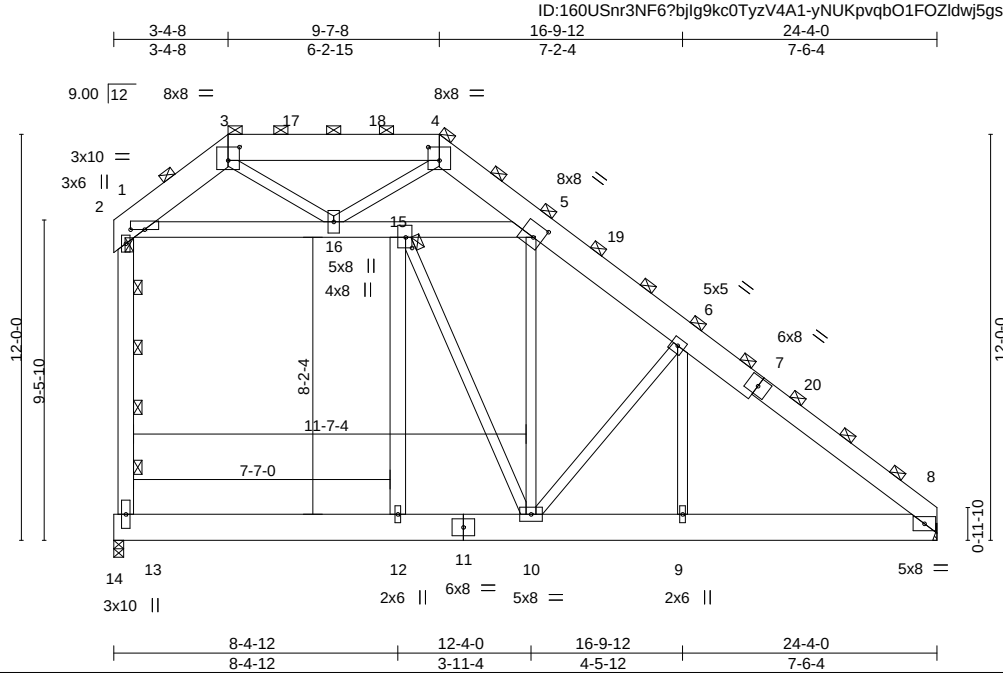

Plate Offsets (X,Y)-- [2:0-5-0,0-0-0], [3:0-4-0,0-4-12], [4:0-4-0,0-4-12], [5:0-3-4,0-4-12], [15:0-3-12,0-2-4]

LOADING (psf)		SPACING- 3-9-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.39	Vert(LL)	-0.13	12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.26	Vert(CT)	-0.30	12	>945	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.61	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.08	12	>999	240	Weight: 653 lb	FT = 20%

LUMBER-

TOP CHORD	2x10 SP No.1 *Except*
	4-7: 2x10 SP 2400F 2.0E, 7-8: 2x8 SP No.1
BOT CHORD	2x10 SP 2400F 2.0E
WEBS	2x4 SP No.2 *Except*
	2-5: 2x6 SP 2400F 2.0E, 12-15: 2x6 SP No.1
OTHERS	2x6 SP No.1

BRACING-

TOP CHORD	2-0-0 oc purlins (6-0-0 max.)
	(Switched from sheeted: Spacing > 2-8-0).
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS	1 Brace at Jt(s): 3, 4, 1, 15

REACTIONS. (size) 13=0-3-8, 8=Mechanical
Max Horz 13=-594(LC 13)
Max Grav 13=3038(LC 2), 8=2042(LC 21)

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

TOP CHORD	1-2=-1270/340, 2-3=-2944/248, 3-4=-4212/87, 4-5=-3303/245, 5-6=-2208/378, 6-8=-2700/279, 1-13=-1902/215
BOT CHORD	12-13=-260/607, 10-12=-260/607, 9-10=0/2014, 8-9=0/2012
WEBS	2-16=0/2045, 15-16=0/2960, 5-15=0/1801, 6-9=0/397, 6-10=-1438/432, 12-15=-630/216, 3-16=0/2600, 4-16=0/1425, 10-15=-218/2920, 5-10=-601/53

NOTES-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2x10 - 2 rows staggered at 0-9-0 oc, 2x8 - 2 rows staggered at 0-9-0 oc.
   Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-9-0 oc.
   Webs connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 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 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-4 to 7-9-5, Interior(1) 7-9-5 to 9-7-8, Exterior(2) 9-7-8 to 14-0-4, Interior(1) 14-0-4 to 24-3-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Ceiling dead load (10.0 psf) on member(s). 2-16, 15-16, 5-15; Wall dead load (5.0psf) on member(s).12-15
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 12-13
10) Refer to girder(s) for truss to truss connections.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Attic room checked for L/360 deflection.

April 20,2020

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

Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	A9	ROOF TRUSS	1	2	E14316645
					Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.330 s Mar 23 2020 MiTek Industries, Inc. Mon Apr 20 14:21:07 2020 Page 1
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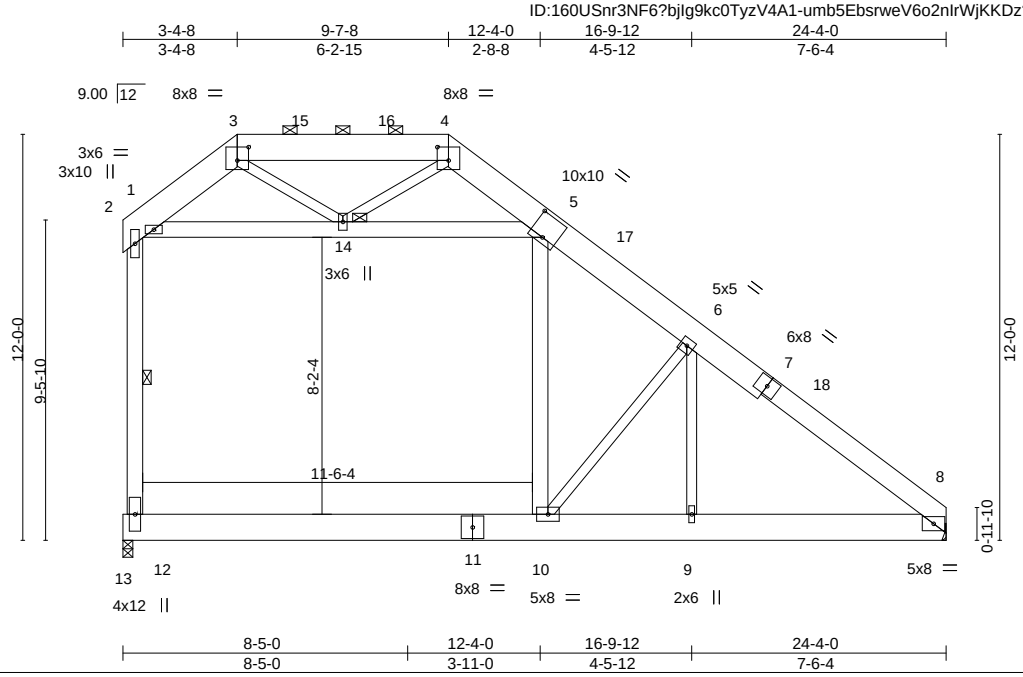

Plate Offsets (X,Y)-- [3:0-4-0,0-4-12], [4:0-4-0,0-4-12], [5:0-5-0,0-8-0]

LOADING (psf)		SPACING- 2-6-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.69	Vert(LL)	-0.29	10-12	>976	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.36	Vert(CT)	-0.60	10-12	>477	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.46	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.16	10-12	>999	240	Weight: 602 lb	FT = 20%

LUMBER-

TOP CHORD	2x10 SP 2400F 2.0E *Except*
	7-8: 2x8 SP No.1
BOT CHORD	2x10 SP 2400F 2.0E
WEBS	2x4 SP No.2 *Except*
	2-5,5-10: 2x6 SP No.1
OTHERS	2x6 SP No.1

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.
WEBS	1 Row at midpt 1-12
JOINTS	1 Brace at Jt(s): 14

REACTIONS. (size) 12=0-3-8, 8=Mechanical
Max Horz 12=-396(LC 13)
Max Grav 12=2236(LC 2), 8=1546(LC 21)

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

TOP CHORD	1-2=-898/232, 2-3=-1304/209, 3-4=-1875/122, 4-5=-2068/193, 5-6=-1375/171,
	6-8=-2219/117, 1-12=-1149/160
BOT CHORD	10-12=-80/418, 9-10=0/1716, 8-9=0/1703
WEBS	2-14=-38/643, 5-14=0/2565, 6-9=0/859, 6-10=-2676/280, 3-14=0/1420, 4-14=-1188/77,
	5-10=0/1941

NOTES-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2x10 - 2 rows staggered at 0-9-0 oc, 2x8 - 2 rows staggered at 0-9-0 oc.
   Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-9-0 oc.
   Webs connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 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 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-4 to 7-9-5, Interior(1) 7-9-5 to 9-7-8, Exterior(2) 9-7-8 to 14-0-4, Interior(1) 14-0-4 to 24-3-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Ceiling dead load (10.0 psf) on member(s). 2-14, 5-14; Wall dead load (5.0psf) on member(s).5-10
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 10-12
10) Refer to girder(s) for truss to truss connections.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Attic room checked for L/360 deflection.

April 20,2020

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

Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	B1	ATTIC	5	1	E14316646
					Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.330 s Mar 23 2020 MiTek Industries, Inc. Mon Apr 20 14:21:09 2020 Page 1
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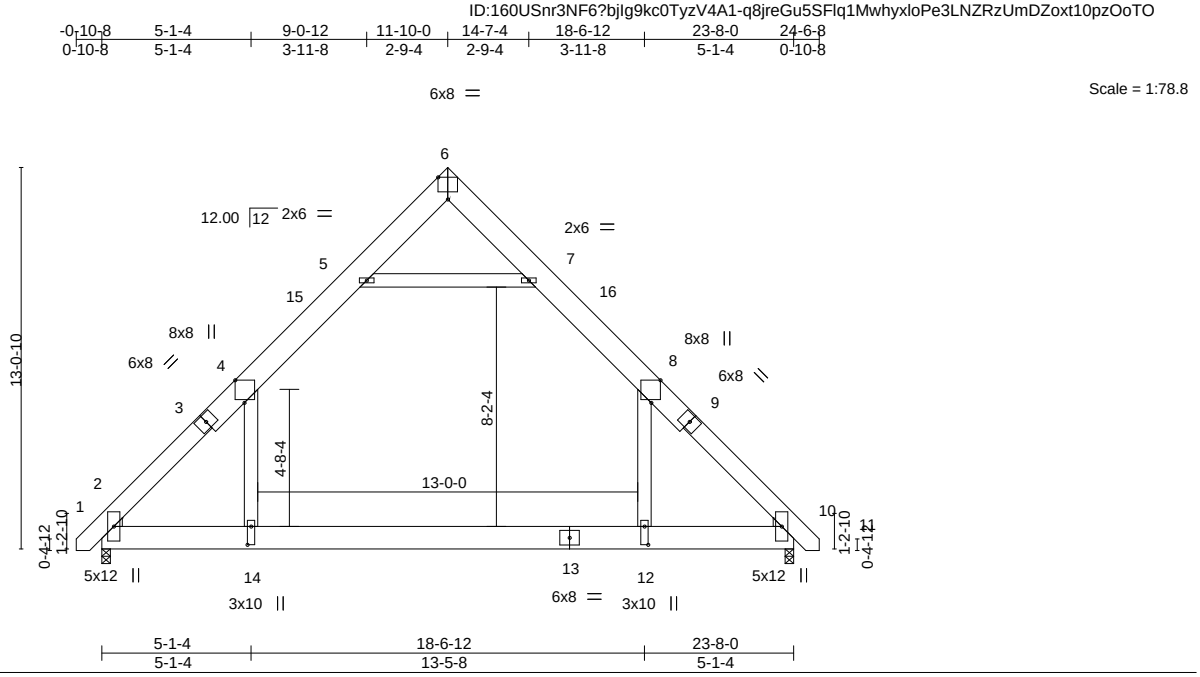

Plate Offsets (X,Y)-- [2:0-2-7,0-2-7], [2:0-4-14,0-7-4], [4:0-9-5,Edge], [6:0-4-0,Edge], [8:0-9-5,Edge], [10:0-4-14,0-7-4], [10:0-2-7,0-2-7], [12:0-7-8,0-1-8], [14:0-7-8,0-1-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.66	Vert(LL)	-0.23	12-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.79	Vert(CT)	-0.38	12-14	>735	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.01	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.05	12-14	>999	240	Weight: 263 lb	FT = 20%

LUMBER-
TOP CHORD 2x10 SP No.1 *Except*
1-3,9-11: 2x8 SP No.1
BOT CHORD 2x10 SP No.1
WEBS 2x6 SP No.1
WEDGE
Left: 2x4 SP No.2 , Right: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-3-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-6-8 oc bracing.

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=-296(LC 10)
Max Grav 2=1609(LC 20), 10=1609(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-2245/0, 4-5=-1238/147, 5-6=-10/359, 6-7=-11/360, 7-8=-1238/147, 8-10=-2244/0
BOT CHORD 2-14=0/1285, 12-14=0/1293, 10-12=0/1284
WEBS 5-7=-1642/167, 4-14=0/1249, 8-12=0/1249

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-7-12 to 3-9-1, Interior(1) 3-9-1 to 11-10-0, Exterior(2) 11-10-0 to 16-2-13, Interior(1) 16-2-13 to 24-3-12 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Ceiling dead load (10.0 psf) on member(s). 4-5, 7-8, 5-7; Wall dead load (5.0psf) on member(s).4-14, 8-12
6) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 12-14
7) Attic room checked for L/360 deflection.

April 20,2020

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

Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	B1GE	ATTIC	1	1	E14316647
					Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.330 s Mar 23 2020 MiTek Industries, Inc. Mon Apr 20 14:21:10 2020 Page 1
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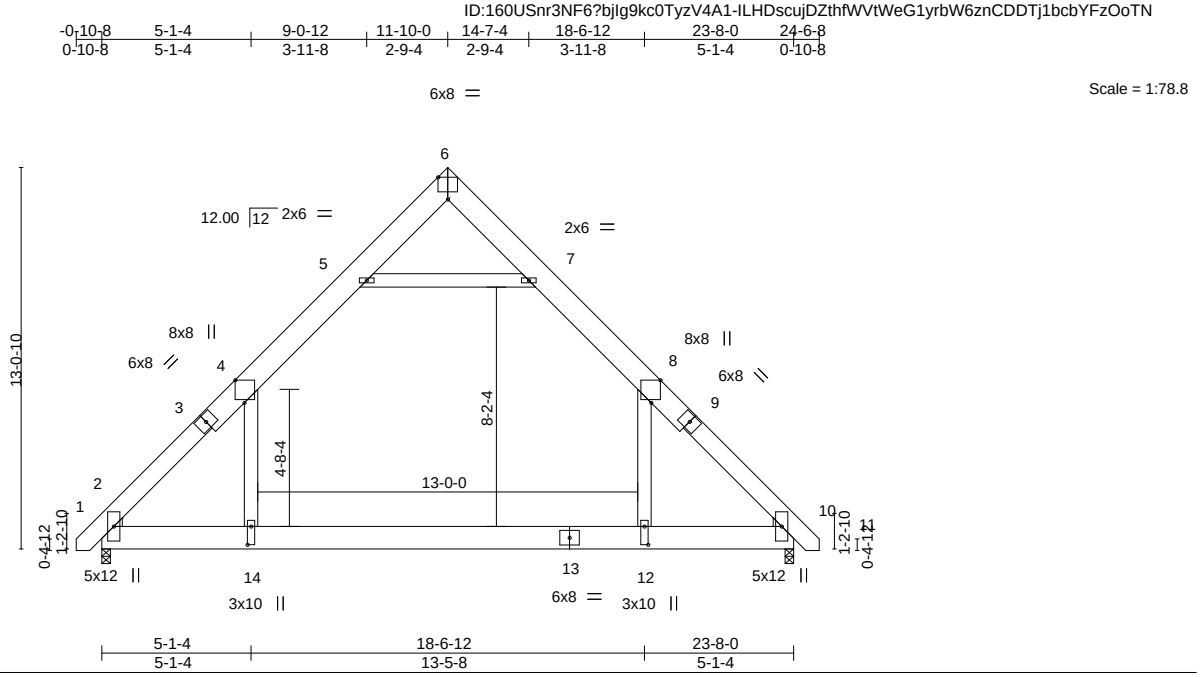

Plate Offsets (X,Y)-- [2:0-2-7,0-2-7], [2:0-4-14,0-7-4], [4:0-9-5,Edge], [6:0-4-0,Edge], [8:0-9-5,Edge], [10:0-4-14,0-7-4], [10:0-2-7,0-2-7], [12:0-7-8,0-1-8], [14:0-7-8,0-1-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.66	Vert(LL)	-0.23	12-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.79	Vert(CT)	-0.38	12-14	>735	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.01	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.08	12-14	>999	240	Weight: 263 lb	FT = 20%

LUMBER-
TOP CHORD 2x10 SP No.1 *Except*
1-3,9-11: 2x8 SP No.1
BOT CHORD 2x10 SP No.1
WEBS 2x6 SP No.1
WEDGE
Left: 2x4 SP No.2 , Right: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-3-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-6-8 oc bracing.

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=-370(LC 10)
Max Grav 2=1603(LC 20), 10=1603(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-2264/0, 4-5=-1244/189, 5-6=-27/371, 6-7=-28/372, 7-8=-1244/189, 8-10=-2264/0
BOT CHORD 2-14=0/1311, 12-14=0/1318, 10-12=0/1309
WEBS 5-7=-1632/263, 4-14=0/1249, 8-12=0/1249

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-7-12 to 3-9-1, Exterior(2) 3-9-1 to 11-10-0, Corner(3) 11-10-0 to 16-2-13, Exterior(2) 16-2-13 to 24-3-12 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Ceiling dead load (10.0 psf) on member(s). 4-5, 7-8, 5-7; Wall dead load (5.0psf) on member(s).4-14, 8-12
6) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 12-14
7) Attic room checked for L/360 deflection.

April 20,2020

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

Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	B2	ATTIC	4	1	E14316648
					Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.330 s Mar 23 2020 MiTek Industries, Inc. Mon Apr 20 14:21:12 2020 Page 1
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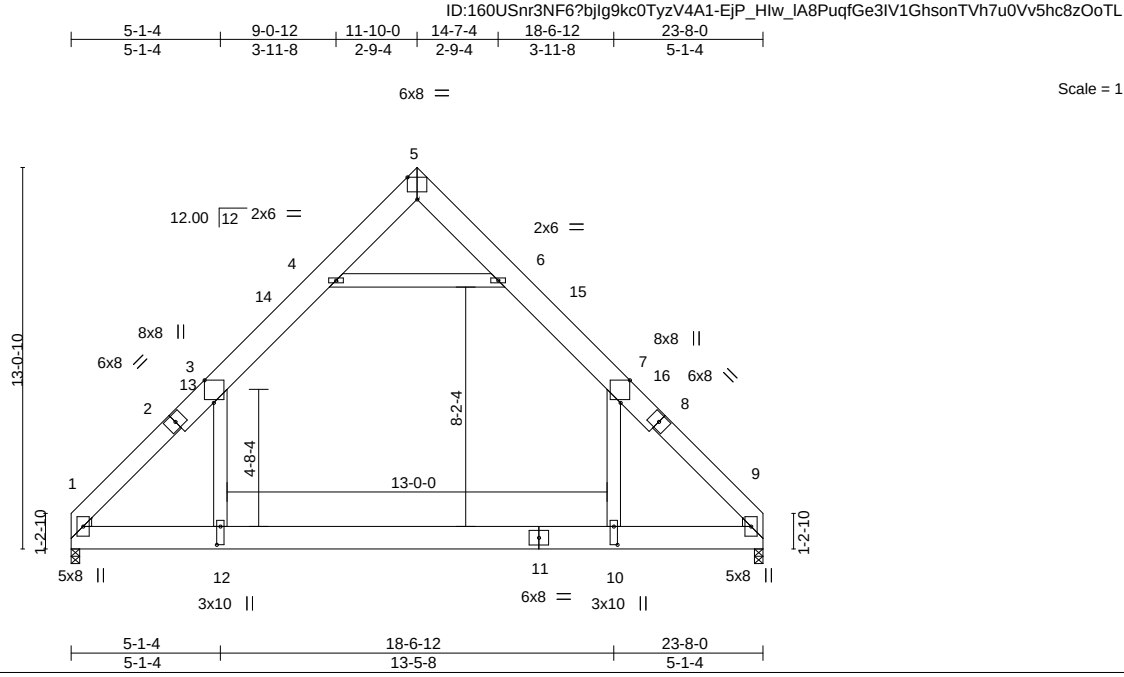

Plate Offsets (X,Y)-- [1:0-2-7,0-2-7], [1:0-4-14,0-7-4], [3:0-9-5,Edge], [5:0-4-0,Edge], [7:0-9-5,Edge], [9:0-4-14,0-7-4], [9:0-2-7,0-2-7], [10:0-7-8,0-1-8], [12:0-7-8,0-1-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.65	Vert(LL)	-0.24	10-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.81	Vert(CT)	-0.39	10-12	>718	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.01	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.06	10-12	>999	240	Weight: 257 lb	FT = 20%

LUMBER-
TOP CHORD 2x10 SP No.1 *Except*
1-2,8-9: 2x8 SP No.1
BOT CHORD 2x10 SP No.1
WEBS 2x6 SP No.1
WEDGE
Left: 2x4 SP No.2 , Right: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-3-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-3-4 oc bracing.

REACTIONS. (size) 1=0-3-8, 9=0-3-8
Max Horz 1=291(LC 9)
Max Grav 1=1572(LC 21), 9=1572(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-2224/0, 3-4=-1240/151, 4-5=-8/369, 5-6=-9/370, 6-7=-1240/151, 7-9=-2223/0
BOT CHORD 1-12=0/1286, 10-12=0/1293, 9-10=0/1284
WEBS 4-6=-1660/180, 3-12=0/1213, 7-10=0/1213

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-1-12 to 4-6-9, Interior(1) 4-6-9 to 11-10-0, Exterior(2) 11-10-0 to 16-2-13, Interior(1) 16-2-13 to 23-6-4 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Ceiling dead load (10.0 psf) on member(s). 3-4, 6-7, 4-6; Wall dead load (5.0psf) on member(s).3-12, 7-10
6) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 10-12
7) Attic room checked for L/360 deflection.

April 20,2020

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A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	B3	ATTIC	1	2	E14316649
					Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.330 s Mar 23 2020 MiTek Industries, Inc. Mon Apr 20 14:21:14 2020 Page 1
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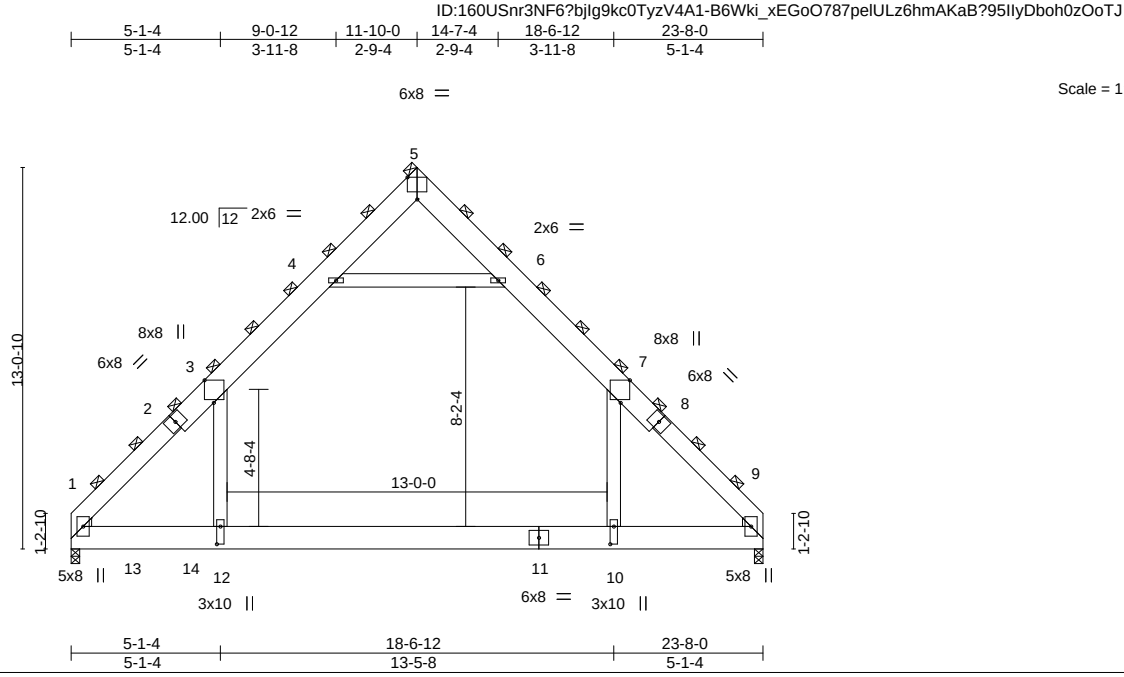

Plate Offsets (X,Y)-- [1:0-2-7,0-2-7], [1:0-4-14,0-7-4], [3:0-9-5,Edge], [5:0-4-0,Edge], [7:0-9-5,Edge], [9:0-4-14,0-7-4], [9:0-2-7,0-2-7], [10:0-7-4,0-1-8], [12:0-7-4,0-1-8]

LOADING (psf)		SPACING- 3-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0		Plate Grip DOL 1.15	TC 0.77	Vert(LL) -0.18 10-12 >999 360	MT20 244/190
TCDL 10.0		Lumber DOL 1.15	BC 0.68	Vert(CT) -0.32 10-12 >888 240	
BCLL 0.0	*	Rep Stress Incr NO	WB 0.16	Horz(CT) 0.01 9 n/a n/a	
BCDL 10.0		Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.04 10-12 >999 240	Weight: 514 lb FT = 20%

LUMBER-
TOP CHORD 2x10 SP No.1 *Except*
1-2,8-9: 2x8 SP No.1
BOT CHORD 2x10 SP No.1
WEBS 2x6 SP No.1
WEDGE
Left: 2x4 SP No.2 , Right: 2x4 SP No.2

BRACING-
TOP CHORD 2-0-0 oc purlins (6-0-0 max.)
(Switched from sheeted: Spacing > 2-8-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-3-8, 9=0-3-8
Max Horz 1=436(LC 25)
Max Grav 1=3895(LC 2), 9=2558(LC 34)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-3992/0, 3-4=-2030/0, 4-5=0/776, 5-6=0/645, 6-7=-2154/0, 7-9=-3819/0
BOT CHORD 1-12=0/2251, 10-12=0/2268, 9-10=0/2253
WEBS 4-6=-3051/0, 3-12=0/2402, 7-10=0/2028

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc, 2x10 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Ceiling dead load (10.0 psf) on member(s). 3-4, 6-7, 4-6; Wall dead load (5.0psf) on member(s).3-12, 7-10
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 10-12
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 936 lb down at 2-0-12, and 936 lb down at 4-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
11) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

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Continued on page 2

ENGINEERING BY TRENCO
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818 Soundside Road
Edenton, NC 27932

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-12=-30, 10-12=-60, 9-10=-30, 1-3=-90, 3-4=-120, 4-5=-90, 5-6=-90, 6-7=-120, 7-9=-90, 4-6=-30

Drag: 3-12=-15, 7-10=-15

Concentrated Loads (lb)

Vert: 13=-936(B) 14=-936(B)

Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	C1	COMMON	6	1	E14316650 Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.330 s Mar 23 2020 MiTek Industries, Inc. Mon Apr 20 14:21:15 2020 Page 1
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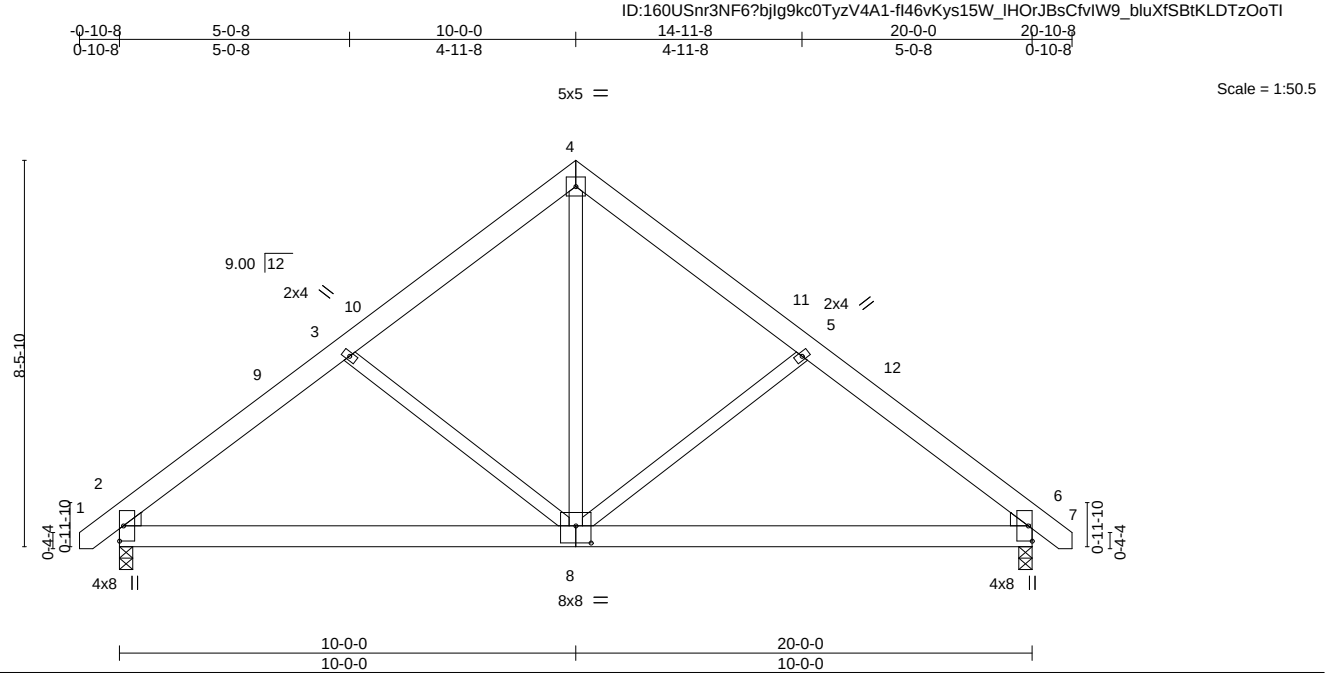

Plate Offsets (X,Y)-- [2:0-0-6,0-0-8], [2:0-0-12,0-4-2], [6:0-0-12,0-4-2], [6:0-0-6,0-0-8], [8:0-4-0,0-4-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	-0.05	2-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.32	Vert(CT)	-0.10	2-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.01	2-8	>999	240	Weight: 142 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2 , Right: 2x4 SP No.2

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

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=-193(LC 10)
Max Uplift 2=-48(LC 12), 6=-48(LC 13)
Max Grav 2=841(LC 1), 6=841(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-966/250, 3-4=-771/243, 4-5=-771/243, 5-6=-966/250
BOT CHORD 2-8=-91/742, 6-8=-93/690
WEBS 4-8=-128/621, 5-8=-311/214, 3-8=-311/214

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-12 to 3-8-1, Interior(1) 3-8-1 to 10-0-0, Exterior(2) 10-0-0 to 14-4-13, Interior(1) 14-4-13 to 20-8-12 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.

April 20,2020

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

Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	C1GE	GABLE	1	1	E14316651
					Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.330 s Mar 23 2020 MiTek Industries, Inc. Mon Apr 20 14:21:16 2020 Page 1
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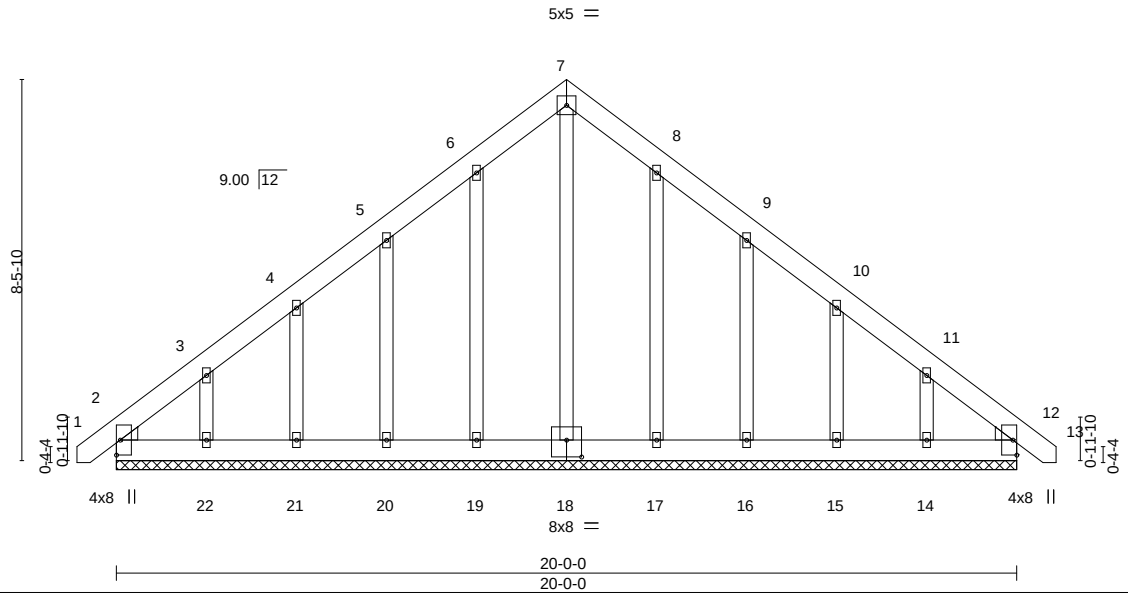
0-10-8 10-0-0 10-0-0 0-10-8

Scale = 1:51.2



20-0-0
20-0-0

Plate Offsets (X,Y)-- [2:0-0-6,0-0-8], [2:0-0-12,0-4-2], [12:0-0-6,0-0-8], [12:0-0-12,0-4-2], [18:0-4-0,0-4-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.03	Vert(LL)	0.00	12	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	0.00	12	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 169 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
OTHERS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2 , Right: 2x4 SP No.2

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

REACTIONS. All bearings 20-0-0.
(lb) - Max Horz 2=241(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 12, 19, 21, 17, 15 except 20=-108(LC 12), 22=-156(LC 12), 16=-110(LC 13), 14=-149(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 12, 18, 19, 20, 21, 22, 17, 16, 15, 14

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-268/191

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-8-12 to 3-8-1, Exterior(2) 3-8-1 to 10-0-0, Corner(3) 10-0-0 to 14-4-13, Exterior(2) 14-4-13 to 20-8-12 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) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12, 19, 21, 17, 15 except (jt=lb) 20=108, 22=156, 16=110, 14=149.

April 20,2020

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

Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	D1	COMMON	3	1	E14316652
					Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.330 s Mar 23 2020 MiTek Industries, Inc. Mon Apr 20 14:21:17 2020 Page 1
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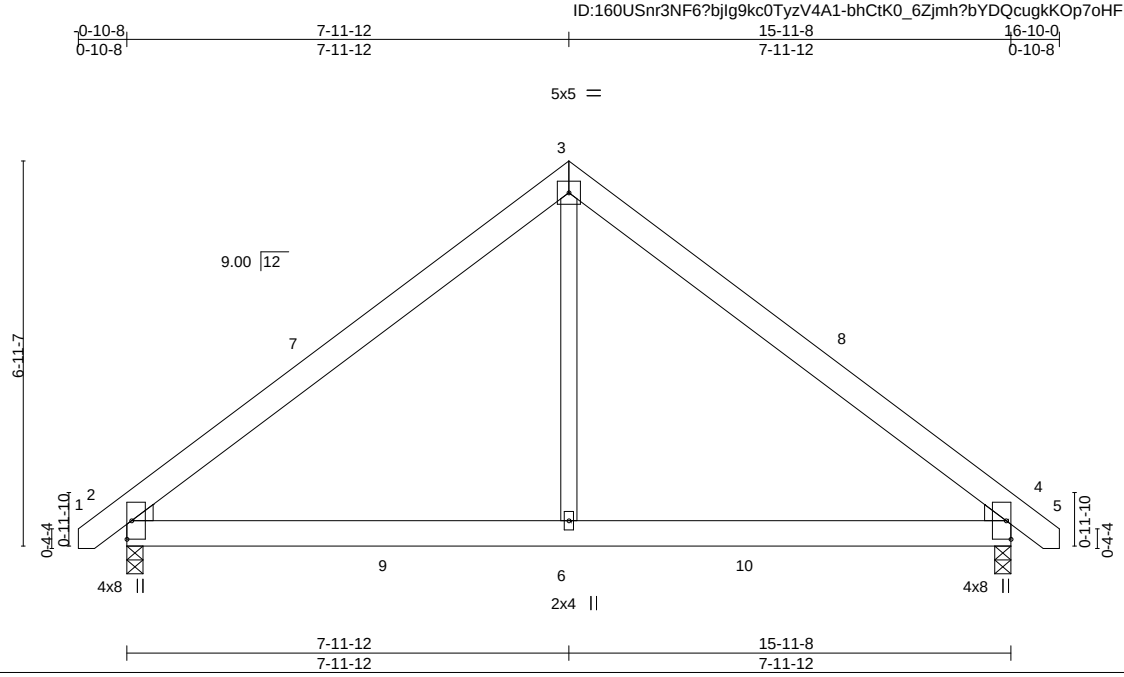

Plate Offsets (X,Y)-- [2:0-0-6,0-0-8], [2:0-0-12,0-4-2], [4:0-0-6,0-0-8], [4:0-0-12,0-4-2]

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	0.29	Vert(LL)	-0.03	2-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.32	Vert(CT)	-0.06	2-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.06	4-6	>999	240	Weight: 100 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2 , Right: 2x4 SP No.2

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

REACTIONS. (size) 2=0-3-8, 4=0-3-8
Max Horz 2=-157(LC 10)
Max Uplift 2=-91(LC 9), 4=-91(LC 8)
Max Grav 2=737(LC 2), 4=737(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-829/625, 3-4=-829/624
BOT CHORD 2-6=-325/554, 4-6=-325/554
WEBS 3-6=-496/549

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-12 to 3-8-1, Interior(1) 3-8-1 to 7-11-12, Exterior(2) 7-11-12 to 12-4-9, Interior(1) 12-4-9 to 16-8-4 zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.

April 20,2020

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A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	D1GE	GABLE	1	1	E14316653
					Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.330 s Mar 23 2020 MiTek Industries, Inc. Mon Apr 20 14:21:19 2020 Page 1
ID:160USnr3NF6?bjIg9kc0TyzV4A1-X4KdIh?N5K0PEvhcY1w8plTDib2QqNy16VIZMEzOoTE

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0-10-8 7-11-12 7-11-12 0-10-8

Scale = 1:40.3

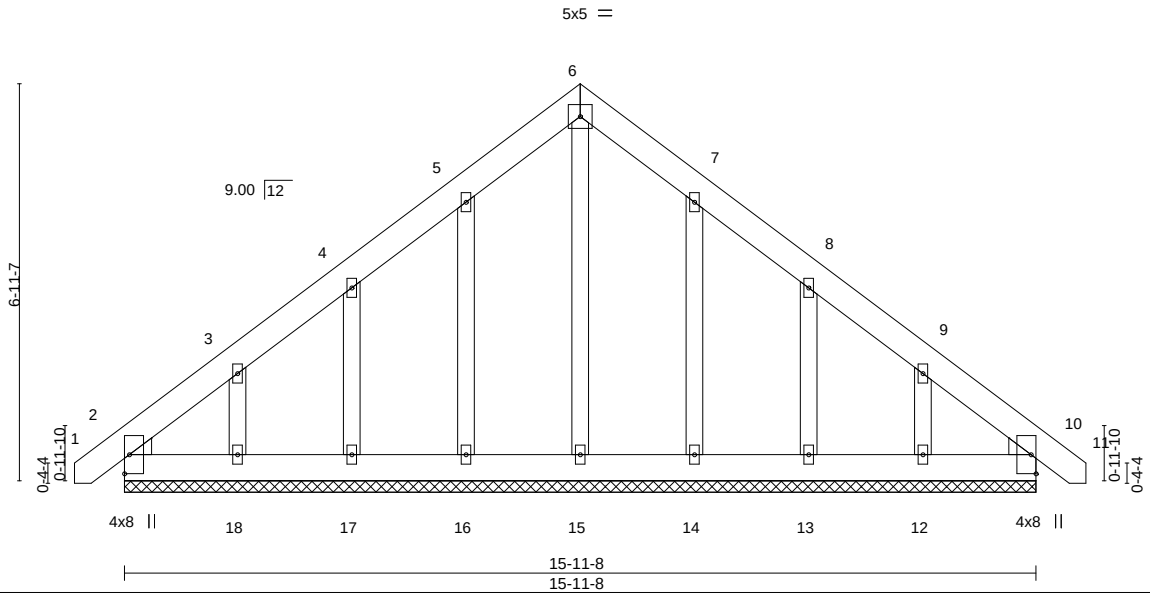

Plate Offsets (X,Y)-- [2:0-0-6,0-0-8], [2:0-0-12,0-4-2], [10:0-0-6,0-0-8], [10:0-0-12,0-4-2]

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	0.03	Vert(LL)	0.00	10	n/r	120	MT20	244/190
TCDL 10.0		Lumber DOL 1.15	BC	0.02	Vert(CT)	0.00	10	n/r	120		
BCLL 0.0	*	Rep Stress Incr YES	WB	0.07	Horz(CT)	0.00	10	n/a	n/a		
BCDL 10.0		Code IRC2015/TPI2014	Matrix-S							Weight: 127 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
OTHERS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2 , Right: 2x4 SP No.2

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

REACTIONS. All bearings 15-11-8.
(lb) - Max Horz 2=-196(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10, 16, 14 except 17=-103(LC 12), 18=-145(LC 12), 13=-104(LC 13), 12=-139(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 10, 15, 16, 17, 18, 14, 13, 12

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-8-12 to 3-8-1, Exterior(2) 3-8-1 to 7-11-12, Corner(3) 7-11-12 to 12-4-9, Exterior(2) 12-4-9 to 16-8-4 zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10, 16, 14 except (jt=lb) 17=103, 18=145, 13=104, 12=139.

April 20,2020

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

Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	D2	COMMON	3	1	E14316654 Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.330 s Mar 23 2020 MiTek Industries, Inc. Mon Apr 20 14:21:20 2020 Page 1
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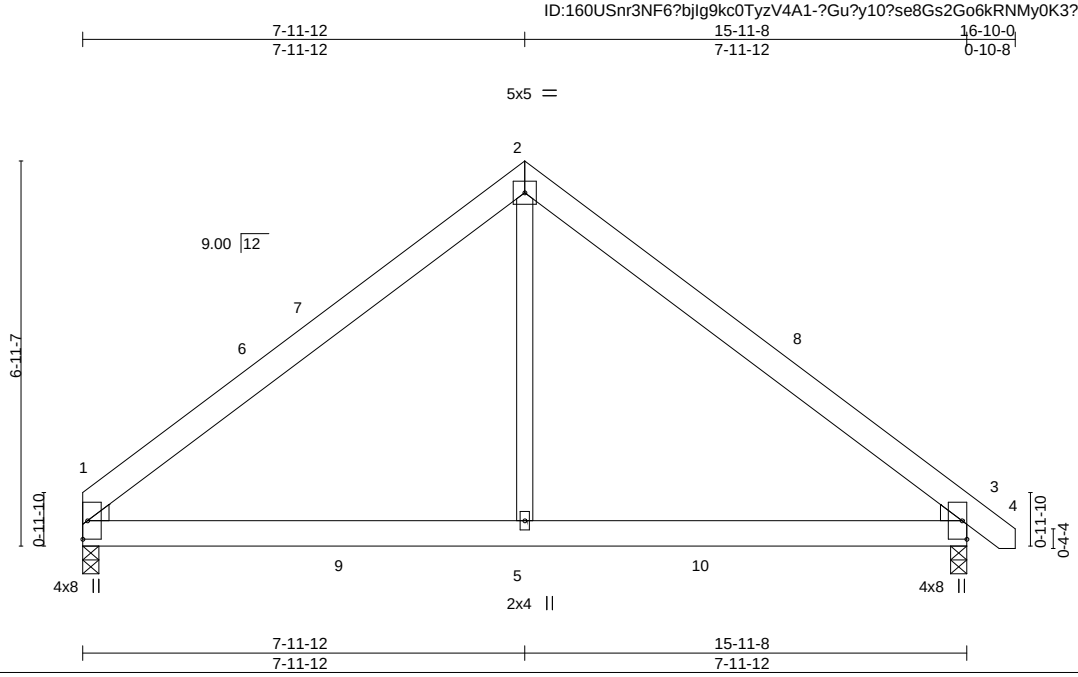

Plate Offsets (X,Y)-- [1:0-0-12,0-4-2], [1:0-0-6,0-0-8], [3:0-0-6,0-0-8], [3:0-0-12,0-4-2]

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	0.31	Vert(LL)	-0.03	3-5	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.32	Vert(CT)	-0.06	3-5	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.01	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.06	3-5	>999	240	Weight: 98 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2 , Right: 2x4 SP No.2

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

REACTIONS. (size) 3=0-3-8, 1=0-3-8
Max Horz 1=-156(LC 10)
Max Uplift 3=-91(LC 8), 1=-87(LC 9)
Max Grav 3=739(LC 2), 1=692(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-828/627, 2-3=-831/625
BOT CHORD 1-5=-329/556, 3-5=-329/556
WEBS 2-5=-494/549

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-1-12 to 4-6-9, Interior(1) 4-6-9 to 7-11-12, Exterior(2) 7-11-12 to 12-4-9, Interior(1) 12-4-9 to 16-8-4 zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 1.

April 20,2020

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

Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	E1	COMMON	4	1	E14316655
					Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.330 s Mar 23 2020 MiTek Industries, Inc. Mon Apr 20 14:21:22 2020 Page 1
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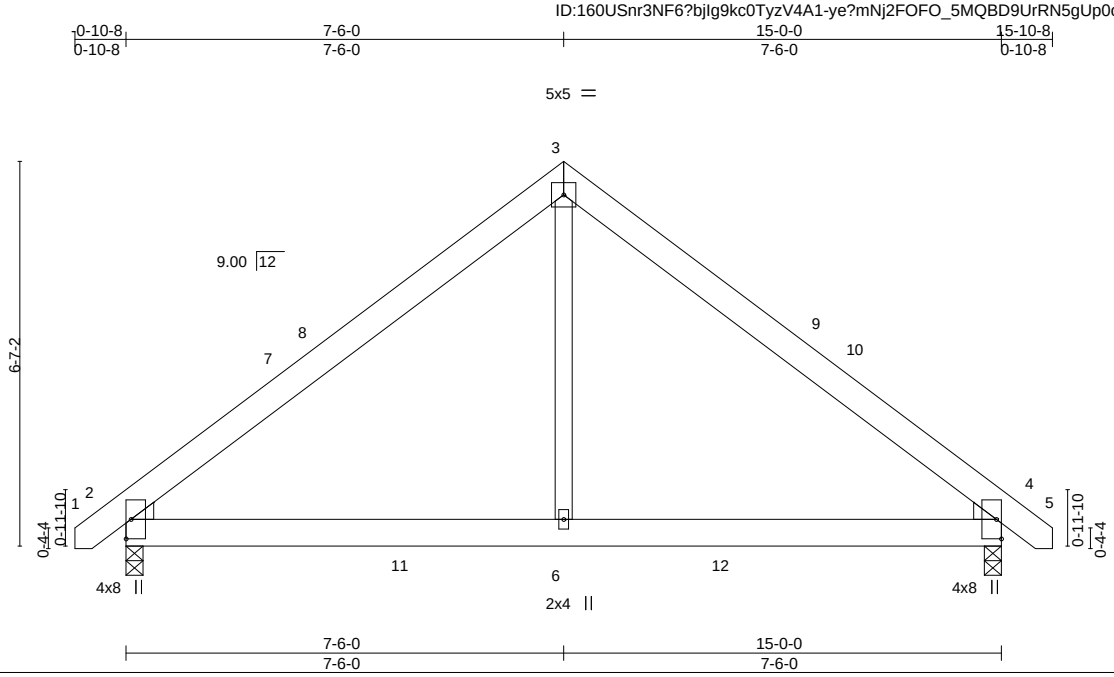

Plate Offsets (X,Y)-- [2:0-0-6,0-0-8], [2:0-0-12,0-4-2], [4:0-0-6,0-0-8], [4:0-0-12,0-4-2]

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	0.25	Vert(LL)	-0.02	2-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.24	Vert(CT)	-0.04	2-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.02	2-6	>999	240	Weight: 94 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2 , Right: 2x4 SP No.2

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

REACTIONS. (size) 2=0-3-8, 4=0-3-8
Max Horz 2=148(LC 11)
Max Uplift 2=-39(LC 12), 4=-39(LC 13)
Max Grav 2=713(LC 19), 4=713(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-806/171, 3-4=-806/171
BOT CHORD 2-6=0/562, 4-6=0/562
WEBS 3-6=0/489

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-12 to 3-8-1, Interior(1) 3-8-1 to 7-6-0, Exterior(2) 7-6-0 to 11-10-13, Interior(1) 11-10-13 to 15-8-12 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.

April 20,2020

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A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	E1GE	GABLE	1	1	E14316656
					Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.330 s Mar 23 2020 MiTek Industries, Inc. Mon Apr 20 14:21:23 2020 Page 1
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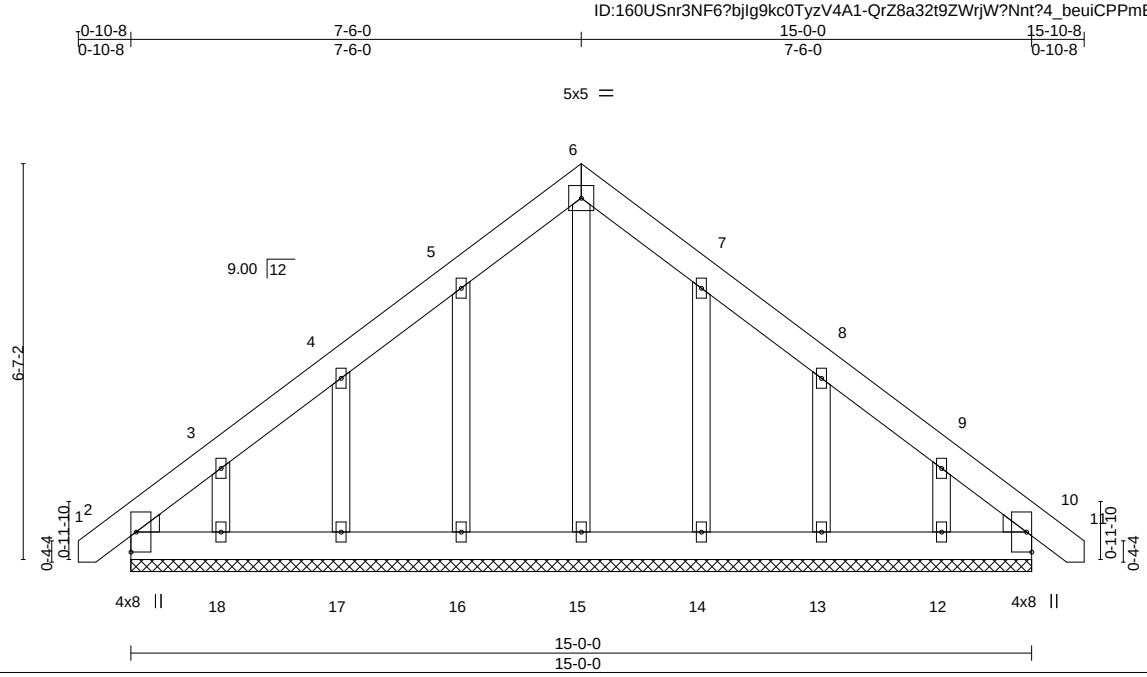

Plate Offsets (X,Y)-- [2:0-0-6,0-0-8], [2:0-0-12,0-4-2], [10:0-0-6,0-0-8], [10:0-0-12,0-4-2]

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	0.03	Vert(LL)	-0.00	10	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	-0.00	10	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 118 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
OTHERS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2 , Right: 2x4 SP No.2

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

REACTIONS. All bearings 15-0-0.
(lb) - Max Horz 2=-185(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10, 16, 14 except 17=-107(LC 12), 18=-136(LC 12), 13=-108(LC 13), 12=-128(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 10, 15, 16, 17, 18, 14, 13, 12

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-8-12 to 3-6-0, Exterior(2) 3-6-0 to 7-6-0, Corner(3) 7-6-0 to 11-10-13, Exterior(2) 11-10-13 to 15-8-12 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) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10, 16, 14 except (jt=lb) 17=107, 18=136, 13=108, 12=128.

April 20,2020

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

Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	E2	COMMON	2	1	E14316657 Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.330 s Mar 23 2020 MiTek Industries, Inc. Mon Apr 20 14:21:24 2020 Page 1
ID:160USnr3NF6?bjIg9kc0TyzV4A1-u17WoP3VwseiLgaZLaWJWoA?hci7VdbnFm0K2RzOoT9

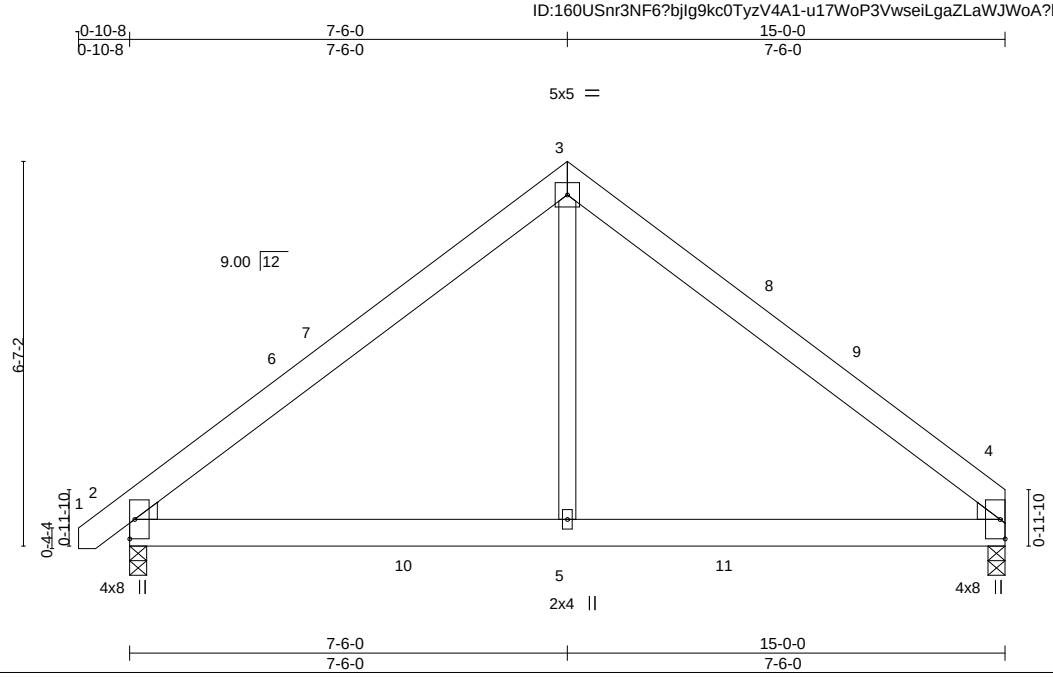

Plate Offsets (X,Y)-- [2:0-0-6,0-0-8], [2:0-0-12,0-4-2], [4:0-0-6,0-0-8], [4:0-0-12,0-4-2]

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	0.27	Vert(LL)	-0.02	2-5	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.24	Vert(CT)	-0.04	2-5	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.02	2-5	>999	240	Weight: 92 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2 , Right: 2x4 SP No.2

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

REACTIONS. (size) 2=0-3-8, 4=0-3-8
Max Horz 2=147(LC 9)
Max Uplift 2=-39(LC 12), 4=-26(LC 13)
Max Grav 2=714(LC 19), 4=662(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-808/171, 3-4=-782/170
BOT CHORD 2-5=0/562, 4-5=0/562
WEBS 3-5=0/490

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-12 to 3-8-1, Interior(1) 3-8-1 to 7-6-0, Exterior(2) 7-6-0 to 11-10-13, Interior(1) 11-10-13 to 14-10-4 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.

April 20,2020

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	E3-2PLY	COMMON	1	2	E14316658
					Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.330 s Mar 23 2020 MiTek Industries, Inc. Mon Apr 20 14:21:26 2020 Page 1
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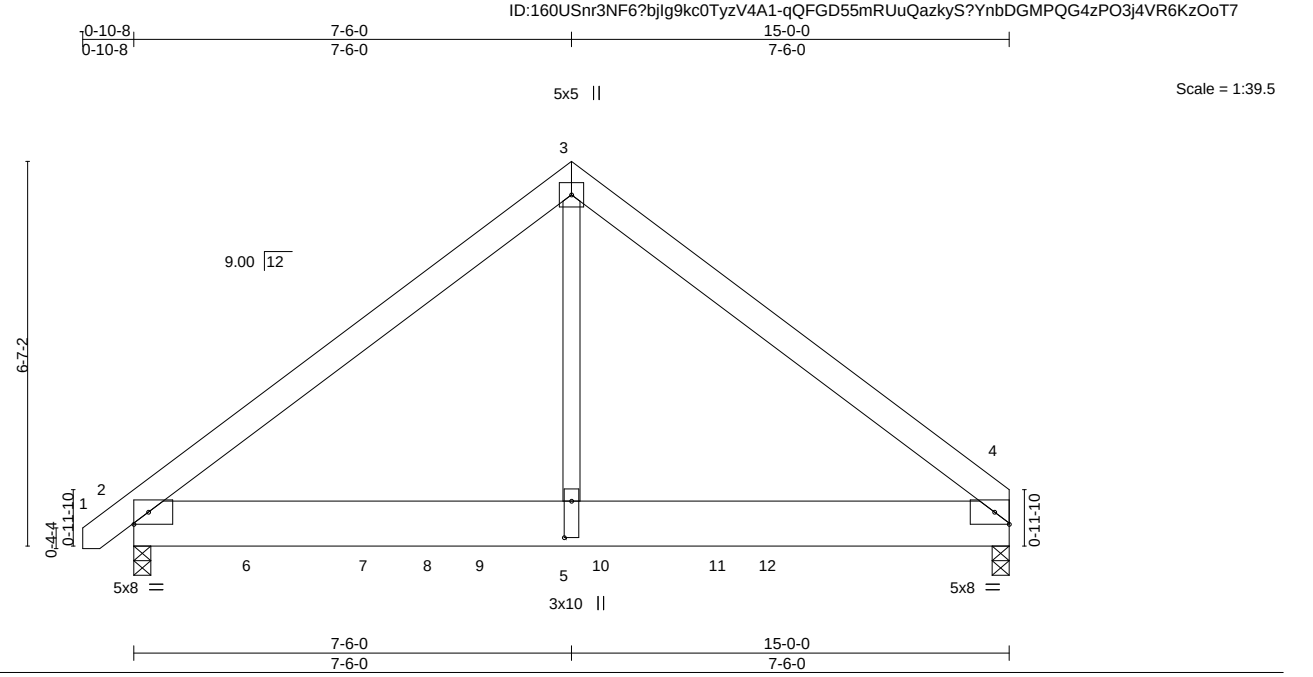

Plate Offsets (X,Y)-- [5:0-7-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.25	Vert(LL)	-0.04	4-5	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.72	Vert(CT)	-0.09	4-5	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.60	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	-0.01	4-5	>999	240	Weight: 229 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x10 SP No.1
WEBS 2x4 SP No.2

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

REACTIONS. (size) 2=0-3-8, 4=0-3-8
Max Horz 2=146(LC 24)
Max Grav 2=4153(LC 1), 4=3624(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4408/0, 3-4=-4412/0
BOT CHORD 2-5=0/3367, 4-5=0/3367
WEBS 3-5=0/4914

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-6-0 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 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1146 lb down at 2-0-12, 1146 lb down at 4-0-12, 899 lb down at 6-0-12, 899 lb down at 8-0-12, and 1093 lb down at 10-0-12, and 1367 lb down at 10-11-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-4=-20, 1-3=-60, 3-4=-60
Concentrated Loads (lb)
Vert: 6=-1146(F) 7=-1146(F) 9=-899(F) 10=-899(F) 11=-1093(F) 12=-1367(F)

April 20,2020

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A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	F1	COMMON	1	2	E14316659
					Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.330 s Mar 23 2020 MiTek Industries, Inc. Mon Apr 20 14:21:27 2020 Page 1
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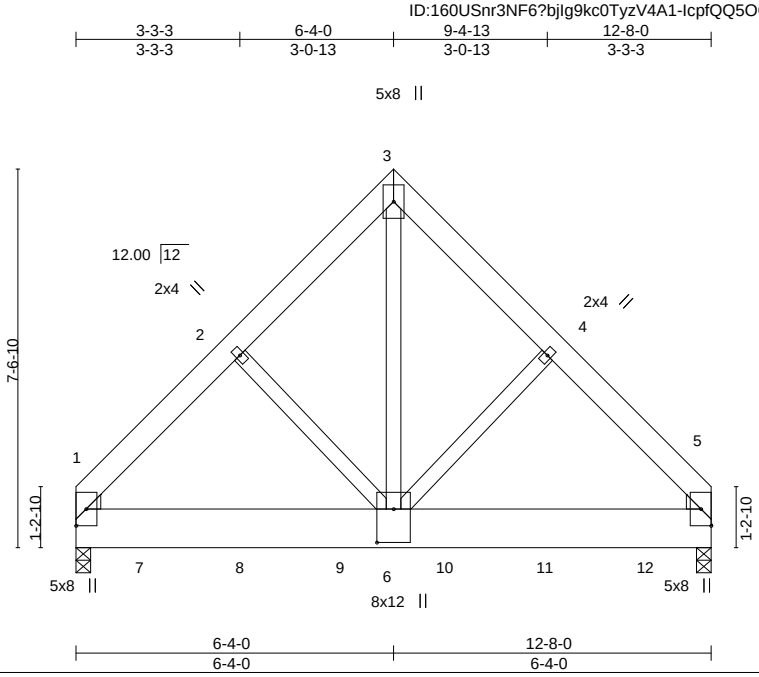

Plate Offsets (X,Y)-- [1:0-1-3,0-1-3], [1:0-2-7,0-4-12], [5:0-1-3,0-1-3], [5:0-2-7,0-4-12], [6:0-8-0,0-4-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.54	Vert(LL)	-0.04	5-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.37	Vert(CT)	-0.08	5-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.87	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	-0.00	6	>999	240	Weight: 233 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x10 SP 2400F 2.0E
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2 , Right: 2x4 SP No.2

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

REACTIONS. (size) 1=0-3-8, 5=0-3-8
Max Horz 1=-164(LC 4)
Max Grav 1=6437(LC 2), 5=6560(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-5242/0, 2-3=-5098/0, 3-4=-5098/0, 4-5=-5242/0
BOT CHORD 1-6=0/3321, 5-6=0/3322
WEBS 2-6=0/491, 3-6=0/6883, 4-6=0/490

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-5-0 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 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2022 lb down at 1-4-12, 2022 lb down at 3-4-12, 2022 lb down at 5-4-12, 2022 lb down at 7-4-12, and 2022 lb down at 9-4-12, and 2022 lb down at 11-4-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-5=-20, 1-3=-60, 3-5=-60
Concentrated Loads (lb)
Vert: 7=-1765(B) 8=-1765(B) 9=-1765(B) 10=-1765(B) 11=-1765(B) 12=-1765(B)

April 20,2020

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A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	F1GE	GABLE	1	1	E14316660
					Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.330 s Mar 23 2020 MiTek Industries, Inc. Mon Apr 20 14:21:29 2020 Page 1
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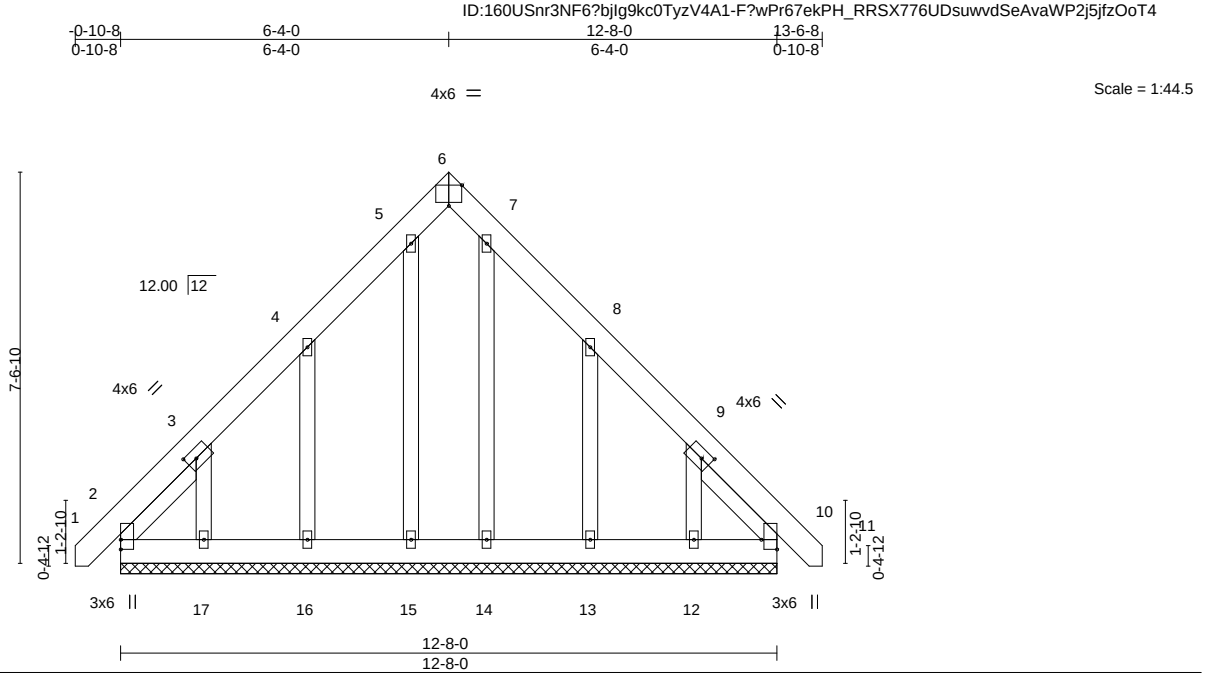

Plate Offsets (X,Y)-- [3:0-2-4,0-2-0], [6:0-3-0,Edge], [9:0-2-4,0-2-0], [10:Edge,0-3-10]

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	10	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	-0.00	10	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 119 lb	FT = 20%

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

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

REACTIONS. All bearings 12-8-0.
(lb) - Max Horz 2=-212(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10, 15 except 16=-154(LC 12), 17=-218(LC 12), 13=-155(LC 13), 12=-212(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 10, 15, 16, 17, 14, 13, 12

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-303/179, 9-10=-272/180

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-9-0 to 3-7-1, Exterior(2) 3-7-1 to 6-4-0, Corner(3) 6-4-0 to 10-8-13, Exterior(2) 10-8-13 to 13-5-0 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) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10, 15 except (jt=lb) 16=154, 17=218, 13=155, 12=212.

April 20,2020

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	M1	MONOPITCH	6	1	E14316661 Job Reference (optional)

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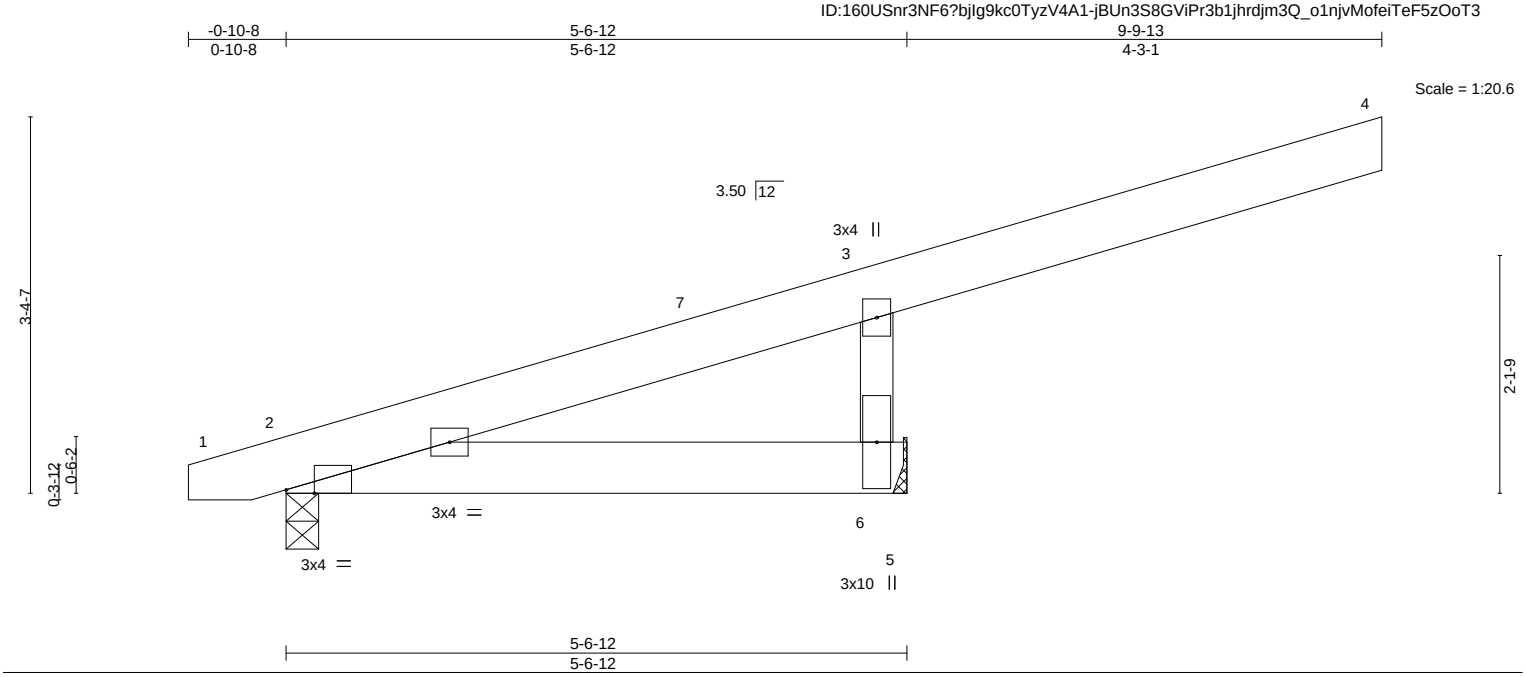

Plate Offsets (X,Y)-- [2:0-3-1,Edge]

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	0.48	Vert(LL)	-0.01	2-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	-0.02	2-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P		Wind(LL)	0.00	2	****	240	Weight: 41 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-6-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 6=Mechanical, 2=0-3-8
Max Horz 2=92(LC 8)
Max Uplift 6=-201(LC 9)
Max Grav 6=599(LC 1), 2=134(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-6=-542/627

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-7-2 to 3-9-11, Interior(1) 3-9-11 to 9-9-13 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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=201.

April 20,2020

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	PB1	Piggyback	18	1	E14316662 Job Reference (optional)

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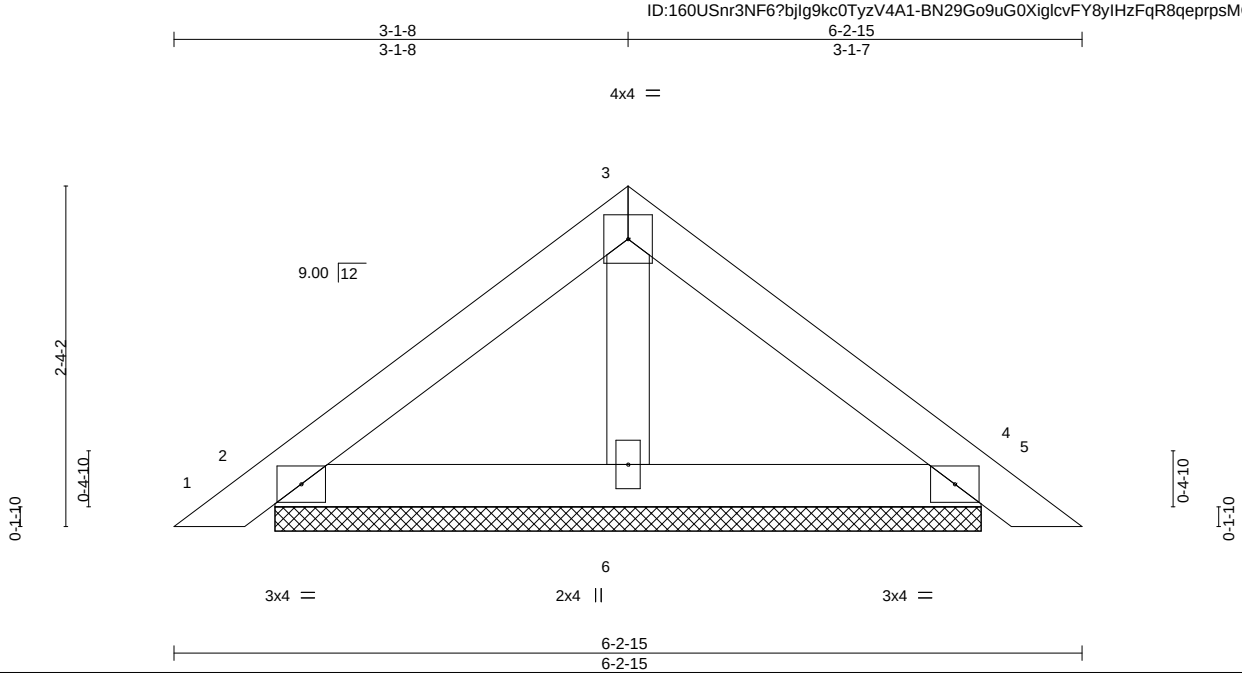

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.08	Vert(LL)	0.00	5	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	0.00	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 21 lb	FT = 20%

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

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

REACTIONS. (size) 2=4-10-4, 4=4-10-4, 6=4-10-4
Max Horz 2=52(LC 11)
Max Uplift 2=-25(LC 12), 4=-30(LC 13)
Max Grav 2=138(LC 1), 4=138(LC 1), 6=166(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) 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
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

April 20,2020

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

Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	PB1GE	GABLE	2	1	E14316663
					Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.330 s Mar 23 2020 MiTek Industries, Inc. Mon Apr 20 14:21:32 2020 Page 1
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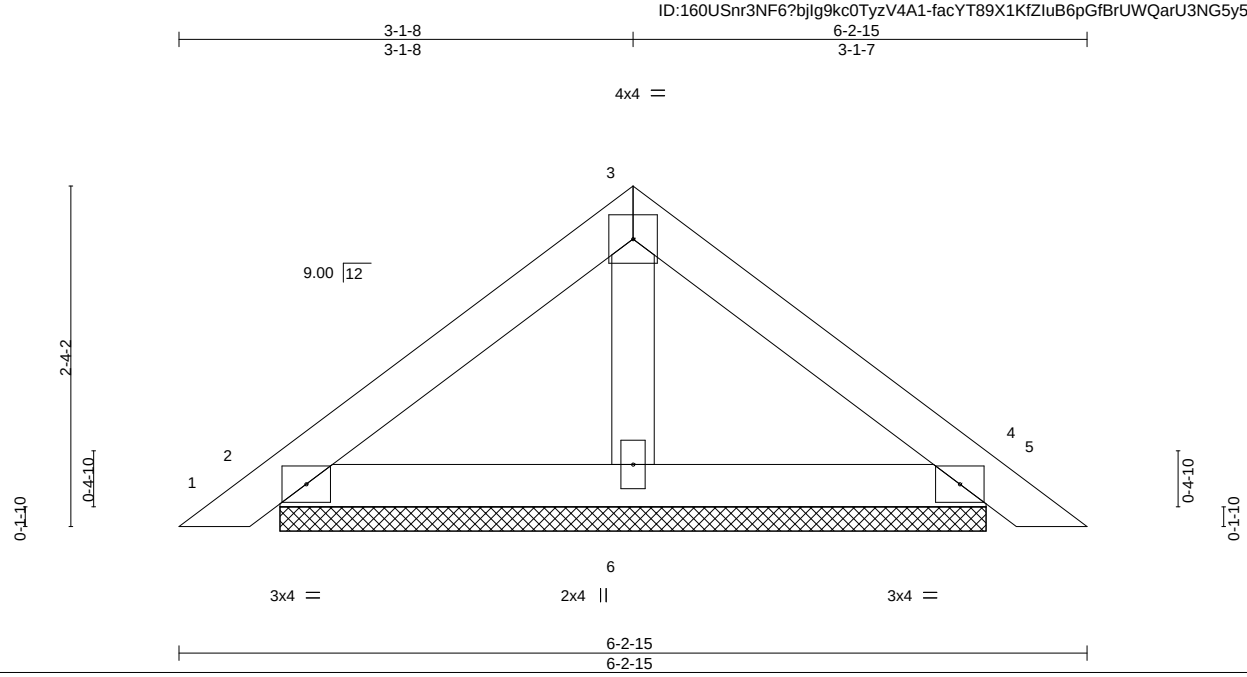


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.08	Vert(LL)	0.00	5	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	0.00	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 21 lb	FT = 20%

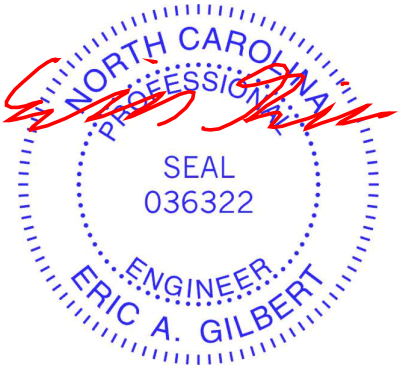
LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

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

REACTIONS. (size) 2=4-10-4, 4=4-10-4, 6=4-10-4
Max Horz 2=65(LC 11)
Max Uplift 2=-50(LC 12), 4=-58(LC 13)
Max Grav 2=138(LC 1), 4=138(LC 1), 6=166(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone 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
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	PB2	PIGGYBACK	3	2	E14316664
					Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.330 s Mar 23 2020 MiTek Industries, Inc. Mon Apr 20 14:21:33 2020 Page 1
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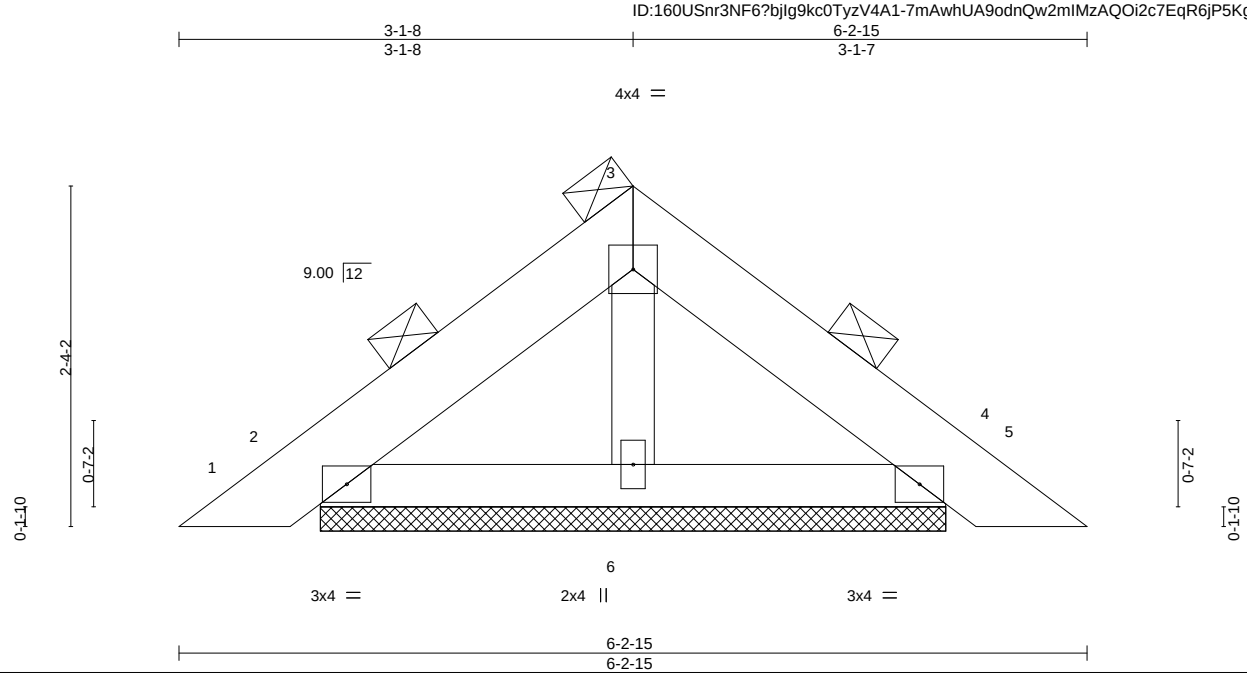

LOADING (psf)		SPACING-	3-9-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.03	Vert(LL)	0.00	4	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	0.00	4	n/r	120		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.01	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 53 lb	FT = 20%

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

BRACING-
TOP CHORD 2-0-0 oc purlins (6-0-0 max.)
(Switched from sheeted: Spacing > 2-8-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=4-3-10, 4=4-3-10, 6=4-3-10
Max Horz 2=-92(LC 10)
Max Uplift 2=-50(LC 12), 4=-60(LC 13)
Max Grav 2=264(LC 1), 4=264(LC 1), 6=251(LC 3)

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

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) 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
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	PB3	PIGGYBACK	2	3	E14316665
					Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.330 s Mar 23 2020 MiTek Industries, Inc. Mon Apr 20 14:21:34 2020 Page 1
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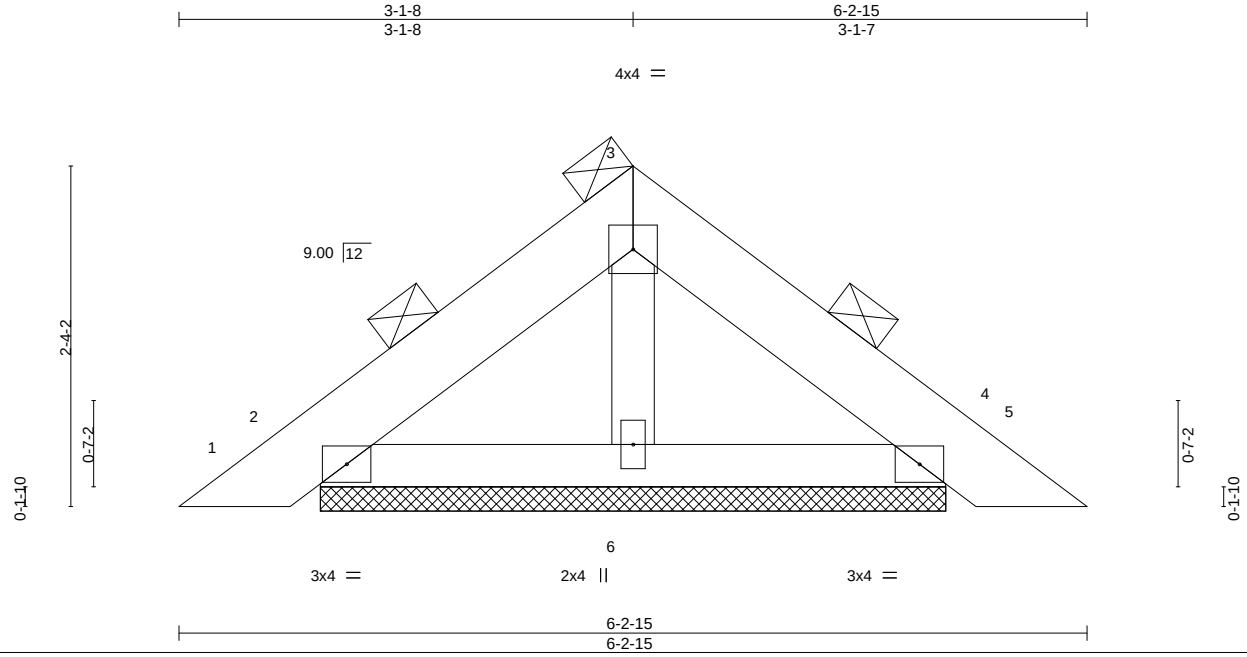


LOADING (psf)		SPACING-	5-6-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.03	Vert(LL)	0.00	4	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	0.00	4	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 80 lb	FT = 20%

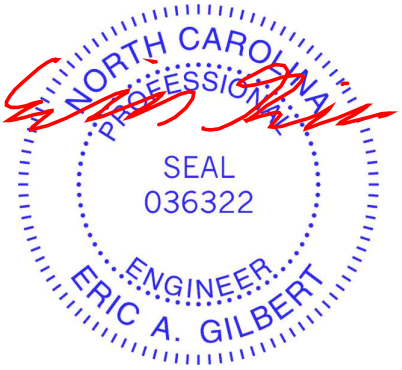
LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD 2-0-0 oc purlins (6-0-0 max.)
(Switched from sheeted: Spacing > 2-8-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=4-3-10, 4=4-3-10, 6=4-3-10
Max Horz 2=-136(LC 10)
Max Uplift 2=-73(LC 12), 4=-88(LC 13)
Max Grav 2=388(LC 1), 4=388(LC 1), 6=368(LC 3)

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

NOTES-
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) 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
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



April 20,2020

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	VF1	GABLE	1	1	E14316666
					Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.330 s Mar 23 2020 MiTek Industries, Inc. Mon Apr 20 14:21:35 2020 Page 1
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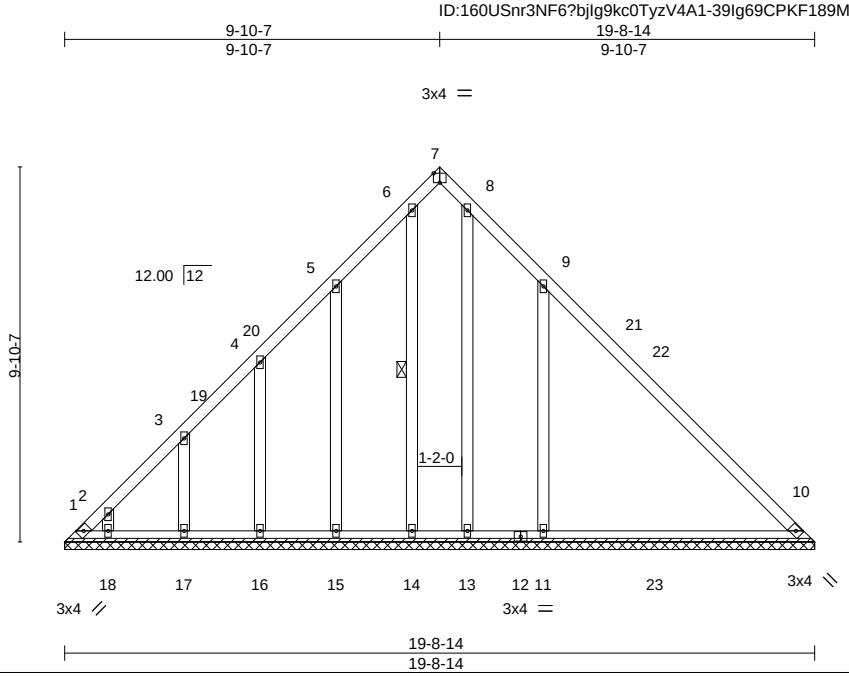

Plate Offsets (X,Y)-- [7:0-2-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.50	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.33	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.01	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 126 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 6-14

REACTIONS. All bearings 19-8-14.
(lb) - Max Horz 1=-285(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) except 1=-164(LC 10), 15=-162(LC 12), 16=-135(LC 12), 17=-144(LC 12), 18=-116(LC 12), 13=-309(LC 20), 11=-553(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 14, 15, 16, 17, 18 except 1=322(LC 12), 10=254(LC 19), 13=281(LC 13), 11=924(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-456/287, 2-3=-356/212, 8-9=-303/256, 9-10=-251/191
BOT CHORD 1-18=-200/294, 17-18=-200/294, 16-17=-200/294, 15-16=-200/294, 14-15=-200/294, 13-14=-200/294, 11-13=-200/294, 10-11=-200/294
WEBS 8-13=-265/281, 9-11=-688/593

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-4 to 4-9-0, Interior(1) 4-9-0 to 9-10-7, Exterior(2) 9-10-7 to 14-3-4, Interior(1) 14-3-4 to 19-4-10 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 164 lb uplift at joint 1, 162 lb uplift at joint 15, 135 lb uplift at joint 16, 144 lb uplift at joint 17, 116 lb uplift at joint 18, 309 lb uplift at joint 13 and 553 lb uplift at joint 11.

April 20,2020

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

Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	VF2	VALLEY	1	1	E14316667
					Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.330 s Mar 23 2020 MiTek Industries, Inc. Mon Apr 20 14:21:37 2020 Page 1
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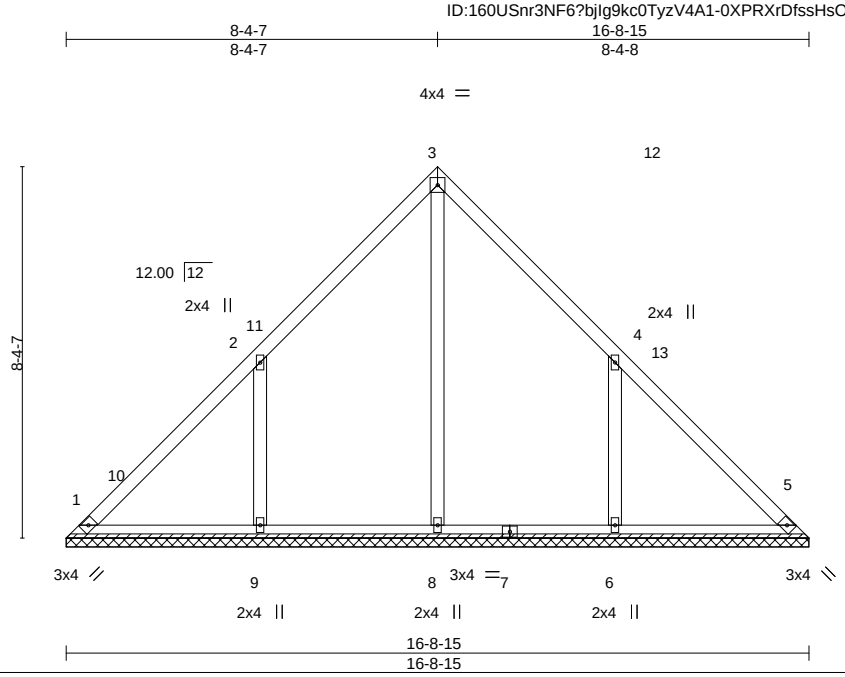

Plate Offsets (X,Y)-- [4:0-0-1,0-0-0]

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	0.19	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 82 lb	FT = 20%

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

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

REACTIONS. All bearings 16-8-15.
(lb) - Max Horz 1=-192(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1 except 9=-201(LC 12), 6=-201(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 8=416(LC 22), 9=523(LC 19), 6=523(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-9=-433/325, 4-6=-433/324

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-4 to 4-9-0, Interior(1) 4-9-0 to 8-4-7, Exterior(2) 8-4-7 to 12-9-4, Interior(1) 12-9-4 to 16-4-11 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 9=201, 6=201.
6) Non Standard bearing condition. Review required.

April 20,2020

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Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	VF3	VALLEY	1	1	E14316668
					Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.330 s Mar 23 2020 MiTek Industries, Inc. Mon Apr 20 14:21:38 2020 Page 1
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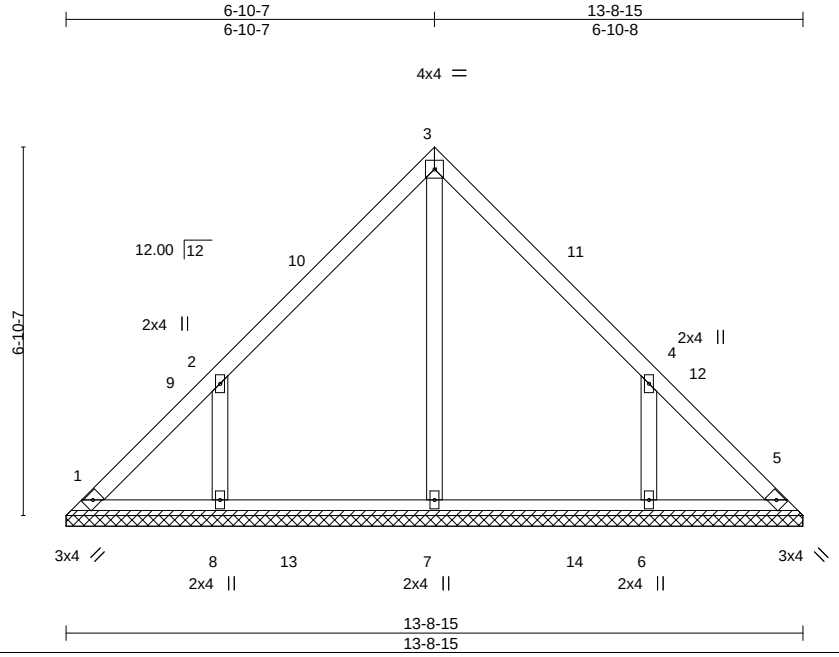

Plate Offsets (X,Y)-- [4:0-0-0,0-0-0]

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	0.14	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 64 lb	FT = 20%

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

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

REACTIONS. All bearings 13-8-15.
(lb) - Max Horz 1=-156(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-167(LC 12), 6=-167(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=397(LC 19), 8=396(LC 19), 6=396(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-366/292, 4-6=-366/292

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-4 to 4-9-0, Interior(1) 4-9-0 to 6-10-7, Exterior(2) 6-10-7 to 11-3-4, Interior(1) 11-3-4 to 13-4-11 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=167, 6=167.
6) Non Standard bearing condition. Review required.

April 20,2020

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	VF4	VALLEY	1	1	E14316669
					Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.330 s Mar 23 2020 MiTek Industries, Inc. Mon Apr 20 14:21:39 2020 Page 1
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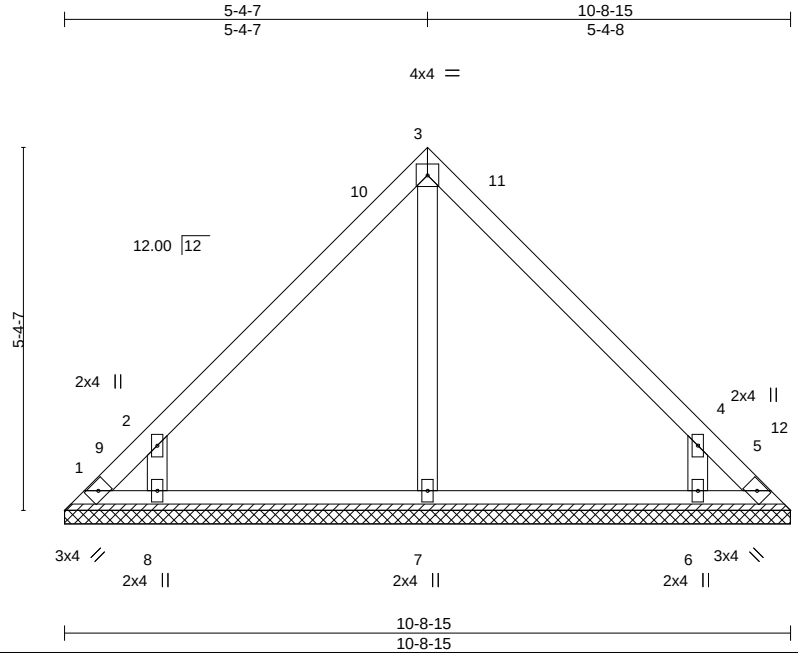

Plate Offsets (X,Y)-- [4:0-0-0,0-0-0]

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	0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 47 lb	FT = 20%

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

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

REACTIONS. All bearings 10-8-15.
(lb) - Max Horz 1=-120(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 5 except 1=-114(LC 10), 8=-173(LC 12), 6=-172(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 8=360(LC 19), 6=359(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-391/335, 4-6=-390/334

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-4 to 4-9-0, Interior(1) 4-9-0 to 5-4-7, Exterior(2) 5-4-7 to 9-9-4, Interior(1) 9-9-4 to 10-4-11 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 1=114, 8=173, 6=172.
6) Non Standard bearing condition. Review required.

April 20,2020

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

Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	VF5	VALLEY	1	1	E14316670
					Job Reference (optional)

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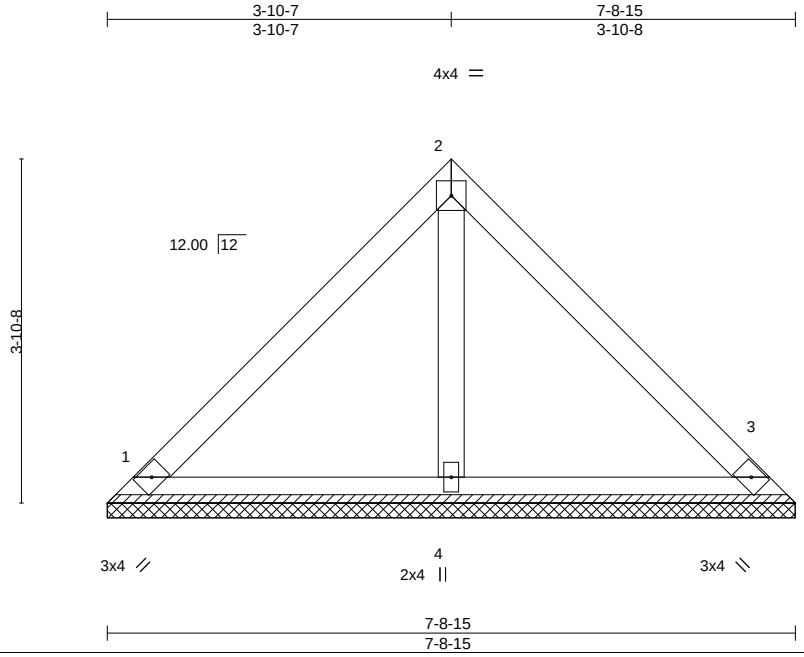

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.21	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 31 lb	FT = 20%

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

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

REACTIONS. (size) 1=7-8-15, 3=7-8-15, 4=7-8-15
Max Horz 1=-84(LC 8)
Max Uplift 1=-31(LC 13), 3=-31(LC 13)
Max Grav 1=171(LC 1), 3=172(LC 1), 4=220(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) 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
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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
6) Non Standard bearing condition. Review required.

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Job	Truss	Truss Type	Qty	Ply	Southern Touch / 3 Fultz Farm / Harnett
J0420-1464	VF6	VALLEY	1	1	E14316671
					Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.330 s Mar 23 2020 MiTek Industries, Inc. Mon Apr 20 14:21:42 2020 Page 1
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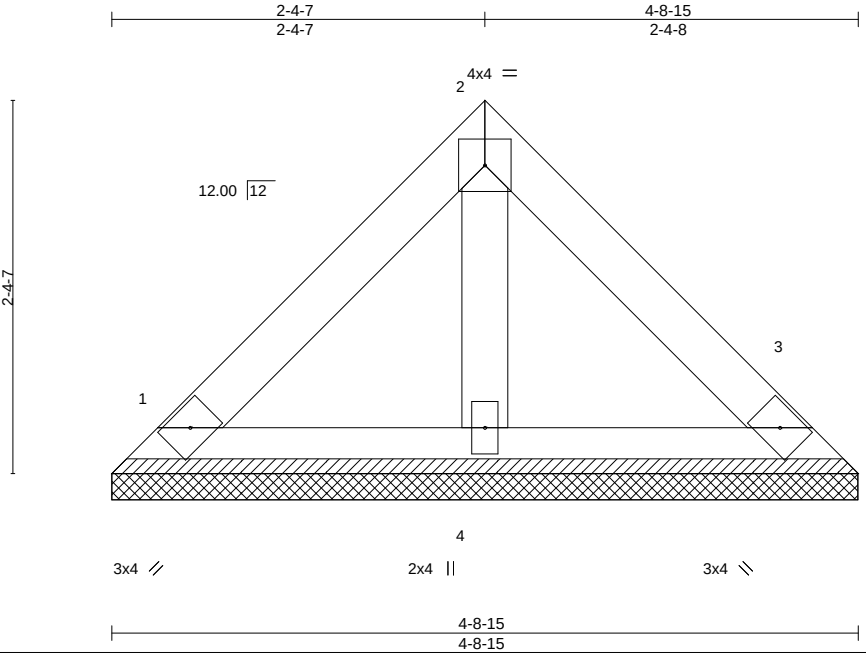

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 18 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-8-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=4-8-15, 3=4-8-15, 4=4-8-15
Max Horz 1=-48(LC 8)
Max Uplift 1=-18(LC 13), 3=-18(LC 13)
Max Grav 1=98(LC 1), 3=98(LC 1), 4=126(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) 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
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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
6) Non Standard bearing condition. Review required.

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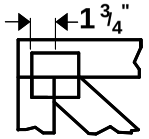
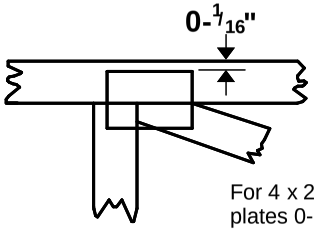
Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

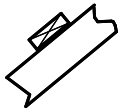
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

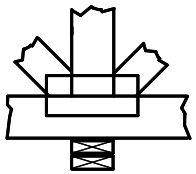
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING

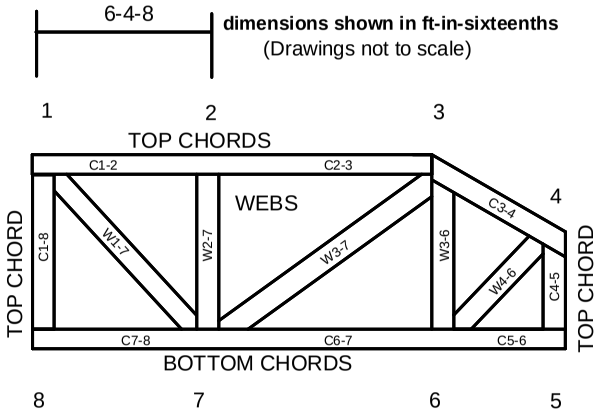


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

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

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

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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.