ENGINEERING BY
TRENCO
A MiTek Affiliate

Trenco
818 Soundside Rd
Edenton, NC 27932

Re: Quote_File
Taylor - Fieldcrest F

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

Pages or sheets covered by this seal: I45387875 thru I45387903

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

North Carolina COA: C-0844

March 29,2021

Sevier, Scott

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

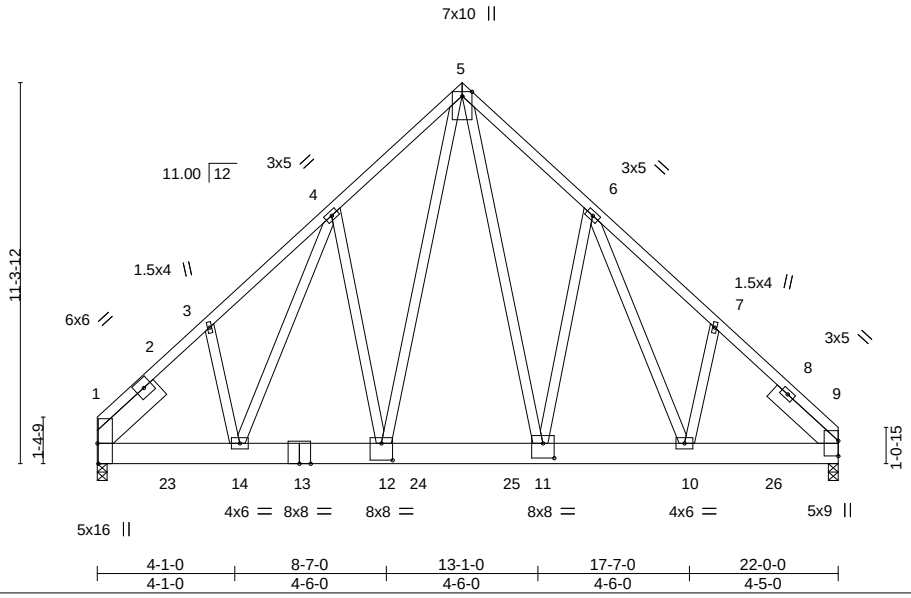
Job	Truss	Truss Type	Qty	Ply	Taylor - Fieldcrest F
QUOTE_FILE	G01	DBL. FINK	1	3	I45387875
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Mar 26 16:37:26 2021 Page 1

ID:cUMXjtUA7wbXDOKSQBx6XUyhJNv-ykhzAKV3oZkRBIIW296KygZ5xePmDVF2sCGD1EzX?pd

3-4-0	7-1-0	10-10-0	14-7-0	18-4-0	22-0-0
3-4-0	3-9-0	3-9-0	3-9-0	3-9-0	3-8-0

Scale = 1:68.4



4-1-0	8-7-0	13-1-0	17-7-0	22-0-0
4-1-0	4-6-0	4-6-0	4-6-0	4-5-0

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

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	0.70	Vert(LL)	-0.08	10-11	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.53	Vert(CT)	-0.16	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.72	Horz(CT)	0.03	9	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MS							Weight: 539 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x8 SP No.1
WEBS	2x4 SPF Stud
SLIDER	Left 2x8 SP No.1 -t 2-6-0, Right 2x6 SPF 1650F 1.5E -t 2-6-0

REACTIONS. (size) 1=0-3-8 (req. 0-4-6), 9=0-3-8 (req. 0-4-6)
Max Horz 1=-252(LC 4)
Max Uplift 1=-1355(LC 8), 9=-1357(LC 9)
Max Grav 1=8320(LC 15), 9=8323(LC 16)

BRACING-

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

SUPPLEMENTARY BEARING PLATES, SPECIAL ANCHORAGE, OR OTHER MEANS TO ALLOW FOR THE MINIMUM REQUIRED SUPPORT WIDTH (SUCH AS COLUMN CAPS, BEARING BLOCKS, ETC.) ARE THE RESPONSIBILITY OF THE TRUSS MANUFACTURER OR THE BUILDING DESIGNER.

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

TOP CHORD	1-3=-9047/1509, 3-4=-8693/1545, 4-5=-8086/1508, 5-6=-8165/1521, 6-7=-9435/1672, 7-9=-9656/1606
BOT CHORD	1-14=-1135/6454, 12-14=-1015/6183, 11-12=-720/4877, 10-11=-974/6266, 9-10=-1104/6907
WEBS	3-14=-128/691, 4-14=-289/1052, 4-12=-898/387, 5-12=-1050/5406, 5-11=-1099/5706, 6-11=-1378/466, 6-10=-459/2079, 7-10=-95/406

NOTES-

1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2x4 - 1 row at 0-7-0 oc.
   Bottom chords connected as follows: 2x8 - 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 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) WARNING: Required bearing size at joint(s) 1, 9 greater than input bearing size.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=1355, 9=1357.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) Girder carries tie-in span(s): 34-0-0 from 2-0-0 to 20-0-0

LOAD CASE(S) Standard

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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: 15-23=-100(F=-80), 23-26=-734(F=-714), 19-26=-100(F=-80), 1-5=-60, 5-9=-60

Job	Truss	Truss Type	Qty	Ply	Taylor - Fieldcrest F
QUOTE_FILE	G02	Common Girder	1	2	I45387876

Job Reference (optional)

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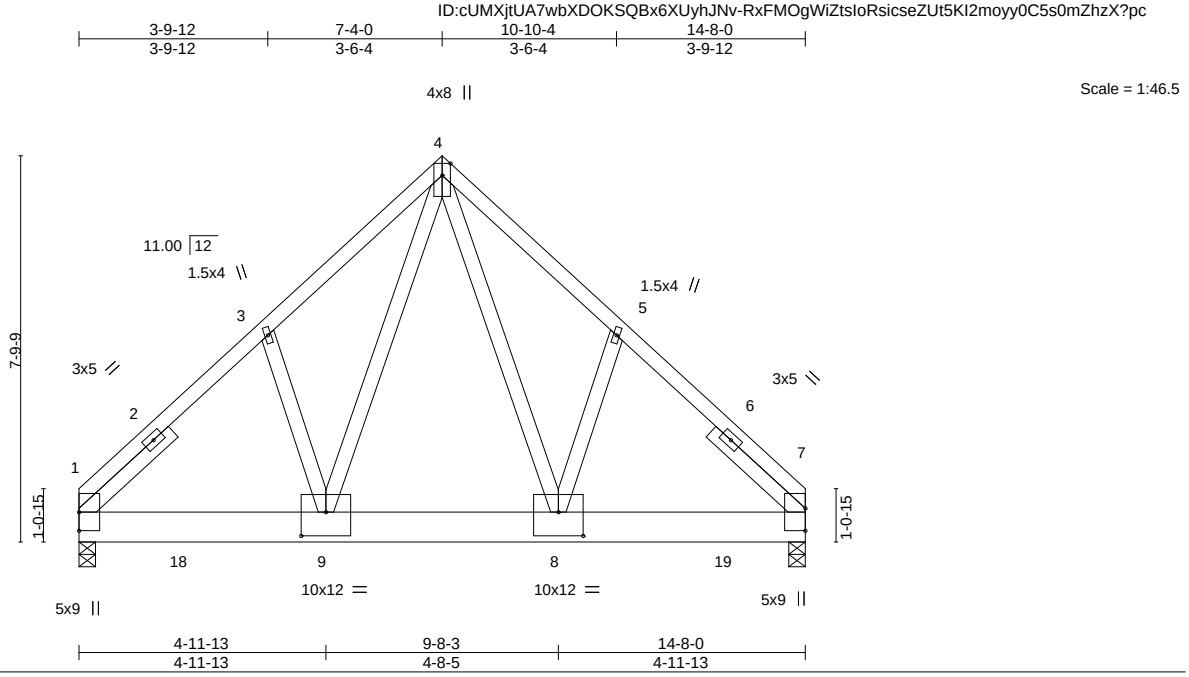

Plate Offsets (X,Y)-- [8:0-6-0,0-5-12], [9:0-6-0,0-5-12]

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	0.40	Vert(LL)	-0.06	8-9	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.48	Vert(CT)	-0.12	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.75	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MS							Weight: 199 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x8 SP No.1
WEBS	2x4 SPF Stud
SLIDER	Left 2x4 SPF Stud -t 2-6-0, Right 2x4 SPF Stud -t 2-6-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-11-14 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-4-0, 7=0-4-0 (req. 0-4-1)
Max Horz 1=166(LC 5)
Max Uplift 1=-795(LC 8), 7=-828(LC 9)
Max Grav 1=4988(LC 15), 7=5196(LC 16)

SUPPLEMENTARY BEARING PLATES, SPECIAL ANCHORAGE, OR OTHER MEANS TO ALLOW FOR THE MINIMUM REQUIRED SUPPORT WIDTH (SUCH AS COLUMN CAPS, BEARING BLOCKS, ETC.) ARE THE RESPONSIBILITY OF THE TRUSS MANUFACTURER OR THE BUILDING DESIGNER.

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-5675/950, 3-4=-5552/1017, 4-5=-5625/1029, 5-7=-5744/961
BOT CHORD 1-9=-704/4156, 8-9=-452/3010, 7-8=-646/4136
WEBS 4-8=-741/3938, 5-8=-81/266, 4-9=-713/3767, 3-9=-82/271

NOTES-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2x4 - 1 row at 0-7-0 oc.
   Bottom chords connected as follows: 2x8 - 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 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) WARNING: Required bearing size at joint(s) 7 greater than input bearing size.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=795, 7=828.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) Girder carries tie-in span(s): 39-0-0 from 2-0-0 to 13-0-0

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

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LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-4=-60, 4-7=-60, 10-18=-20, 18-19=-753(F=-733), 14-19=-20

Job	Truss	Truss Type	Qty	Ply	Taylor - Fieldcrest F	I45387877
QUOTE_FILE	G03	Common Girder	1	2	Job Reference (optional)	

84 Components (Dunn), Dunn, NC - 28334, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Mar 26 16:37:28 2021 Page 1
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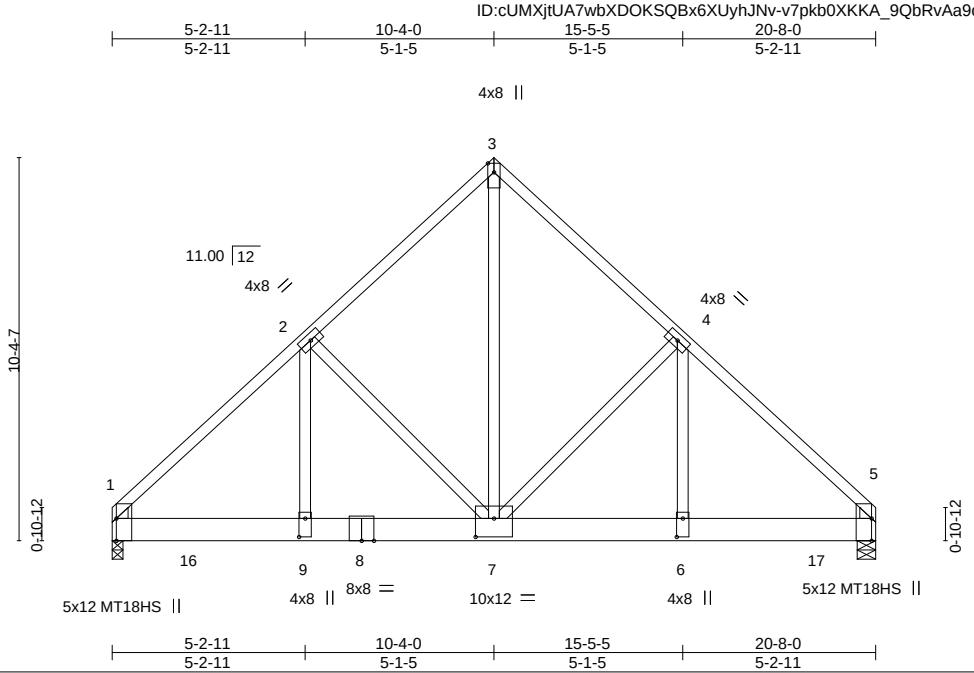

Plate Offsets (X,Y)-- [1:0-7-4,Edge], [5:0-7-4,Edge], [6:0-6-0,0-2-0], [7:0-6-0,0-6-0], [9:0-6-0,0-2-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.58	Vert(LL)	-0.10	7-9	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.69	Vert(CT)	-0.20	7-9	>999	180	MT18HS	197/144
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.85	Horz(CT)	0.03	5	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS							Weight: 268 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x8 SP No.1
WEBS 2x4 SPF Stud *Except*
3-7: 2x4 SPF No.2
WEDGE
Left: 2x4 SPF Stud , Right: 2x4 SPF Stud

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-2-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-3-8 (req. 0-5-5), 5=0-6-0
Max Horz 1=-234(LC 4)
Max Uplift 1=-1077(LC 8), 5=-1109(LC 9)
Max Grav 1=6748(LC 15), 5=6945(LC 16)

SUPPLEMENTARY BEARING PLATES, SPECIAL ANCHORAGE, OR OTHER MEANS TO ALLOW FOR THE MINIMUM REQUIRED SUPPORT WIDTH (SUCH AS COLUMN CAPS, BEARING BLOCKS, ETC.) ARE THE RESPONSIBILITY OF THE TRUSS MANUFACTURER OR THE BUILDING DESIGNER.

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-8215/1352, 2-3=-5991/1088, 3-4=-5991/1088, 4-5=-8290/1364
BOT CHORD 1-9=-1033/6111, 7-9=-1033/6111, 6-7=-937/6053, 5-6=-937/6053
WEBS 3-7=-1319/7691, 4-7=-2469/579, 4-6=-451/3040, 2-7=-2385/565, 2-9=-433/2931

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-7-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-8-0 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 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) WARNING: Required bearing size at joint(s) 1 greater than input bearing size.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=1077, 5=1109.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) Girder carries tie-in span(s): 34-0-0 from 2-0-0 to 19-0-0

LOAD CASE(S) Standard

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ENGINEERING BY TRENCO
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818 Soundside Road
Edenton, NC 27932

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-3=-60, 3-5=-60, 10-16=-20, 16-17=-654(F=-634), 13-17=-20

Job	Truss	Truss Type	Qty	Ply	Taylor - Fieldcrest F
QUOTE_FILE	G04	Common Girder	1	2	I45387878
					Job Reference (optional)

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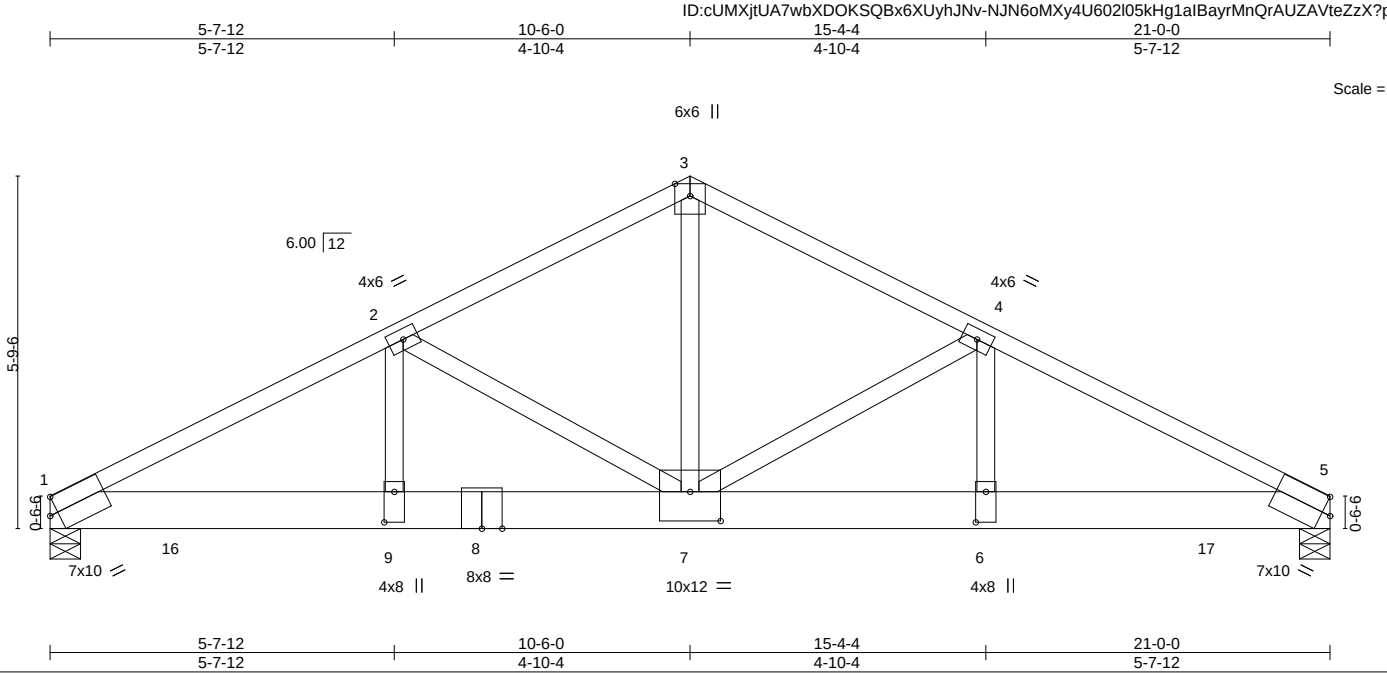

Plate Offsets (X,Y)-- [1:Edge,0-3-6], [5:Edge,0-3-6], [6:0-6-0,0-2-0], [7:0-6-0,0-5-12], [9:0-6-0,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.78	Vert(LL)	-0.14	7-9	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.83	Vert(CT)	-0.28	7-9	>909	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.77	Horz(CT)	0.06	5	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS							Weight: 230 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x8 SP No.1
WEBS 2x4 SPF Stud *Except*
3-7: 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-1-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-6-0, 5=0-6-0
Max Horz 1=88(LC 12)
Max Uplift 1=-992(LC 8), 5=-992(LC 9)
Max Grav 1=5999(LC 15), 5=5999(LC 16)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-11264/1858, 2-3=-8070/1357, 3-4=-8070/1357, 4-5=-11265/1859
BOT CHORD 1-9=-1681/10085, 7-9=-1681/10085, 6-7=-1595/10038, 5-6=-1595/10038
WEBS 3-7=-1097/6932, 4-7=-3332/657, 4-6=-410/2906, 2-7=-3331/656, 2-9=-409/2905

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-4-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=992, 5=992.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Girder carries tie-in span(s): 30-0-0 from 2-0-0 to 19-0-0

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-60, 3-5=-60, 10-16=-20, 16-17=-570(F=-550), 13-17=-20

March 29,2021

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Taylor - Fieldcrest F
QUOTE_FILE	M01	Monopitch	10	1	I45387879
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Mar 26 16:37:29 2021 Page 1
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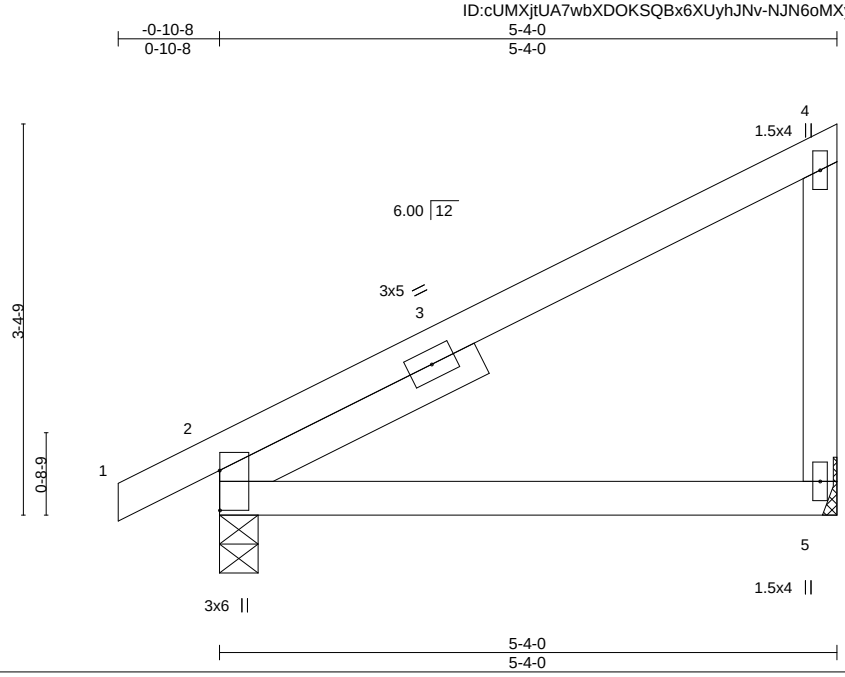

Plate Offsets (X,Y)-- [2:Edge,0-0-1]

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	0.35	Vert(LL)	0.05	5-8	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.28	Vert(CT)	-0.07	5-8	>881	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.02	2	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MP							Weight: 20 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF Stud
SLIDER Left 2x4 SPF Stud -t 2-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-4-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=Mechanical, 2=0-4-0
Max Horz 2=121(LC 9)
Max Uplift 5=-63(LC 10), 2=-54(LC 10)
Max Grav 5=203(LC 1), 2=264(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-252/53

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) 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) 5, 2.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

March 29,2021

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

Job	Truss	Truss Type	Qty	Ply	Taylor - Fieldcrest F	I45387880
QUOTE_FILE	T01	Common	3	1	Job Reference (optional)	

84 Components (Dunn), Dunn, NC - 28334, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Mar 26 16:37:30 2021 Page 1

ID:cUMXjtUA7wbXDOKSQBx6XUyhJNv-rWwU0hYaroEtfvbHH?BG6WjshFmr9KCenqEQA?zX?pZ

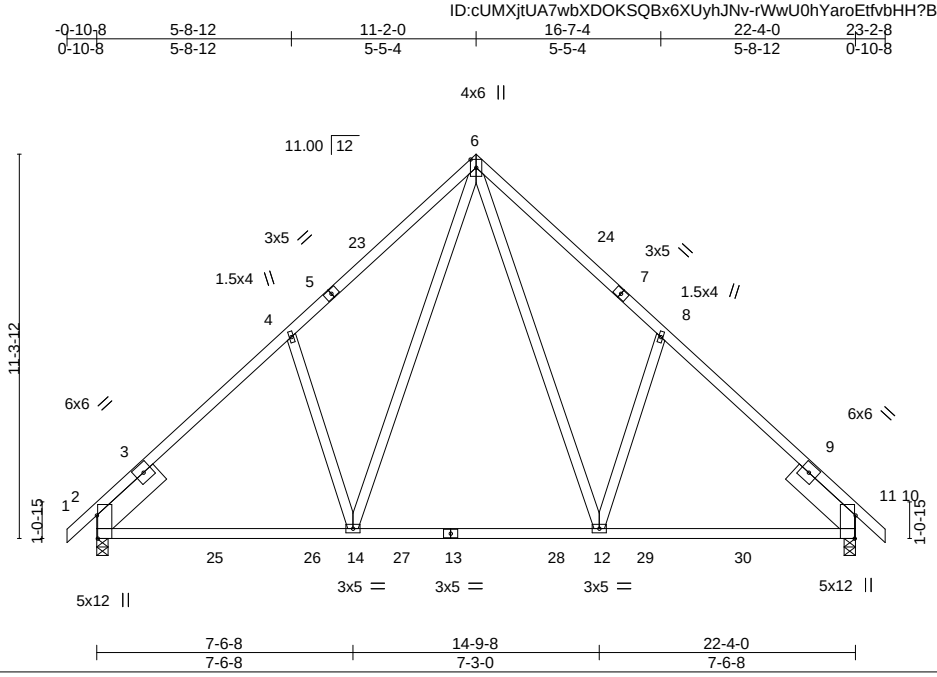

Plate Offsets (X,Y)-- [2:0-8-3,Edge], [10:0-8-3,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	-0.11	12-14	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.52	Vert(CT)	-0.17	12-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.65	Horz(CT)	0.03	10	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS							Weight: 118 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF Stud
SLIDER	Left 2x8 SP No.1 -t 2-6-0, Right 2x8 SP No.1 -t 2-6-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-2-1 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-4-0, 10=0-4-0
Max Horz 2=-273(LC 8)
Max Uplift 2=-134(LC 10), 10=-134(LC 11)
Max Grav 2=1091(LC 17), 10=1091(LC 18)

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

TOP CHORD	2-4=-1126/193, 4-6=-1073/323, 6-8=-1073/323, 8-10=-1126/193
BOT CHORD	2-14=-161/926, 12-14=-15/634, 10-12=-51/803
WEBS	6-12=-238/642, 8-12=-303/313, 6-14=-238/641, 4-14=-303/313

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 8-2-0, Exterior(2R) 8-2-0 to 14-2-0, Interior(1) 14-2-0 to 20-2-8, Exterior(2E) 20-2-8 to 23-2-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=134, 10=134.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

March 29,2021

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

Job	Truss	Truss Type	Qty	Ply	Taylor - Fieldcrest F
QUOTE_FILE	T01GE	Common Supported Gable	1	1	I45387881
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Mar 26 16:37:32 2021 Page 1

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0-10-8 11-2-0 11-2-0 0-10-8

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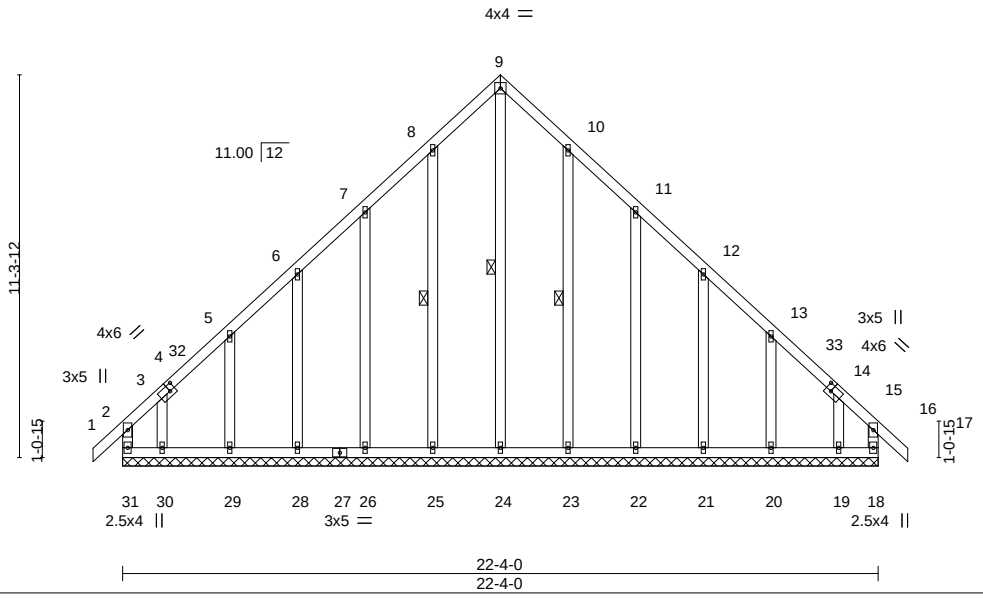

Plate Offsets (X,Y)-- [4:0-2-0,0-2-4], [14:0-2-0,0-2-4]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.21	Vert(LL)	-0.00	17	n/r	120	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	-0.00	17	n/r	90		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.01	18	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-R							Weight: 137 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF Stud
OTHERS	2x4 SPF Stud

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 9-24, 8-25, 10-23

REACTIONS. All bearings 22-4-0.

(lb) - Max Horz 31=-304(LC 8)

Max Uplift All uplift 100 lb or less at joint(s) 25, 29, 23, 20 except 31=-222(LC 8), 18=-166(LC 7), 26=-109(LC 10), 28=-104(LC 10), 30=-260(LC 10), 22=-109(LC 11), 21=-103(LC 11), 19=-243(LC 11)

Max Grav All reactions 250 lb or less at joint(s) 25, 26, 28, 29, 23, 22, 21, 20, 19 except 31=305(LC 7), 18=251(LC 6), 24=345(LC 11), 30=263(LC 8)

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

TOP CHORD 2-3=-268/240, 7-8=-157/296, 8-9=-203/377, 9-10=-203/377, 10-11=-157/296

WEBS 9-24=-426/169

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-10-8 to 2-1-8, Exterior(2N) 2-1-8 to 8-2-0, Corner(3R) 8-2-0 to 14-2-0, Exterior(2N) 14-2-0 to 20-2-8, Corner(3E) 20-2-8 to 23-2-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 25, 29, 23, 20 except (jt=lb) 31=222, 18=166, 26=109, 28=104, 30=260, 22=109, 21=103, 19=243.
11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

March 29,2021

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

Job	Truss	Truss Type	Qty	Ply	Taylor - Fieldcrest F
QUOTE_FILE	T01SGE	GABLE	1	1	I45387882
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Mar 26 16:37:33 2021 Page 1
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-0-10-8	6-3-14	12-10-15	19-6-0	26-1-1	32-8-2	39-0-0
0-10-8	6-3-14	6-7-1	6-7-1	6-7-1	6-7-1	6-3-14

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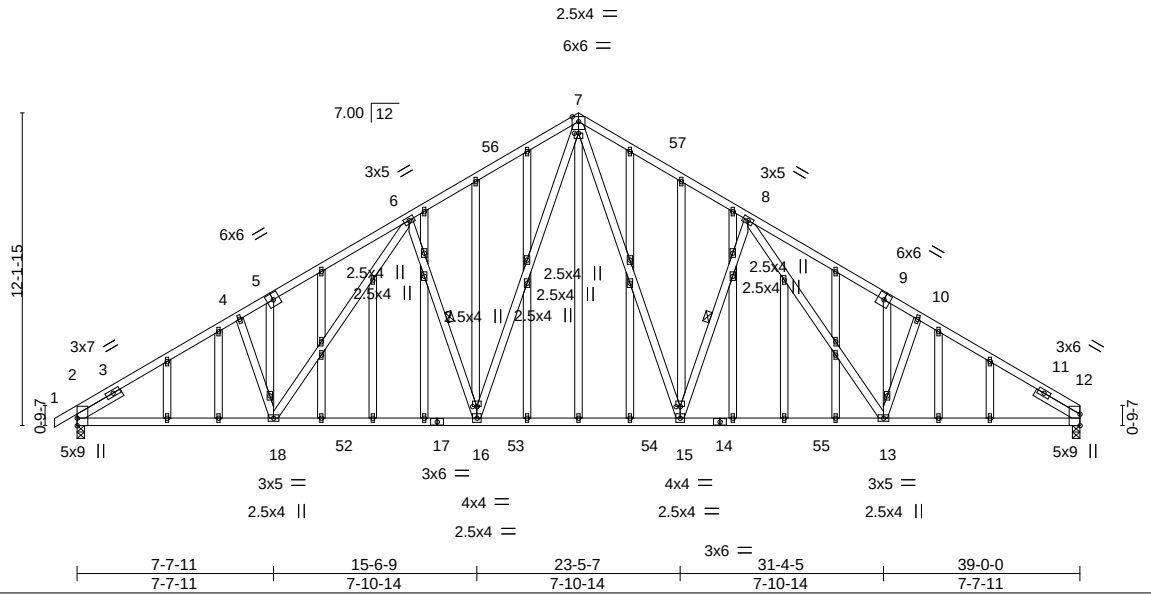

7-7-11	15-6-9	23-5-7	31-4-5	39-0-0
7-7-11	7-10-14	7-10-14	7-10-14	7-7-11

Plate Offsets (X,Y)-- [7:0-2-0,0-0-0], [15:0-2-0,0-0-0], [16:0-2-0,0-0-0]

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	0.98	Vert(LL)	-0.26	16-18	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.91	Vert(CT)	-0.45	16-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.13	12	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							Weight: 305 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF No.2 *Except*
	1-5: 2x4 SPF 2100F 1.8E, 9-12: 2x4 SP DSS
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF Stud
OTHERS	2x4 SPF Stud
SLIDER	Left 2x4 SPF Stud -t 2-0-4, Right 2x4 SPF Stud -t 2-0-4

BRACING-

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 8-10-14 oc bracing: 2-18.
WEBS	1 Row at midpt 6-16, 8-15

REACTIONS. (size) 2=0-3-8, 12=0-3-8
Max Horz 2=294(LC 7)
Max Uplift 2=-266(LC 10), 12=-244(LC 11)
Max Grav 2=1883(LC 17), 12=1833(LC 18)

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

TOP CHORD	2-4=-2862/389, 4-6=-2728/467, 6-7=-2212/440, 7-8=-2213/440, 8-10=-2734/470, 10-12=-2867/392
BOT CHORD	2-18=-432/2537, 16-18=-272/2159, 15-16=-86/1600, 13-15=-137/2010, 12-13=-237/2322
WEBS	6-18=-155/570, 6-16=-698/345, 7-16=-246/1077, 7-15=-247/1077, 8-15=-700/346, 8-13=-158/577

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 16-6-0, Exterior(2R) 16-6-0 to 22-6-0, Interior(1) 22-6-0 to 36-0-0, Exterior(2E) 36-0-0 to 39-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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 1.5x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=266, 12=244.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

March 29,2021

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

Job	Truss	Truss Type	Qty	Ply	Taylor - Fieldcrest F
QUOTE_FILE	T02	COMMON	3	1	I45387883
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Mar 26 16:37:35 2021 Page 1

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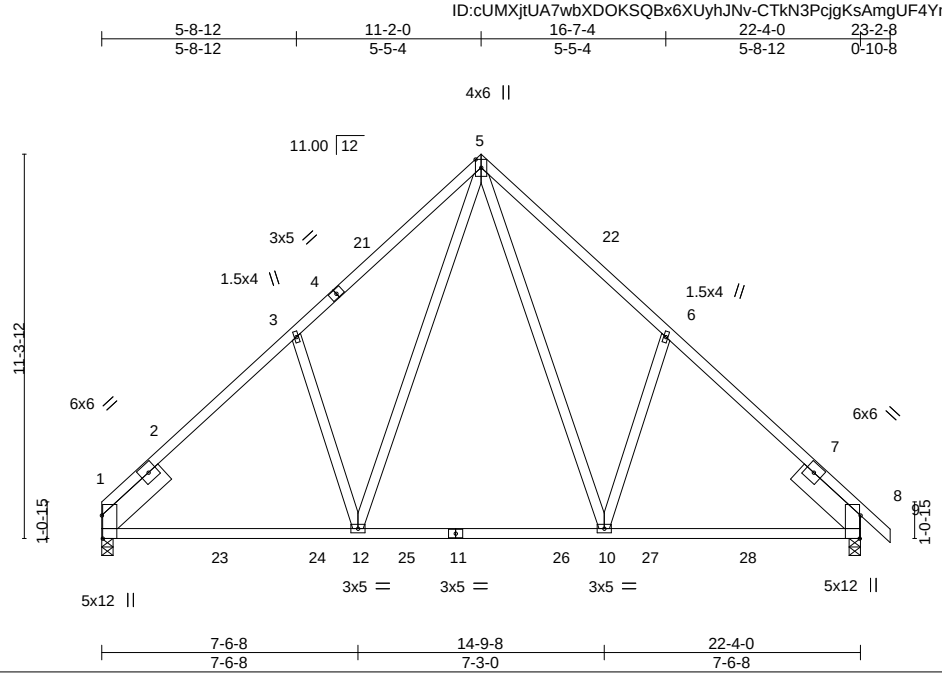

Plate Offsets (X,Y)-- [1:0-8-3,Edge], [8:0-8-3,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	-0.10	10-12	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.52	Vert(CT)	-0.17	10-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.65	Horz(CT)	0.03	8	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS							Weight: 117 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF Stud
SLIDER	Left 2x8 SP No.1 -t 2-6-0, Right 2x8 SP No.1 -t 2-6-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-2-1 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-4-0, 8=0-4-0
Max Horz 1=-266(LC 6)
Max Uplift 1=-112(LC 10), 8=-134(LC 11)
Max Grav 1=1041(LC 17), 8=1091(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-1128/193, 3-5=-1077/323, 5-6=-1074/323, 6-8=-1127/193
BOT CHORD 1-12=-161/929, 10-12=-15/635, 8-10=-51/804
WEBS 5-10=-238/641, 6-10=-303/313, 5-12=-238/645, 3-12=-306/313

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 8-2-0, Exterior(2R) 8-2-0 to 14-2-0, Interior(1) 14-2-0 to 20-2-8, Exterior(2E) 20-2-8 to 23-2-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=112, 8=134.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

March 29,2021

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

Job	Truss	Truss Type	Qty	Ply	Taylor - Fieldcrest F
QUOTE_FILE	T02GE	Common Supported Gable	1	1	I45387884
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Mar 26 16:37:38 2021 Page 1

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0-10-8 7-4-0 7-4-0 0-10-8

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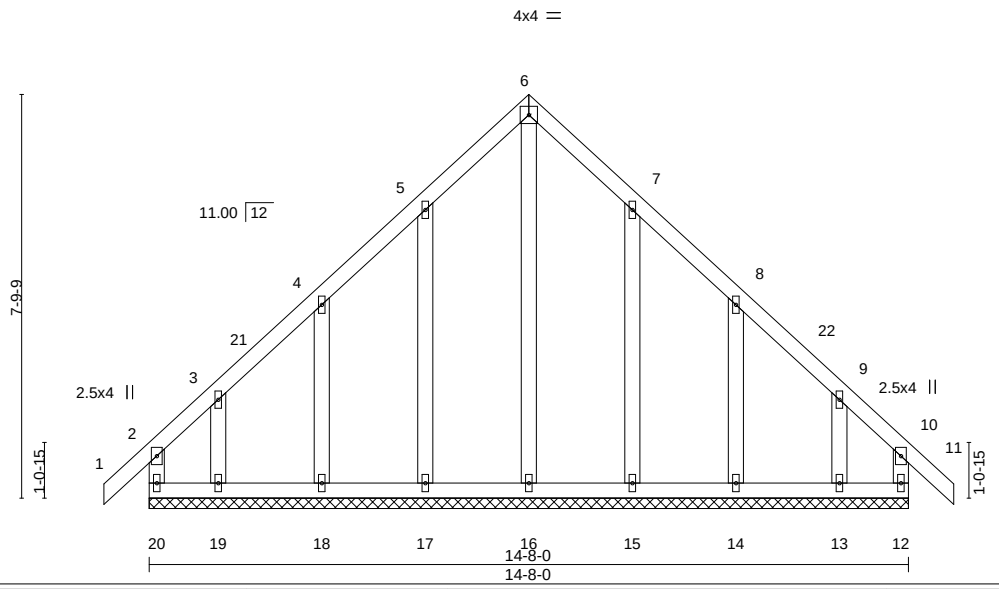

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.00	11	n/r	120	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	-0.00	11	n/r	90		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R							Weight: 77 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF Stud
OTHERS	2x4 SPF Stud

BRACING-

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

REACTIONS. All bearings 14-8-0.

(lb) - Max Horz 20=-217(LC 8)

Max Uplift All uplift 100 lb or less at joint(s) 18, 15, 14 except 20=-140(LC 6), 12=-113(LC 7), 17=-100(LC 10), 19=-170(LC 10), 13=-162(LC 11)

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

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

TOP CHORD 5-6=-158/341, 6-7=-158/341

WEBS 6-16=-368/109

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-10-8 to 2-1-8, Exterior(2N) 2-1-8 to 4-4-0, Corner(3R) 4-4-0 to 10-4-0, Exterior(2N) 10-4-0 to 12-6-8, Corner(3E) 12-6-8 to 15-6-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 18, 15, 14 except (jt=lb) 20=140, 12=113, 17=100, 19=170, 13=162.
11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

March 29,2021

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

Job	Truss	Truss Type	Qty	Ply	Taylor - Fieldcrest F
QUOTE_FILE	T03	FINK	1	1	I45387885
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Mar 26 16:37:39 2021 Page 1

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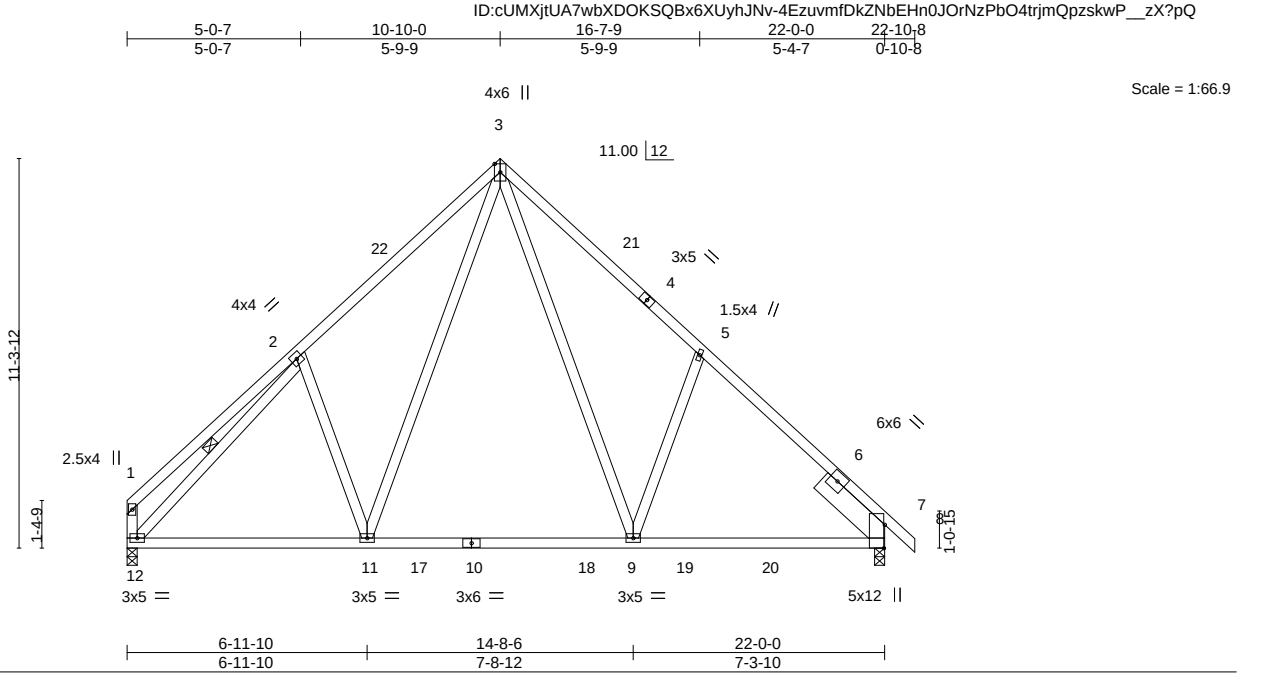

Plate Offsets (X,Y)-- [7:0-8-3,Edge]

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	0.41	Vert(LL)	-0.14	9-11	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.54	Vert(CT)	-0.23	9-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(CT)	-0.02	12	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS							Weight: 117 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF Stud
SLIDER	Right 2x8 SP No.1 -t 2-6-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-2-10 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 2-12

REACTIONS. (size) 7=0-3-8, 12=0-3-8
Max Horz 7=-292(LC 8)
Max Uplift 7=-132(LC 11), 12=-110(LC 11)
Max Grav 7=1059(LC 18), 12=988(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-5=-1046/313, 5-7=-1097/190, 2-3=-1016/306
BOT CHORD 11-12=-53/727, 9-11=-43/596, 7-9=-171/907
WEBS 5-9=-297/310, 3-9=-226/635, 3-11=-202/556, 2-11=-222/306, 2-12=-971/93

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 7-10-0, Exterior(2R) 7-10-0 to 13-10-0, Interior(1) 13-10-0 to 19-10-8, Exterior(2E) 19-10-8 to 22-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=132, 12=110.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

March 29,2021

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

Job	Truss	Truss Type	Qty	Ply	Taylor - Fieldcrest F
QUOTE_FILE	T03GE	GABLE	1	1	I45387886
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Mar 26 16:37:40 2021 Page 1
ID:cUMXjtUA7wbXDOKSQBx6XUyhJNv-YRXG66grVsVSsRMCt5NcWd8asHBIVza64OfyWQzX?pP

0-10-8 5-1-6 10-6-0 15-10-10 21-0-0 21-10-8
0-10-8 5-1-6 5-4-10 5-4-10 5-1-6 0-10-8

Scale = 1:47.0

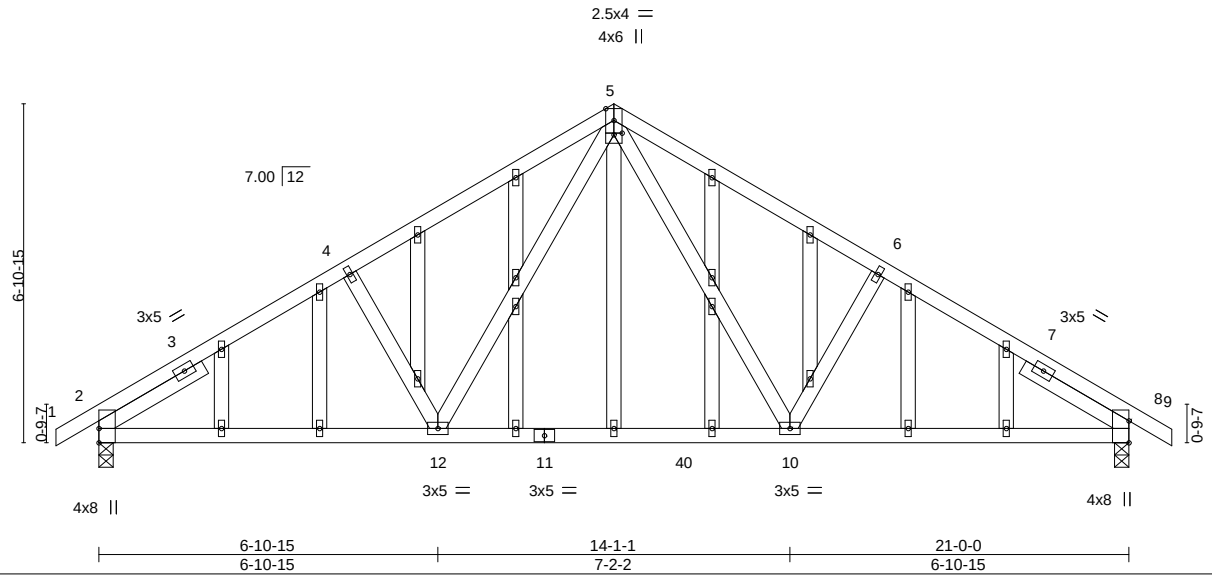

Plate Offsets (X,Y)-- [5:0-2-0,0-0-7]

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	0.35	Vert(LL)	-0.12	10-12	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.21	10-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS							Weight: 121 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF Stud
OTHERS	2x4 SPF Stud
SLIDER	Left 2x4 SPF Stud -t 2-6-0, Right 2x4 SPF Stud -t 2-6-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-10-11 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=164(LC 9)
Max Uplift 2=-152(LC 10), 8=-152(LC 11)
Max Grav 2=1005(LC 17), 8=1005(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1253/325, 4-5=-1221/354, 5-6=-1221/354, 6-8=-1253/325
BOT CHORD 2-12=-202/1189, 10-12=-50/802, 8-10=-170/1066
WEBS 4-12=-254/207, 5-12=-112/554, 5-10=-112/554, 6-10=-255/207

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-10-8 to 2-1-8, Exterior(2N) 2-1-8 to 7-6-0, Corner(3R) 7-6-0 to 13-6-0, Exterior(2N) 13-6-0 to 18-10-8, Corner(3E) 18-10-8 to 21-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=152, 8=152.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

March 29,2021

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

Job	Truss	Truss Type	Qty	Ply	Taylor - Fieldcrest F
QUOTE_FILE	T3	KINGPOST	1	1	I45387887
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Mar 26 16:37:56 2021 Page 1
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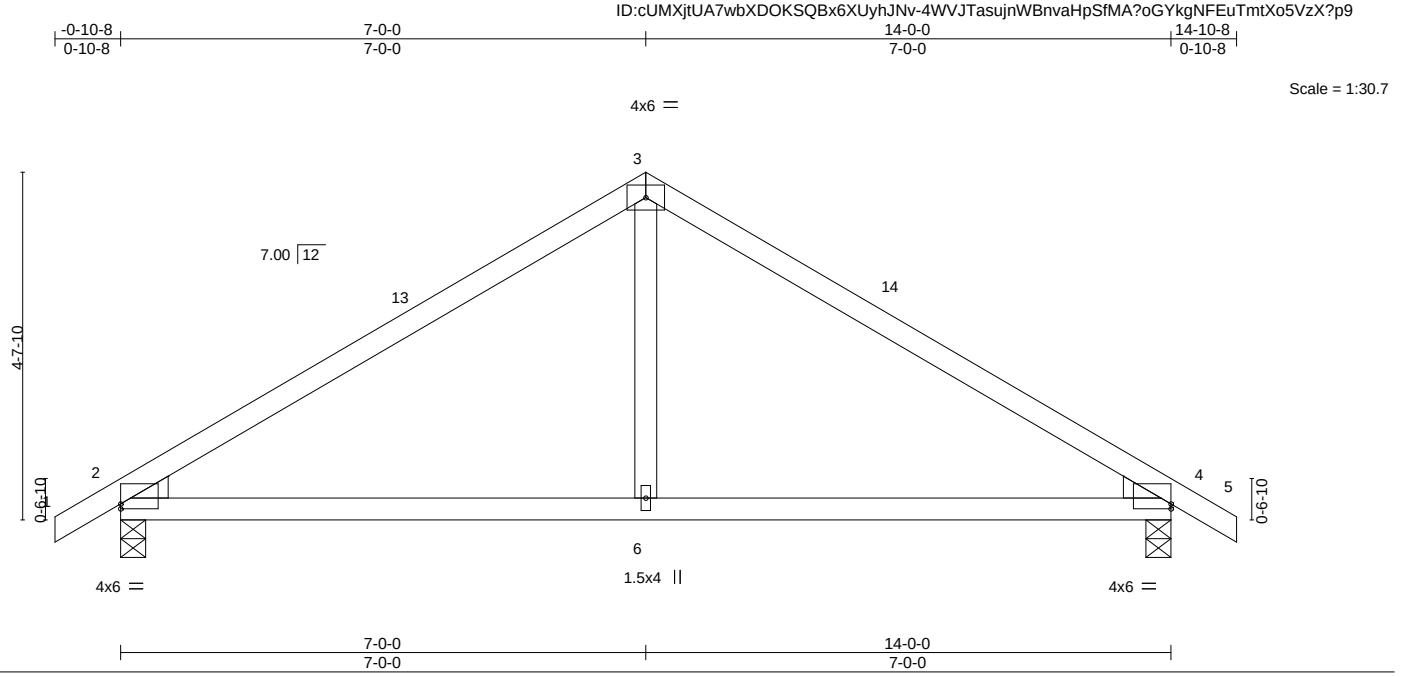

Plate Offsets (X,Y)-- [2:0-0-0,0-0-13], [4:0-0-0,0-0-13]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.56	Vert(LL)	0.07	6-9	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.43	Vert(CT)	-0.12	6-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.02	2	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS							Weight: 43 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF Stud
WEDGE
Left: 2x4 SP No.3 , Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-6-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-4-0, 4=0-4-0
Max Horz 2=-114(LC 8)
Max Uplift 2=-109(LC 10), 4=-109(LC 11)
Max Grav 2=613(LC 1), 4=613(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-706/159, 3-4=-706/159
BOT CHORD 2-6=-37/519, 4-6=-37/519
WEBS 3-6=0/318

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 4-0-0, Exterior(2R) 4-0-0 to 10-0-0, Interior(1) 10-0-0 to 11-10-8, Exterior(2E) 11-10-8 to 14-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=109, 4=109.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

March 29,2021

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

Job	Truss	Truss Type	Qty	Ply	Taylor - Fieldcrest F
QUOTE_FILE	T3G	GABLE	1	1	I45387888
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Mar 26 16:37:57 2021 Page 1

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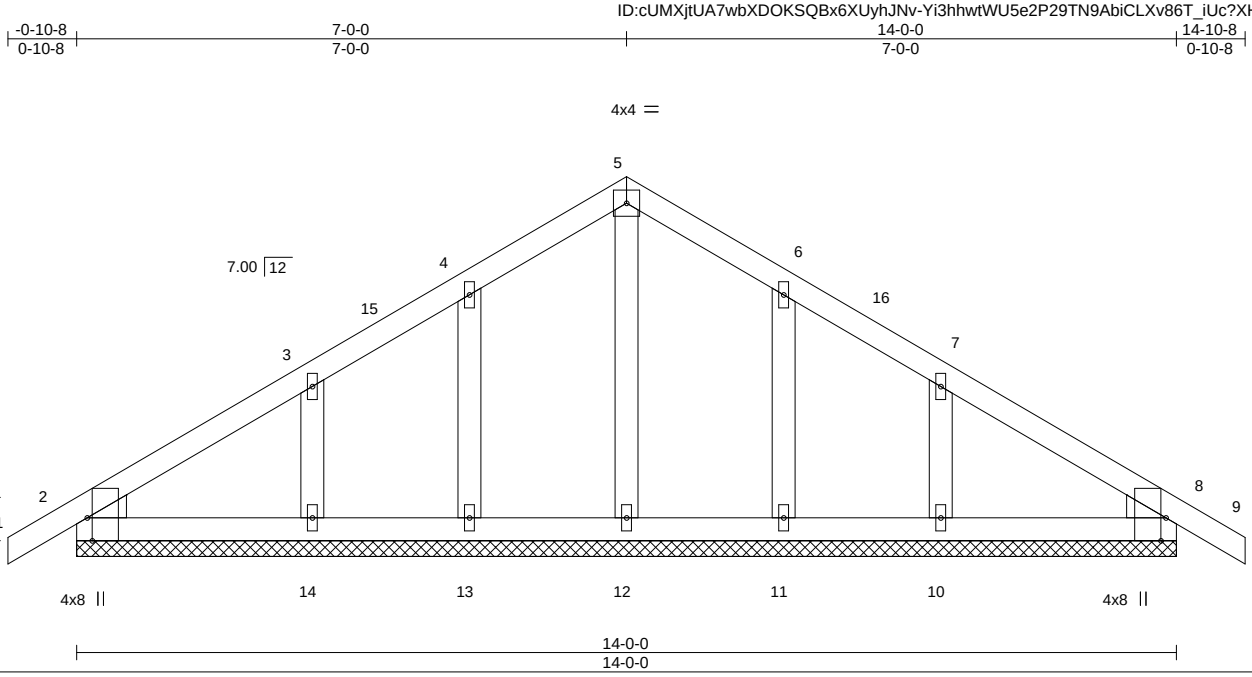

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [8:0-3-8,Edge]

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	0.07	Vert(LL)	0.00	9	n/r	120	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	0.00	9	n/r	90		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							Weight: 54 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF Stud
WEDGE
Left: 2x4 SPF Stud , Right: 2x4 SPF Stud

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 14-0-0.
(lb) - Max Horz 2=114(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 13, 14, 11, 10
Max Grav All reactions 250 lb or less at joint(s) 2, 8, 12, 13, 14, 11, 10

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 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 4-0-0, Exterior(2R) 4-0-0 to 10-0-0, Interior(1) 10-0-0 to 11-10-8, Exterior(2E) 11-10-8 to 14-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8, 13, 14, 11, 10.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

March 29,2021

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

Job	Truss	Truss Type	Qty	Ply	Taylor - Fieldcrest F
QUOTE_FILE	T04	Common	4	1	I45387889
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Mar 26 16:37:41 2021 Page 1
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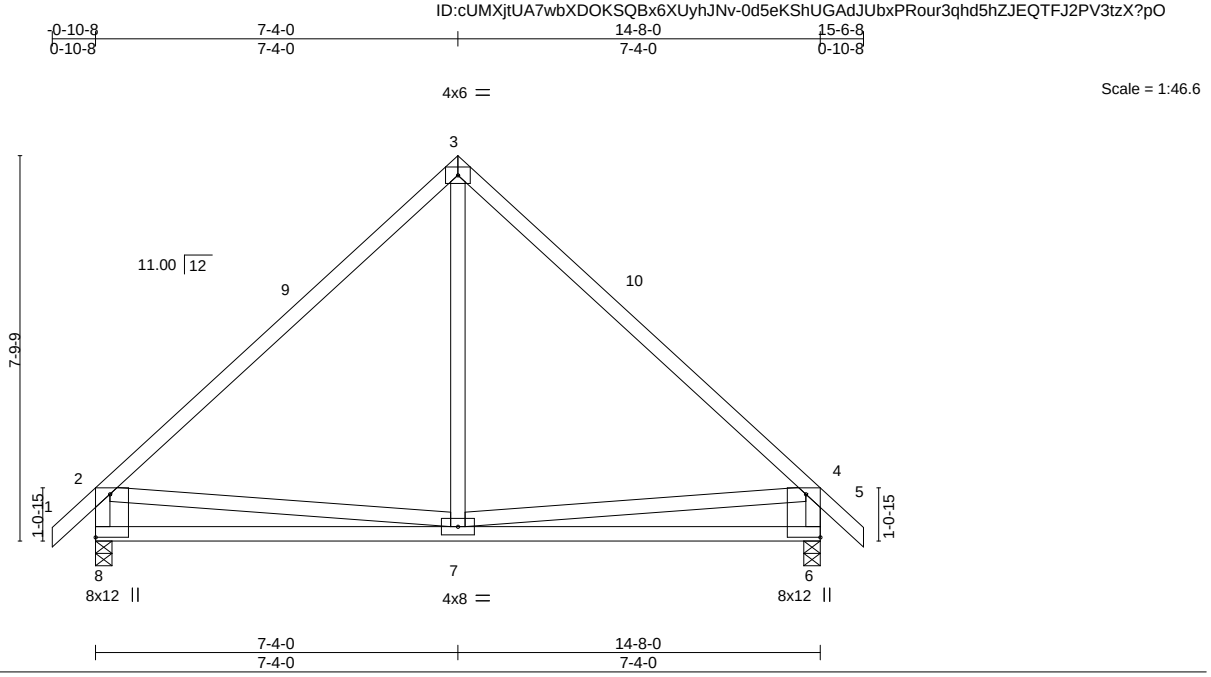

Plate Offsets (X,Y)-- [6:Edge,0-3-8], [8:Edge,0-3-8]

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	0.83	Vert(LL)	-0.05	6-7	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.40	Vert(CT)	-0.11	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MS							Weight: 68 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF Stud

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-7-1 oc bracing.

REACTIONS. (size) 8=0-4-0, 6=0-4-0
Max Horz 8=-217(LC 8)
Max Uplift 8=-96(LC 10), 6=-96(LC 11)
Max Grav 8=636(LC 1), 6=636(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-573/156, 3-4=-573/156, 2-8=-573/208, 4-6=-573/208
BOT CHORD 7-8=-372/531, 6-7=-277/373
WEBS 3-7=0/312, 2-7=-214/398, 4-7=-222/402

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 4-4-0, Exterior(2R) 4-4-0 to 10-4-0, Interior(1) 10-4-0 to 12-6-8, Exterior(2E) 12-6-8 to 15-6-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 6.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

March 29,2021

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

Job	Truss	Truss Type	Qty	Ply	Taylor - Fieldcrest F
QUOTE_FILE	T04GE	Common Supported Gable	1	1	I45387890
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Mar 26 16:37:42 2021 Page 1
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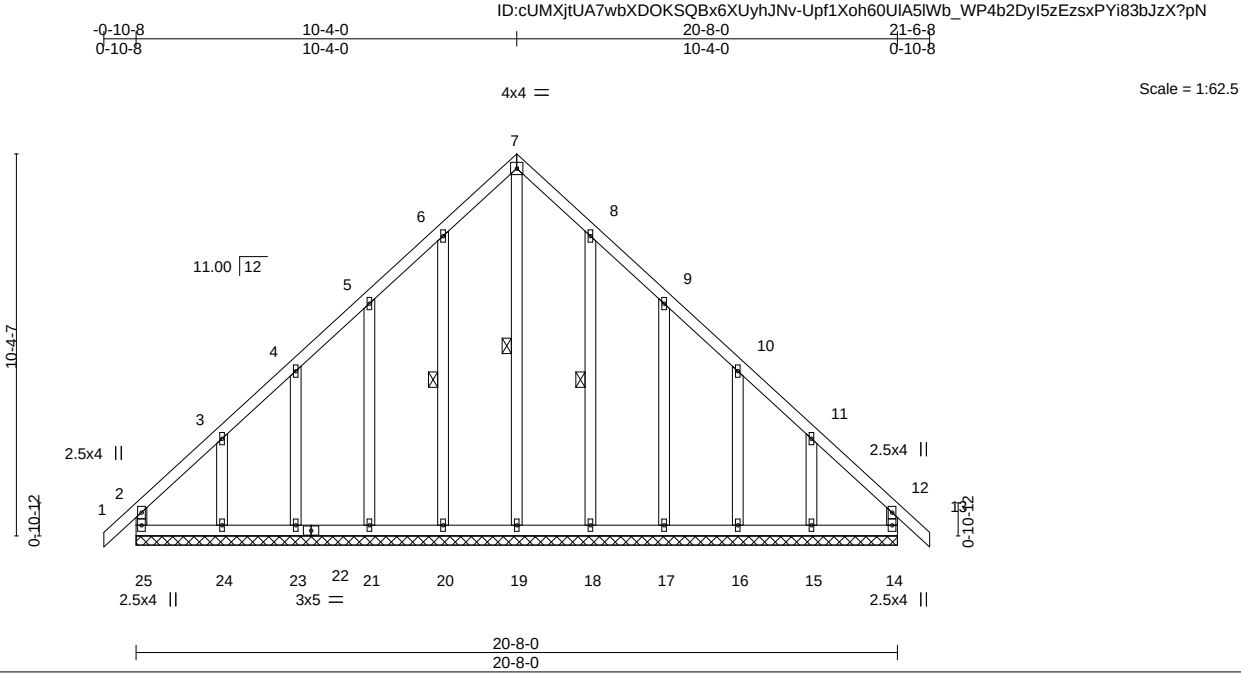

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.16	Vert(LL)	-0.00	13	n/r	120	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	-0.00	13	n/r	90		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.01	14	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-R							Weight: 119 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF Stud
OTHERS	2x4 SPF Stud

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 7-19, 6-20, 8-18

REACTIONS. All bearings 20-8-0.
(lb) - Max Horz 25=279(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 14, 20, 23, 18, 16 except 25=-121(LC 6), 21=-114(LC 10), 24=-193(LC 10), 17=-114(LC 11), 15=-185(LC 11)
Max Grav All reactions 250 lb or less at joint(s) 25, 14, 20, 21, 23, 24, 18, 17, 16, 15 except 19=323(LC 11)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 5-6=-157/279, 6-7=-204/364, 7-8=-204/364, 8-9=-157/279
WEBS 7-19=-408/171

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-10-8 to 2-4-0, Exterior(2N) 2-4-0 to 7-4-0, Corner(3R) 7-4-0 to 13-4-0, Exterior(2N) 13-4-0 to 18-4-0, Corner(3E) 18-4-0 to 21-6-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14, 20, 23, 18, 16 except (jt=lb) 25=121, 21=114, 24=193, 17=114, 15=185.
11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

March 29,2021

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

Job	Truss	Truss Type	Qty	Ply	Taylor - Fieldcrest F
QUOTE_FILE	T05	Common	1	1	I45387891
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Mar 26 16:37:43 2021 Page 1
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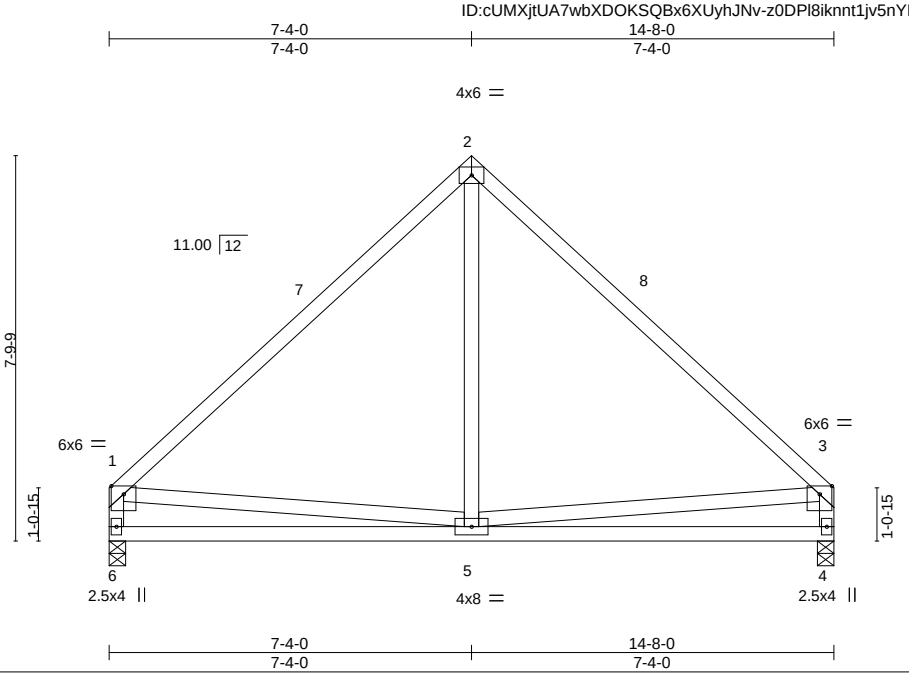


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.66	Vert(LL)	-0.05	4-5	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.39	Vert(CT)	-0.11	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MS							Weight: 65 lb	FT = 20%

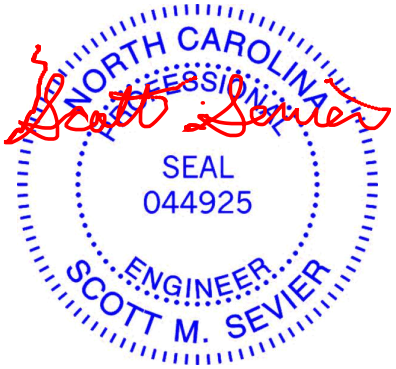
LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF Stud

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-3-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 6=0-4-0, 4=0-4-0
Max Horz 6=194(LC 7)
Max Uplift 6=-72(LC 11), 4=-72(LC 10)
Max Grav 6=575(LC 1), 4=575(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-571/148, 2-3=-571/148, 1-6=-512/161, 3-4=-512/161
BOT CHORD 5-6=-264/399, 4-5=-174/257
WEBS 2-5=0/303, 1-5=-123/261, 3-5=-128/263

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 4-4-0, Exterior(2R) 4-4-0 to 10-4-0, Interior(1) 10-4-0 to 11-6-4, Exterior(2E) 11-6-4 to 14-6-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 4.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



March 29,2021

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

Job	Truss	Truss Type	Qty	Ply	Taylor - Fieldcrest F	I45387892
QUOTE_FILE	T06	DBL. FINK	2	1	Job Reference (optional)	

84 Lumber 0280, Coal Center, PA 15423, Mitek

8.430 s Nov 30 2020 MiTek Industries, Inc. Mon Mar 29 11:33:04 2021 Page 1

ID:cUMXjtUA7wbXDOKSQBx6XUyhJNv-fe3BRsBrWbJ6qkTVzB44DdUdxD6nPCf0TPbbX6zW5_z

-0-10-8	6-3-14	12-10-15	19-6-0	26-1-1	32-8-2	39-0-0
0-10-8	6-3-14	6-7-1	6-7-1	6-7-1	6-7-1	6-3-14

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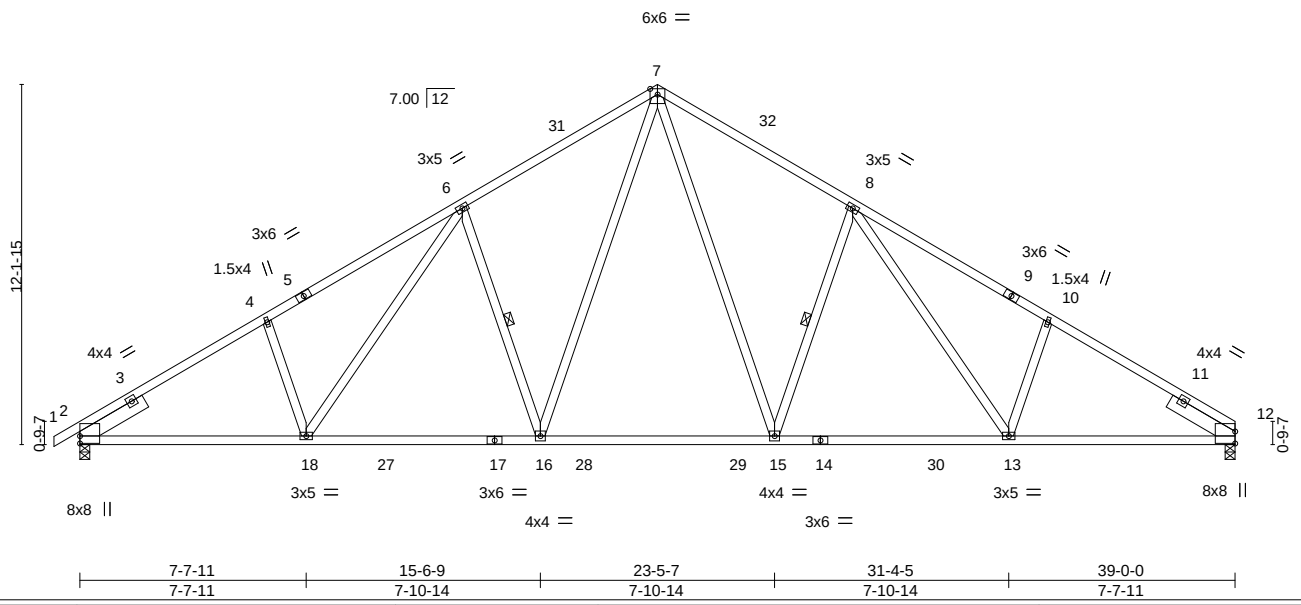

7-7-11	15-6-9	23-5-7	31-4-5	39-0-0
7-7-11	7-10-14	7-10-14	7-10-14	7-7-11

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	0.95	Vert(LL)	-0.27	16-18	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.93	Vert(CT)	-0.47	16-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.13	12	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MS							Weight: 183 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF 1650F 1.5E *Except*
	14-17: 2x4 SPF No.2
WEBS	2x4 SPF Stud
SLIDER	Left 2x6 SPF 1650F 1.5E - 2-6-0, Right 2x6 SPF 1650F 1.5E - 2-6-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS	1 Row at midpt 6-16, 8-15

REACTIONS. (lb/size) 2=1613/0-4-0, 12=1559/0-4-0
Max Horz 2=290(LC 9)
Max Uplift 2=-266(LC 10), 12=-244(LC 11)
Max Grav 2=1883(LC 17), 12=1833(LC 18)

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

TOP CHORD	2-3=-885/34, 3-4=-2803/390, 4-5=-2743/440, 5-6=-2673/465, 6-31=-2211/427, 7-31=-2116/440, 7-32=-2117/440, 8-32=-2212/427, 8-9=-2677/467, 9-10=-2747/441, 10-11=-2807/391, 11-12=-932/44
BOT CHORD	2-18=-439/2540, 18-27=-283/2153, 17-27=-283/2153, 16-17=-283/2153, 16-28=-96/1597, 28-29=-96/1597, 15-29=-96/1597, 14-15=-151/2003, 14-30=-151/2003, 13-30=-151/2003, 12-13=-250/2334
WEBS	6-18=-153/566, 6-16=-688/348, 7-16=-247/1074, 7-15=-247/1075, 8-15=-690/348, 8-13=-155/571, 10-13=-251/229

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 16-6-0, Exterior(2R) 16-6-0 to 22-6-0, Interior(1) 22-6-0 to 36-0-0, Exterior(2E) 36-0-0 to 39-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) All bearings are assumed to be SPF No.2 crushing capacity of 425 psi.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 266 lb uplift at joint 2 and 244 lb uplift at joint 12.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

March 29,2021

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

Job	Truss	Truss Type	Qty	Ply	Taylor - Fieldcrest F	I45387893
QUOTE_FILE	T06C	DBL. FINK	5	1	Job Reference (optional)	

84 Lumber 0280, Coal Center, PA 15423, Mitek

8.430 s Nov 30 2020 MiTek Industries, Inc. Mon Mar 29 11:34:14 2021 Page 1

ID:cUMXjtUA7wbXDOKSQBx6XUyhJNv-c6Ie7o2l168AEUqy3uKU3NNdJQ0aoqcJZIZI_2zW4zt

-0-10-8 2-4-0	6-11-0	11-6-0	16-1-0	19-6-0	25-10-13	32-3-11	39-0-0
0-10-8 2-4-0	4-7-0	4-7-0	4-7-0	3-5-0	6-4-13	6-4-13	6-8-5

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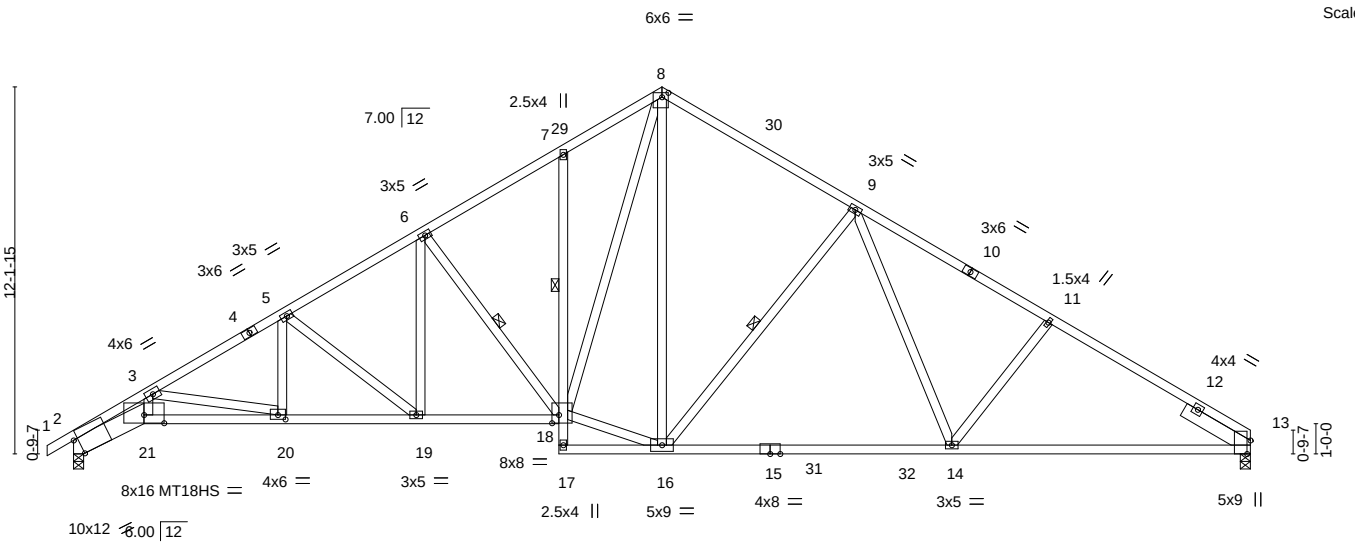

2-4-0	6-11-0	11-6-0	16-1-0	19-6-0	29-1-4	39-0-0
2-4-0	4-7-0	4-7-0	4-7-0	3-5-0	9-7-4	9-10-12

Plate Offsets (X,Y)-- [2:0-1-11,0-6-9], [8:0-2-8,0-1-12], [13:0-5-6,Edge], [18:0-2-12,0-3-4], [20:0-3-0,0-1-12], [21:0-8-0,0-3-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.82	Vert(LL)	-0.41	14-16	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.84	Vert(CT)	-0.70	14-16	>666	180	MT18HS	197/144
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.95	Horz(CT)	0.26	13	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS							Weight: 206 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF 1650F 1.5E *Except*
	2-21: 2x8 SP No.1, 7-17: 2x4 SPF Stud
WEBS	2x4 SPF Stud
SLIDER	Right 2x6 SPF 1650F 1.5E - 2-6-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
	1 Row at midpt 7-18
WEBS	1 Row at midpt 6-18, 9-16

REACTIONS. (lb/size) 2=1613/0-4-0, 13=1559/0-4-0
Max Horz 2=290(LC 7)
Max Uplift 2=-266(LC 10), 13=-244(LC 11)
Max Grav 2=1813(LC 17), 13=1784(LC 18)

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

TOP CHORD	2-3=-5369/922, 3-4=-3432/505, 4-5=-3343/516, 5-6=-2766/432, 6-7=-2215/398, 7-29=-2214/468, 8-29=-2138/481, 8-30=-1708/379, 9-30=-1800/366, 9-10=-2467/399, 10-11=-2538/383, 11-12=-2690/399, 12-13=-1007/0
BOT CHORD	2-21=-976/4878, 20-21=-914/4557, 19-20=-528/3134, 18-19=-347/2490, 16-31=-149/1908, 15-31=-149/1908, 15-32=-149/1908, 14-32=-149/1908, 13-14=-251/2236
WEBS	3-21=-208/1264, 3-20=-1453/394, 5-20=-33/512, 5-19=-810/229, 6-19=-78/658, 6-18=-828/245, 16-18=-56/1620, 8-18=-379/1470, 8-16=-180/568, 9-16=-802/310, 9-14=-68/629, 11-14=-268/226

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 16-6-0, Exterior(2R) 16-6-0 to 22-6-0, Interior(1) 22-6-0 to 36-0-0, Exterior(2E) 36-0-0 to 39-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) All bearings are assumed to be SPF No.2 crushing capacity of 425 psi.
7) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 266 lb uplift at joint 2 and 244 lb uplift at joint 13.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

March 29,2021

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

Job	Truss	Truss Type	Qty	Ply	Taylor - Fieldcrest F
QUOTE_FILE	T06GE	Common Supported Gable	1	1	I45387894
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Mar 26 16:37:47 2021 Page 1
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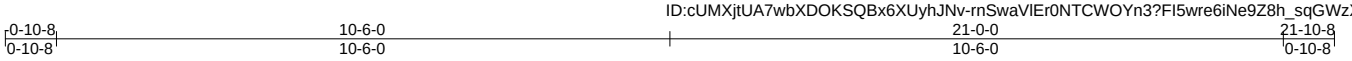

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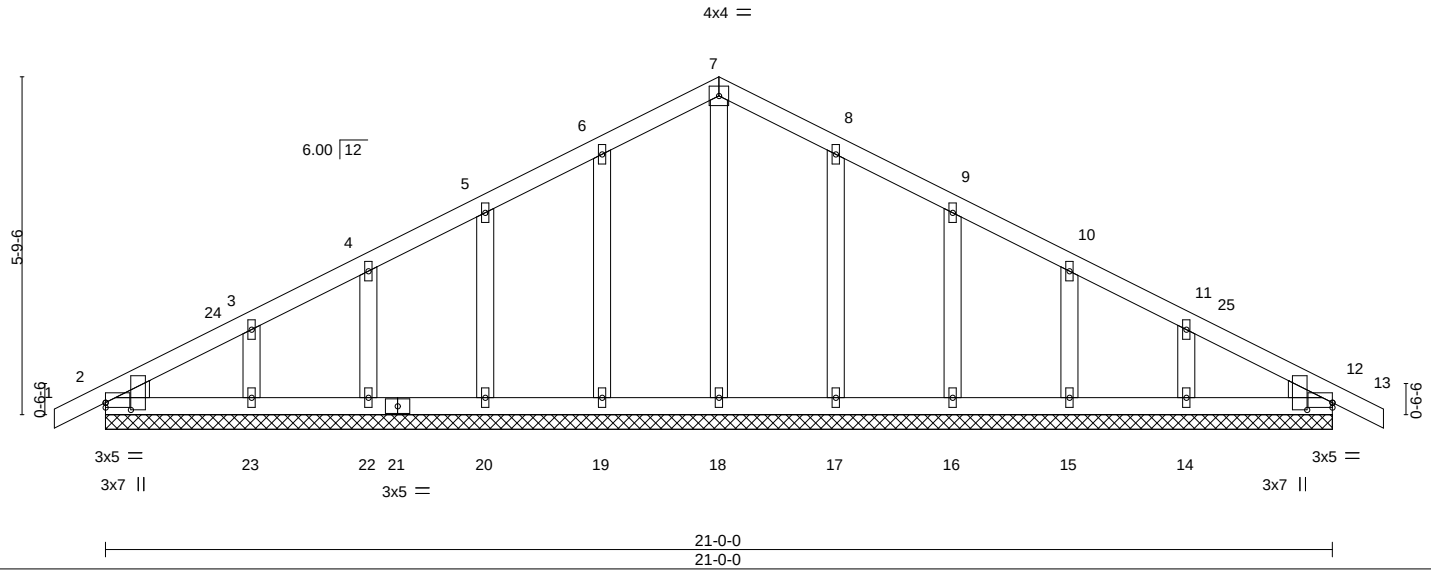

Plate Offsets (X,Y)-- [2:0-0-0,0-1-0], [2:0-1-8,0-5-3], [12:Edge,0-1-0], [12:0-1-8,0-5-3]

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)	0.00	12	n/r	120	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	0.00	12	n/r	90		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							Weight: 85 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF Stud
WEDGE
Left: 2x4 SPF Stud , Right: 2x4 SPF Stud

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

REACTIONS. All bearings 21-0-0.
(lb) - Max Horz 2=95(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 19, 20, 22, 23, 17, 16, 15, 14, 12
Max Grav All reactions 250 lb or less at joint(s) 2, 18, 19, 20, 22, 23, 17, 16, 15, 14, 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 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-10-8 to 2-1-8, Exterior(2N) 2-1-8 to 7-6-0, Corner(3R) 7-6-0 to 13-6-0, Exterior(2N) 13-6-0 to 18-10-8, Corner(3E) 18-10-8 to 21-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 19, 20, 22, 23, 17, 16, 15, 14, 12.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

March 29,2021

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

Job	Truss	Truss Type	Qty	Ply	Taylor - Fieldcrest F
QUOTE_FILE	T07GE	Common Supported Gable	1	1	I45387895
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Mar 26 16:37:49 2021 Page 1
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0-10-8 16-10-0 16-10-0 0-10-8

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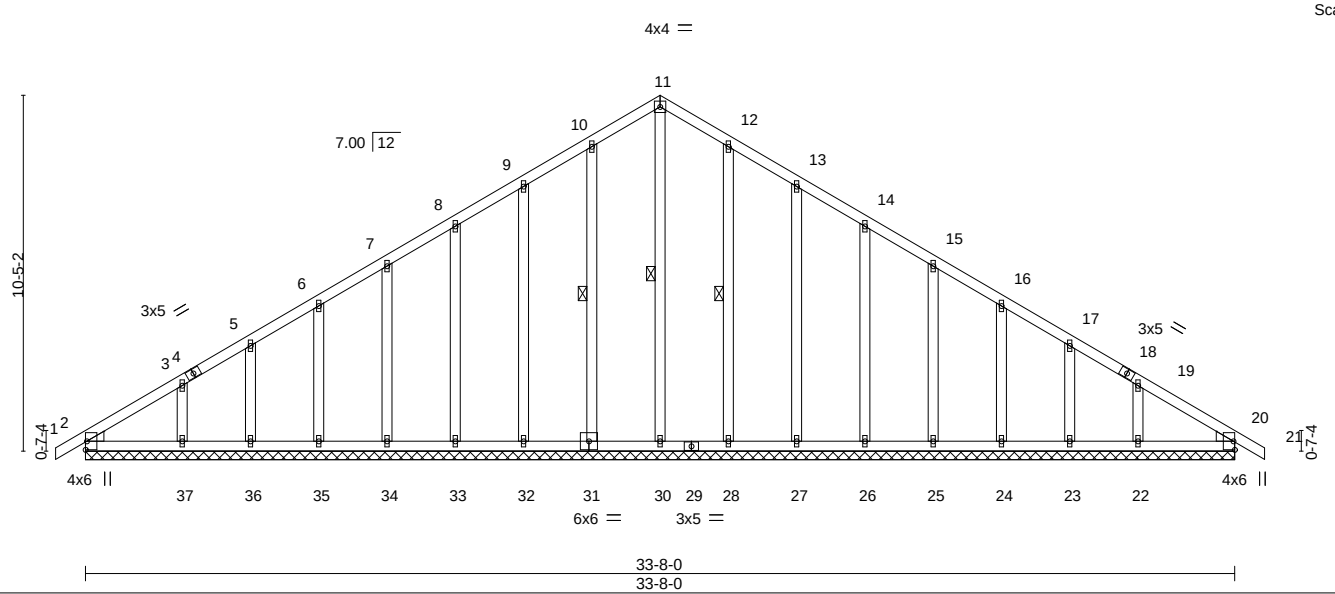

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.08	Vert(LL)	0.00	20	n/r	120	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	0.00	21	n/r	90		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.01	20	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							Weight: 181 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF Stud
WEDGE
Left: 2x4 SPF Stud , Right: 2x4 SPF Stud

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 11-30, 10-31, 12-28

REACTIONS. All bearings 33-8-0.
(lb) - Max Horz 2=255(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 2, 31, 32, 33, 34, 35, 36, 28, 27, 26, 25, 24, 23, 20 except 37=-111(LC 10), 22=-105(LC 11)
Max Grav All reactions 250 lb or less at joint(s) 2, 30, 31, 32, 33, 34, 35, 36, 37, 28, 27, 26, 25, 24, 23, 22, 20

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 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-10-8 to 2-1-8, Exterior(2N) 2-1-8 to 13-10-0, Corner(3R) 13-10-0 to 19-10-0, Exterior(2N) 19-10-0 to 31-6-8, Corner(3E) 31-6-8 to 34-6-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 31, 32, 33, 34, 35, 36, 28, 27, 26, 25, 24, 23, 20 except (jt=lb) 37=111, 22=105.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

March 29,2021

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

Job	Truss	Truss Type	Qty	Ply	Taylor - Fieldcrest F
QUOTE_FILE	T08GE	Common Supported Gable	1	1	I45387896
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Mar 26 16:37:51 2021 Page 1
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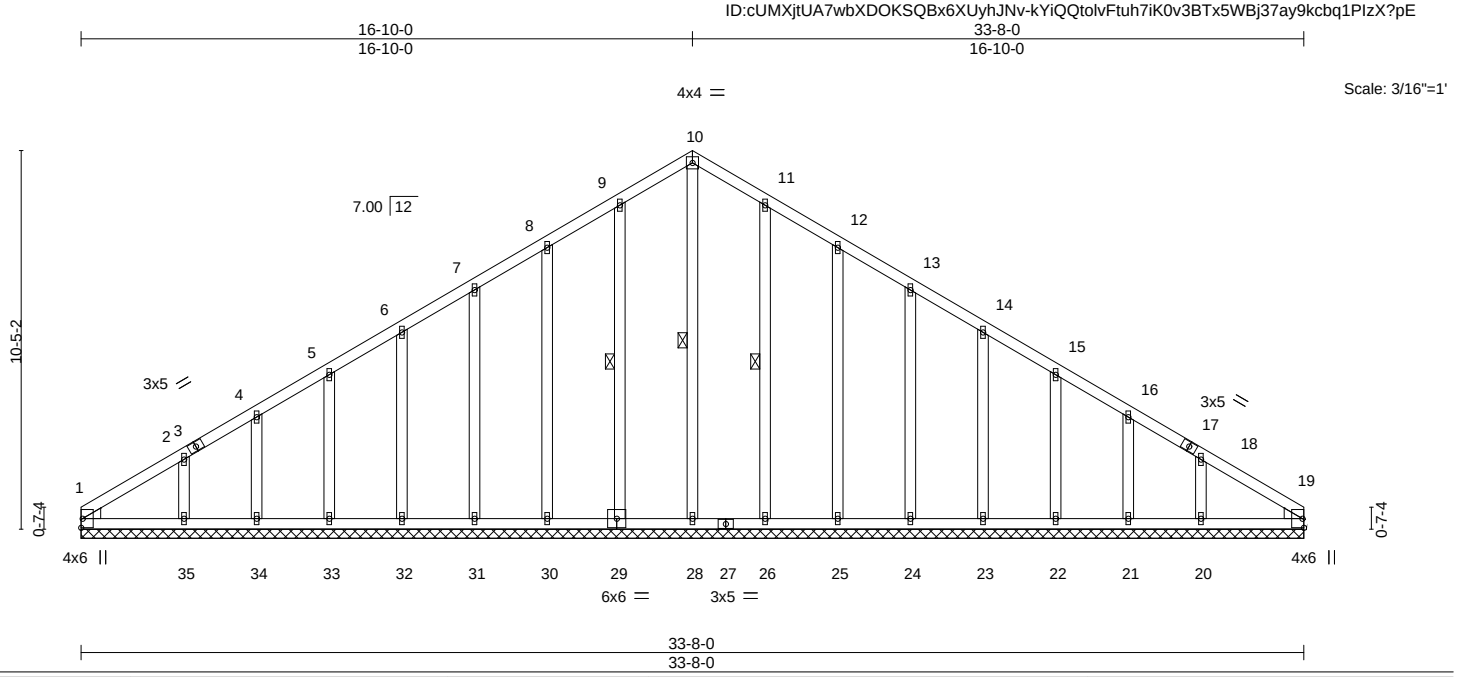

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.01	19	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 179 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF Stud
WEDGE
Left: 2x4 SPF Stud , Right: 2x4 SPF Stud

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 10-28, 9-29, 11-26

REACTIONS. All bearings 33-8-0.
(lb) - Max Horz 1=-250(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) 1, 29, 30, 31, 32, 33, 34, 26, 25, 24, 23, 22, 21, 19 except 35=-118(LC 10), 20=-112(LC 11)
Max Grav All reactions 250 lb or less at joint(s) 1, 28, 29, 30, 31, 32, 33, 34, 26, 25, 24, 23, 22, 21, 19 except 35=259(LC 17), 20=253(LC 18)

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 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) 0-0-0 to 2-10-0, Exterior(2N) 2-10-0 to 13-10-0, Corner(3R) 13-10-0 to 19-10-0, Exterior(2N) 19-10-0 to 30-8-0, Corner(3E) 30-8-0 to 33-8-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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 1.5x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 29, 30, 31, 32, 33, 34, 26, 25, 24, 23, 22, 21, 19 except (jt=lb) 35=118, 20=112.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

March 29,2021

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

Job	Truss	Truss Type	Qty	Ply	Taylor - Fieldcrest F
QUOTE_FILE	T09	Common	7	1	I45387897
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Mar 26 16:37:52 2021 Page 1

ID:cUMXjtUA7wbXDOKSQBx6XUyhJNv-ClGodDpNgY0lIHHWacaQ?9ecO7CBJJUtrFZbykzX?pD

-0-10-8	5-7-10	11-2-13	16-10-0	22-5-3	28-0-6	33-8-0	34-6-8
0-10-8	5-7-10	5-7-3	5-7-3	5-7-3	5-7-3	5-7-10	0-10-8

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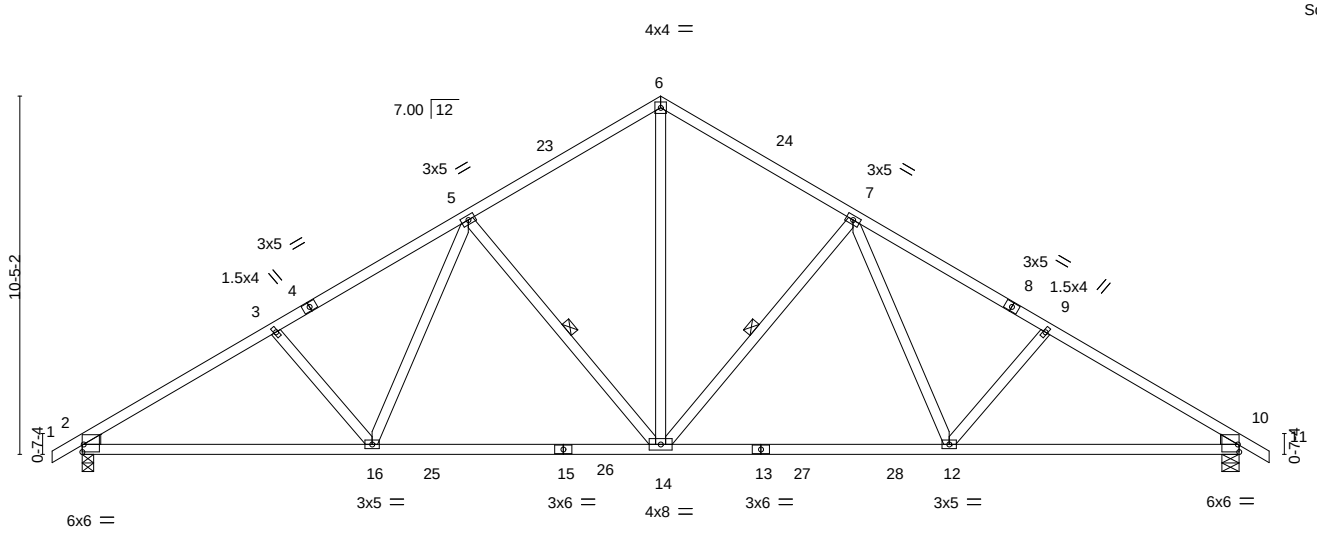

8-5-4	16-10-0	25-2-12	33-8-0
8-5-4	8-4-12	8-4-12	8-5-4

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

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	0.44	Vert(LL)	-0.23	14-16	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.89	Vert(CT)	-0.40	14-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.10	10	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MS							Weight: 143 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF Stud
WEDGE	
Left: 2x4 SPF Stud , Right: 2x4 SPF Stud	

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-5-11 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 9-5-5 oc bracing.
WEBS	1 Row at midpt 7-14, 5-14

REACTIONS. (size) 2=0-4-0, 10=0-6-0
Max Horz 2=-255(LC 8)
Max Uplift 2=-233(LC 10), 10=-233(LC 11)
Max Grav 2=1602(LC 17), 10=1602(LC 18)

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

TOP CHORD	2-3=-2430/352, 3-5=-2262/345, 5-6=-1604/328, 6-7=-1604/328, 7-9=-2262/345, 9-10=-2431/352
BOT CHORD	2-16=-383/2206, 14-16=-235/1829, 12-14=-119/1700, 10-12=-210/2014
WEBS	6-14=-183/1267, 7-14=-688/270, 7-12=-57/548, 9-12=-266/198, 5-14=-688/270, 5-16=-57/548, 3-16=-266/198

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 13-10-0, Exterior(2R) 13-10-0 to 19-10-0, Interior(1) 19-10-0 to 31-6-8, Exterior(2E) 31-6-8 to 34-6-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=233, 10=233.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

March 29,2021

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

Job	Truss	Truss Type	Qty	Ply	Taylor - Fieldcrest F
QUOTE_FILE	T09AC	FAN	3	1	I45387898
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Mar 26 16:37:53 2021 Page 1
ID:cUMXjtUA7wbXDOKSQBx6XUyhJNv-gxpBrZq?Rs8cwRsi8K5fYMAorXfj2jd04vJ8UAzX?pC

-0-10-8	5-9-15	11-3-15	16-10-0	22-4-1	27-10-1	33-8-0	34-6-8
0-10-8	5-9-15	5-6-1	5-6-1	5-6-1	5-6-1	5-9-15	0-10-8

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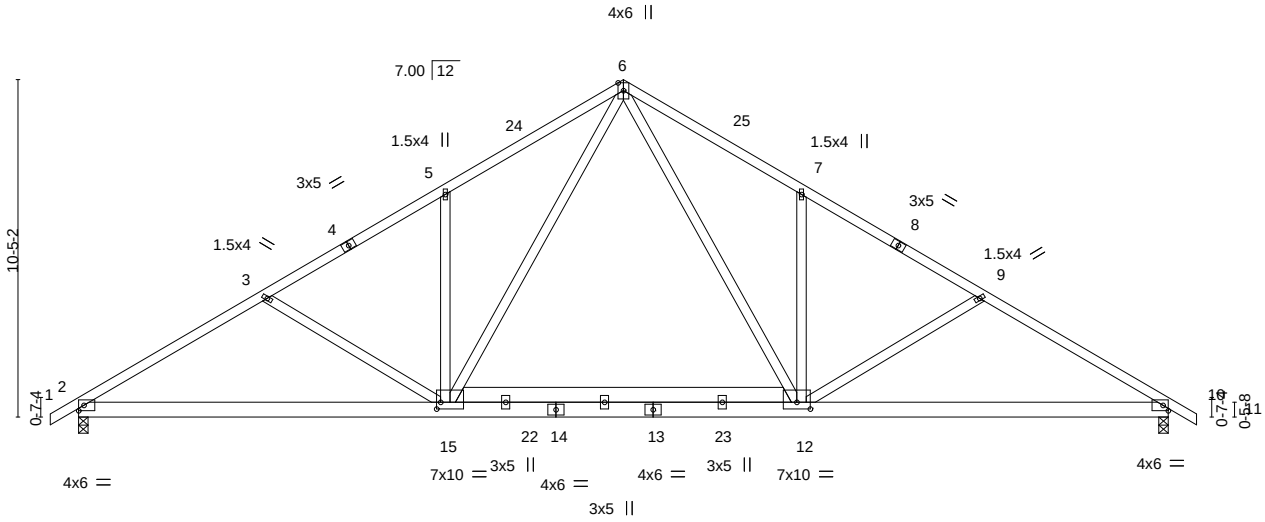

11-3-15	22-4-1	33-8-0
11-3-15	11-0-1	11-3-15

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

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	0.33	Vert(LL)	-0.15	12-15	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.43	Vert(CT)	-0.26	12-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.05	10	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MS							Weight: 180 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x6 SPF 1650F 1.5E
WEBS 2x4 SPF Stud

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-7-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=-255(LC 8)
Max Uplift 2=-234(LC 10), 10=-234(LC 11)
Max Grav 2=1595(LC 17), 10=1595(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2419/373, 3-5=-2122/306, 5-6=-2169/448, 6-7=-2167/447, 7-9=-2120/306, 9-10=-2417/372
BOT CHORD 2-15=-399/2204, 12-15=-79/1354, 10-12=-226/2012
WEBS 5-15=-376/262, 7-12=-376/262, 3-15=-348/225, 6-15=-278/1153, 6-12=-277/1151, 9-12=-349/225

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 13-10-0, Exterior(2R) 13-10-0 to 19-10-0, Interior(1) 19-10-0 to 31-6-8, Exterior(2E) 31-6-8 to 34-6-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=234, 10=234.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

March 29,2021

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

Job	Truss	Truss Type	Qty	Ply	Taylor - Fieldcrest F
QUOTE_FILE	T9	FINK	6	1	I45387899
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Mar 26 16:37:58 2021 Page 1
ID:cUMXjtUA7wbXDOKSQBx6XUyhJNv-0ud4uGu8FOmv0CkgwthqFPudIYIsj6zmDB0v9OzX?p7

-0-10-8 5-2-6 10-0-0 14-9-10 20-0-0 20-10-8
0-10-8 5-2-6 4-9-10 4-9-10 5-2-6 0-10-8

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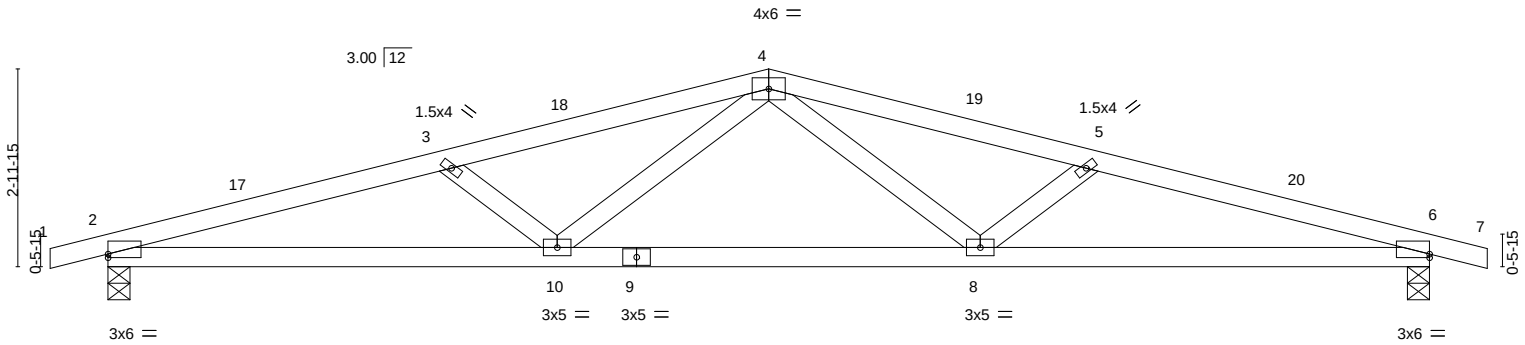

6-9-9 13-2-7 20-0-0
6-9-9 6-4-13 6-9-9

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

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	0.41	Vert(LL)	-0.15	8-10	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.68	Vert(CT)	-0.30	8-10	>792	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.06	6	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS							Weight: 62 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF Stud

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-7-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-10-3 oc bracing.

REACTIONS. (size) 2=0-4-0, 6=0-4-0
Max Horz 2=45(LC 14)
Max Uplift 2=-184(LC 6), 6=-184(LC 7)
Max Grav 2=853(LC 1), 6=853(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2174/633, 3-4=-1931/538, 4-5=-1931/538, 5-6=-2174/633
BOT CHORD 2-10=-560/2069, 8-10=-389/1479, 6-8=-560/2069
WEBS 3-10=-327/190, 4-10=-62/506, 4-8=-62/506, 5-8=-327/190

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 7-0-0, Exterior(2R) 7-0-0 to 13-0-0, Interior(1) 13-0-0 to 17-10-8, Exterior(2E) 17-10-8 to 20-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=184, 6=184.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

March 29,2021

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

Job	Truss	Truss Type	Qty	Ply	Taylor - Fieldcrest F
QUOTE_FILE	T9A	FINK	1	1	I45387900
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Mar 26 16:37:59 2021 Page 1
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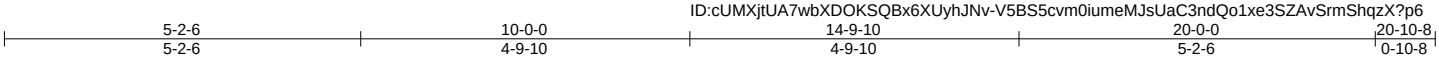

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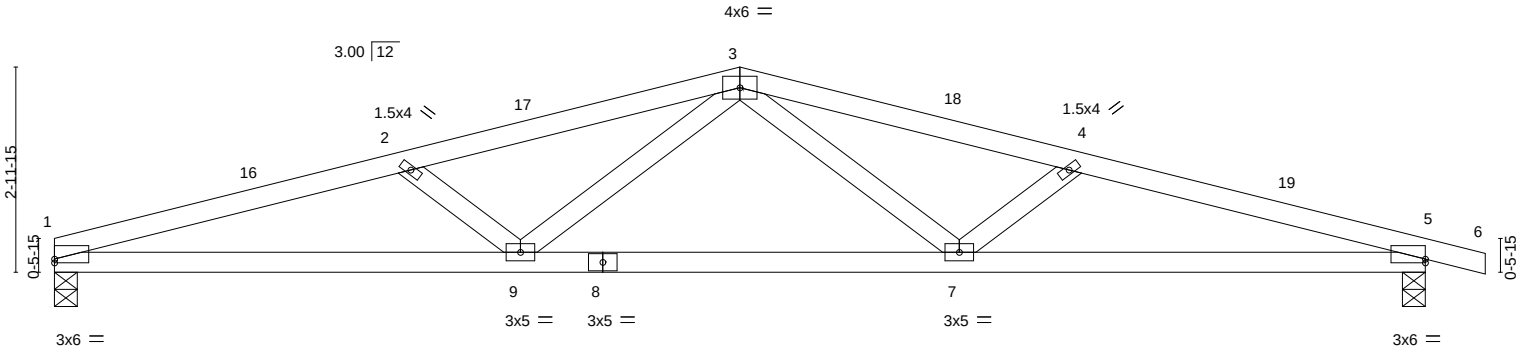

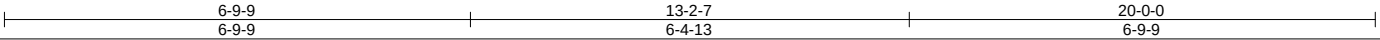

Plate Offsets (X,Y)-- [1:0-0-0,0-0-10], [5:0-0-0,0-0-10]

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	0.41	Vert(LL)	-0.15	7-9	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.69	Vert(CT)	-0.30	7-9	>795	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.06	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MS							Weight: 61 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF Stud

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-7-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-7-14 oc bracing.

REACTIONS. (size) 1=0-4-0, 5=0-4-0
Max Horz 1=-49(LC 11)
Max Uplift 1=-145(LC 6), 5=-184(LC 7)
Max Grav 1=799(LC 1), 5=854(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2188/663, 2-3=-1942/561, 3-4=-1935/547, 4-5=-2178/642
BOT CHORD 1-9=-591/2083, 7-9=-399/1483, 5-7=-569/2073
WEBS 2-9=-332/191, 3-9=-65/514, 3-7=-62/506, 4-7=-327/190

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 7-0-0, Exterior(2R) 7-0-0 to 13-0-0, Interior(1) 13-0-0 to 17-10-8, Exterior(2E) 17-10-8 to 20-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=145, 5=184.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

March 29,2021

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

Job	Truss	Truss Type	Qty	Ply	Taylor - Fieldcrest F
QUOTE_FILE	T9G	GABLE	1	1	I45387901
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Mar 26 16:38:00 2021 Page 1
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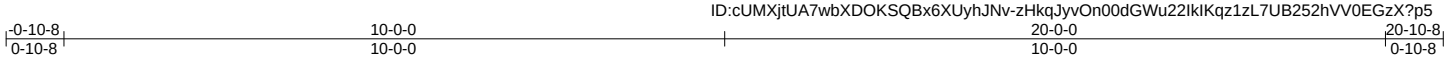

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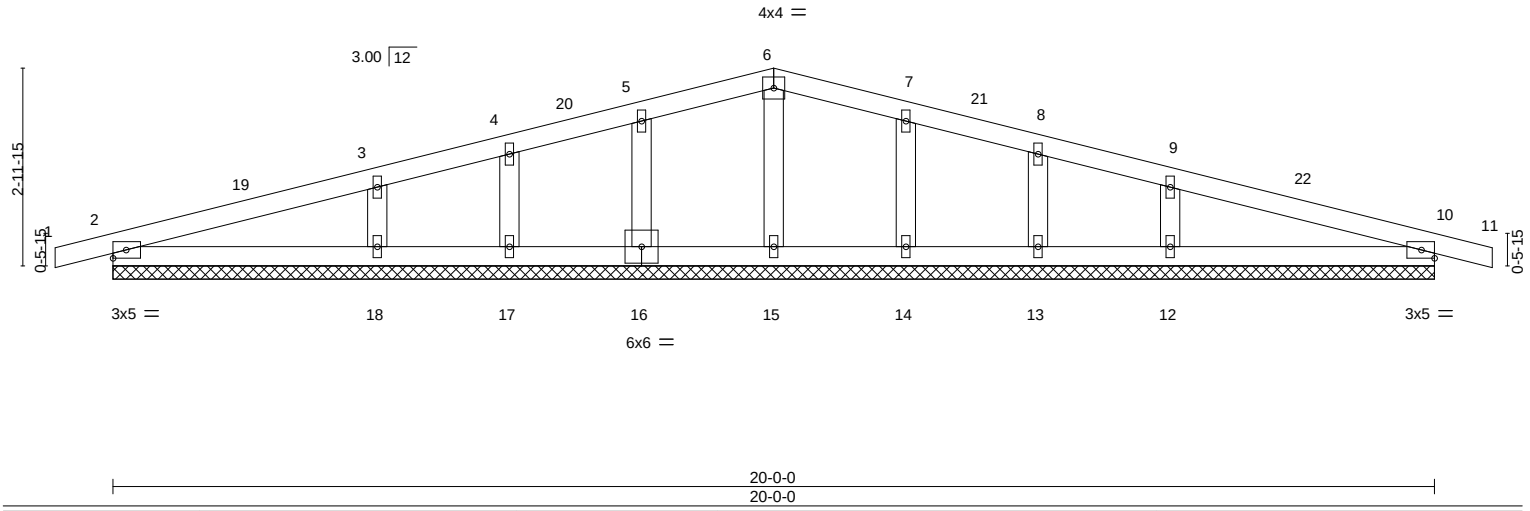


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	0.00	11	n/r	120	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	0.01	11	n/r	90		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 61 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF Stud

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=45(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10, 16, 17, 18, 14, 13, 12
Max Grav All reactions 250 lb or less at joint(s) 2, 10, 15, 16, 17, 14, 13 except 18=315(LC 23), 12=315(LC 24)

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 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 7-0-0, Exterior(2R) 7-0-0 to 13-0-0, Interior(1) 13-0-0 to 17-10-8, Exterior(2E) 17-10-8 to 20-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10, 16, 17, 18, 14, 13, 12.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

March 29,2021

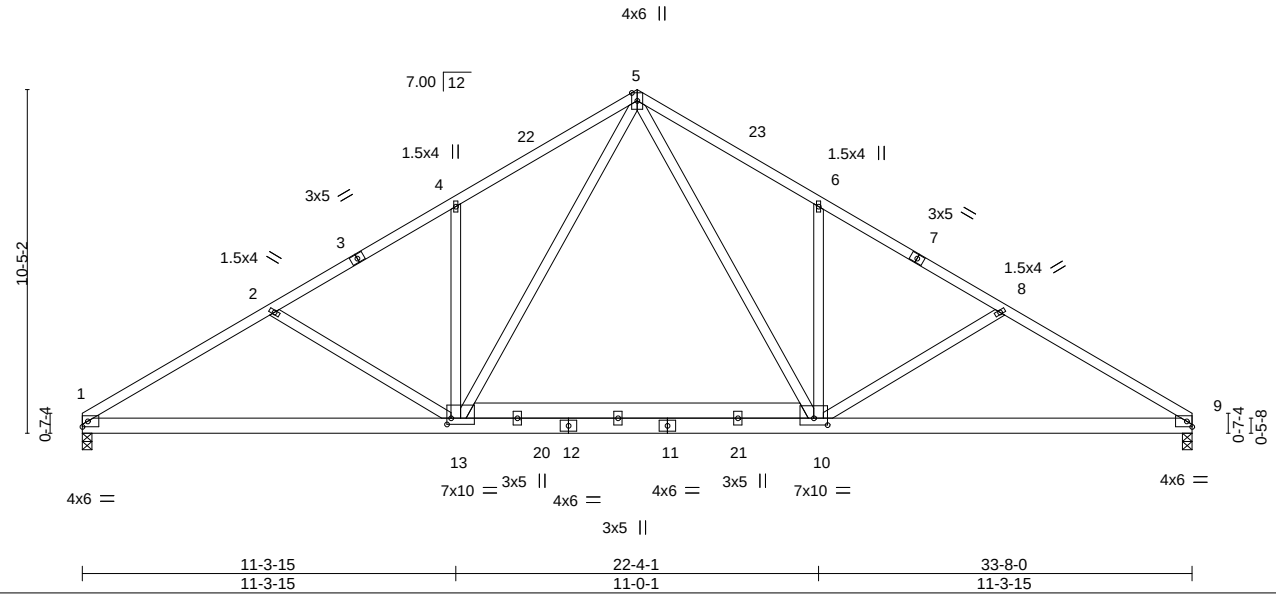
ENGINEERING BY
TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Taylor - Fieldcrest F
QUOTE_FILE	T10AC	FAN	1	1	I45387902
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Mar 26 16:37:54 2021 Page 1
ID:cUMXjtUA7wbXDOKSQBx6XUyhJNv-87NZ2vrdCAGTYbRvh1du4ajzbw_vnApAIZ2h0czX?pB

5-9-15	11-3-15	16-10-0	22-4-1	27-10-1	33-8-0
5-9-15	5-6-1	5-6-1	5-6-1	5-6-1	5-9-15

Scale = 1:69.9



11-3-15	22-4-1	33-8-0
11-3-15	11-0-1	11-3-15

Plate Offsets (X,Y)-- [10:0-5-0,0-2-8], [13:0-1-8,0-2-4]

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	0.33	Vert(LL)	-0.15	10-13	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.43	Vert(CT)	-0.26	10-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.05	9	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MS							Weight: 178 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x6 SPF 1650F 1.5E
WEBS 2x4 SPF Stud

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-7-11 oc purlins.
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=-243(LC 8)
Max Uplift 1=-212(LC 10), 9=-212(LC 11)
Max Grav 1=1546(LC 17), 9=1546(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2424/375, 2-4=-2126/310, 4-5=-2173/449, 5-6=-2171/448, 6-8=-2124/310, 8-9=-2423/375
BOT CHORD 1-13=-409/2203, 10-13=-88/1350, 9-10=-247/2020
WEBS 4-13=-376/262, 6-10=-376/262, 2-13=-349/226, 5-13=-279/1156, 5-10=-279/1154, 8-10=-350/226

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 13-10-0, Exterior(2R) 13-10-0 to 19-10-0 , Interior(1) 19-10-0 to 30-8-0, Exterior(2E) 30-8-0 to 33-8-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=212, 9=212.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

March 29,2021

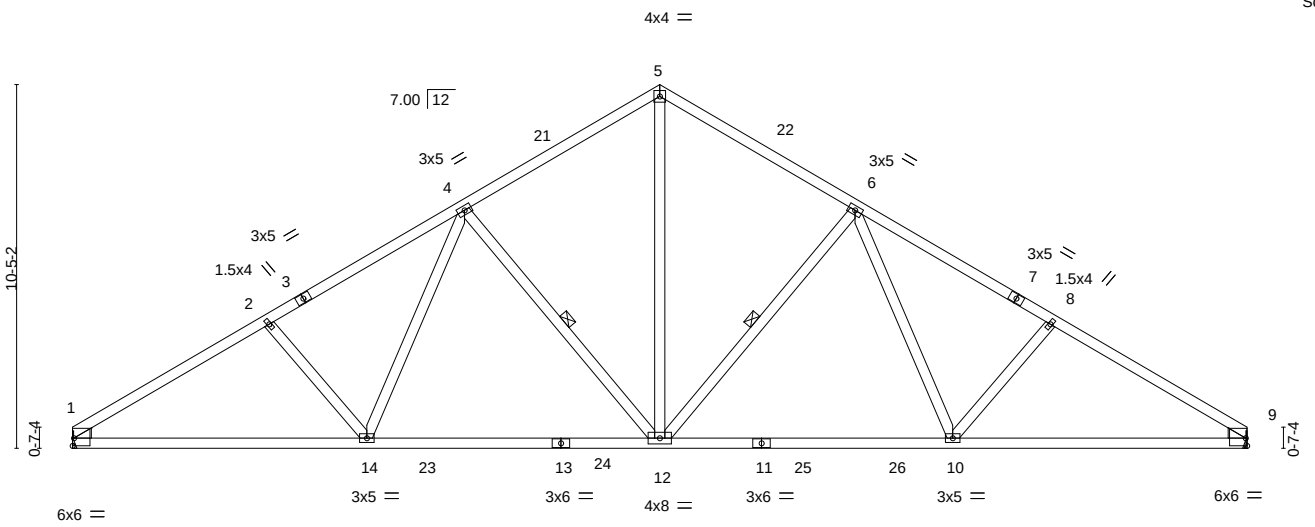
ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Taylor - Fieldcrest F
QUOTE_FILE	T11	Common	10	1	I45387903
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Mar 26 16:37:55 2021 Page 1
ID:cUMXjtUA7wbXDOKSQBx6XUyhJNv-cJxxGFsGzTOK9l?5Fl87dnG7xKDvWgEJXDoFY3zX?pA

5-7-10	11-2-13	16-10-0	22-5-3	28-0-6	33-8-0
5-7-10	5-7-3	5-7-3	5-7-3	5-7-3	5-7-10

Scale = 1:66.0



8-5-4	16-10-0	25-2-12	33-8-0
8-5-4	8-4-12	8-4-12	8-5-4

Plate Offsets (X,Y)-- [1:Edge,0-2-10], [9:Edge,0-2-10]

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	0.42	Vert(LL)	-0.23	12-14	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.89	Vert(CT)	-0.40	12-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.10	9	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS							Weight: 141 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF Stud
WEDGE
Left: 2x4 SPF Stud , Right: 2x4 SPF Stud

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-6-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-3-13 oc bracing.
WEBS 1 Row at midpt 6-12, 4-12

REACTIONS. (size) 1=Mechanical, 9=Mechanical
Max Horz 1=243(LC 7)
Max Uplift 1=-212(LC 10), 9=-212(LC 11)
Max Grav 1=1552(LC 17), 9=1552(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2436/354, 2-4=-2268/347, 4-5=-1606/330, 5-6=-1606/330, 6-8=-2268/347, 8-9=-2437/355
BOT CHORD 1-14=-393/2206, 12-14=-245/1826, 10-12=-136/1697, 9-10=-230/2024
WEBS 5-12=-184/1269, 6-12=-690/270, 6-10=-59/553, 8-10=-269/199, 4-12=-690/270, 4-14=-58/552, 2-14=-269/199

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 13-10-0, Exterior(2R) 13-10-0 to 19-10-0 , Interior(1) 19-10-0 to 30-8-0, Exterior(2E) 30-8-0 to 33-8-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=212, 9=212.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

March 29,2021

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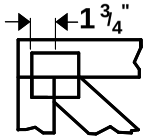
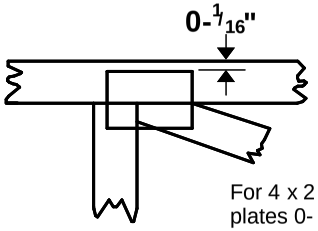
Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

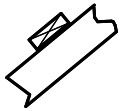
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

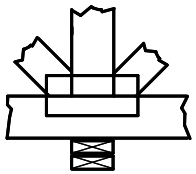
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING

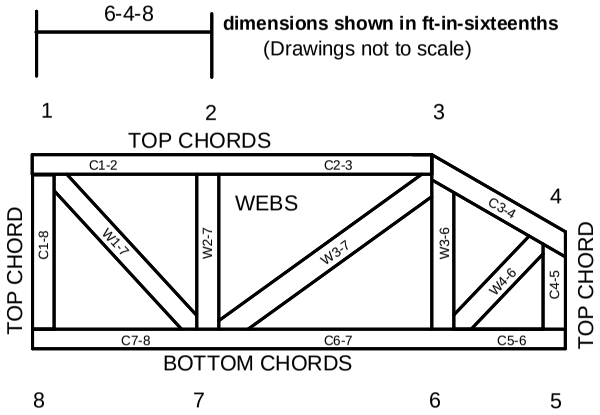


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

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

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

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

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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