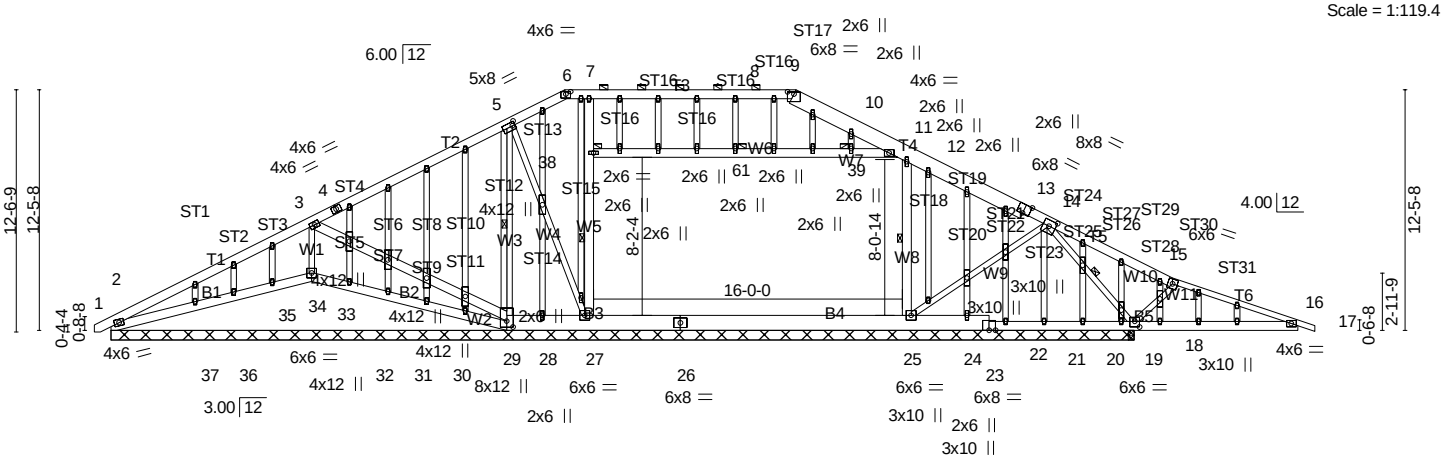
Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 3A Elbridge Farm/Harnett
J0125-0034	A1GE	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Jun 11 08:38:48 2025 Page 1
ID:Sdzs0uuhUIT3B?9OD0R?ZKyk2HC-C2A3VnBdbeNeFkU47NCY5lJbcWcs_N3O0aCk5Bz7QOb

-0-10-8 | 24-4-9 | 36-4-8 | 49-4-0 | 55-10-8 | 62-4-8 | 63-3-0
0-10-8 | 23-6-1 | 11-11-15 | 12-11-8 | 6-6-8 | 6-6-0 | 0-10-8

Scale = 1:119.4



-0-10-8 | 21-4-8 | 53-8-12 | 62-4-8 | 63-3-0
0-10-8 | 20-6-0 | 32-4-4 | 8-7-12 | 0-10-8

Plate Offsets (X,Y)-- [5:0-1-12,0-2-8], [6:0-3-0,0-1-9], [9:0-4-0,0-1-7], [13:0-4-0,Edge], [14:0-4-0,0-3-12], [18:0-3-0,0-3-8], [29:0-3-12,0-4-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.46	Vert(LL)	-0.17	25-27	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.52	Vert(CT)	-0.22	25-27	>881	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.01	18	n/a	n/a		
BCDL	10.0	Code IRC2021/TPI2014		Matrix-S		Wind(LL)	0.01	2-37	>999	240	Weight: 693 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1 *Except* T4: 2x10 SP No.1, T6: 2x4 SP No.1
BOT CHORD 2x6 SP No.1 *Except* B3,B4: 2x10 SP No.1
WEBS 2x4 SP No.2 *Except* W2,W5,W8,W6: 2x6 SP No.1
OTHERS 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 6-9.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 27-38, 12-25, 5-29, 14-18
JOINTS 1 Brace at Jt(s): 38, 39, 61

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 53-0-0.
(lb) - Max Horz 2=246(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 37, 36 except 2=-141(LC 13), 34=-420(LC 12), 29=-152(LC 12), 25=-239(LC 13), 18=-926(LC 9), 28=-979(LC 18), 24=-820(LC 18), 19=-684(LC 29)
Max Grav All reactions 250 lb or less at joint(s) 36, 35, 33, 32, 31, 30, 21, 20 except 2=342(LC 1), 34=1151(LC 1), 29=391(LC 18), 27=1699(LC 18), 25=1521(LC 21), 18=2299(LC 29), 18=2207(LC 1), 37=284(LC 20), 22=430(LC 18), 19=329(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-428/224, 3-4=-779/436, 4-83=-622/462, 5-83=-563/485, 5-6=-648/579, 9-10=-742/634, 10-84=-838/660, 11-84=-869/649, 11-12=-800/597, 12-13=-519/393, 13-14=-693/359, 14-15=-960/1157, 15-16=-941/934, 6-7=-589/583, 7-89=-633/609, 89-90=-633/609, 8-90=-633/609, 8-9=-633/609
BOT CHORD 2-37=-89/342, 36-37=-57/299, 35-36=-71/321, 34-35=-67/314, 33-34=-68/315, 32-33=-68/317, 31-32=-68/317, 30-31=-68/318, 29-30=-69/316, 29-85=-78/558, 28-85=-77/562, 28-86=-75/572, 27-86=-75/572, 26-27=-45/574, 25-26=-45/574, 24-25=-73/304, 23-24=-104/301, 22-23=-73/304, 21-22=-73/304, 21-87=-73/304, 20-87=-73/304, 19-20=-73/304, 18-19=-73/304, 18-88=-830/928, 16-88=-830/928
WEBS 3-29=-60/356, 27-38=-315/186, 7-38=-274/160, 14-25=-323/524, 3-34=-992/515, 12-25=-697/546, 5-29=-318/231, 14-18=-1758/1151, 15-18=-251/218

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=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-8-10 to 3-8-3, Exterior(2N) 3-8-3 to 23-6-11, Corner(3R) 23-6-11 to 27-11-8, Exterior(2N) 27-11-8 to 35-4-10, Corner(3R) 35-4-10 to 39-9-7, Exterior(2N) 39-9-7 to 62-4-8 zone; cantilever 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.

Continued on page 2

NOTES-

4) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
5) Provide adequate drainage to prevent water ponding.
6) All plates are 2x4 MT20 unless otherwise indicated.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 37, 36 except (jt=lb) 2=141, 34=420, 29=152, 25=239, 18=926, 28=979, 24=820, 19=684.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 3A Elbridge Farm/Harnett
J0125-0034	A2	ROOF TRUSS	5	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick — Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Jun 11 08:38:50 2025 Page 1

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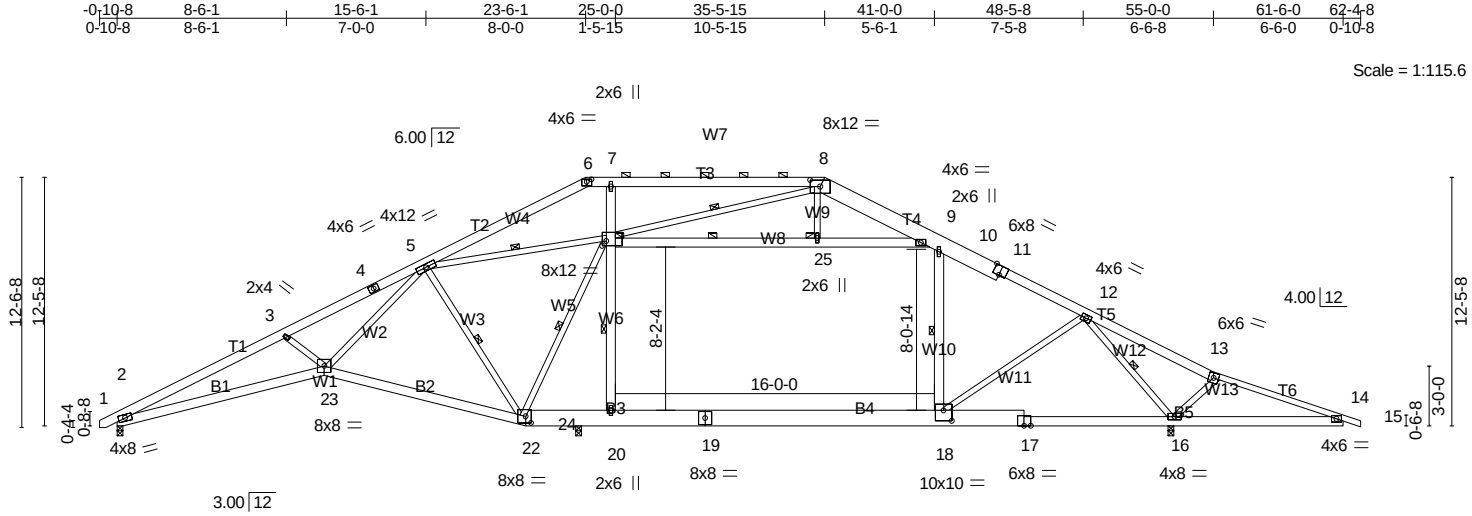

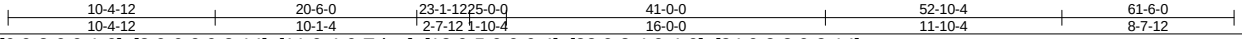

Plate Offsets (X,Y)-- [6:0-3-0,0-1-9], [8:0-6-0,0-3-14], [11:0-4-0,Edge], [18:0-5-0,0-6-4], [22:0-3-4,0-4-0], [24:0-2-8,0-2-14]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.77	Vert(LL)	-0.35	18-20	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.75	Vert(CT)	-0.60	18-20	>599	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.97	Horz(CT)	0.19	16	n/a	n/a		
BCDL	10.0	Code IRC2021/TPI2014		Matrix-S		Wind(LL)	0.08	2-23	>999	240	Weight: 539 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1 *Except* T4: 2x10 SP No.1, T6: 2x4 SP No.1

BOT CHORD 2x6 SP No.1 *Except* B3,B4: 2x10 SP 2400F 2.0E, B5: 2x6 SP 2400F 2.0E

WEBS 2x4 SP No.2 *Except* W6,W10,W8: 2x6 SP No.1

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-5-7 oc purlins, except 2-0-0 oc purlins (10-0-0 max.): 6-8.

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

WEBS 1 Row at midpt 5-22, 22-24, 20-24, 10-18, 24-25, 12-16, 5-24, 8-24

JOINTS 1 Brace at Jt(s): 24, 25

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=1162/0-3-8 (min. 0-1-8), 16=2456/0-3-8 (min. 0-2-8), 21=2232/0-3-8 (min. 0-2-4)
Max Horz 2=-160(LC 10)
Max Grav 2=1345(LC 2), 16=3031(LC 29), 21=2721(LC 28)

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

TOP CHORD 2-26=-3853/60, 3-26=-3783/87, 3-4=-3625/0, 4-5=-3482/5, 5-27=-83/1183, 6-27=-59/1263, 8-28=-725/221, 9-28=-755/193, 9-10=-1938/0, 10-11=-2223/0, 11-12=-2372/0, 12-13=-1227/1161, 13-29=-1206/939, 14-29=-1220/886, 6-7=0/1082, 7-34=0/1081, 34-35=0/1081, 8-35=0/1081

BOT CHORD 2-23=0/3545, 22-23=0/1678, 22-30=0/2062, 21-30=0/2064, 20-21=0/2021, 19-20=0/2040, 18-19=0/2040, 17-18=0/1305, 17-31=0/1295, 31-32=0/1295, 16-32=0/1295, 16-33=-836/1200, 14-33=-836/1200

WEBS 5-22=-594/356, 22-24=-1579/0, 20-24=-713/654, 7-24=-1149/422, 12-18=-105/1077, 10-18=-67/704, 24-25=-1577/0, 9-25=-1600/0, 8-25=0/271, 12-16=-3209/825, 5-23=-16/2419, 3-23=-344/334, 5-24=-2450/41, 8-24=-1660/166

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=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 23-6-11, Exterior(2R) 23-6-11 to 27-11-8, Interior(1) 27-11-8 to 35-4-9, Exterior(2R) 35-4-9 to 39-9-6, Interior(1) 39-9-6 to 62-4-8 zone; cantilever right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Ceiling dead load (10.0 psf) on member(s). 9-10, 24-25, 9-25; Wall dead load (5.0psf) on member(s).20-24, 10-18

Continued on page 2

NOTES-

8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 18-20
9) 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.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 3A Elbridge Farm/Harnett
J0125-0034	A2A	ROOF TRUSS	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick — Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Jun 11 08:38:50 2025 Page 1

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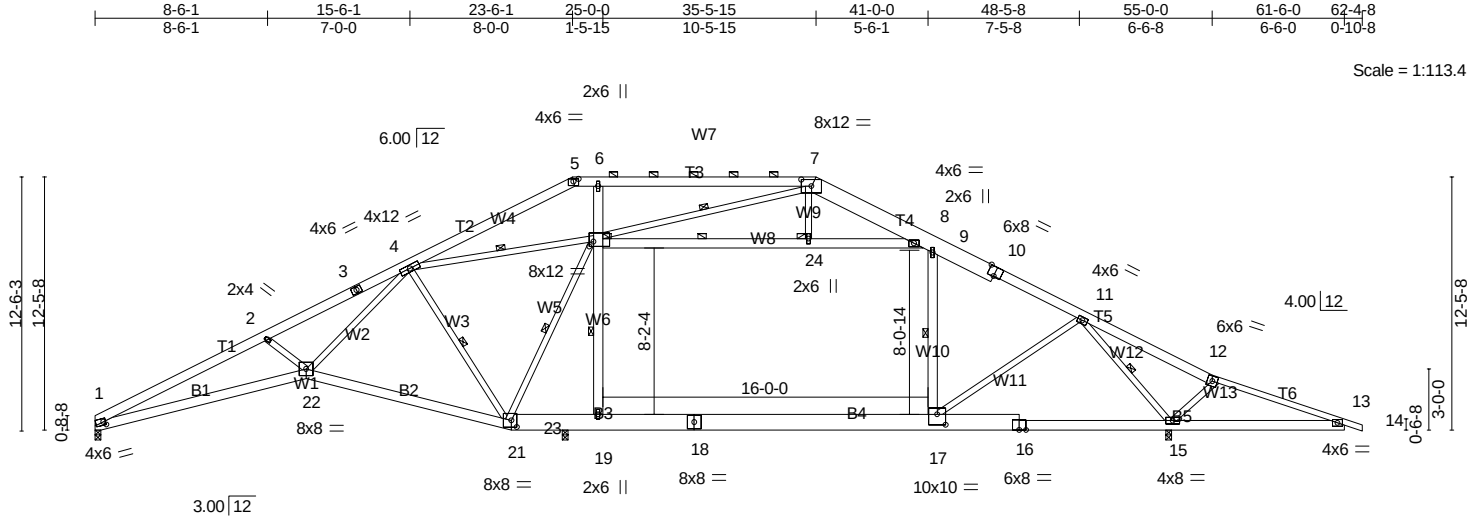

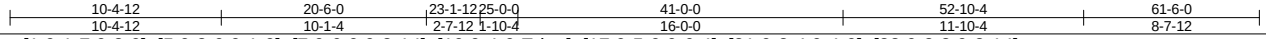

Plate Offsets (X,Y)-- [1:0-1-7,0-2-0], [5:0-3-0,0-1-9], [7:0-6-0,0-3-14], [10:0-4-0,Edge], [17:0-5-0,0-6-4], [21:0-3-4,0-4-0], [23:0-2-8,0-2-14]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.77	Vert(LL)	-0.35	17-19	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.76	Vert(CT)	-0.60	17-19	>599	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.19	15	n/a	n/a		
BCDL	10.0	Code IRC2021/TPI2014		Matrix-S		Wind(LL)	0.08	22	>999	240	Weight: 537 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1 *Except* T4: 2x10 SP No.1, T6: 2x4 SP No.1

BOT CHORD 2x6 SP No.1 *Except* B3,B4: 2x10 SP 2400F 2.0E, B5: 2x6 SP 2400F 2.0E

WEBS 2x4 SP No.2 *Except* W6,W10,W8: 2x6 SP No.1

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-4-7 oc purlins, except 2-0-0 oc purlins (10-0-0 max.): 5-7.

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

WEBS 1 Row at midpt 4-21, 21-23, 19-23, 9-17, 23-24, 11-15, 4-23, 7-23

JOINTS 1 Brace at Jt(s): 23, 24

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 1=1109/0-3-8 (min. 0-1-8), 15=2456/0-3-8 (min. 0-2-8), 20=2234/0-3-8 (min. 0-2-4)
Max Horz 1=-161(LC 10)
Max Grav 1=1302(LC 21), 15=3031(LC 29), 20=2723(LC 28)

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

TOP CHORD 1-25=-3855/73, 2-25=-3770/99, 2-3=-3627/0, 3-4=-3485/14, 4-26=-86/1184, 5-26=-63/1264, 7-27=-724/220, 8-27=-755/192, 8-9=-1938/0, 9-10=-2222/0, 10-11=-2371/0, 11-12=-1227/1161, 12-28=-1206/939, 13-28=-1220/886, 5-6=0/1083, 6-33=0/1083, 33-34=0/1083, 7-34=0/1083

BOT CHORD 1-22=0/3550, 21-22=0/1678, 21-29=0/2062, 20-29=0/2063, 19-20=0/2021, 18-19=0/2039, 17-18=0/2039, 16-17=0/1305, 16-30=0/1295, 30-31=0/1295, 15-31=0/1295, 15-32=-836/1200, 13-32=-836/1200

WEBS 4-21=-595/355, 21-23=-1579/0, 19-23=-714/655, 6-23=-1150/424, 11-17=-105/1077, 9-17=-67/704, 23-24=-1577/0, 8-24=-1600/0, 7-24=0/271, 11-15=-3209/824, 4-22=-27/2423, 2-22=-349/345, 4-23=-2450/42, 7-23=-1661/168

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=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-1-12 to 4-6-9, Interior(1) 4-6-9 to 23-6-11, Exterior(2R) 23-6-11 to 27-11-8, Interior(1) 27-11-8 to 35-4-9, Exterior(2R) 35-4-9 to 39-9-6, Interior(1) 39-9-6 to 62-4-8 zone; cantilever right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Ceiling dead load (10.0 psf) on member(s). 8-9, 23-24, 8-24; Wall dead load (5.0psf) on member(s).19-23, 9-17

Continued on page 2

NOTES-

8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 17-19
9) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 3A Elbridge Farm/Harnett
J0125-0034	A3	ROOF TRUSS	3	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick — Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Jun 11 08:38:51 2025 Page 1

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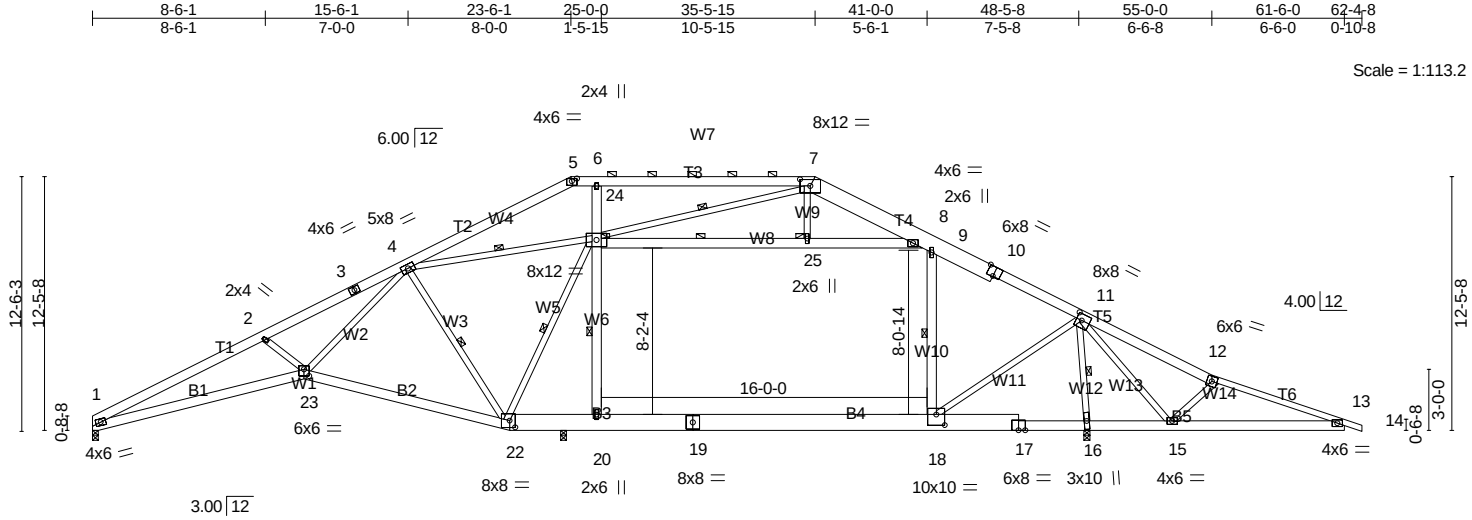

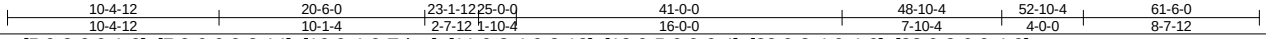

Plate Offsets (X,Y)-- [5:0-3-0,0-1-9], [7:0-6-0,0-3-14], [10:0-4-0,Edge], [11:0-3-4,0-3-12], [18:0-5-0,0-6-4], [22:0-3-4,0-4-0], [23:0-3-0,0-4-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.61	Vert(LL)	-0.31	18-20	>994	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.64	Vert(CT)	-0.50	18-20	>612	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.91	Horz(CT)	0.12	16	n/a	n/a		
BCDL	10.0	Code IRC2021/TPI2014		Matrix-S		Wind(LL)	0.06	23	>999	240	Weight: 545 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1 *Except* T4: 2x10 SP No.1, T6: 2x4 SP No.1

BOT CHORD 2x6 SP No.1 *Except* B3,B4: 2x10 SP 2400F 2.0E, B5: 2x6 SP 2400F 2.0E

WEBS 2x4 SP No.2 *Except* W6,W10,W8: 2x6 SP No.1

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-3-10 oc purlins, except 2-0-0 oc purlins (10-0-0 max.): 5-7.

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

WEBS 1 Row at midpt 4-22, 22-24, 20-24, 9-18, 24-25, 4-24, 7-24, 11-16

JOINTS 1 Brace at Jt(s): 24, 25

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 1=822/0-3-8 (min. 0-1-8), 16=2598/0-3-8 (min. 0-2-9), 21=2379/0-3-8 (min. 0-2-6)
Max Horz 1=-161(LC 10)
Max Grav 1=993(LC 21), 16=3111(LC 29), 21=2882(LC 2)

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

TOP CHORD 1-26=-2671/0, 2-26=-2586/22, 2-3=-2421/0, 3-4=-2279/0, 4-27=0/633, 5-27=0/742, 7-28=-729/214, 8-28=-852/186, 8-9=-1040/0, 9-10=-1045/0, 10-11=-1168/0, 11-12=-1193/1210, 12-29=-1173/1004, 13-29=-1187/951, 5-6=0/590, 6-32=0/574, 32-33=0/574, 7-33=0/574

BOT CHORD 1-23=-91/2449, 22-23=0/938, 22-30=0/1120, 21-30=0/1121, 20-21=0/1121, 19-20=0/1135, 18-19=0/1135, 17-18=-1262/1700, 16-17=-1272/1697, 15-16=-1343/1727, 15-31=-898/1170, 13-31=-898/1170

WEBS 4-22=-797/405, 22-24=-1059/0, 20-24=-897/815, 6-24=-948/391, 11-18=-683/2479, 9-18=-679/672, 24-25=-806/338, 8-25=-820/321, 11-15=-795/555, 4-23=-23/1874, 2-23=-387/373, 4-24=-1102/0, 7-24=-1255/85, 11-16=-3112/1327

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=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-1-12 to 4-6-9, Interior(1) 4-6-9 to 23-6-11, Exterior(2R) 23-6-11 to 27-11-8, Interior(1) 27-11-8 to 35-4-9, Exterior(2R) 35-4-9 to 39-9-6, Interior(1) 39-9-6 to 62-4-8 zone; cantilever right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Ceiling dead load (10.0 psf) on member(s). 8-9, 24-25, 8-25; Wall dead load (5.0psf) on member(s).20-24, 9-18

Continued on page 2

NOTES-

8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 18-20
9) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 3A Elbridge Farm/Harnett
J0125-0034	A4	ROOF TRUSS	3	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Jun 11 08:38:52 2025 Page 1
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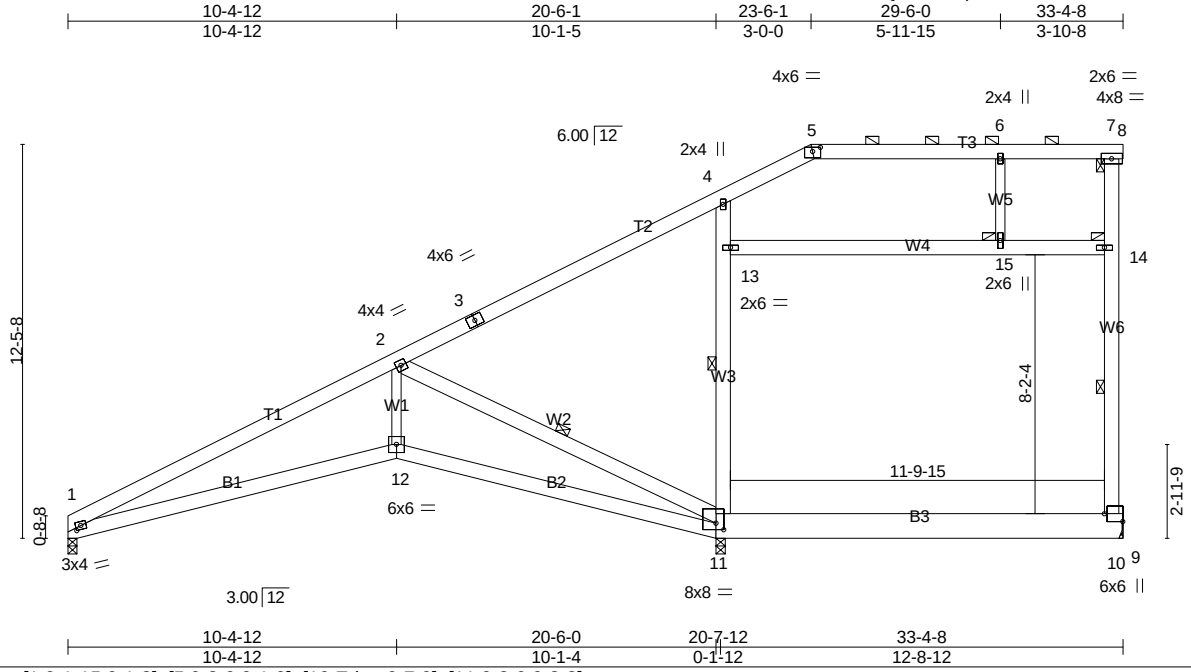

Plate Offsets (X,Y)-- [1:0-1-15,0-1-8], [5:0-3-0,0-1-9], [10:Edge,0-7-0], [11:0-3-0,0-2-8]

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	0.51	Vert(LL)	-0.24	10-11	>629	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.94	Vert(CT)	-0.35	10-11	>432	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.57	Horz(CT)	0.10	10	n/a	n/a		
BCDL	10.0	Code IRC2021/TPI2014		Matrix-S		Wind(LL)	0.07	1-12	>999	240	Weight: 296 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1 *Except*
B3: 2x10 SP No.1
WEBS 2x6 SP No.1 *Except*
W1,W5: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-8-7 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-8.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 10-14, 2-11, 11-13
JOINTS 1 Brace at Jt(s): 7, 14, 15

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 10=727/Mechanical, 1=779/0-3-8 (min. 0-1-8), 11=1739/0-3-8 (min. 0-2-4)
Max Horz 1=392(LC 12)
Max Grav 10=1060(LC 29), 1=779(LC 26), 11=1930(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-16=-1826/208, 2-16=-1731/241, 2-3=-465/298, 3-17=-436/332, 4-17=-415/381, 4-5=-330/125, 10-14=-489/90, 7-14=-375/80
BOT CHORD 1-12=-851/1663, 11-12=-850/1655
WEBS 2-12=-290/998, 2-11=-1723/728, 11-13=-921/464, 4-13=-723/498, 13-15=-210/307, 14-15=-210/307

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=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-1-12 to 4-6-9, Interior(1) 4-6-9 to 23-6-11, Exterior(2R) 23-6-11 to 29-6-0, Interior(1) 29-6-0 to 33-4-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (10.0 psf) on member(s). 13-15, 14-15; Wall dead load (5.0psf) on member(s).11-13
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 10-11
8) Refer to girder(s) for truss to truss connections.
9) Bearing at joint(s) 1, 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 3A Elbridge Farm/Harnett
J0125-0034	A4A	ROOF TRUSS	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

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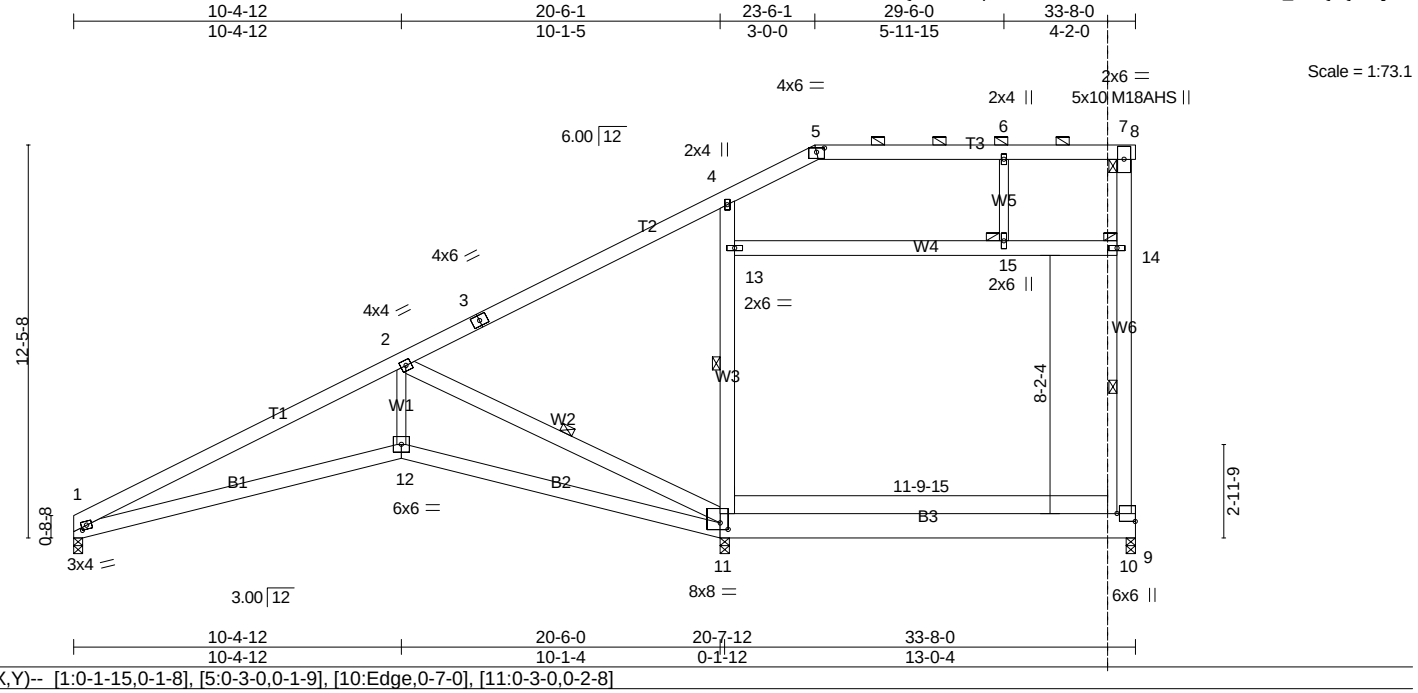

Plate Offsets (X,Y)-- [1:0-1-15,0-1-8], [5:0-3-0,0-1-9], [10:Edge,0-7-0], [11:0-3-0,0-2-8]

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	0.52	Vert(LL)	-0.26	10-11	>589	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.98	Vert(CT)	-0.38	10-11	>404	240	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.57	Horz(CT)	0.10	10	n/a	n/a		
BCDL	10.0	Code IRC2021/TPI2014		Matrix-S		Wind(LL)	0.07	1-12	>999	240	Weight: 299 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1 *Except*
B3: 2x10 SP No.1
WEBS 2x6 SP No.1 *Except*
W1,W5: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-8-2 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-8.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 10-14, 2-11, 11-13
JOINTS 1 Brace at Jt(s): 7, 14, 15

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 10=746/0-3-8 (min. 0-1-8), 1=779/0-3-8 (min. 0-1-8), 11=1754/0-3-8 (min. 0-2-5)
Max Horz 1=392(LC 12)
Max Grav 10=1086(LC 29), 1=779(LC 26), 11=1953(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-16=-1826/207, 2-16=-1731/241, 2-3=-465/297, 3-17=-436/330, 4-17=-415/380, 4-5=-343/127, 10-14=-501/92, 7-14=-384/85
BOT CHORD 1-12=-851/1662, 11-12=-850/1654
WEBS 2-12=-291/997, 2-11=-1719/728, 11-13=-933/466, 4-13=-731/499, 13-15=-213/315, 14-15=-213/315

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=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-1-12 to 4-6-9, Interior(1) 4-6-9 to 23-6-11, Exterior(2R) 23-6-11 to 29-6-0, Interior(1) 29-6-0 to 33-8-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Ceiling dead load (10.0 psf) on member(s). 13-15, 14-15; Wall dead load (5.0psf) on member(s).11-13
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 10-11
9) Bearing at joint(s) 1, 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 3A Elbridge Farm/Harnett
J0125-0034	A5	ROOF TRUSS	4	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

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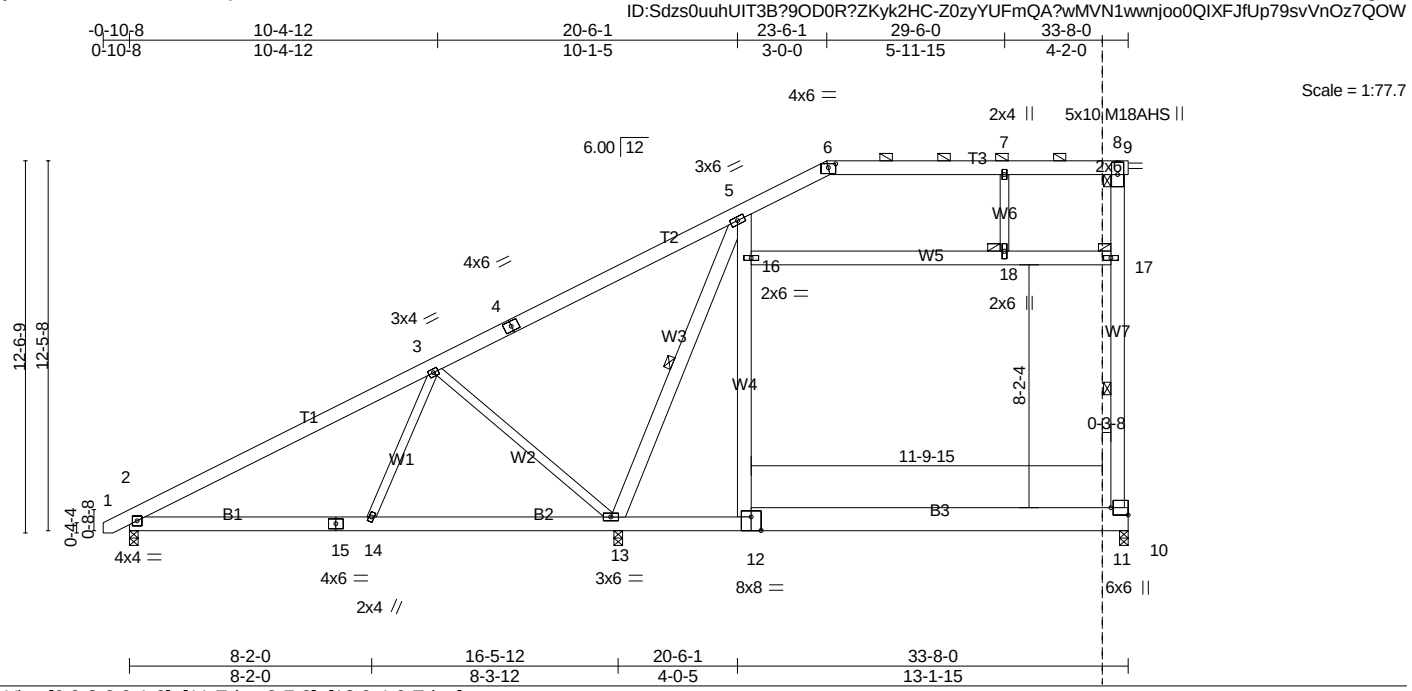

Plate Offsets (X,Y)-- [6:0-3-0,0-1-9], [11:Edge,0-7-0], [12:0-4-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.52	Vert(LL)	-0.20	11-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.82	Vert(CT)	-0.31	11-12	>650	240	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.98	Horz(CT)	-0.00	11	n/a	n/a		
BCDL	10.0	Code IRC2021/TPI2014		Matrix-S		Wind(LL)	0.03	2-14	>999	240	Weight: 314 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP No.1 *Except*
	B3: 2x10 SP No.1
WEBS	2x6 SP No.1 *Except*
	W6,W2,W1: 2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-9.
BOT CHORD	Rigid ceiling directly applied or 5-3-12 oc bracing.
WEBS	1 Row at midpt 11-17, 5-13
JOINTS	1 Brace at Jt(s): 8, 17, 18

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 11=749/0-3-8 (min. 0-1-8), 2=396/0-3-8 (min. 0-1-8), 13=2176/0-3-8 (min. 0-3-5)
Max Horz 2=395(LC 12)
Max Grav 11=1052(LC 29), 2=396(LC 26), 13=2787(LC 28)

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

TOP CHORD	2-19=-531/434, 3-19=-506/495, 3-4=-514/907, 4-20=-485/944, 5-20=-463/1033, 5-6=-349/127, 11-17=-505/91, 8-17=-389/85
BOT CHORD	2-15=-320/219, 14-15=-320/219, 14-21=-357/135, 21-22=-357/135, 13-22=-357/135
WEBS	12-16=0/1136, 5-16=0/1233, 16-18=-214/318, 17-18=-214/318, 5-13=-2249/167, 3-13=-883/306, 3-14=0/484

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=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 23-6-11, Exterior(2R) 23-6-11 to 29-6-0, Interior(1) 29-6-0 to 33-8-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Ceiling dead load (10.0 psf) on member(s). 16-18, 17-18; Wall dead load (5.0psf) on member(s).12-16
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 11-12
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 3A Elbridge Farm/Harnett
J0125-0034	A6	ROOF TRUSS	2	2	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

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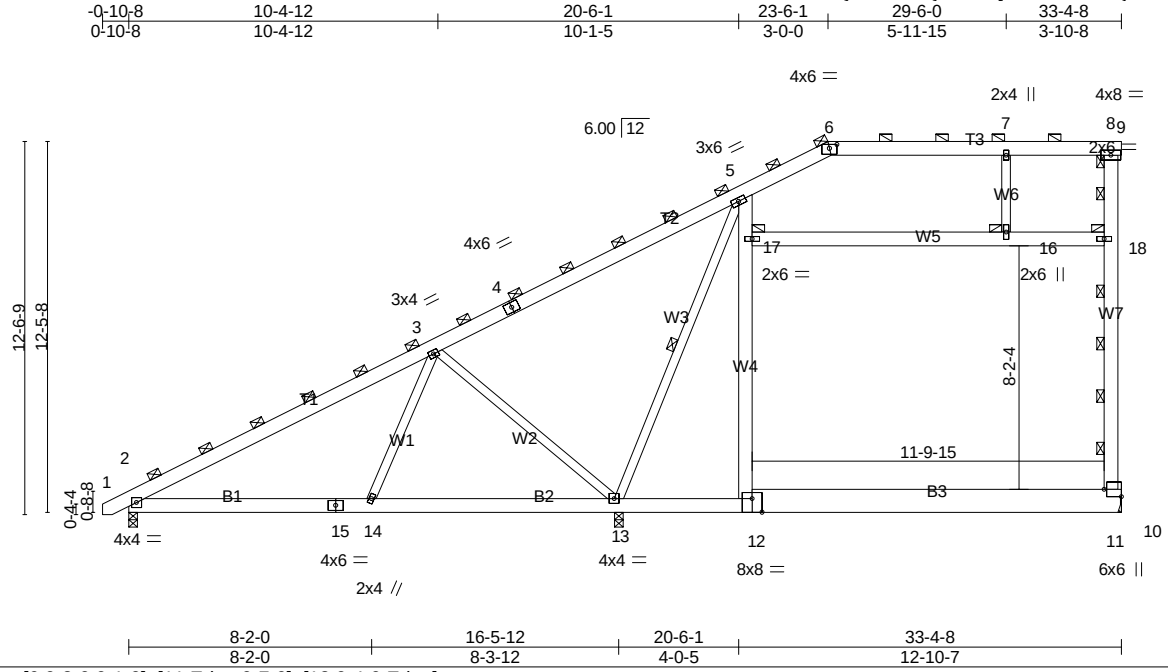

Plate Offsets (X,Y)-- [6:0-3-0,0-1-9], [11:Edge,0-7-0], [12:0-4-0,Edge]

LOADING (psf)		SPACING-	3-6-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.50	Vert(LL)	-0.17	11-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.76	Vert(CT)	-0.26	11-12	>754	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.80	Horz(CT)	-0.00	11	n/a	n/a		
BCDL	10.0	Code IRC2021/TPI2014		Matrix-S		Wind(LL)	0.02	2-14	>999	240	Weight: 604 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1 *Except*
B3: 2x10 SP No.1
WEBS 2x4 SP No.2 *Except*
W7,W4,W5: 2x6 SP No.1

BRACING-
TOP CHORD 2-0-0 oc purlins (6-0-0 max.), except end verticals
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-13
JOINTS 1 Brace at Jt(s): 6, 8, 16, 17, 18

REACTIONS. (lb/size) 11=1293/Mechanical, 2=714/0-3-8 (min. 0-1-8), 13=3744/0-3-8 (min. 0-2-13)
Max Horz 2=691(LC 12)
Max Grav 11=1812(LC 29), 2=714(LC 26), 13=4793(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-19=-931/721, 3-19=-887/828, 3-4=-900/1540, 4-20=-849/1605, 5-20=-811/1731, 5-6=-589/218, 11-18=-865/157, 8-18=-668/140, 6-7=-331/169, 7-8=-331/169
BOT CHORD 2-15=-559/417, 14-15=-559/417, 14-21=-625/275, 21-22=-625/275, 13-22=-625/275, 13-23=-330/410, 23-24=-329/412, 12-24=-329/412, 11-12=-265/342
WEBS 12-17=0/1886, 5-17=0/2053, 5-13=-3764/296, 3-13=-1541/536, 3-14=0/832, 16-17=-369/542, 16-18=-369/542

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x10 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 23-6-11, Exterior(2R) 23-6-11 to 29-6-0, Interior(1) 29-6-0 to 33-4-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Ceiling dead load (10.0 psf) on member(s). 16-17, 16-18; Wall dead load (5.0psf) on member(s).12-17
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 11-12
10) Refer to girder(s) for truss to truss connections.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 3A Elbridge Farm/Harnett
J0125-0034	A7GE	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

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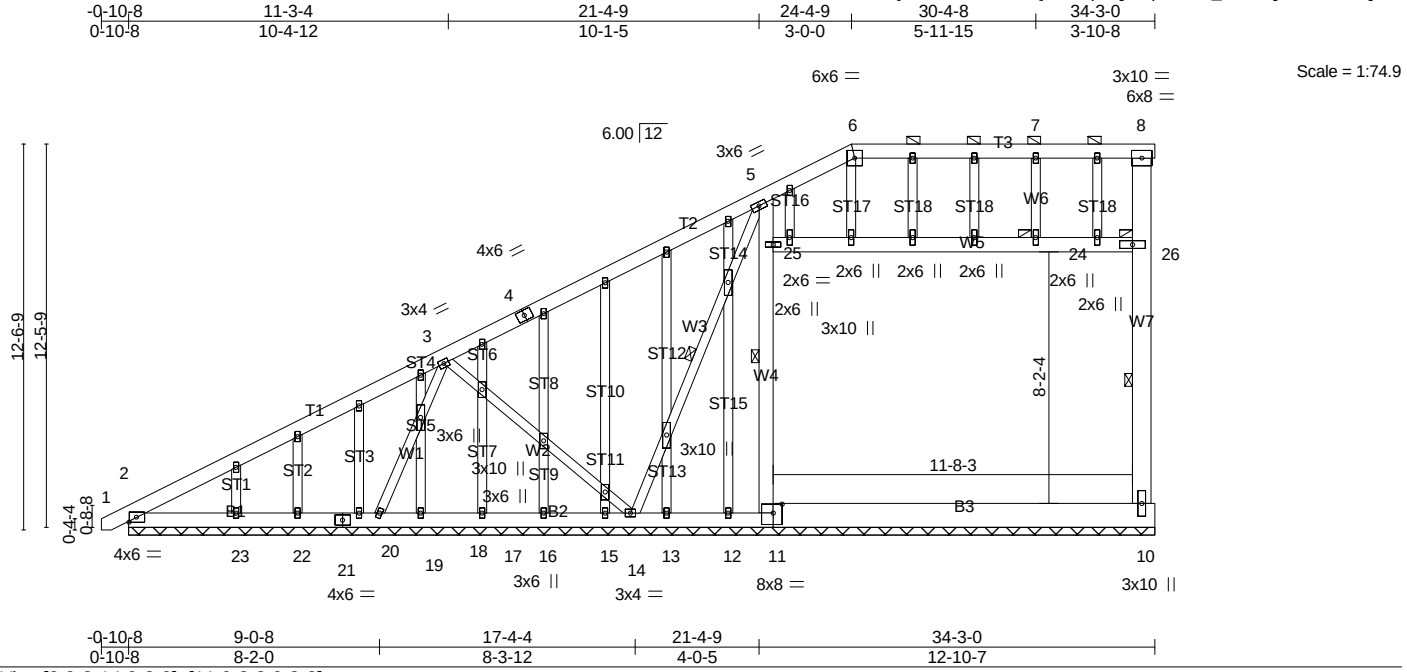

Plate Offsets (X,Y)-- [2:0-2-14,0-2-0], [11:0-3-8,0-3-8]

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	0.59	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.58	Vert(CT)	0.01	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.07	9	n/a	n/a		
BCDL	10.0	Code IRC2021/TPI2014		Matrix-S							Weight: 401 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP No.1 *Except* B3: 2x10 SP No.1
WEBS	2x4 SP No.2 *Except* W7: 2x8 SP No.1, W4,W5: 2x6 SP No.1
OTHERS	2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-9.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 10-26, 11-25, 5-14
JOINTS	1 Brace at Jt(s): 24, 26

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 33-4-8.
(lb) - Max Horz 2=567(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 11, 20, 22 except 10=-128(LC 9), 14=-280(LC 12), 19=-185(LC 12), 9=-441(LC 1), 12=-722(LC 18), 23=-107(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 2, 9, 15, 16, 17, 18, 20, 22 except 10=1145(LC 2), 11=1664(LC 2), 14=389(LC 1), 19=388(LC 1), 13=314(LC 18), 23=283(LC 2)

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

TOP CHORD	2-51=-579/370, 3-51=-553/430, 3-4=-485/343, 4-5=-456/428, 5-6=-327/210, 10-26=-1060/517, 8-26=-985/478
BOT CHORD	2-23=-393/349, 22-23=-393/349, 21-22=-393/349, 20-21=-393/349, 19-20=-393/349, 18-19=-484/444, 18-52=-484/444, 17-52=-484/444, 17-53=-484/444, 16-53=-484/444, 15-16=-484/444, 14-15=-484/444, 13-14=-199/283, 13-54=-199/283, 12-54=-199/283, 12-55=-192/291, 11-55=-191/291
WEBS	11-25=-730/577, 5-25=-546/605, 3-14=-304/394, 3-19=-440/272, 24-25=-193/293, 24-26=-193/293

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=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-8-10 to 3-8-3, Exterior(2N) 3-8-3 to 23-6-11, Corner(3R) 23-6-11 to 27-11-8, Exterior(2N) 27-11-8 to 33-4-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

Continued on page 2

NOTES-

10) Ceiling dead load (10.0 psf) on member(s). 24-25, 24-26; Wall dead load (5.0psf) on member(s).11-25
11) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11, 20, 22 except (jt=lb) 10=128, 14=280, 19=185, 9=441, 12=722, 23=107.
13) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
15) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 3A Elbridge Farm/Harnett
J0125-0034	B1GE	PIGGYBACK ATTIC	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick — Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Jun 11 08:38:56 2025 Page 1

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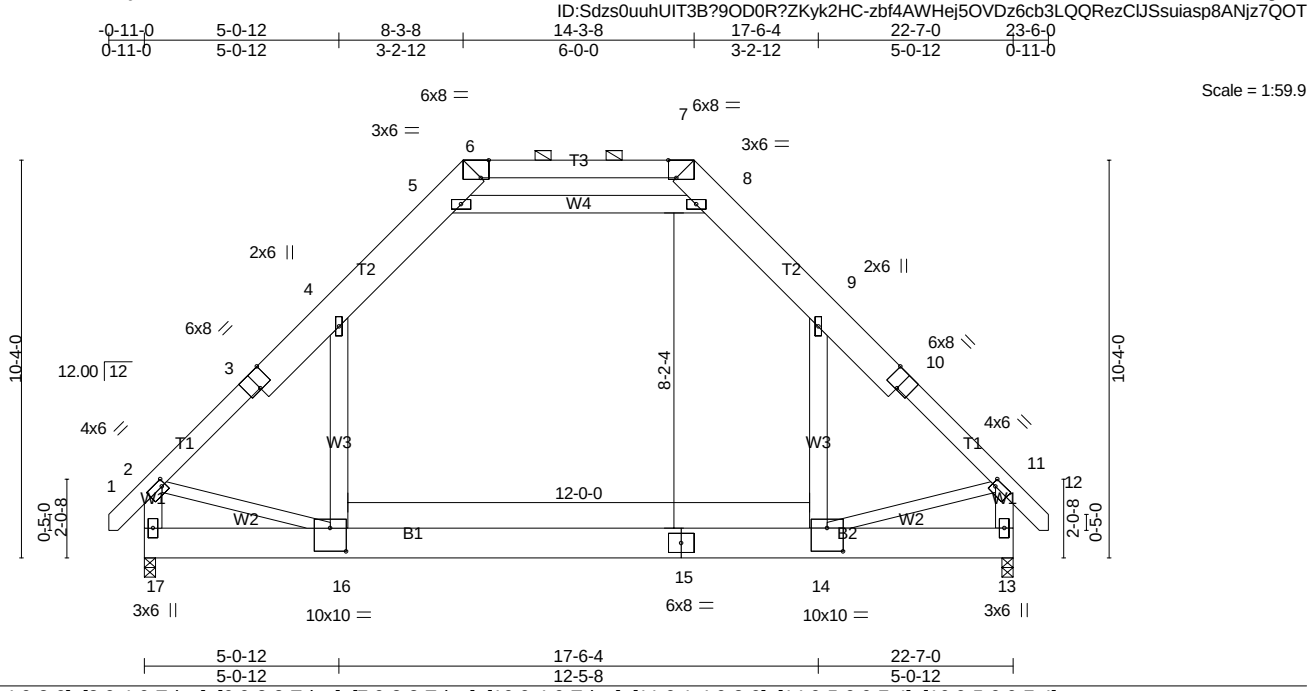

Plate Offsets (X,Y)-- [2:0-1-4,0-2-0], [3:0-4-0,Edge], [6:0-2-8,Edge], [7:0-2-8,Edge], [10:0-4-0,Edge], [11:0-1-4,0-2-0], [14:0-5-0,0-7-4], [16:0-5-0,0-7-4]

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	0.42	Vert(LL)	-0.16	14-16	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.67	Vert(CT)	-0.25	14-16	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.77	Horz(CT)	0.01	13	n/a	n/a		
BCDL	10.0	Code IRC2021/TPI2014		Matrix-S		Wind(LL)	0.05	14-16	>999	240	Weight: 250 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1 *Except* T2: 2x10 SP No.1
BOT CHORD 2x10 SP No.1
WEBS 2x6 SP No.1 *Except* W2: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-5-14 oc purlins, except end verticals, and 2-0-0 oc purlins (10-0-0 max.): 6-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 17=1258/0-3-8 (min. 0-1-13), 13=1258/0-3-8 (min. 0-1-13)
Max Horz 17=-344(LC 10)
Max Grav 17=1511(LC 2), 13=1511(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1653/10, 3-18=-1526/11, 4-18=-1495/28, 4-5=-1026/215, 5-6=-1/634, 7-8=-1/634, 8-9=-1026/215, 9-19=-1495/28, 10-19=-1526/11, 10-11=-1652/10, 2-17=-1638/91, 11-13=-1638/92, 6-7=-33/1011
BOT CHORD 16-17=-334/473, 15-16=0/1079, 14-15=0/1079
WEBS 4-16=0/826, 9-14=0/826, 5-8=-1935/298, 2-16=-33/976, 11-14=-39/981

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=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-9-2 to 3-7-11, Exterior(2N) 3-7-11 to 8-6-12, Corner(3R) 8-6-12 to 12-11-9, Exterior(2N) 12-11-9 to 14-1-4, Corner(3R) 14-1-4 to 18-6-1, Exterior(2N) 18-6-1 to 23-5-2 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (10.0 psf) on member(s). 4-5, 8-9, 5-8; Wall dead load (5.0psf) on member(s).4-16, 9-14
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 14-16
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 3A Elbridge Farm/Harnett
J0125-0034	B2	PIGGYBACK ATTIC	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

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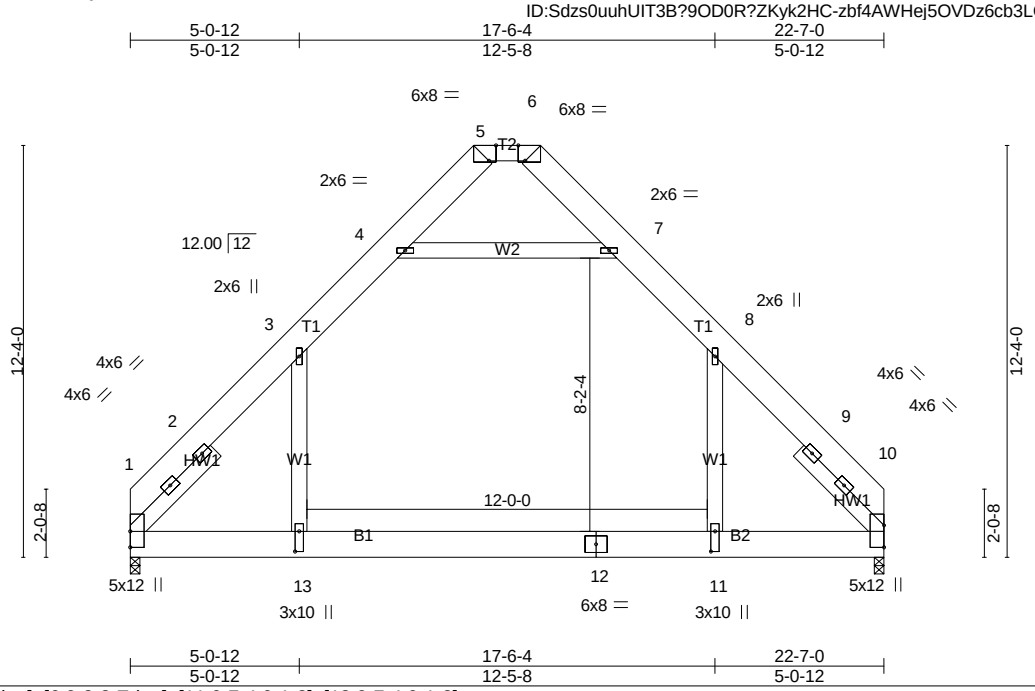

Plate Offsets (X,Y)-- [5:0-2-8,Edge], [6:0-2-8,Edge], [11:0-7-4,0-1-8], [13:0-7-4,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.47	Vert(LL)	-0.15	11-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.65	Vert(CT)	-0.24	11-13	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.01	10	n/a	n/a		
BCDL	10.0	Code IRC2021/TPI2014		Matrix-S		Wind(LL)	0.04	13	>999	240	Weight: 271 lb	FT = 20%

LUMBER-

TOP CHORD 2x10 SP No.1 *Except* T2: 2x6 SP No.1
BOT CHORD 2x10 SP No.1
WEBS 2x6 SP No.1
SLIDER Left 2x6 SP No.1 3-6-3, Right 2x6 SP No.1 3-6-3

BRACING-

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 1=1215/0-3-8 (min. 0-1-12), 10=1215/0-3-8 (min. 0-1-12)
Max Horz 1=-281(LC 8)
Max Grav 1=1489(LC 21), 10=1489(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2029/0, 2-3=-1847/0, 3-14=-1099/101, 4-14=-978/142, 7-15=-977/150, 8-15=-1098/108, 8-9=-1845/0, 9-10=-2027/0, 5-6=0/292
BOT CHORD 1-13=0/1142, 12-13=0/1148, 11-12=0/1148, 10-11=0/1141
WEBS 3-13=0/1113, 8-11=0/1113, 4-7=-1292/156

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=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-0-8 to 4-5-5, Interior(1) 4-5-5 to 10-6-12, Exterior(2E) 10-6-12 to 12-1-4, Exterior(2R) 12-1-4 to 16-6-1, Interior(1) 16-6-1 to 22-7-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (10.0 psf) on member(s). 3-4, 7-8, 4-7; Wall dead load (5.0psf) on member(s).3-13, 8-11
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 11-13
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 3A Elbridge Farm/Harnett
J0125-0034	B3	PIGGYBACK ATTIC	7	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

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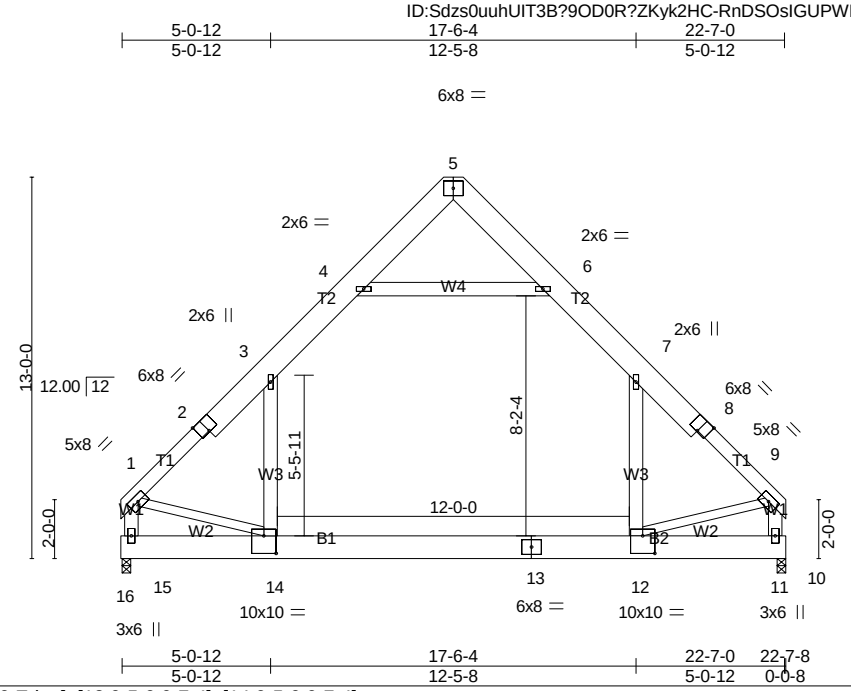

Plate Offsets (X,Y)-- [2:0-4-0,Edge], [8:0-4-0,Edge], [12:0-5-0,0-7-4], [14:0-5-0,0-7-4]

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	0.40	Vert(LL)	-0.16	12-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.66	Vert(CT)	-0.25	12-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.01	11	n/a	n/a		
BCDL	10.0	Code IRC2021/TPI2014		Matrix-S		Wind(LL)	0.04	12-14	>999	240	Weight: 263 lb	FT = 20%

LUMBER-
TOP CHORD 2x10 SP No.1 *Except* T1: 2x6 SP No.1
BOT CHORD 2x10 SP No.1
WEBS 2x6 SP No.1 *Except* W2: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-5-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 15=1197/0-3-8 (min. 0-1-12), 11=1197/0-3-8 (min. 0-1-12)
Max Horz 15=254(LC 9)
Max Grav 15=1493(LC 21), 11=1493(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1714/0, 2-3=-1560/0, 3-17=-1085/99, 4-17=-964/140, 6-18=-964/140, 7-18=-1085/99, 7-8=-1560/0, 8-9=-1713/0, 1-15=-1678/0, 9-11=-1679/0
BOT CHORD 14-15=-281/362, 13-14=0/1103, 12-13=0/1103
WEBS 3-14=0/794, 7-12=0/794, 4-6=-1267/148, 1-14=0/1079, 9-12=0/1083

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=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-4-4 to 4-9-1, Interior(1) 4-9-1 to 11-4-0, Exterior(2R) 11-4-0 to 15-8-13, Interior(1) 15-8-13 to 22-3-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Ceiling dead load (10.0 psf) on member(s). 3-4, 6-7, 4-6; Wall dead load (5.0psf) on member(s).3-14, 7-12
6) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 12-14
7) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 3A Elbridge Farm/Harnett
J0125-0034	B4	PIGGYBACK ATTIC	1	2	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

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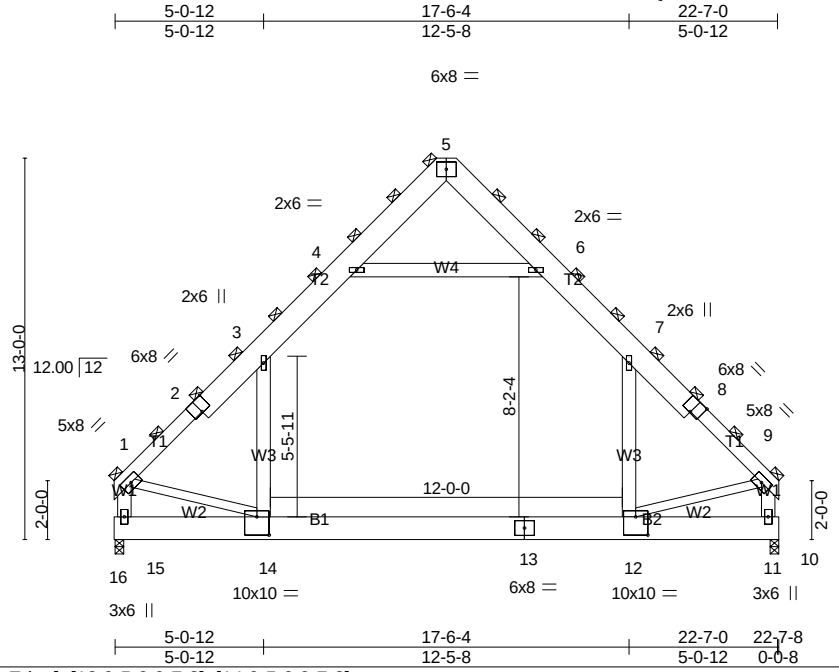

Plate Offsets (X,Y)-- [2:0-4-0,Edge], [8:0-4-0,Edge], [12:0-5-0,0-7-8], [14:0-5-0,0-7-8]

LOADING (psf)		**SPACING-**	4-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.15	TC	0.55	Vert(LL)	-0.16	12-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.74	Vert(CT)	-0.26	12-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.27	Horz(CT)	0.01	11	n/a	n/a		
BCDL	10.0	Code IRC2021/TPI2014		Matrix-S		Wind(LL)	0.05	12-14	>999	240	Weight: 526 lb	FT = 20%

LUMBER-
TOP CHORD 2x10 SP No.1 *Except*
T1: 2x6 SP No.1
BOT CHORD 2x10 SP No.1
WEBS 2x6 SP No.1 *Except*
W2: 2x4 SP No.2

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

REACTIONS. (lb/size) 15=2964/0-3-8 (min. 0-2-4), 11=2964/0-3-8 (min. 0-2-4)
Max Horz 15=-508(LC 10)
Max Grav 15=3991(LC 21), 11=3991(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3945/0, 2-3=-3634/0, 3-17=-2398/285, 4-17=-2156/313, 4-5=-119/558, 5-6=-119/558, 6-18=-2156/313, 7-18=-2397/285, 7-8=-3633/0, 8-9=-3944/0, 1-15=-3827/0, 9-11=-3829/0
BOT CHORD 14-15=-562/819, 13-14=0/2528, 12-13=0/2528, 11-12=-100/445
WEBS 3-14=0/1940, 7-12=0/1940, 4-6=-3015/365, 1-14=0/2339, 9-12=0/2346

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x10 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 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=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-4-4 to 4-9-1, Interior(1) 4-9-1 to 11-4-0, Exterior(2R) 11-4-0 to 15-8-13, Interior(1) 15-8-13 to 22-3-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Ceiling dead load (10.0 psf) on member(s). 3-4, 6-7, 4-6; Wall dead load (5.0psf) on member(s).3-14, 7-12
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 12-14
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Attic room checked for L/360 deflection.

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

Continued on page 2

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 15-16=-40, 14-15=-160(F=-120), 12-14=-80, 11-12=-160(F=-120), 10-11=-40, 1-3=-120, 3-4=-160, 4-5=-120, 5-6=-120, 6-7=-160, 7-9=-120, 4-6=-40

Drag: 3-14=-20, 7-12=-20

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 3A Elbridge Farm/Harnett
J0125-0034	G1	QUEENPOST	6	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Jun 11 08:38:58 2025 Page 1
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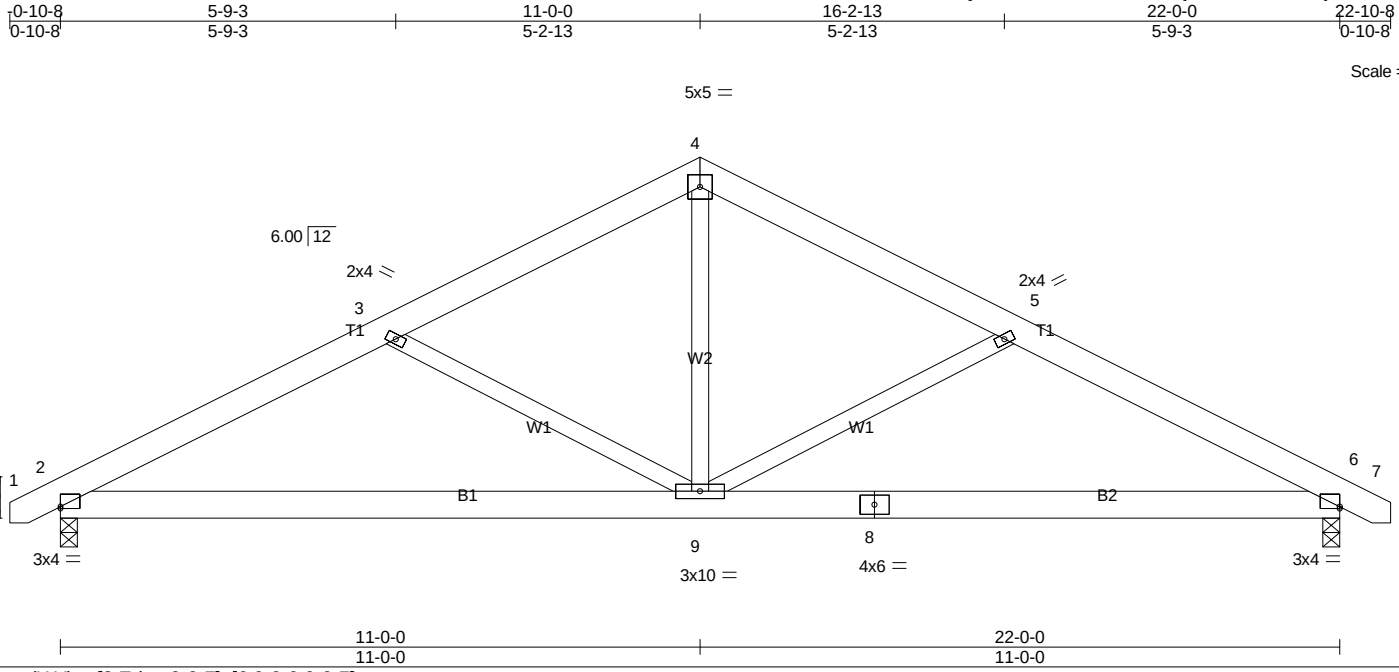

Plate Offsets (X,Y)-- [2:Edge,0-0-7], [6:0-0-0,0-0-7]

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	0.13	Vert(LL)	-0.07	6-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.41	Vert(CT)	-0.15	6-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code IRC2021/TPI2014		Matrix-S		Wind(LL)	0.02	9	>999	240	Weight: 139 lb	FT = 20%

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

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 6=920/0-3-8 (min. 0-1-8), 2=920/0-3-8 (min. 0-1-8)
Max Horz 2=-76(LC 10)
Max Uplift6=-64(LC 13), 2=-64(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-10=-1389/422, 3-10=-1302/439, 3-11=-1062/305, 4-11=-982/331, 4-12=-982/331, 5-12=-1062/305, 5-13=-1302/439, 6-13=-1389/422
BOT CHORD 2-9=-312/1174, 8-9=-306/1174, 6-8=-306/1174
WEBS 3-9=-359/268, 4-9=-99/616, 5-9=-359/268

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=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 11-0-0, Exterior(2R) 11-0-0 to 15-4-13, Interior(1) 15-4-13 to 22-8-10 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 2.
6) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 3A Elbridge Farm/Harnett
J0125-0034	G1GE	HIP SUPPORTED GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

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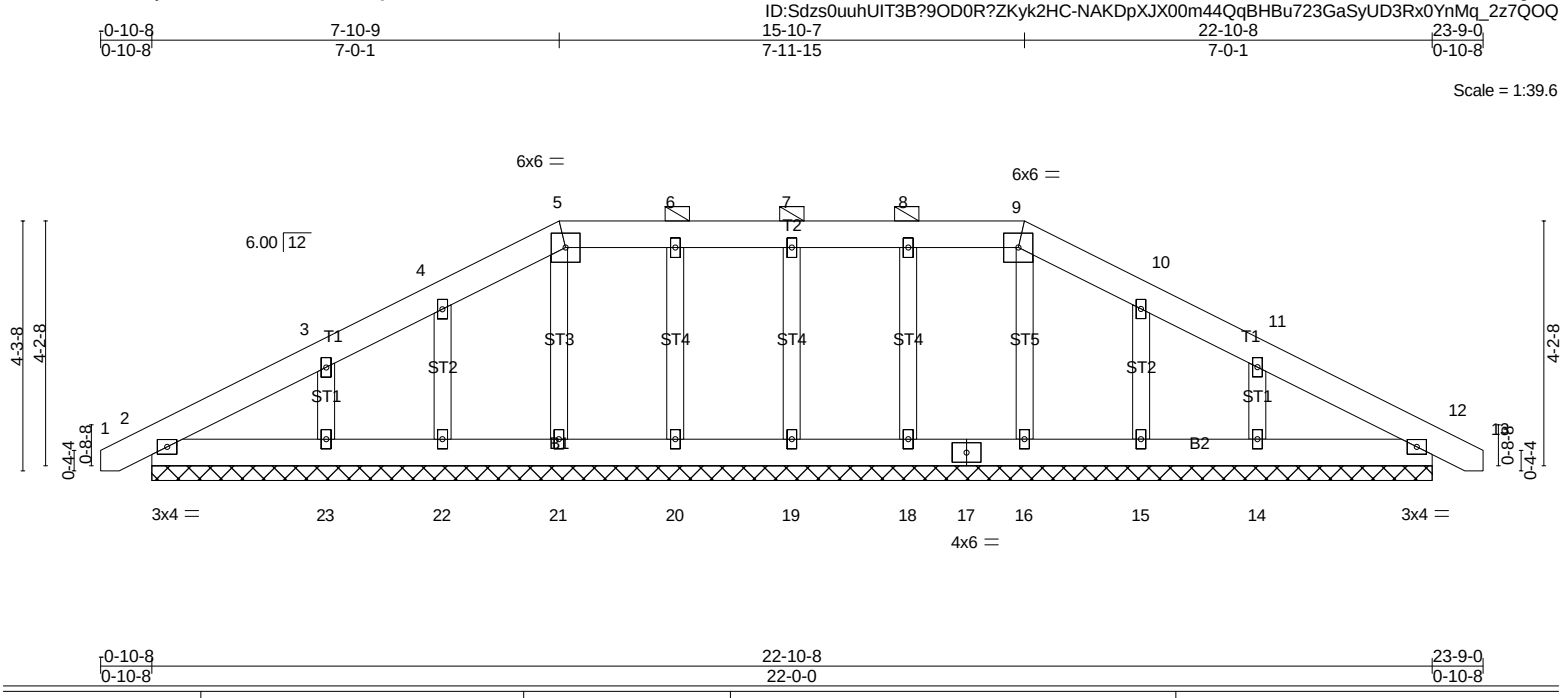

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.03	Vert(LL)	0.00	12	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	0.00	12	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code IRC2021/TPI2014		Matrix-S							Weight: 147 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS. All bearings 22-0-0.

(lb) - Max Horz 2=-79(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) 2, 18, 19, 20, 21, 22, 15, 12 except 23=-109(LC 12), 14=-108(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 16, 18, 19, 20, 21, 22, 23, 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=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-8-10 to 3-8-3, Exterior(2N) 3-8-3 to 7-0-11, Corner(3R) 7-0-11 to 11-5-8, Exterior(2N) 11-5-8 to 14-11-5, Corner(3R) 14-11-5 to 19-4-2, Exterior(2N) 19-4-2 to 22-8-10 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 18, 19, 20, 21, 22, 15, 12 except (jt=lb) 23=109, 14=108.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 3A Elbridge Farm/Harnett
J0125-0034	P1	SCISSORS	7	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

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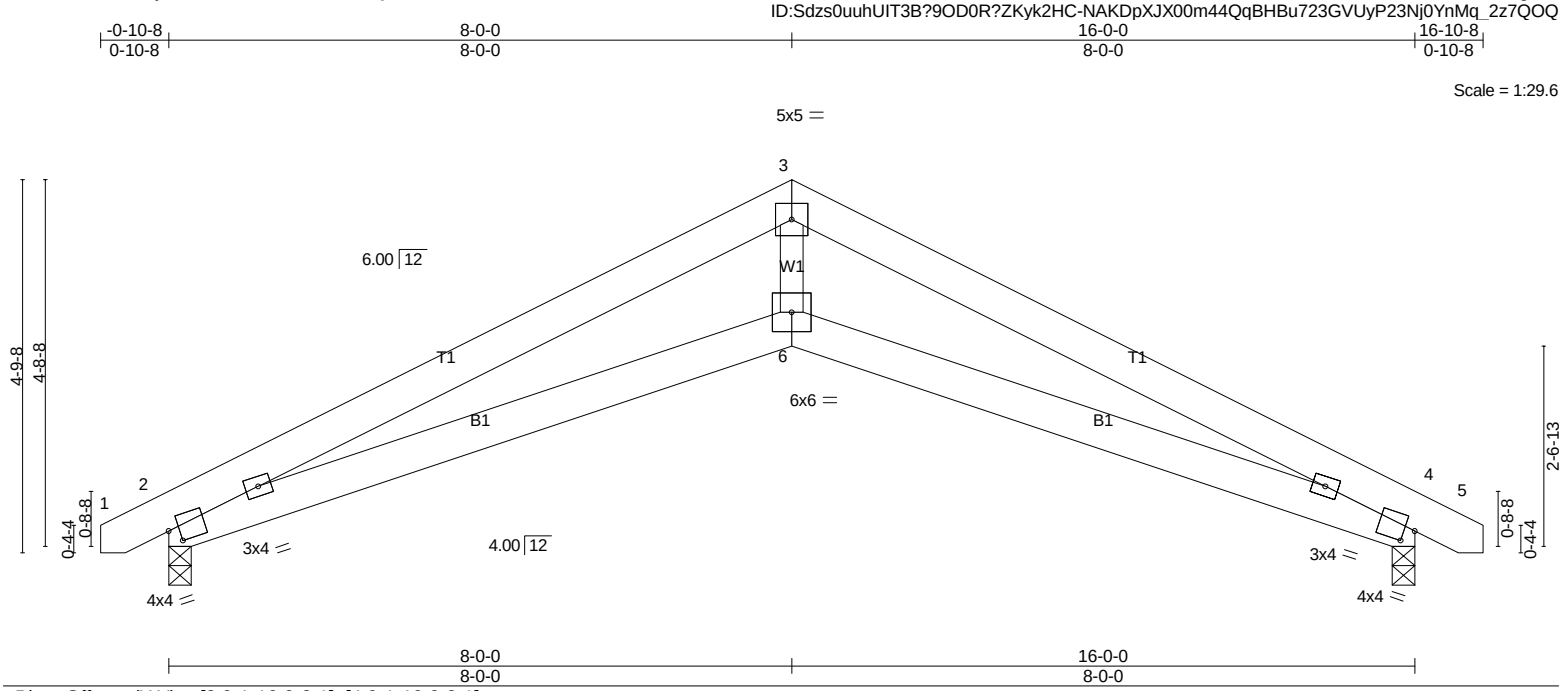

Plate Offsets (X,Y)-- [2:0-1-10,0-2-1], [4:0-1-10,0-2-1]

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)	-0.08	6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.35	Vert(CT)	-0.16	4-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.13	4	n/a	n/a		
BCDL	10.0	Code IRC2021/TPI2014		Matrix-S		Wind(LL)	0.16	2-6	>999	240	Weight: 89 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-0-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-3-6 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=680/0-3-8 (min. 0-1-8), 4=680/0-3-8 (min. 0-1-8)
Max Horz 2=-57(LC 10)
Max Uplift2=-142(LC 9), 4=-142(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-7=-1943/1595, 3-7=-1834/1620, 3-8=-1828/1637, 4-8=-1937/1612
BOT CHORD 2-9=-1360/1700, 6-9=-1348/1724, 6-10=-1321/1718, 4-10=-1331/1694
WEBS 3-6=-1170/1258

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=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 8-0-0, Exterior(2R) 8-0-0 to 12-4-13, Interior(1) 12-4-13 to 16-8-10 zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Bearing at joint(s) 2, 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=142, 4=142.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 3A Elbridge Farm/Harnett
J0125-0034	P1GE	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

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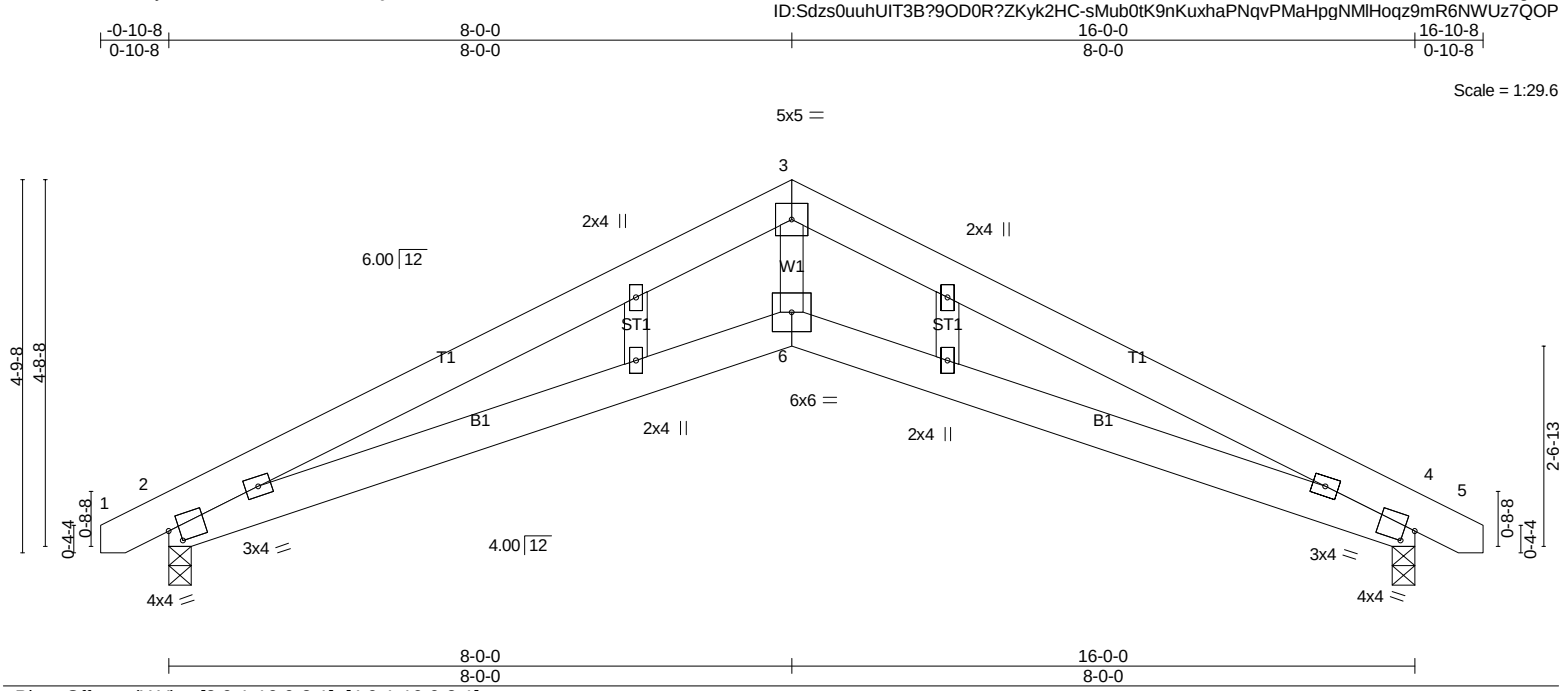

Plate Offsets (X,Y)-- [2:0-1-10,0-2-1], [4:0-1-10,0-2-1]

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	0.34	Vert(LL)	-0.08	6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.35	Vert(CT)	-0.16	4-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.13	4	n/a	n/a		
BCDL	10.0	Code IRC2021/TPI2014		Matrix-S		Wind(LL)	0.07	2-6	>999	240	Weight: 92 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-0-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=680/0-3-8 (min. 0-1-8), 4=680/0-3-8 (min. 0-1-8)
Max Horz 2=-88(LC 13)
Max Uplift2=-153(LC 12), 4=-153(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-11=-1943/536, 3-11=-1834/560, 3-12=-1828/581, 4-12=-1937/556
BOT CHORD 2-6=-413/1724, 4-6=-411/1718
WEBS 3-6=-184/1258

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=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 8-0-0, Exterior(2R) 8-0-0 to 12-4-13, Interior(1) 12-4-13 to 16-8-10 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Gable studs spaced at 2-0-0 oc.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Bearing at joint(s) 2, 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=153, 4=153.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 3A Elbridge Farm/Harnett
J0125-0034	PB1	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

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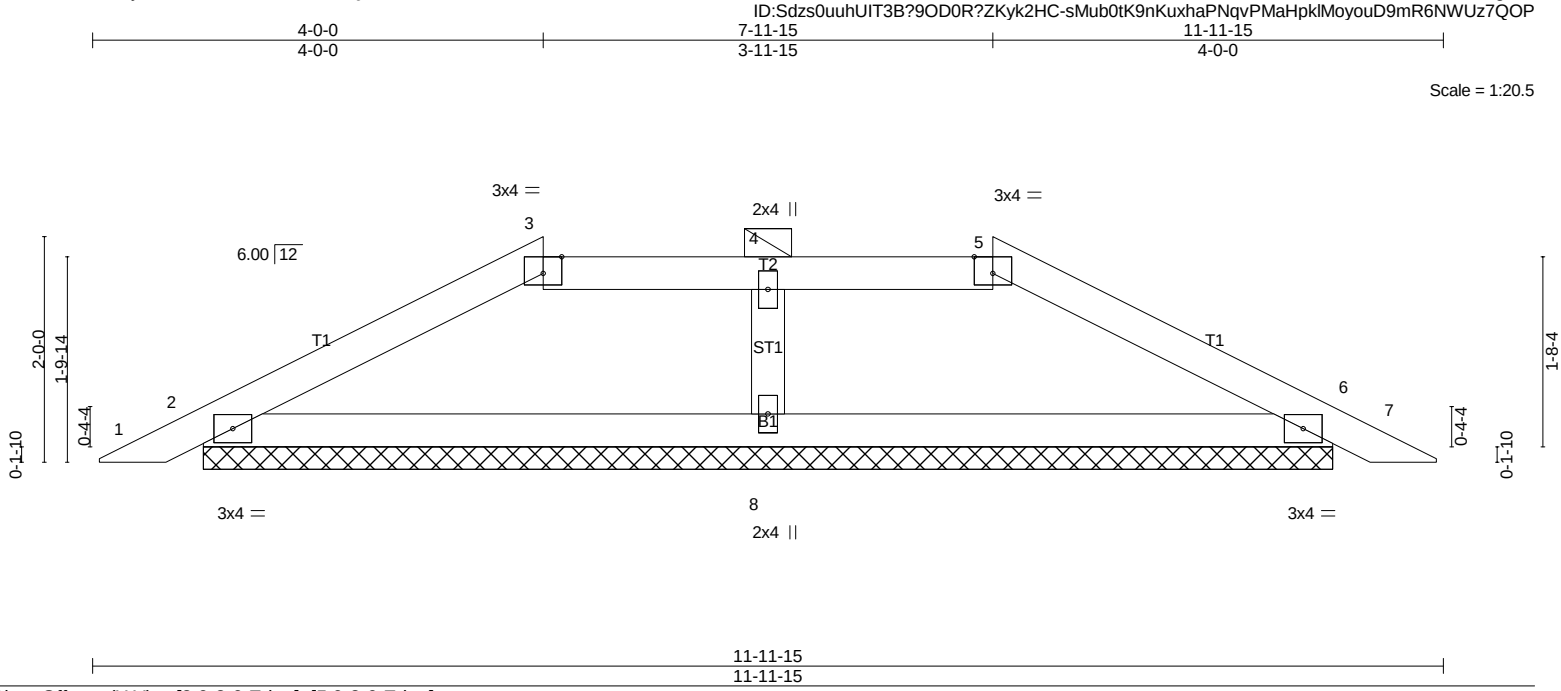

Plate Offsets (X,Y)-- [3:0-2-0,Edge], [5:0-2-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	0.01	7	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	0.01	7	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code IRC2021/TPI2014		Matrix-S							Weight: 36 lb	FT = 20%

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

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=287/10-0-5 (min. 0-1-8), 6=287/10-0-5 (min. 0-1-8), 8=303/10-0-5 (min. 0-1-8)
Max Horz 2=-23(LC 10)
Max Uplift2=-42(LC 12), 6=-43(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-318/336, 3-4=-253/351, 4-5=-253/351, 5-6=-318/336
BOT CHORD 2-8=-207/250, 6-8=-207/250

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=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Corner(3E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 4-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 3A Elbridge Farm/Harnett
J0125-0034	PB2	Piggyback	8	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

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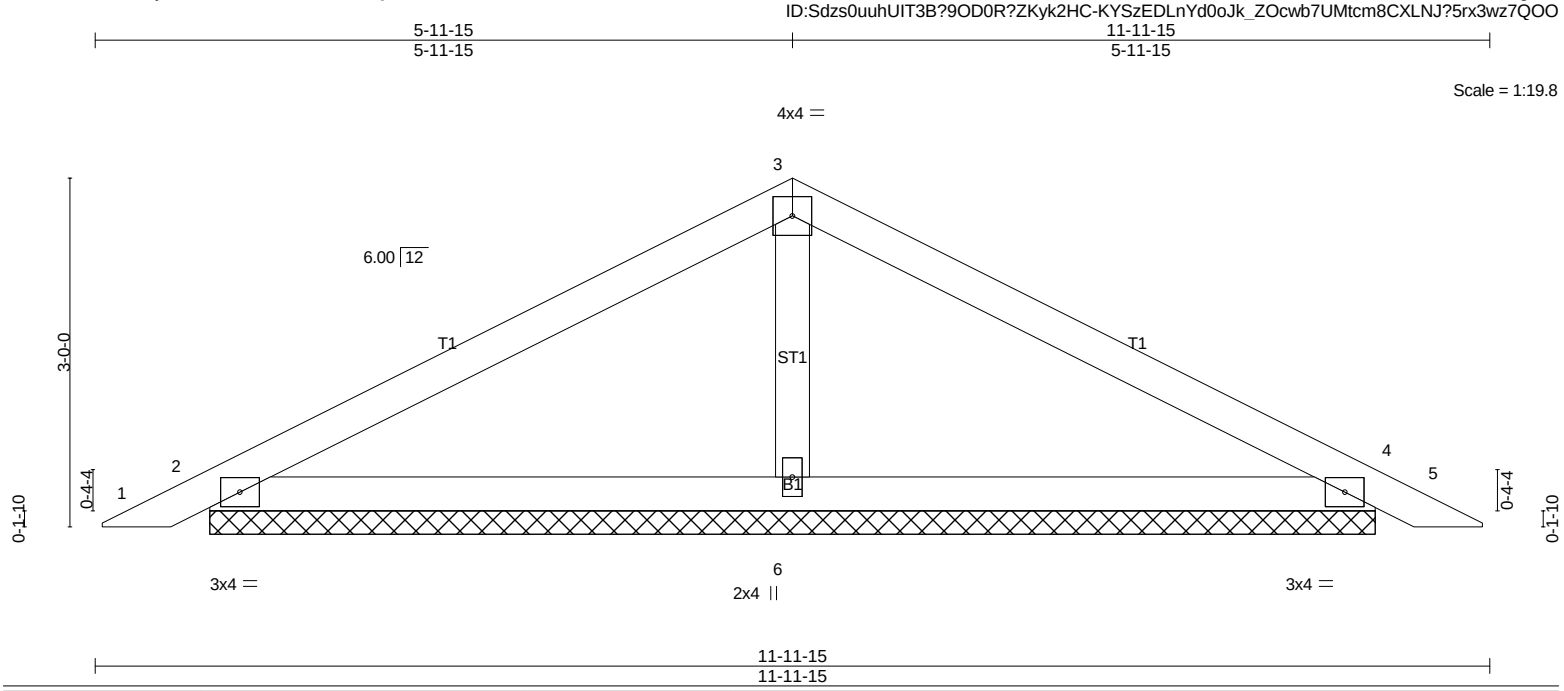

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.25	Vert(LL)	0.01	5	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	0.02	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2021/TPI2014		Matrix-S							Weight: 38 lb	FT = 20%

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

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=224/10-0-5 (min. 0-1-8), 4=224/10-0-5 (min. 0-1-8), 6=430/10-0-5 (min. 0-1-8)
Max Horz 2=-37(LC 10)
Max Uplift 2=-34(LC 12), 4=-40(LC 13)
Max Grav 2=226(LC 25), 4=226(LC 26), 6=430(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-6=-278/229

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=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-4-5 to 4-9-1, Interior(1) 4-9-1 to 5-11-15, Exterior(2R) 5-11-15 to 10-4-12, Interior(1) 10-4-12 to 11-7-10 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 3A Elbridge Farm/Harnett
J0125-0034	PB3	Piggyback	3	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

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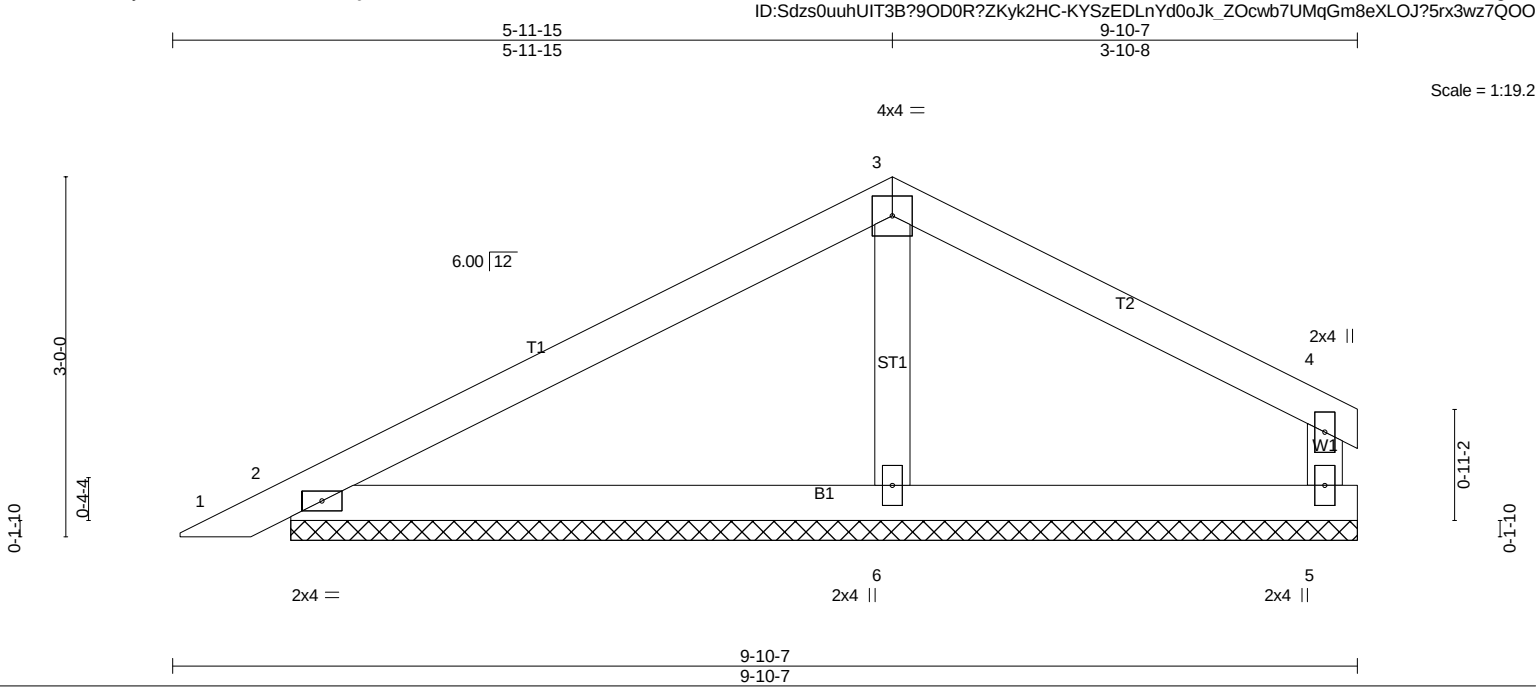

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.40	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	0.01	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code IRC2021/TPI2014		Matrix-P							Weight: 34 lb	FT = 20%

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

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 5=130/8-10-10 (min. 0-1-8), 2=231/8-10-10 (min. 0-1-8), 6=366/8-10-10 (min. 0-1-8)
Max Horz 2=53(LC 12)
Max Uplift5=-39(LC 13), 2=-35(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-6=-256/237

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=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-4-5 to 4-9-1, Interior(1) 4-9-1 to 5-11-15, Exterior(2E) 5-11-15 to 9-7-3 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 2.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 3A Elbridge Farm/Harnett
J0125-0034	PB4	Piggyback	5	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

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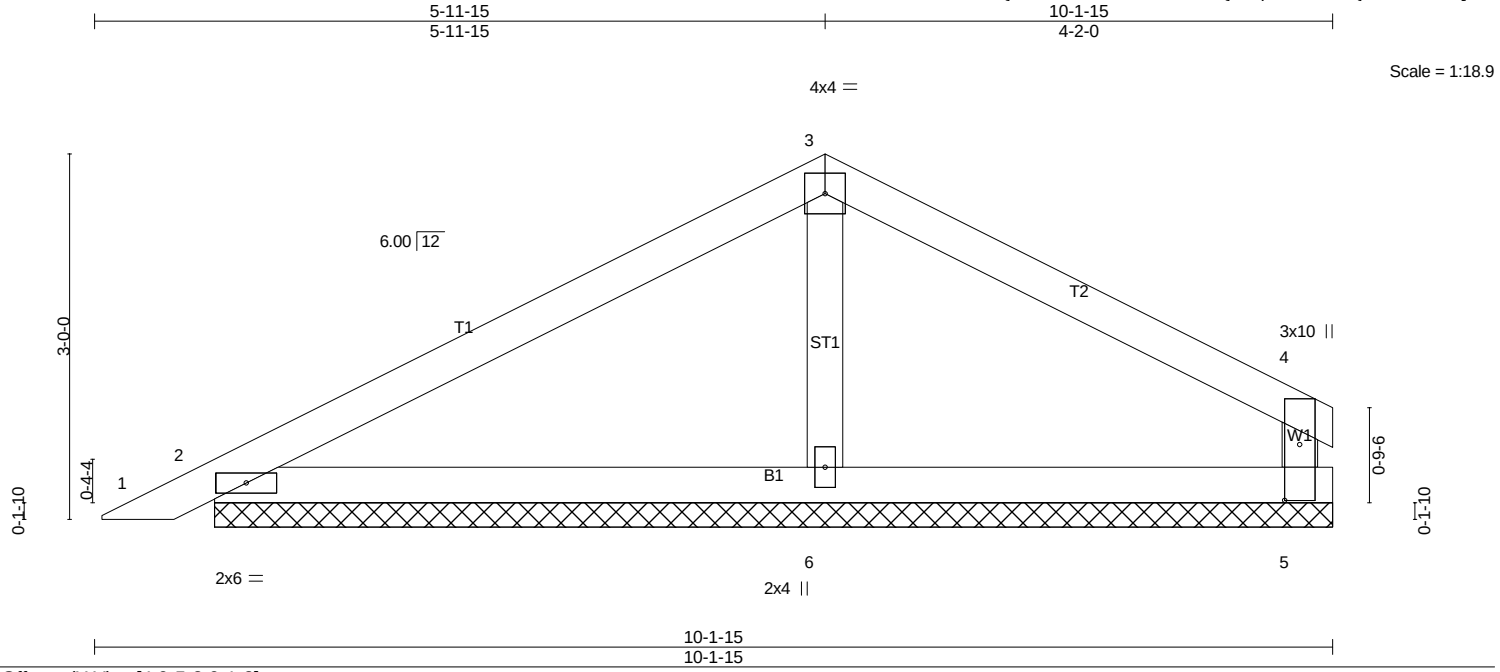

Plate Offsets (X,Y)-- [4:0-5-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.26	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	0.01	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2021/TPI2014		Matrix-S							Weight: 35 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1
WEBS	2x4 SP No.2
OTHERS	2x4 SP No.2

BRACING-

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 5=160/9-2-2 (min. 0-1-8), 2=244/9-2-2 (min. 0-1-8), 6=347/9-2-2 (min. 0-1-8)
Max Horz 2=50(LC 12)
Max Uplift 5=-44(LC 13), 2=-29(LC 12), 6=-9(LC 12)
Max Grav 5=178(LC 26), 2=244(LC 1), 6=347(LC 1)

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

NOTES-

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

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 3A Elbridge Farm/Harnett
J0125-0034	PB5	Piggyback	1	2	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

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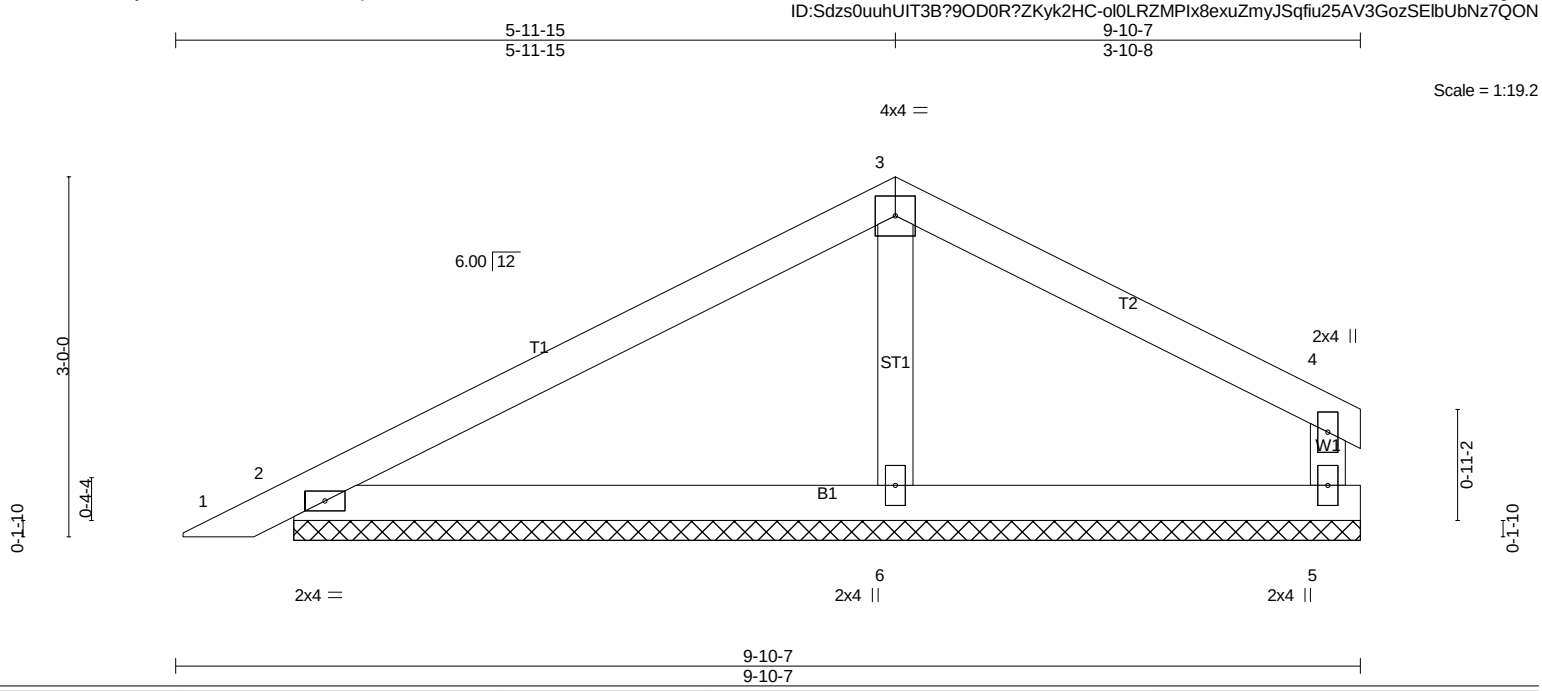

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	0.01	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code IRC2021/TPI2014		Matrix-P							Weight: 68 lb	FT = 20%

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

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

REACTIONS. (lb/size) 5=130/8-10-10 (min. 0-1-8), 2=231/8-10-10 (min. 0-1-8), 6=366/8-10-10 (min. 0-1-8)
Max Horz 2=53(LC 12)
Max Uplift5=-39(LC 13), 2=-35(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-6=-256/237

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-4-5 to 4-9-1, Interior(1) 4-9-1 to 5-11-15, Exterior(2E) 5-11-15 to 9-7-3 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 2.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 3A Elbridge Farm/Harnett
J0125-0034	PB6	Piggyback	1	2	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

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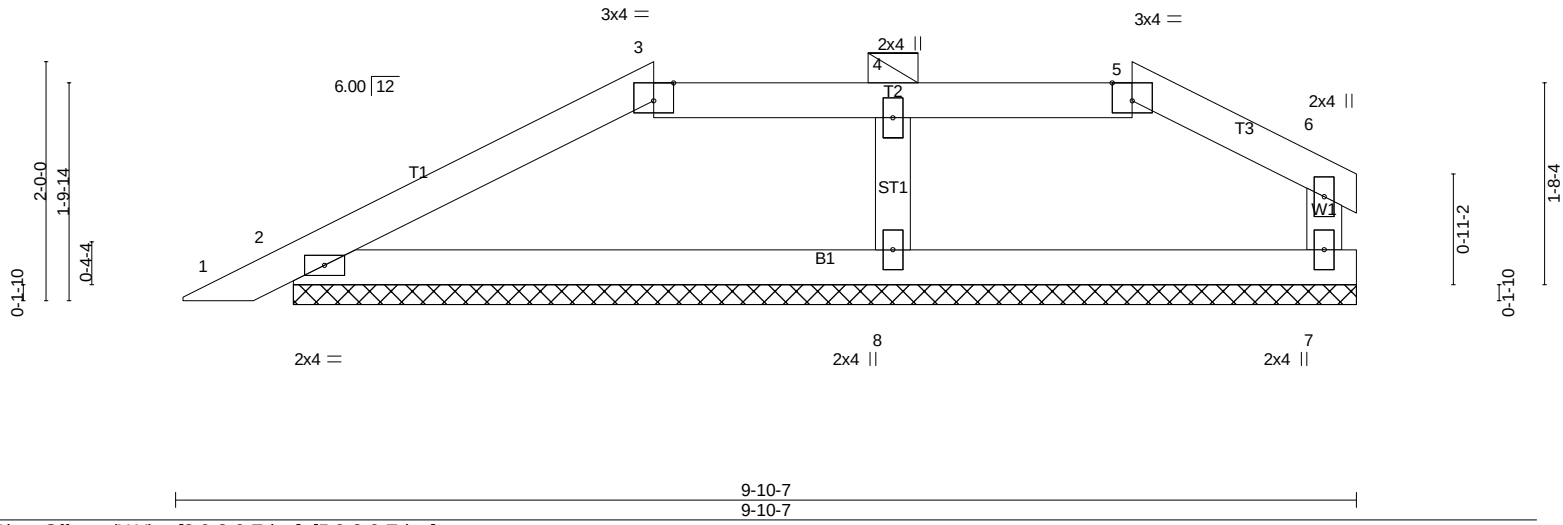
4-0-0 | 4-0-0 | 1-10-8

Scale = 1:19.3



9-10-7
9-10-7

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.08	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code IRC2021/TPI2014		Matrix-S							Weight: 63 lb	FT = 20%

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

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

REACTIONS. (lb/size) 7=150/8-10-10 (min. 0-1-8), 2=245/8-10-10 (min. 0-1-8), 8=332/8-10-10 (min. 0-1-8)
Max Horz 2=40(LC 12)
Max Uplift7=-20(LC 13), 2=-30(LC 12), 8=-11(LC 9)

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

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) Gable requires continuous bottom chord bearing.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 2, 8.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 3A Elbridge Farm/Harnett
J0125-0034	VP1	VALLEY	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

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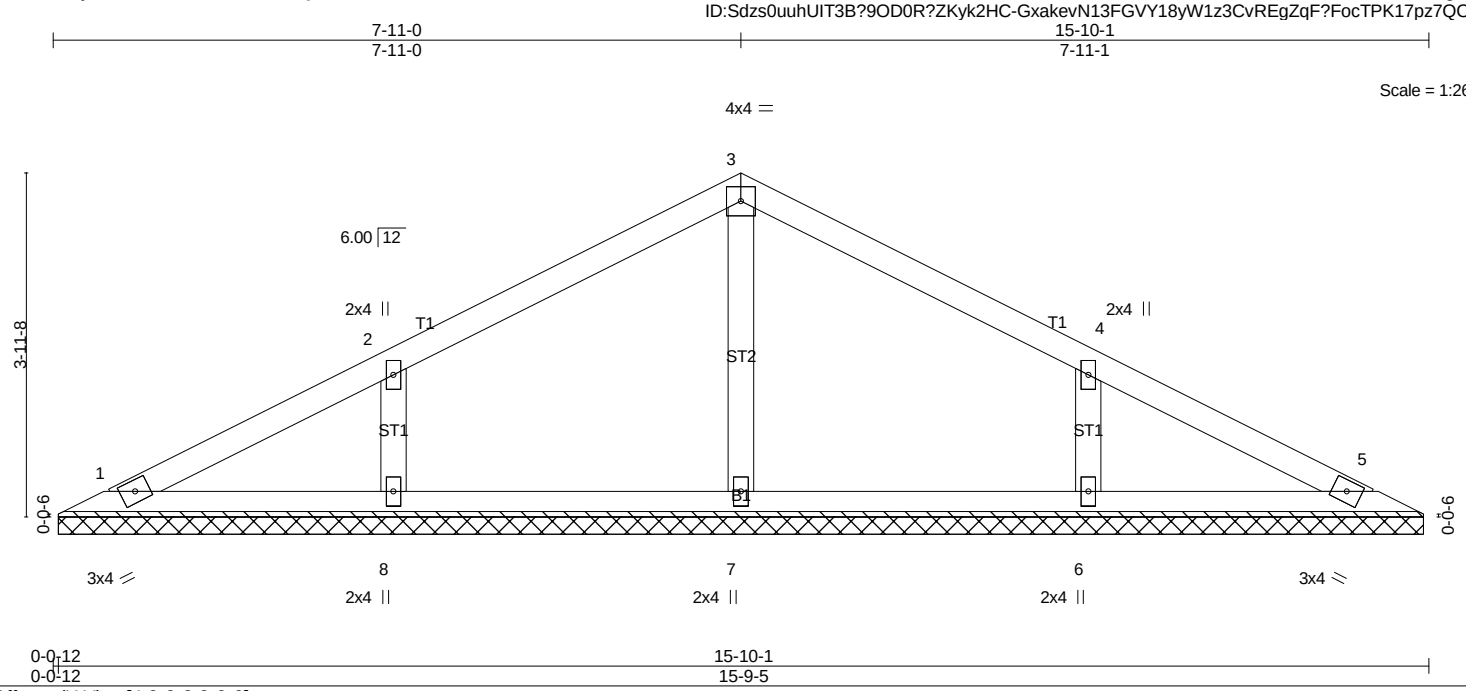

Plate Offsets (X,Y)-- [4:0-0-0,0-0-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2021/TPI2014		Matrix-S							Weight: 57 lb	FT = 20%

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

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 15-8-9.
(lb) - Max Horz 1=48(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1, 8, 6
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=272(LC 1), 8=344(LC 25), 6=344(LC 26)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-260/255, 4-6=-260/255

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=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-7-13 to 5-0-10, Interior(1) 5-0-10 to 7-11-0, Exterior(2R) 7-11-0 to 12-3-13, Interior(1) 12-3-13 to 15-2-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 8, 6.
6) Non Standard bearing condition. Review required.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 3A Elbridge Farm/Harnett
J0125-0034	VP2	VALLEY	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

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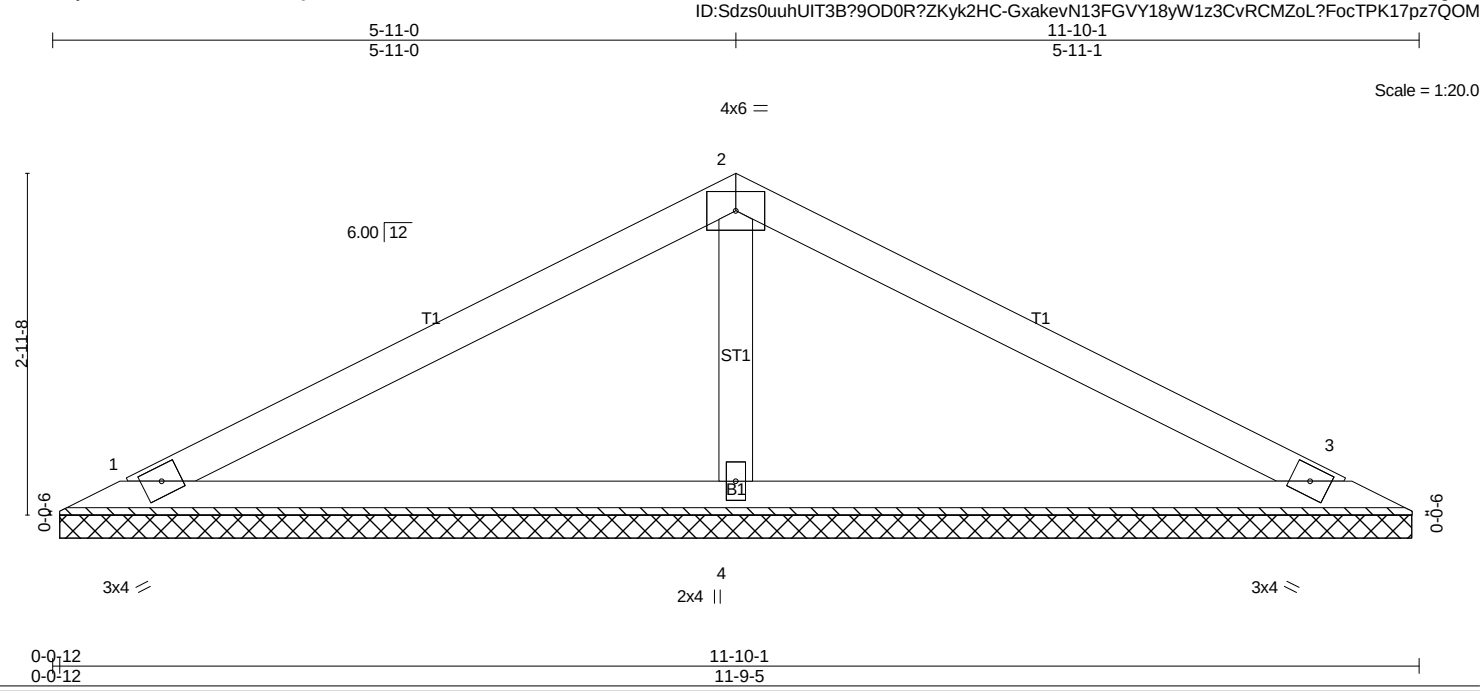

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.29	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.20	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2021/TPI2014		Matrix-S							Weight: 38 lb	FT = 20%

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

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 1=193/11-8-9 (min. 0-1-8), 3=193/11-8-9 (min. 0-1-8), 4=456/11-8-9 (min. 0-1-8)
Max Horz 1=-35(LC 8)
Max Uplift1=-26(LC 12), 3=-32(LC 13)
Max Grav 1=195(LC 25), 3=195(LC 26), 4=456(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-302/245

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=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-7-13 to 5-0-10, Interior(1) 5-0-10 to 5-11-0, Exterior(2R) 5-11-0 to 10-3-13, Interior(1) 10-3-13 to 11-2-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
6) Non Standard bearing condition. Review required.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 3A Elbridge Farm/Harnett
J0125-0034	VP3	VALLEY	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

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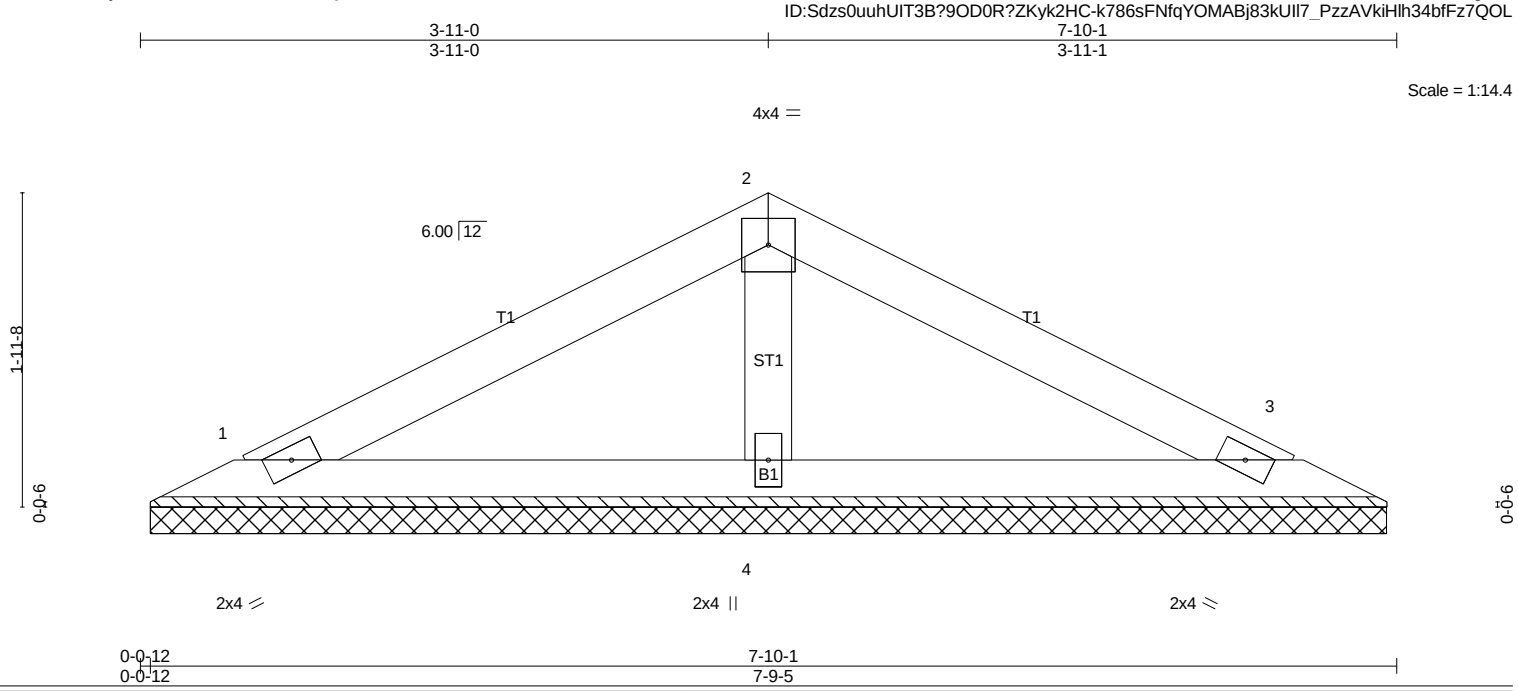

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2021/TPI2014		Matrix-P							Weight: 24 lb	FT = 20%

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

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 1=133/7-8-9 (min. 0-1-8), 3=133/7-8-9 (min. 0-1-8), 4=256/7-8-9 (min. 0-1-8)
Max Horz 1=-21(LC 10)
Max Uplift1=-21(LC 12), 3=-25(LC 13)

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=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
6) Non Standard bearing condition. Review required.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 3A Elbridge Farm/Harnett
J0125-0034	VP4	VALLEY	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

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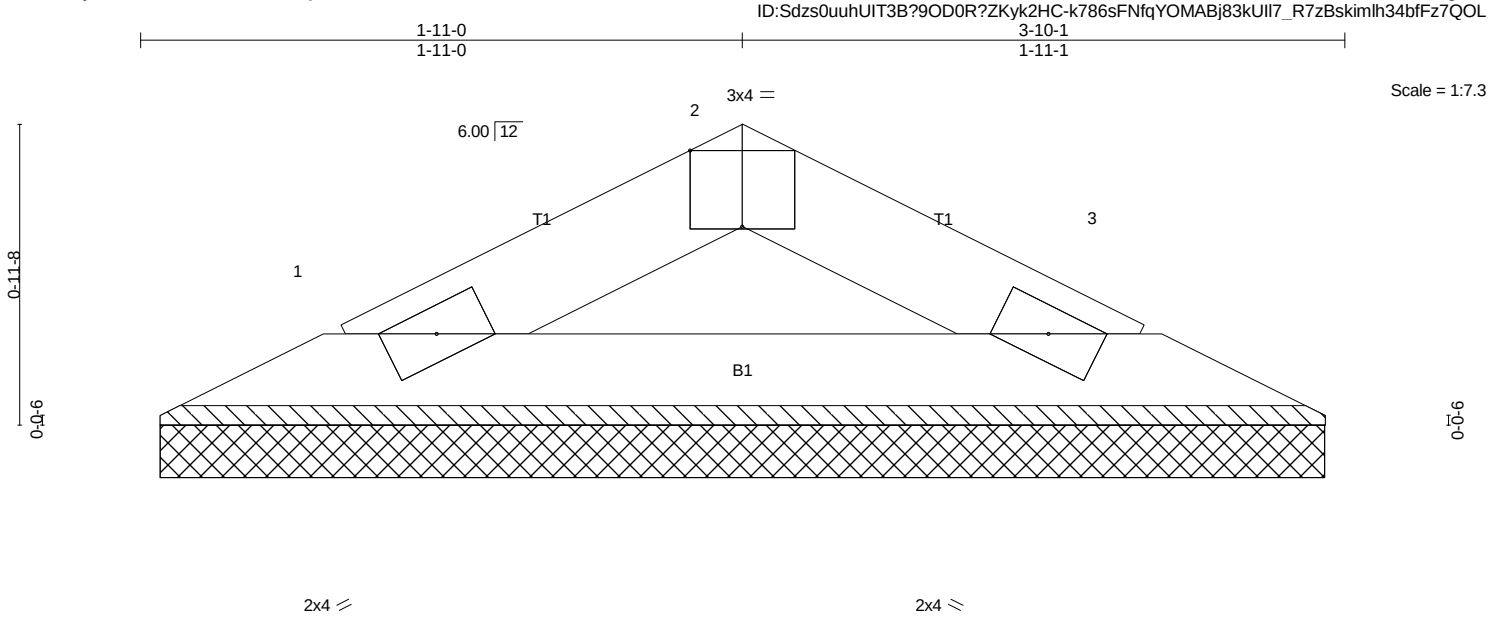

Plate Offsets (X,Y)-- [2:0-2-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.04	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2021/TPI2014		Matrix-P							Weight: 10 lb	FT = 20%

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

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 1=101/3-8-9 (min. 0-1-8), 3=101/3-8-9 (min. 0-1-8)
Max Horz 1=8(LC 9)
Max Uplift1=-6(LC 12), 3=-6(LC 13)

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=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
6) Non Standard bearing condition. Review required.

LOAD CASE(S) Standard