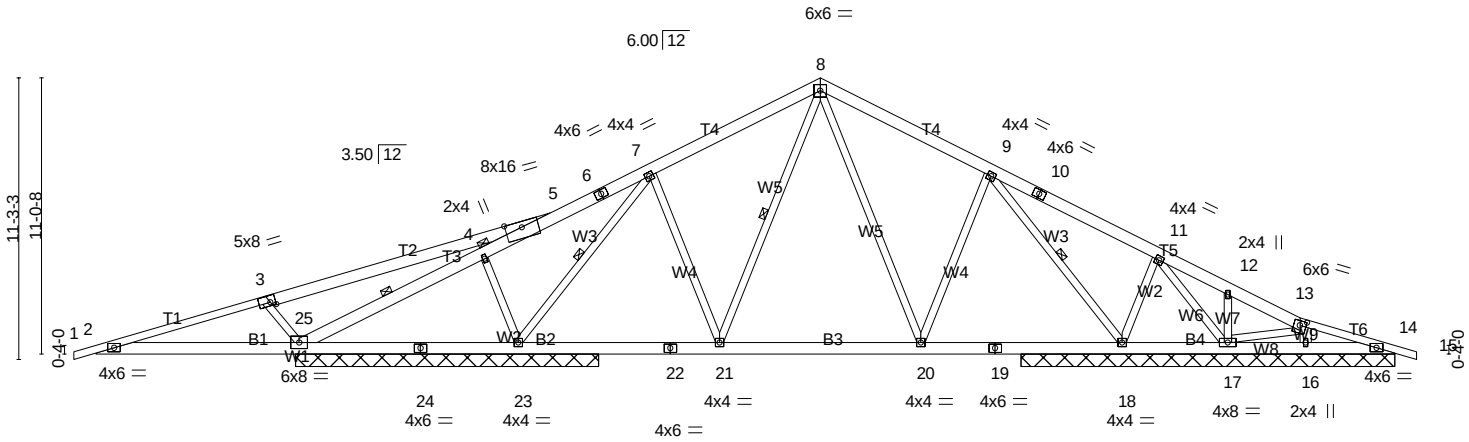
Job	Truss	Truss Type	Qty	Ply	Weaver / Hall Residence / Harnett
J0923-5487	A1	ROOF SPECIAL	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Linwood Norris — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Thu Sep 28 15:17:31 2023 Page 1
ID:?GFvLGM?se_3qkyuQvmC8OyZ5kA-Ha4URREqM50z8nb1?sHcXbYnGA6evhsIYw9JppyZ4Eo

-0-10-8	6-10-0	15-6-13	18-2-6	22-3-7	29-0-0	35-8-9	42-5-3	45-3-13	48-2-6	52-0-0 52-10-8
0-10-8	6-10-0	8-8-13	2-7-9	4-1-1	6-8-9	6-8-9	6-8-10	2-10-10	2-10-10	3-9-10 0-10-8

Scale = 1:92.2



8-0-0	16-10-15	24-11-10	33-0-6	41-1-1	45-3-13	48-2-6	52-0-0
8-0-0	8-10-15	8-0-11	8-0-12	8-0-11	4-2-12	2-10-10	3-9-10

Plate Offsets (X,Y)-- [3:0-2-8,0-1-12], [13:0-3-0,0-2-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.88	Vert(LL)	-0.05	20-21	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.28	Vert(CT)	-0.07	20-21	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.47	Horz(CT)	0.01	16	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.02	20-21	>999	240	Weight: 382 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1 *Except* T6,T1: 2x4 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2 *Except* W9: 2x6 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins. Except: 1 Row at midpt 4-25
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 8-21, 9-18, 7-23
JOINTS 1 Brace at Jt(s): 4

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

REACTIONS. All bearings 14-11-8 except (jt=length) 25=12-1-8, 23=12-1-8.
(lb) - Max Horz 25=-220(LC 17)
Max Uplift All uplift 100 lb or less at joint(s) 16, 14 except 25=-384(LC 8), 23=-311(LC 12), 18=-265(LC 13), 17=-102(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 14, 17 except 25=1205(LC 1), 23=1358(LC 2), 18=1257(LC 2), 16=316(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-26=-460/924, 3-26=-440/996, 3-5=-523/1360, 4-25=-1056/444, 4-5=-1070/452, 5-6=-122/350, 6-7=-104/445, 7-27=-767/279, 8-27=-687/312, 8-28=-751/323, 9-28=-833/291
BOT CHORD 2-25=-890/499, 24-25=-289/267, 23-24=-289/267, 23-29=-41/611, 22-29=-41/611, 22-30=-41/611, 21-30=-41/611, 21-31=0/655, 31-32=0/655, 20-32=0/655, 20-33=0/646, 19-33=0/646, 19-34=0/646, 18-34=0/646
WEBS 3-25=-609/387, 7-21=0/364, 8-20=-121/301, 9-20=-46/263, 9-18=-1033/192, 11-18=-251/213, 7-23=-1295/320

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 4-2-12, Interior(1) 4-2-12 to 29-0-0, Exterior(2) 29-0-0 to 34-1-4, Interior(1) 34-1-4 to 52-10-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16, 14 except (jt=lb) 25=384, 23=311, 18=265, 17=102.
6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

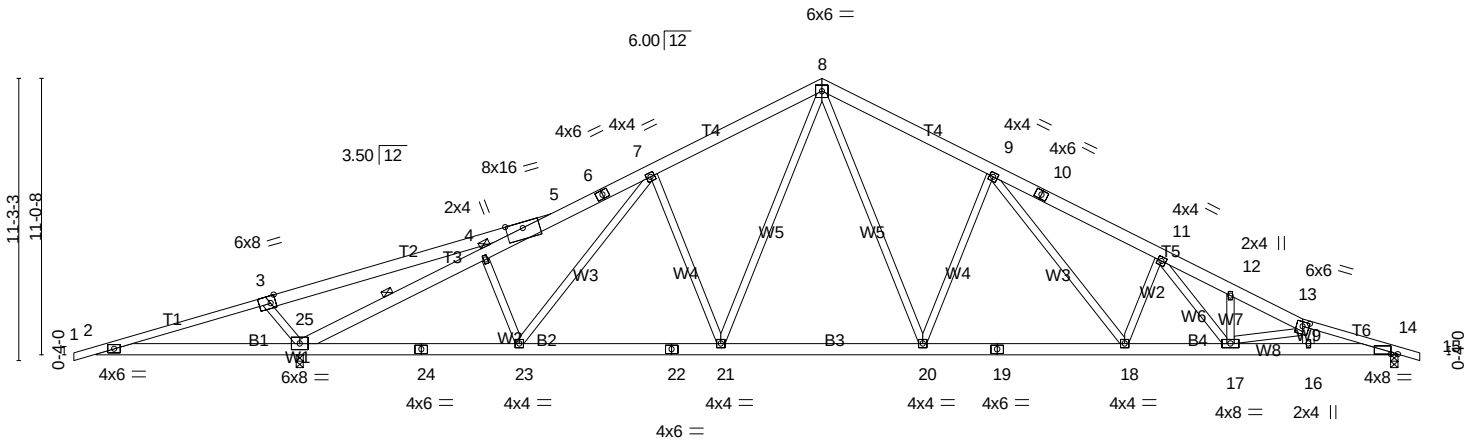
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver / Hall Residence / Harnett
J0923-5487	A2	Roof Special	5	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Linwood Norris — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Thu Sep 28 15:17:32 2023 Page 1
ID:?GFvLGM?se_3qkyuQvmC8OyZ5kA-lmesemFS7O9qlxADYZor3p5xbaHke1_RmavsMFyZ4En

-0-10-8	6-10-0	15-6-13	18-2-6	22-3-7	29-0-0	35-8-9	42-5-3	45-3-13	48-2-6	52-0-0	52-10-8
0-10-8	6-10-0	8-8-13	2-7-9	4-1-1	6-8-9	6-8-9	6-8-10	2-10-10	2-10-10	3-9-10	0-10-8

Scale = 1:92.0



8-0-0	16-10-15	24-11-10	33-0-6	41-1-1	45-3-13	48-2-6	52-0-0
8-0-0	8-10-15	8-0-11	8-0-12	8-0-11	4-2-12	2-10-10	3-9-10

Plate Offsets (X,Y)-- [3:0-2-8,Edge], [13:0-3-0,0-2-4], [14:0-3-5,0-0-1]

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	0.91	Vert(LL)	-0.26	18-20	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC	1.00	Vert(CT)	-0.48	18-20	>999	240		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.86	Horz(CT)	0.11	14	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-S		Wind(LL)	0.15	18	>999	240	Weight: 382 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1 *Except* T6,T1: 2x4 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2 *Except* W9: 2x6 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins. Except: 1 Row at midpt 4-25
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
JOINTS 1 Brace at Jt(s): 4

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

REACTIONS. (lb/size) 25=2523/0-3-8 (min. 0-3-0), 14=1739/0-3-8 (min. 0-2-2)
Max Horz 25=-130(LC 13)
Max Uplift 25=-192(LC 12), 14=-129(LC 13)
Max Grav 25=2523(LC 1), 14=1779(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-26=-450/876, 3-26=-430/948, 3-5=-514/1315, 4-25=-3937/919, 4-5=-3939/926, 5-6=-2784/532, 6-7=-2714/550, 7-27=-2514/588, 8-27=-2434/621, 8-28=-2585/654, 9-28=-2666/621, 9-10=-3538/768, 10-11=-3673/748, 11-12=-4506/889, 12-13=-4500/843, 13-14=-5320/988
BOT CHORD 2-25=-844/490, 24-25=-323/2489, 23-24=-323/2489, 23-29=-291/2327, 22-29=-291/2327, 22-30=-291/2327, 21-30=-291/2327, 21-31=-127/1877, 31-32=-127/1877, 20-32=-127/1877, 20-33=-313/2602, 19-33=-313/2602, 19-34=-313/2602, 18-34=-313/2602, 17-18=-526/3469, 16-17=-918/5159, 14-16=-893/5096
WEBS 3-25=-619/299, 7-21=-475/277, 8-21=-178/849, 8-20=-238/1243, 9-20=-865/346, 9-18=-202/1052, 11-18=-764/265, 13-16=-283/111, 7-23=0/304, 13-17=-1196/285, 11-17=-207/988

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-10-8 to 4-2-12, Interior(1) 4-2-12 to 29-0-0, Exterior(2) 29-0-0 to 34-1-4, Interior(1) 34-1-4 to 52-10-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 25=192, 14=129.
6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

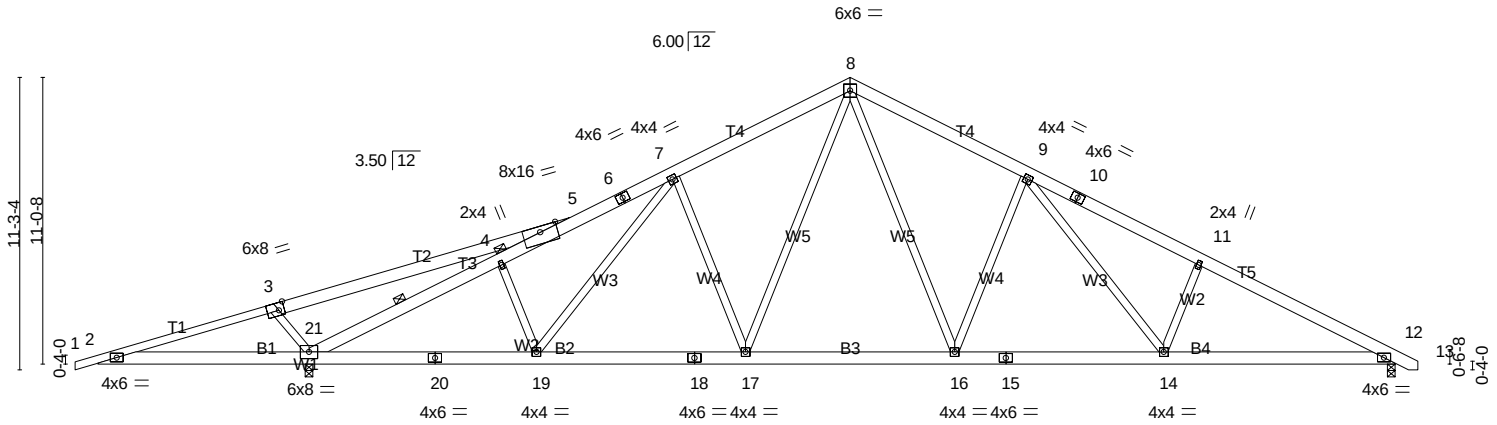
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver / Hall Residence / Harnett
J0923-5487	A3	ROOF SPECIAL	2	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Linwood Norris — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Thu Sep 28 15:17:33 2023 Page 1
ID:?GFvLGM?se_3qkyuQvmC8OyZ5kA-DyBEs6F4uiHhN5lP6GJ4c0d6MzlFNX5b?EeQuhyZ4Em

-0-10-8	6-10-0	15-6-13	18-2-6	22-3-7	29-0-0	35-8-9	42-5-3	50-0-0	50-10-8
0-10-8	6-10-0	8-8-13	2-7-9	4-1-1	6-8-9	6-8-9	6-8-10	7-6-13	0-10-8

Scale = 1:88.8



8-1-12	16-10-15	24-11-10	33-0-6	41-1-1	50-0-0
8-1-12	8-9-3	8-0-11	8-0-12	8-0-11	8-10-15

Plate Offsets (X,Y)-- [3:0-2-8,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	0.91	Vert(LL)	-0.15	17-19	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.47	Vert(CT)	-0.27	17-19	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.68	Horz(CT)	0.09	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.08	17-19	>999	240	Weight: 362 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins. Except: 1 Row at midpt 4-21
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 2-21.
JOINTS 1 Brace at Jt(s): 4

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

REACTIONS. (lb/size) 12=1645/0-3-8 (min. 0-2-0), 21=2446/0-3-8 (min. 0-2-14)
Max Horz 21=143(LC 11)
Max Uplift 12=-115(LC 13), 21=-307(LC 8)
Max Grav 12=1709(LC 2), 21=2446(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-22=-945/878, 3-22=-925/950, 3-5=-1012/1317, 4-21=-3770/1166, 4-5=-3773/1164, 5-6=-2614/289, 6-7=-2544/300, 7-23=-2340/446, 8-23=-2260/479, 8-24=-2324/536, 9-24=-2404/503, 9-10=-2923/612, 10-11=-3058/579, 11-25=-3101/549, 12-25=-3195/527
BOT CHORD 2-21=-846/963, 20-21=-110/2399, 19-20=-110/2399, 19-26=-113/2219, 18-26=-113/2219, 18-27=-113/2219, 17-27=-113/2219, 17-28=-21/1739, 28-29=-21/1739, 16-29=-21/1739, 16-30=-179/2294, 15-30=-179/2294, 15-31=-179/2294, 14-31=-179/2294, 12-14=-355/2769
WEBS 7-19=0/307, 7-17=-476/207, 8-17=-104/881, 8-16=-198/1035, 9-16=-681/303, 9-14=-155/658, 11-14=-365/240, 3-21=-618/309

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-10-8 to 4-0-15, Interior(1) 4-0-15 to 29-0-0, Exterior(2) 29-0-0 to 33-11-7, Interior(1) 33-11-7 to 50-8-6 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=115, 21=307.
6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) 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

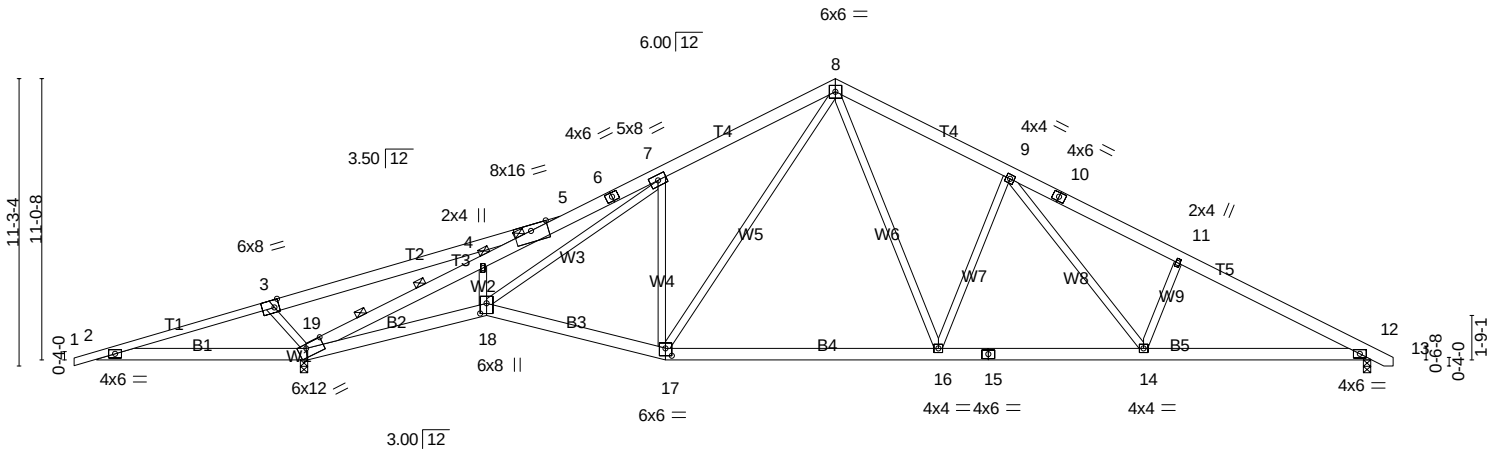
Job	Truss	Truss Type	Qty	Ply	Weaver / Hall Residence / Harnett
J0923-5487	A4	ROOF SPECIAL	8	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Linwood Norris — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Thu Sep 28 15:17:33 2023 Page 1

ID:?GFvLGM?se_3qkyuQvmC8OyZ5kA-DyBEs6F4uiHhN5lP6GJ4c0d5XzjhNVeb?EeQuhyZ4Em

-0-10-8	6-10-0	8-3-8	15-3-12	18-2-6	22-4-0	29-0-0	35-8-9	42-5-3	50-0-0	50-10-8
0-10-8	6-10-0	1-5-8	7-0-4	2-10-10	4-1-10	6-8-0	6-8-9	6-8-10	7-6-13	0-10-8

Scale = 1:90.4



8-1-12	8-3-8	15-3-12	22-4-0	33-0-6	41-1-1	50-0-0
8-1-12	0-1-12	7-0-4	7-0-4	10-8-6	8-0-11	8-10-15

Plate Offsets (X,Y)-- [3:0-2-4,Edge], [17:0-3-0,0-3-8], [18:0-4-12,0-3-0], [19:0-8-0,0-1-14]

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	0.96	Vert(LL)	-0.36	16-17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.63	Vert(CT)	-0.63	16-17	>789	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.77	Horz(CT)	0.23	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.18	17-18	>999	240	Weight: 361 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1 *Except* T1: 2x4 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins. Except: 1 Row at midpt 4-5; 2 Rows at 1/3 pts 4-19
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 2-19.
JOINTS 1 Brace at Jt(s): 4

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

REACTIONS. (lb/size) 19=2453/0-3-8 (min. 0-2-14), 12=1638/0-3-8 (min. 0-2-0)
Max Horz 19=143(LC 11)
Max Uplift 19=-311(LC 8), 12=-115(LC 13)
Max Grav 19=2453(LC 1), 12=1683(LC 2)

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

TOP CHORD 2-20=-981/890, 3-20=-961/964, 3-5=-1062/1365, 4-19=-5531/1055, 4-5=-5452/1041, 5-6=-4312/266, 6-7=-4233/277, 7-21=-2426/492, 8-21=-2340/525, 8-22=-2298/525, 9-22=-2378/493, 9-10=-2853/609, 10-11=-2988/577, 11-23=-3030/547, 12-23=-3108/524
BOT CHORD 2-19=-858/997, 18-19=-186/4090, 17-18=-110/2226, 17-24=-20/1671, 24-25=-20/1671, 16-25=-20/1671, 16-26=-171/2262, 15-26=-171/2262, 15-27=-171/2262, 14-27=-171/2262, 12-14=-353/2708
WEBS 7-18=-136/2277, 9-16=-674/307, 9-14=-164/640, 11-14=-366/239, 8-16=-175/1168, 8-17=-177/886, 7-17=-929/269, 3-19=-649/315

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-10-8 to 4-0-15, Interior(1) 4-0-15 to 29-0-0, Exterior(2) 29-0-0 to 33-11-7, Interior(1) 33-11-7 to 50-8-6 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 19=311, 12=115.
6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) 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 / Hall Residence / Harnett
J0923-5487	A5	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Linwood Norris — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Thu Sep 28 15:17:34 2023 Page 1

ID:?GFvLGM?se_3qkyuQvmC8OyZ5kA-h8lc3SGif0PY?FKcg_qJ9EAG9N3y6vVkEuOzQ8yZ4El

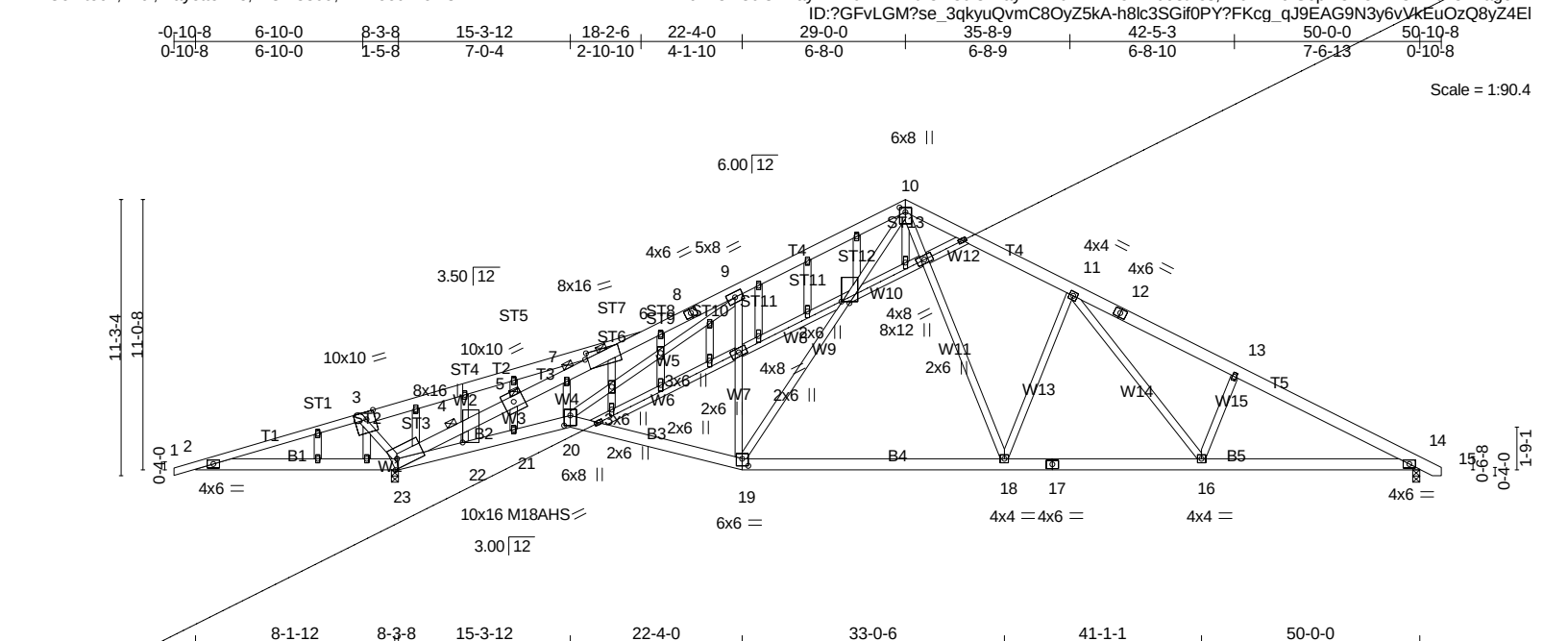


Plate Offsets (X,Y)-- [3:0-4-4,Edge], [4:0-7-15,2-8-3], [6:0-1-6,0-3-0], [10:0-2-4,0-3-0], [19:0-3-0,0-3-8], [20:0-5-0,0-3-0], [23:0-3-0,0-4-10], [26:0-0-11,0-3-14]

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	0.97	Vert(LL)	-0.36	18-19	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.63	Vert(CT)	-0.63	18-19	>796	240	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.99	Horz(CT)	0.23	14	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.26	19-20	>999	240	Weight: 432 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1 *Except* T1: 2x4 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2 *Except* W12,W10,W8,W6: 2x6 SP No.1
OTHERS 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied. Except: 1 Row at midpt 5-23, 6-7
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 7, 5

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

REACTIONS. (lb/size) 23=2453/0-3-8 (min. 0-2-14), 14=1638/0-3-8 (min. 0-2-0)
Max Horz 23=220(LC 12)
Max Uplift 23=-579(LC 12), 14=-363(LC 13)
Max Grav 23=2453(LC 1), 14=1683(LC 2)

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

TOP CHORD 2-48=-439/906, 3-48=-419/980, 3-6=-517/1382, 4-23=-5512/1097, 4-5=-5421/1095, 5-7=-5429/1074, 6-7=-5368/1146, 6-8=-4172/807, 8-9=-4093/826, 9-49=-2433/651, 10-49=-2345/684, 10-50=-2297/600, 11-50=-2377/567, 11-12=-2853/693, 12-13=-2988/660, 13-51=-3030/624, 14-51=-3108/602

BOT CHORD 2-23=-873/479, 22-23=-724/3868, 21-22=-715/3832, 20-21=-698/3847, 19-20=-354/2175, 19-52=-133/1649, 52-53=-133/1649, 18-53=-133/1649, 18-54=-238/2262, 17-54=-238/2262, 17-55=-238/2262, 16-55=-238/2262, 14-16=-440/2708

WEBS 9-20=-449/2060, 11-18=-674/403, 11-16=-233/640, 13-16=-366/298, 10-18=-270/1146, 10-19=-362/846, 9-19=-909/480, 3-23=-651/399

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 4-0-15, Interior(1) 4-0-15 to 29-0-0, Exterior(2) 29-0-0 to 33-11-7, Interior(1) 33-11-7 to 50-8-6 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are MT20 plates unless otherwise indicated.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 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.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 23=579, 14=363.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Continued on page 2

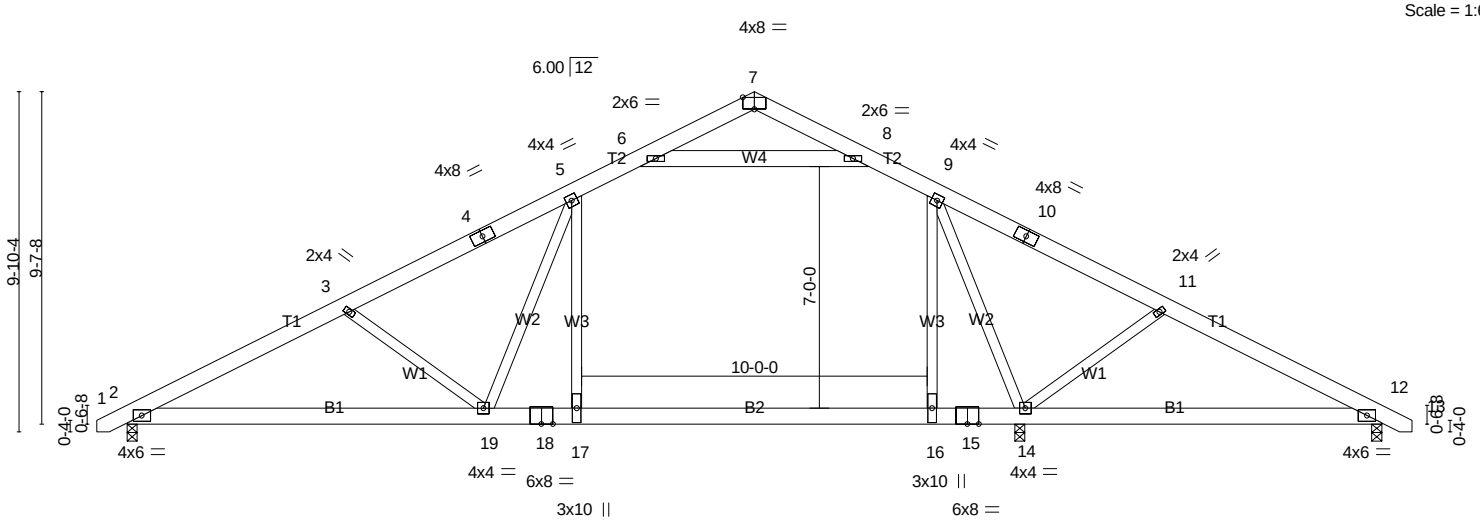
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver / Hall Residence / Harnett
J0923-5487	B1	COMMON	10	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Linwood Norris — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Thu Sep 28 15:17:35 2023 Page 1
ID:?GFvLGM?se_3qkyuQvmC8OyZ5kA-9LJ_HoHLQJXPcPvoEhLYhRjVonM2rRDuSY7XyayZ4Ek

-0-10-8	6-5-4	13-0-4	18-2-0	23-3-12	29-10-12	36-4-0	37-2-8
0-10-8	6-5-4	6-7-0	5-1-12	5-1-12	6-7-0	6-5-4	0-10-8

Scale = 1:66.7



10-5-12	13-0-4	23-3-12	25-10-4	36-4-0
10-5-12	2-6-8	10-3-8	2-6-8	10-5-12

Plate Offsets (X,Y)-- [7:0-4-0,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	0.72	Vert(LL)	-0.30	16-17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.83	Vert(CT)	-0.52	16-17	>590	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.06	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.19	17	>999	240	Weight: 253 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2 *Except*
W4: 2x6 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-11-2 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=1359/0-3-8 (min. 0-1-11), 14=468/0-3-8 (min. 0-1-8), 12=1157/0-3-8 (min. 0-1-8)
Max Horz 2=-123(LC 10)
Max Uplift2=-132(LC 12), 14=-162(LC 13), 12=-92(LC 12)
Max Grav 2=1406(LC 19), 14=735(LC 24), 12=1161(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-20=-2586/513, 3-20=-2474/532, 3-4=-2231/445, 4-5=-2094/456, 5-21=-1569/433, 6-21=-1534/442, 6-7=-19/382, 7-8=-28/303, 8-22=-1599/471, 9-22=-1635/465, 9-10=-1710/429, 10-11=-1813/413, 11-23=-1962/502, 12-23=-2074/483
BOT CHORD 2-19=-386/2363, 18-19=-143/1735, 17-18=-143/1735, 16-17=-143/1735, 15-16=-143/1735, 14-15=-143/1735, 12-14=-331/1823
WEBS 9-16=0/816, 9-14=-650/121, 11-14=-433/252, 5-17=-129/404, 5-19=-120/696, 3-19=-545/272, 6-8=-2010/474

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-6 to 3-8-7, Interior(1) 3-8-7 to 18-2-0, Exterior(2) 18-2-0 to 22-6-13, Interior(1) 22-6-13 to 37-0-6 zone; cantilever right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12 except (jt=lb) 2=132, 14=162.
6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver / Hall Residence / Harnett
J0923-5487	B1GE	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Linwood Norris — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Thu Sep 28 15:17:35 2023 Page 1
ID:?GFvLGM?se_3qkyuQvmC8OyZ5kA-9LJ_HoHLQJXPcPvoEhLYhRjXgnQerSCuSY7XyayZ4Ek

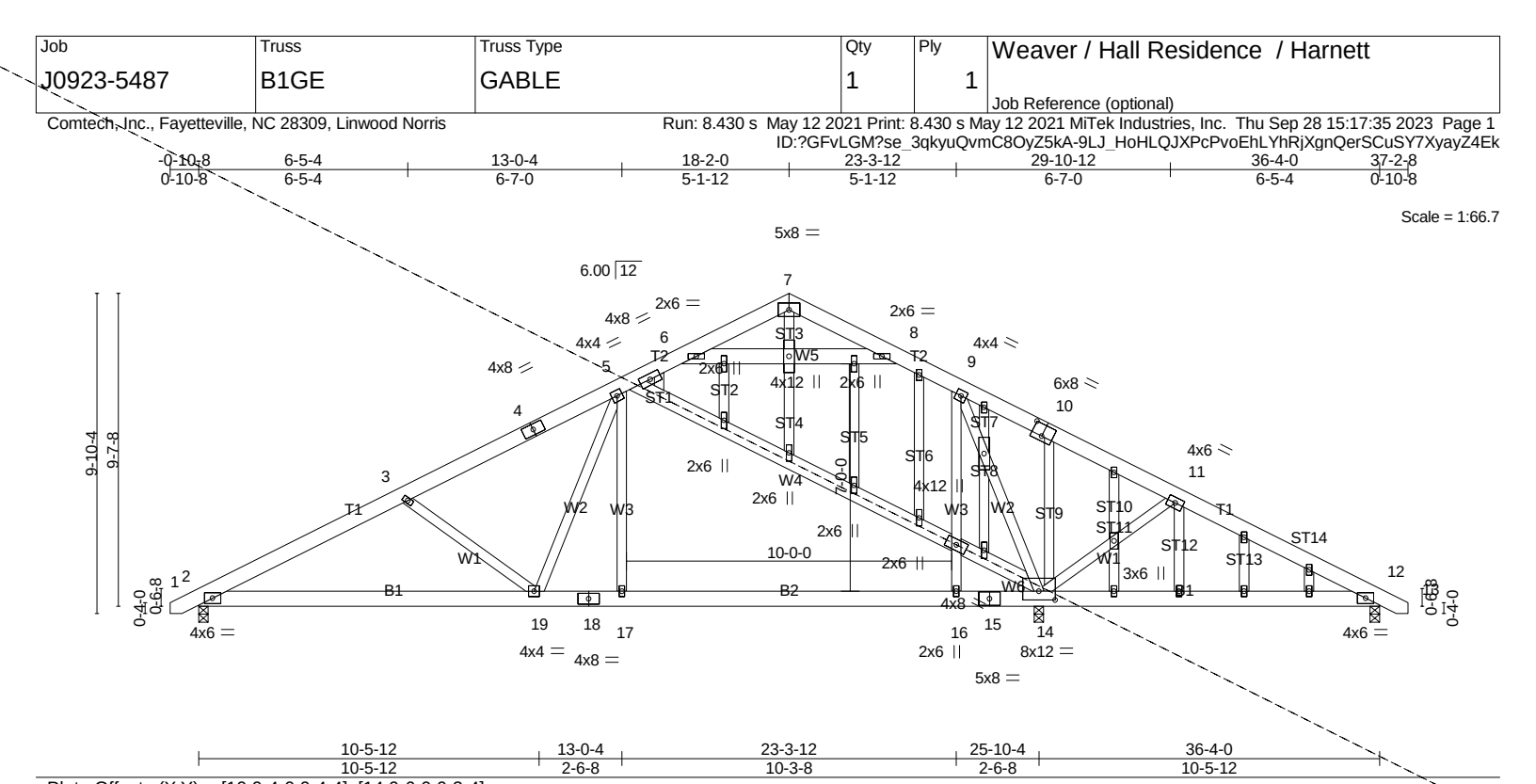


Plate Offsets (X,Y)-- [10:0-4-0,0-4-4], [14:0-6-0,0-3-4]

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	0.60	Vert(LL)	-0.20	17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.54	Vert(CT)	-0.43	16-17	>728	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.06	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.28	17	>999	240	Weight: 333 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2 *Except*
W5,W6,W4: 2x6 SP No.1
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-6-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-2-14 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=1359/0-3-8 (min. 0-1-10), 14=468/0-3-8 (min. 0-1-8), 12=1157/0-3-8 (min. 0-1-8)
Max Horz 2=-191(LC 17)
Max Uplift2=-363(LC 12), 14=-321(LC 13), 12=-275(LC 12)
Max Grav 2=1359(LC 1), 14=735(LC 24), 12=1157(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-44=-2423/672, 3-44=-2288/691, 3-4=-2036/557, 4-5=-1885/568, 5-45=-1392/489, 6-45=-1349/497, 6-7=-66/284, 8-46=-1396/535, 9-46=-1435/530, 9-10=-1548/598, 10-11=-1604/587, 11-47=-1808/627, 12-47=-1943/609
BOT CHORD 2-19=-713/2117, 18-19=-348/1429, 17-18=-348/1429, 16-17=-348/1429, 15-16=-348/1429, 14-15=-348/1429, 12-14=-494/1682
WEBS 9-16=-22/433, 9-14=-425/216, 11-14=-433/323, 5-19=-210/696, 3-19=-545/360, 6-8=-1622/630

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-8-6 to 3-8-7, Interior(1) 3-8-7 to 18-2-0, Exterior(2) 18-2-0 to 22-6-13, Interior(1) 22-6-13 to 37-0-6 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.
4) All plates are 2x4 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 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) except (jt=lb) 2=363, 14=321, 12=275.
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

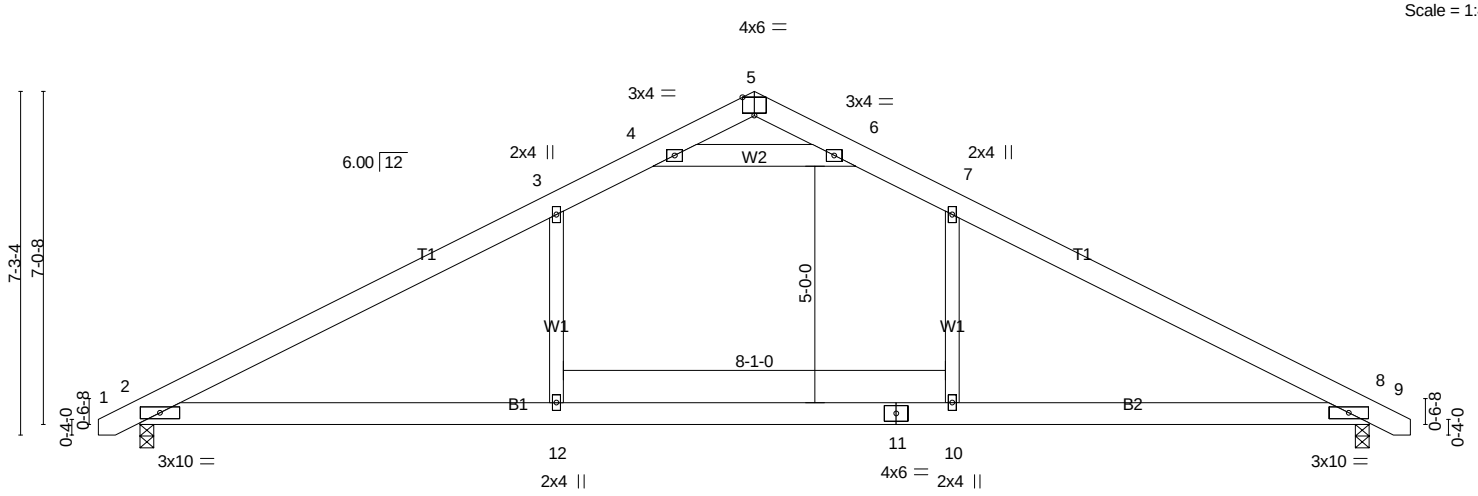
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver / Hall Residence / Harnett
J0923-5487	C1	COMMON	2	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Linwood Norris — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Thu Sep 28 15:17:36 2023 Page 1
ID:?GFvLGM?se_3qkyuQvmC8OyZ5kA-eXtMU8IzBdfGEYU_nPsnEfFf8Bnwaz71hCt4V0yZ4Ej

-0-10-8 | 8-9-12 | 13-0-0 | 17-2-4 | 26-0-0 | 26-10-8
0-10-8 | 8-9-12 | 4-2-4 | 4-2-4 | 8-9-12 | 0-10-8

Scale = 1:48.7



8-9-12 | 17-2-4 | 26-0-0
8-9-12 | 8-4-8 | 8-9-12

Plate Offsets (X,Y)-- [5:0-3-0,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	0.75	Vert(LL)	-0.23	2-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.47	Vert(CT)	-0.34	2-12	>905	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.15	2-12	>999	240	Weight: 156 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-9-15 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=1079/0-3-8 (min. 0-1-8), 8=1079/0-3-8 (min. 0-1-8)
Max Horz 2=89(LC 11)
Max Uplift2=-74(LC 12), 8=-74(LC 13)
Max Grav 2=1130(LC 2), 8=1130(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-13=-1839/327, 3-13=-1714/355, 3-4=-1457/406, 4-5=-172/809, 5-6=-172/809, 6-7=-1457/406, 7-14=-1714/355, 8-14=-1839/327
BOT CHORD 2-12=-174/1524, 11-12=-174/1524, 10-11=-174/1524, 8-10=-174/1524
WEBS 7-10=0/473, 3-12=0/473, 4-6=-2429/621

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-6 to 3-8-7, Interior(1) 3-8-7 to 13-0-0, Exterior(2) 13-0-0 to 17-2-4, Interior(1) 17-2-4 to 26-8-6 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8.
6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver / Hall Residence / Harnett
J0923-5487	C1GE	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Linwood Norris

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Thu Sep 28 15:17:37 2023 Page 1
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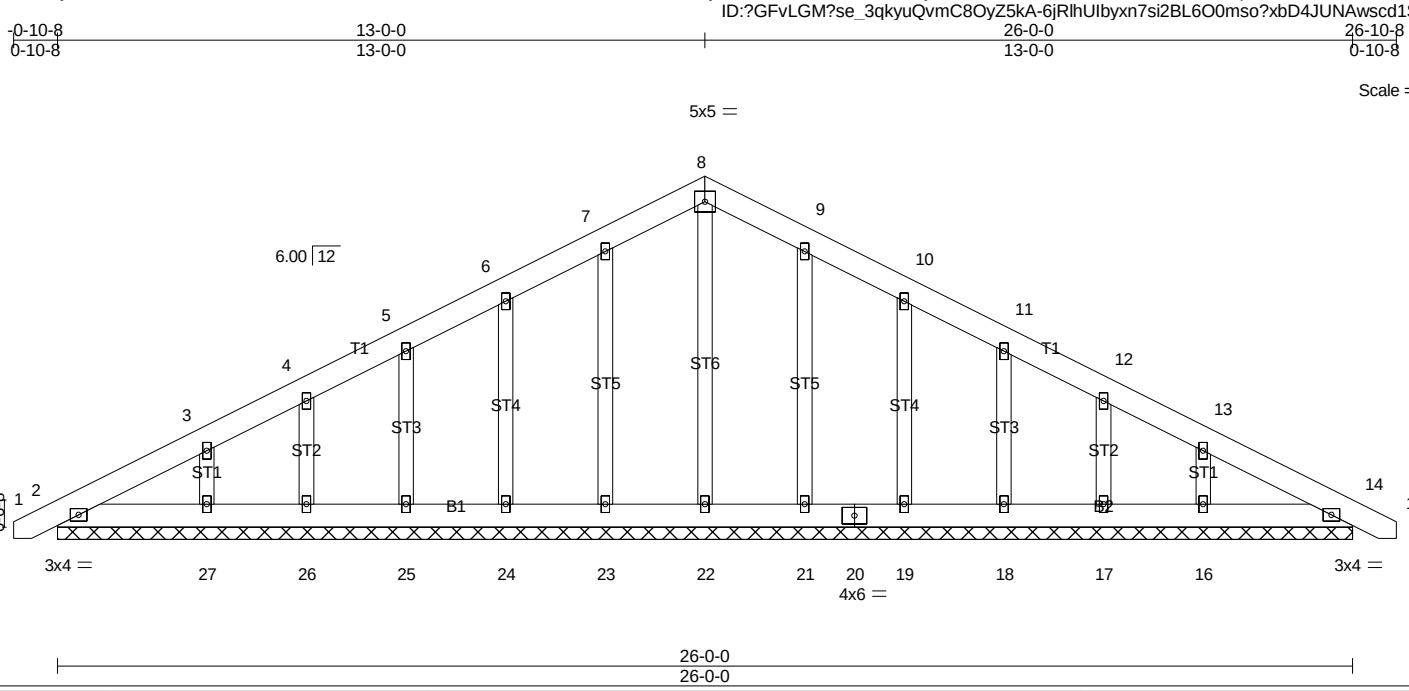


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.04	Vert(LL)	0.00	14	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	0.00	14	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	14	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 190 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.
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 26-0-0.
(lb) - Max Horz 2=139(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 2, 14, 23, 24, 25, 26, 21, 19, 18, 17 except 27=-103(LC 12), 16=-102(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 14, 22, 23, 24, 25, 26, 27, 21, 19, 18, 17, 16

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 7-8=-94/273, 8-9=-94/275

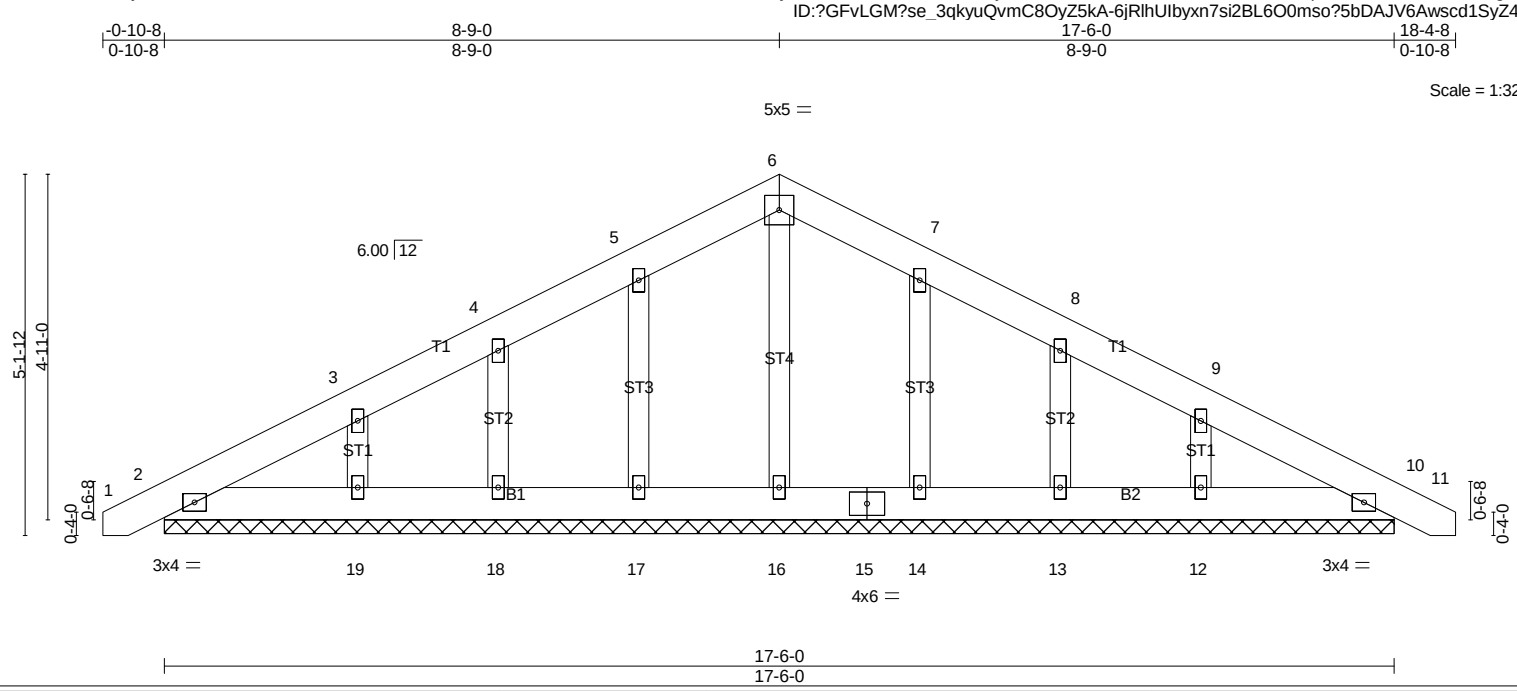
NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-8-6 to 3-8-7, Exterior(2) 3-8-7 to 13-0-0, Corner(3) 13-0-0 to 17-4-13, Exterior(2) 17-4-13 to 26-8-6 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 14, 23, 24, 25, 26, 21, 19, 18, 17 except (jt=lb) 27=103, 16=102.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver / Hall Residence / Harnett
J0923-5487	D1GE	COMMON SUPPORTED GAB	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Linwood Norris

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Thu Sep 28 15:17:37 2023 Page 1
ID:?GFvLGM?se_3qkyuQvmC8OyZ5kA-6jRlhUIbyxn7si2BL6O0mso?5bDAJV6Awscd1SyZ4Ei



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.03	Vert(LL)	0.00	10	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	0.00	10	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 116 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.
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 17-6-0.
(lb) - Max Horz 2=96(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 2, 17, 18, 19, 14, 13, 12, 10
Max Grav All reactions 250 lb or less at joint(s) 2, 16, 17, 18, 19, 14, 13, 12, 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 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-8-6 to 3-8-7, Exterior(2) 3-8-7 to 8-9-0, Corner(3) 8-9-0 to 13-1-13, Exterior(2) 13-1-13 to 18-2-6 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 17, 18, 19, 14, 13, 12, 10.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver / Hall Residence / Harnett
J0923-5487	M1	MONOPITCH	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Linwood Norris

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Thu Sep 28 15:17:38 2023 Page 1
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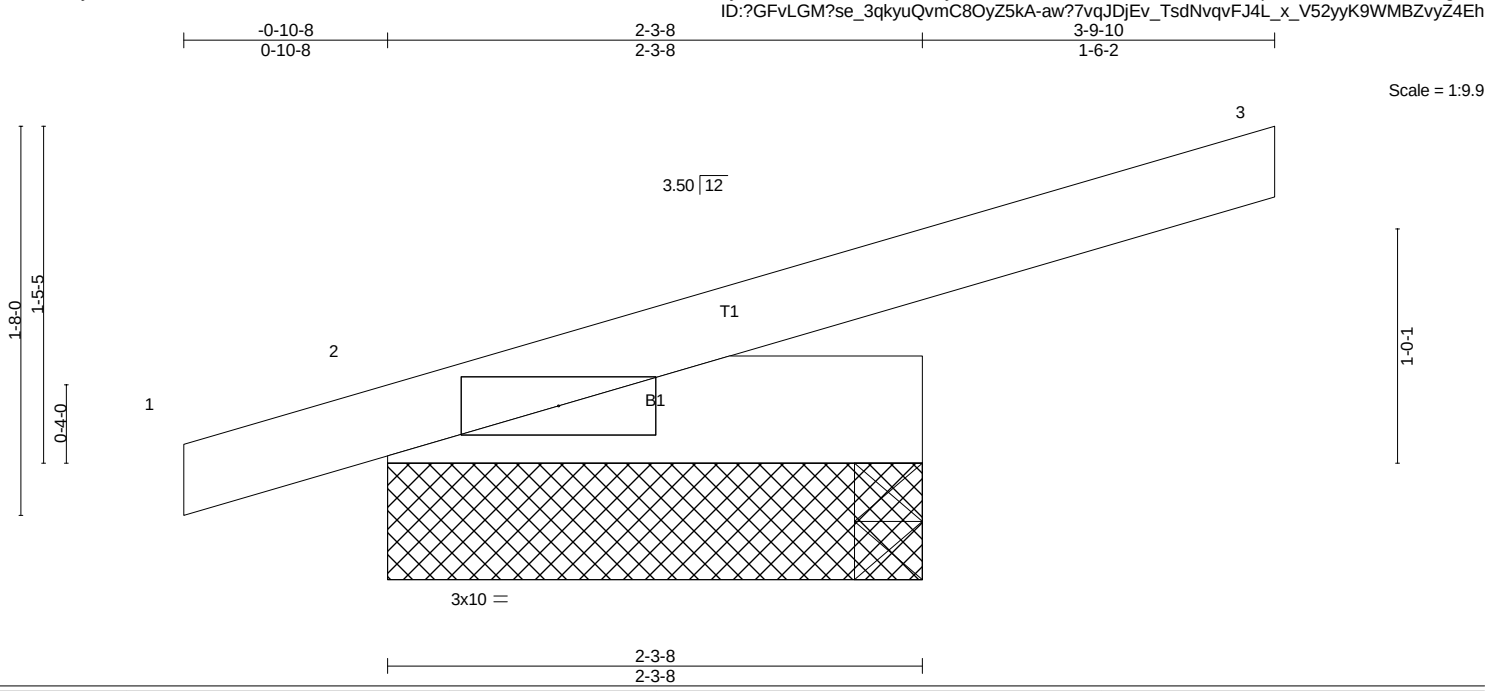

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.79	Vert(LL)	-0.00	2-4	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.30	Vert(CT)	-0.01	2-4	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 13 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-3-8 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=111/2-3-8 (min. 0-1-8), 4=213/0-3-8 (min. 0-1-8), 4=213/0-3-8 (min. 0-1-8)
Max Horz 2=85(LC 8)
Max Uplift2=-47(LC 8), 4=-163(LC 8)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=163.
5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard