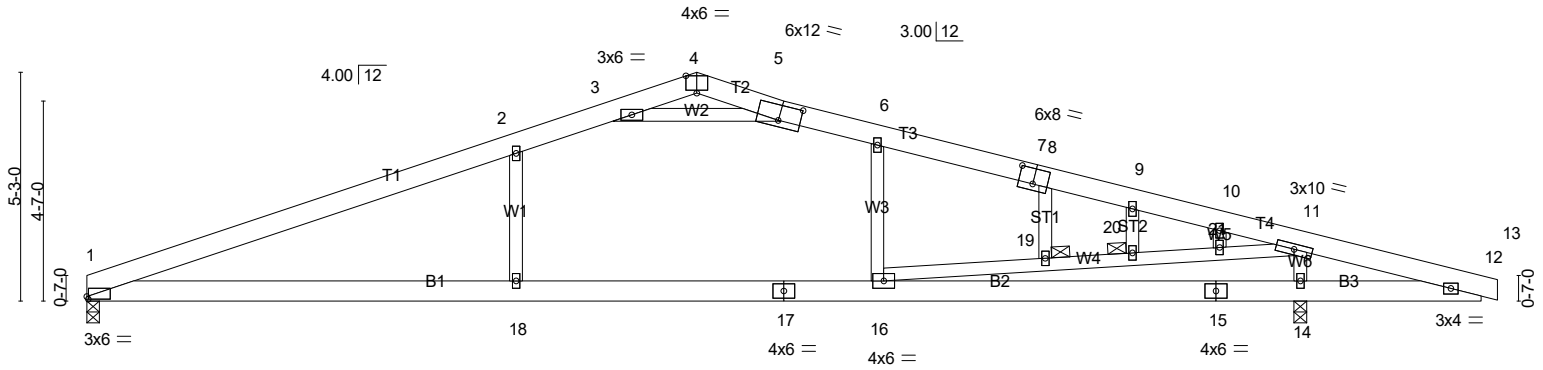
Job	Truss	Truss Type	Qty	Ply	109-23-115 Davis
J0523-2736	A1	GABLE	2	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, James Naylor — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Mon May 29 08:26:47 2023 Page 1
ID:0Kt2av17jyBVYy3or6GPekzBj4J-xXkWSkKwbq_xkSrnXeyL0nPOb8zlvz93nC7DRrzBins

7-6-7	14-0-0	16-0-0	23-3-11	27-10-4	32-0-0	32-4-8
7-6-7	6-5-9	2-0-0	7-3-11	4-6-9	4-1-12	0-4-8

Scale = 1:52.9



8-6-7	16-0-0	21-11-2	27-10-4	32-0-0
8-6-7	7-5-9	5-11-2	5-11-2	4-1-12

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

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.15	TC	0.84	Vert(LL)	-0.35	1-18	>946	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.58	Vert(CT)	-0.62	1-18	>538	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.85	Horz(CT)	0.03	14	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.38	1-18	>878	240	Weight: 189 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 2-6-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 19, 20

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

REACTIONS. (lb/size) 1=1080/0-3-8 (min. 0-1-8), 14=1491/0-3-8 (min. 0-1-12)
Max Horz 1=97(LC 12)
Max Uplift1=-251(LC 8), 14=-382(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-22=-2170/377, 2-22=-2072/398, 2-3=-1925/448, 3-4=-157/732, 4-5=-139/732, 5-6=-1944/452, 6-7=-2012/421, 7-8=-2015/409, 8-9=-2060/417, 9-10=-2080/407, 10-11=-2084/397
BOT CHORD 1-18=-325/1956, 18-23=-325/1956, 17-23=-325/1956, 17-24=-325/1956, 16-24=-325/1956
WEBS 2-18=0/348, 11-14=-1307/463, 16-19=-447/1847, 19-20=-444/1836, 20-21=-446/1838, 11-21=-447/1848, 3-5=-2731/618

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) 0-1-12 to 4-6-9, Interior(1) 4-6-9 to 14-0-0, Exterior(2) 14-0-0 to 15-11-4, Interior(1) 15-11-4 to 32-4-8 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) 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, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=251, 14=382.
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.

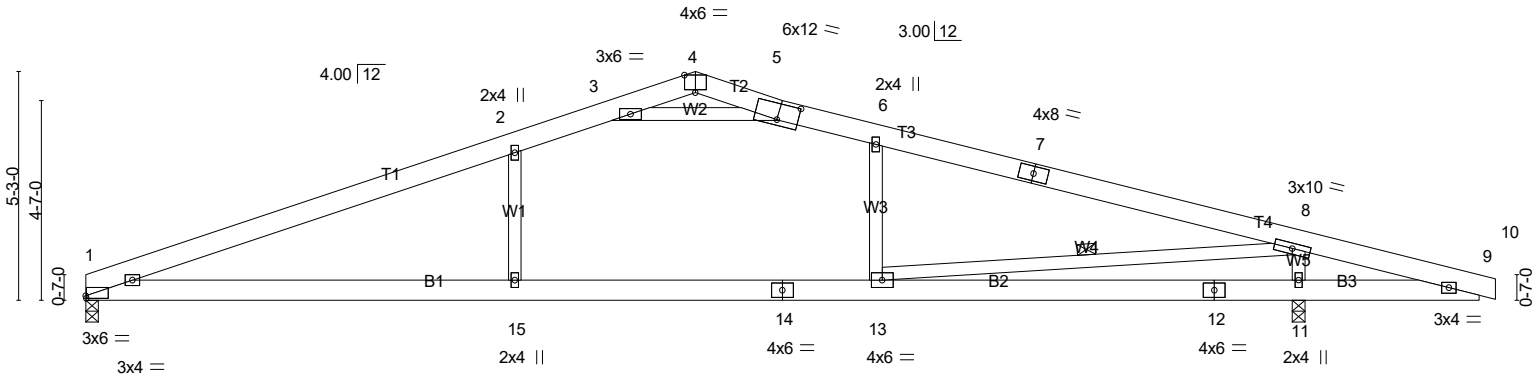
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	109-23-115 Davis
J0523-2736	A2	ROOF SPECIAL	2	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, James Naylor — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Mon May 29 08:26:47 2023 Page 1
ID:0Kt2av17jyBVYy3or6GPekzBj4J-xXkWSkKwbq_xkSrnXeyL0nPOU8zDv1r3nC7DRrzBins

7-6-7	14-0-0	16-0-0	23-3-11	27-10-4	32-0-0	32-4-8
7-6-7	6-5-9	2-0-0	7-3-11	4-6-9	4-1-12	0-4-8

Scale = 1:52.9



8-6-7	16-0-0	21-11-2	27-10-4	32-0-0
8-6-7	7-5-9	5-11-2	5-11-2	4-1-12

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.84	Vert(LL)	-0.36	1-15	>932	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.61	Vert(CT)	-0.62	1-15	>537	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.04	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.25	1-15	>999	240	Weight: 184 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 2-2-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 8-13

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

REACTIONS. (lb/size) 1=1080/0-3-8 (min. 0-1-8), 11=1491/0-3-8 (min. 0-1-12)
Max Horz 1=58(LC 12)
Max Uplift 1=-83(LC 8), 11=-240(LC 9)
Max Grav 1=1132(LC 2), 11=1491(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-16=-2378/321, 2-16=-2277/338, 2-3=-2111/395, 3-4=-87/801, 4-5=-92/803, 5-6=-2131/399, 6-7=-2216/354, 7-8=-2295/336, 8-9=-474/64
BOT CHORD 1-15=-236/2150, 14-15=-236/2150, 13-14=-236/2150, 12-13=-34/461, 11-12=-34/461, 9-11=-34/461
WEBS 2-15=0/426, 6-13=-35/305, 8-11=-1356/569, 8-13=-690/2083, 3-5=-2998/507

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) 0-1-12 to 4-6-9, Interior(1) 4-6-9 to 14-0-0, Exterior(2) 14-0-0 to 15-11-4, Interior(1) 15-11-4 to 32-4-8 zone; cantilever right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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 2-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 11=240.
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	109-23-115 Davis
J0523-2736	A3	Common	13	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, James Naylor

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Mon May 29 08:26:48 2023 Page 1
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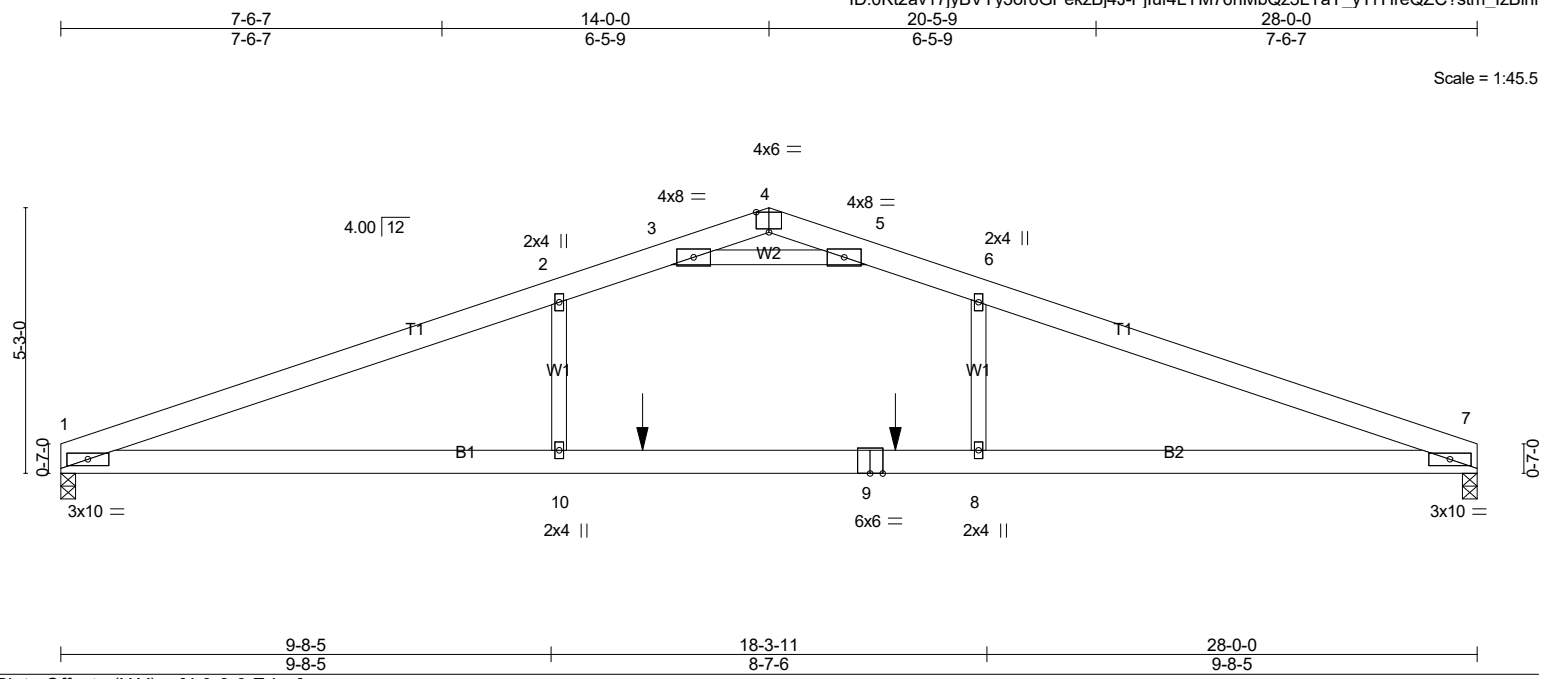

Plate Offsets (X,Y)-- [4:0-3-0,Edge]

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	0.95	Vert(LL)	-0.32	1-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.65	Vert(CT)	-0.58	8-10	>578	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.07	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.20	1-10	>999	240	Weight: 150 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 2-2-0 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=1208/0-3-8 (min. 0-1-8), 7=1208/0-3-8 (min. 0-1-8)
Max Horz 1=-57(LC 17)
Max Grav 1=1256(LC 2), 7=1256(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-2855/167, 2-11=-2755/190, 2-3=-2533/266, 3-4=-92/1417, 4-5=-92/1417, 5-6=-2533/266, 6-12=-2755/190, 7-12=-2855/168
BOT CHORD 1-10=-85/2601, 10-13=-85/2601, 9-13=-85/2601, 9-14=-85/2601, 8-14=-85/2601, 7-8=-85/2601
WEBS 2-10=0/584, 6-8=0/584, 3-5=-4098/364

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) 0-1-12 to 4-6-9, Interior(1) 4-6-9 to 14-0-0, Exterior(2) 14-0-0 to 18-1-12, Interior(1) 18-1-12 to 27-10-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 200.0lb AC unit load placed on the bottom chord, 14-0-0 from left end, supported at two points, 5-0-0 apart.
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 3-0-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
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	109-23-115 Davis
J0523-2736	A3P	Common	7	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, James Naylor — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Mon May 29 08:26:48 2023 Page 1
ID:0Kt2av17jyBVYy3or6GPekzBj4J-PjIuf4LYM76nMbQz5LTaY_yYjYK3eQfC?stm_IzBinr

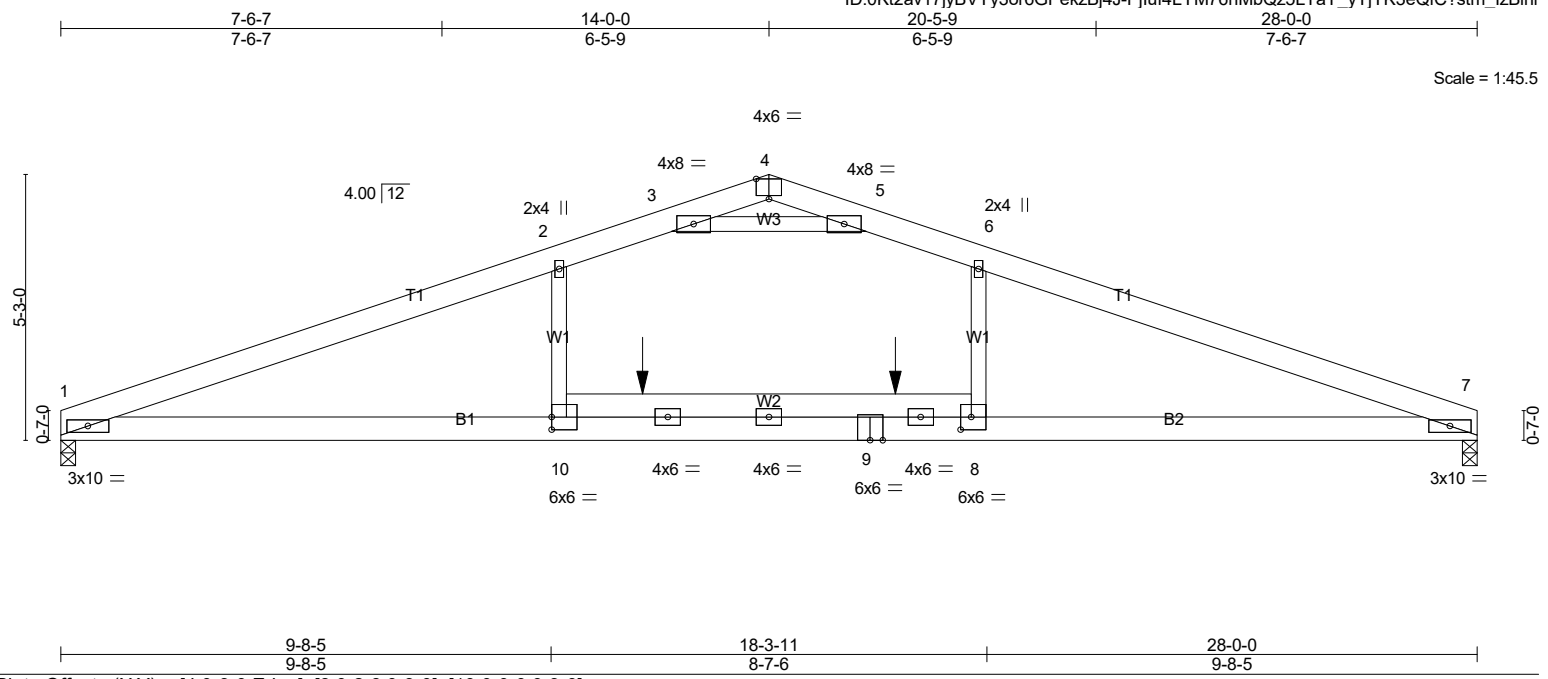

Plate Offsets (X,Y)-- [4:0-3-0,Edge], [8:0-2-8,0-3-0], [10:0-0-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.94	Vert(LL)	-0.31	7-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.58	Vert(CT)	-0.52	7-8	>639	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.06	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.19	7-8	>999	240	Weight: 168 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 2-2-0 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=1208/0-3-8 (min. 0-1-8), 7=1208/0-3-8 (min. 0-1-8)
Max Horz 1=57(LC 12)
Max Grav 1=1256(LC 2), 7=1256(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-2829/178, 2-11=-2730/200, 2-3=-2510/275, 3-4=-97/1409, 4-5=-97/1410, 5-6=-2510/275, 6-12=-2730/200, 7-12=-2829/178
BOT CHORD 1-10=-95/2577, 10-13=-100/2565, 9-13=-95/2578, 9-14=-97/2548, 8-14=-110/2534, 7-8=-95/2577
WEBS 2-10=0/582, 6-8=0/586, 3-5=-4066/378

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) 0-1-12 to 4-6-9, Interior(1) 4-6-9 to 14-0-0, Exterior(2) 14-0-0 to 18-1-12, Interior(1) 18-1-12 to 27-10-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 200.0lb AC unit load placed on the bottom chord, 14-0-0 from left end, supported at two points, 5-0-0 apart.
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 2-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
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	109-23-115 Davis
J0523-2736	A4	GABLE	2	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, James Naylor

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Mon May 29 08:26:49 2023 Page 1
ID:0Kt2av17jyBVYy3or6GPekzBj4J-twsHtQMA7REezI?9f3_p5CUw7xnwN4DMEWcJWkzBinq

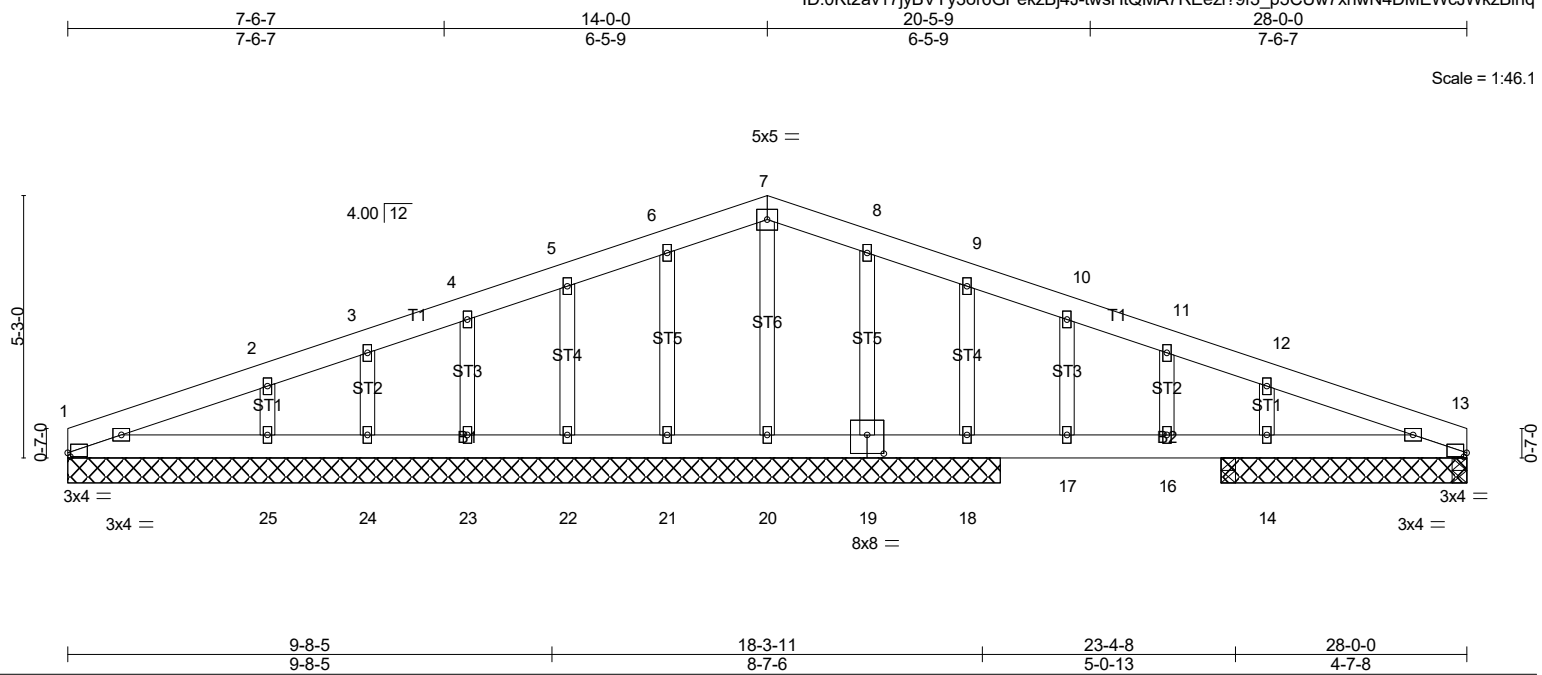

Plate Offsets (X,Y)-- [1:0-0-11,0-0-15], [13:0-0-11,0-0-15], [19:0-4-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.07	Vert(LL)	-0.00	17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	-0.01	17	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	13	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.00	17	>999	240	Weight: 177 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 18-8-0 except (jt=length) 13=0-3-8, 13=0-3-8, 14=4-11-0, 15=0-3-8.
(lb) - Max Horz 1=-57(LC 17)
Max Uplift All uplift 100 lb or less at joint(s) 1, 13, 21, 22, 23, 24, 25, 19, 18, 14, 15
Max Grav All reactions 250 lb or less at joint(s) 1, 13, 13, 20, 21, 22, 23, 24, 19, 14 except 25=323(LC 23), 18=365(LC 24), 15=277(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-25=-231/280, 12-14=-247/281

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 Corner(3) 0-0-0 to 4-4-13, Exterior(2) 4-4-13 to 14-0-0, Corner(3) 14-0-0 to 18-4-13, Exterior(2) 18-4-13 to 27-10-4 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 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) 1, 13, 21, 22, 23, 24, 25, 19, 18, 14, 15.
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