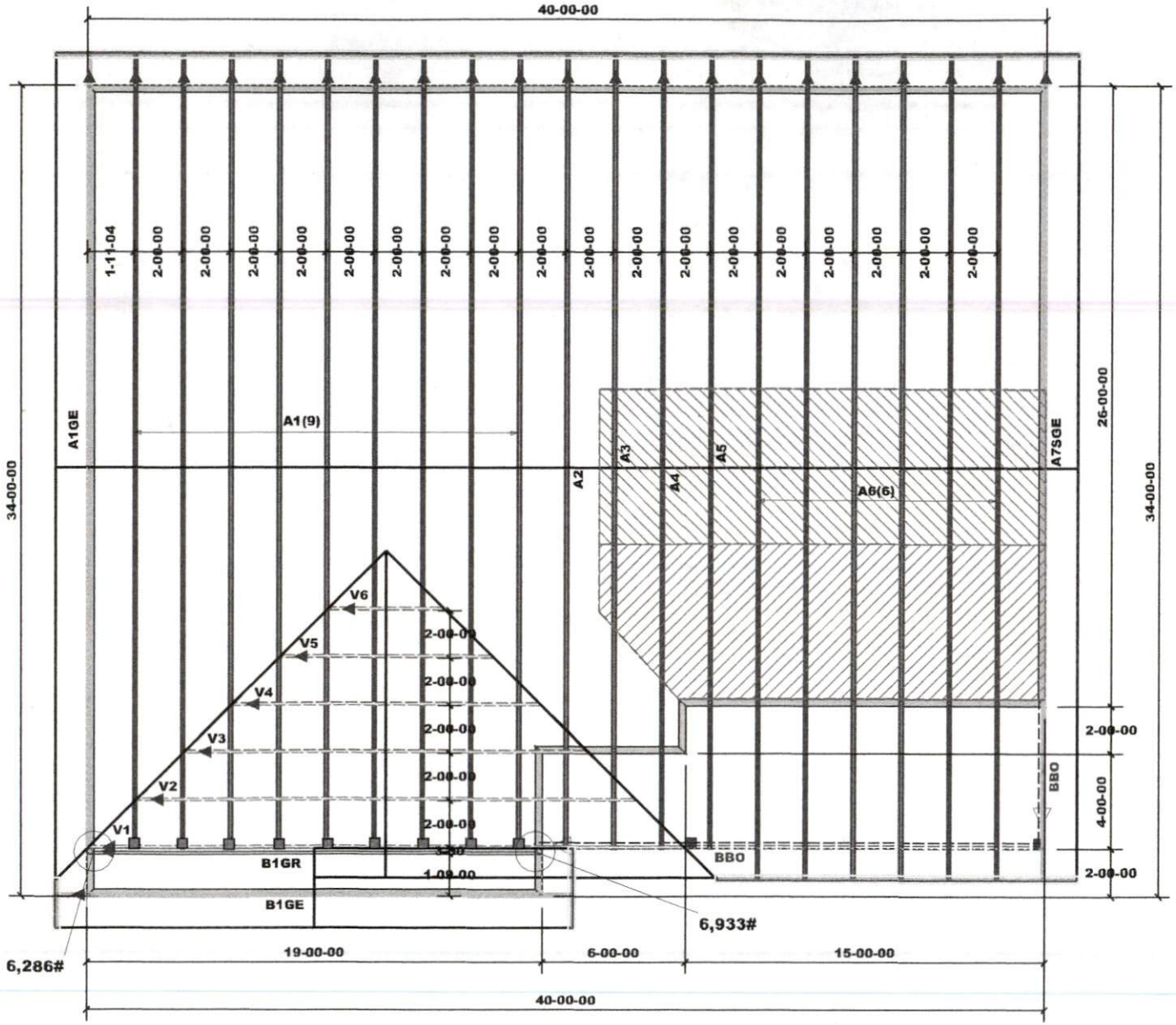
4694 McNeill Hobbs Rd.
Linden



Connector Information					Nail Information	
Sym	Product	Manuf	Qty	Supported Member	Header	Truss
■	HUS26	USP	9	NA	16d/3-1/2"	16d/3-1/2"

Hatch Legend

Vaulted Ceiling

Roof Area	= 1776.83 sq.ft.
Ridge Line	= 59.71 ft.
Hip Line	= 0 ft.
Horiz. OH	= 63 ft.
Raked OH	= 109.99 ft.
Decking	= 61 sheets

Truss Placement Plan
SCALE: NTS

▲ = Indicates Left End of Truss
(Reference Engineered Truss Drawing)
Do NOT Erect Truss Backwards

COMTECH
ROOF & FLOOR TRUSSES & BEAMS
Reilly Road Industrial Park
Fayetteville, N.C. 28309
Phone: (910) 864-8787
Fax: (910) 864-4444

Signature Sales Area

Sales Area

LOAD CHART FOR JACK STUDS

(BASED ON TABLES R502.5(1) & (2))
NUMBER OF JACK STUDS REQUIRED @ EA END OF HEADER/GIRDER

END REACTION (LB)	REQ'D JACK STUDS FOR 2-PLY HEADER	END REACTION (LB)	REQ'D JACK STUDS FOR 3-PLY HEADER	END REACTION (LB)	REQ'D JACK STUDS FOR 4-PLY HEADER
1700	1	2550	1	3400	1
3400	2	5100	2	6800	2
5100	3	7650	3	10200	3
6800	4	10200	4	13600	4
8500	5	12750	5	17000	5
10200	6	15300	6		
11900	7				
13600	8				
15300	9				

BUILDER	Thomas Prop. of Harnett Co.
JOB NAME	The Maple
PLAN	Plan
SEAL DATE	Seal Date
QUOTE #	Quote #
JOB #	J0524-2743
CITY / CO.	Site Address - City / Harnett
ADDRESS	Site Address
MODEL	Roof
DATE REV.	05/09/24
DRAWN BY	Sales Area
SALES REP.	Bob Lewis

THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. These trusses are designed as individual building components to be incorporated into the building design at the specification of the building designer. See individual design sheets for each truss design identified on the placement drawing. The building designer is responsible for temporary and permanent bracing of the roof and floor system and for the overall structure. The design of the truss support structure including headers, beams, walls, and columns is the responsibility of the building designer. For general guidance regarding bracing, consult BCSI-B1 and BCSI-B3 provided with the trusses delivery package or online @ sbcindustry.com

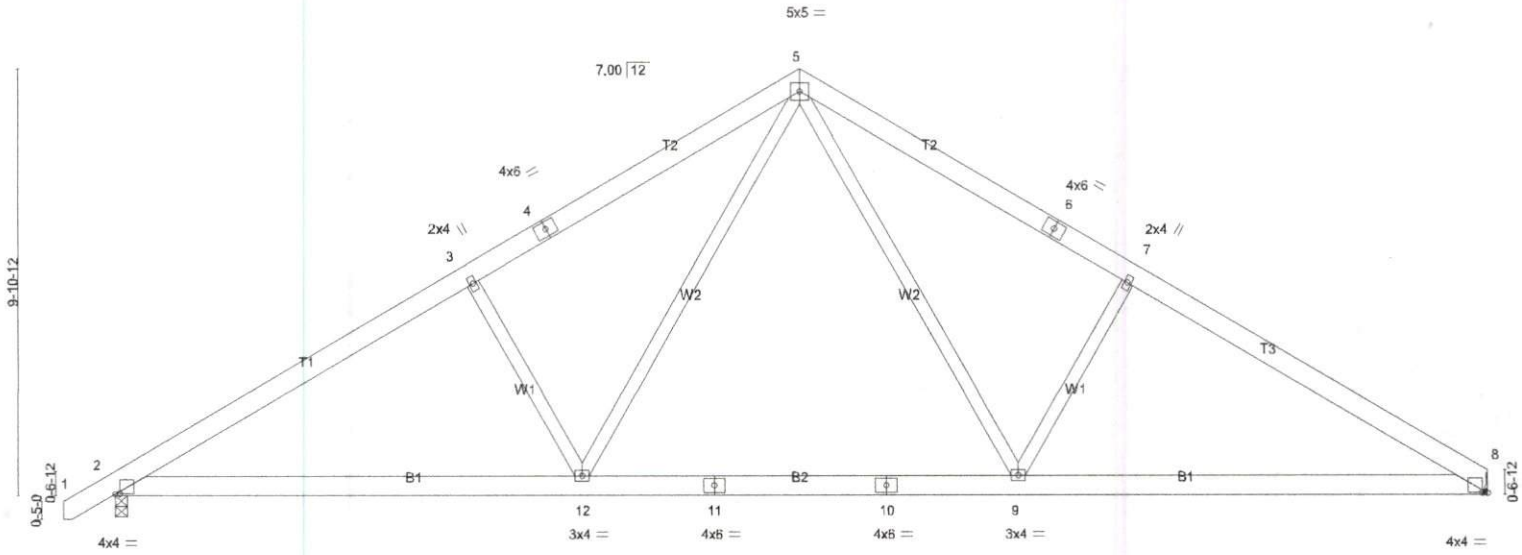
Job	Truss	Truss Type	Qty	Ply	The Maple
J0524-2743	A1	Common	9	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Simonson

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Thu May 9 09:04:42 2024 Page 1
ID:1dgIWIw8C2G_cfA_90RQW6zltmO-mdbxAl4NG1GvbP4ofa7UEWbPOvXu7juRwwdIh_zII6J

-1-2-8	8-4-6	16-0-0	23-7-10	32-0-0
1-2-8	8-4-6	7-7-10	7-7-10	8-4-6

Scale = 1:52.4



10-10-15	21-1-1	32-0-0
10-10-15	10-2-2	10-10-15

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	-0.17	9-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.49	Vert(CT)	-0.23	9-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.05	9-18	>999	240	Weight: 211 lb	FT = 25%

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.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 2=1348/0-3-8 (min. 0-1-12), 8=1279/Mechanical
Max Horz 2=234(LC 9)
Max Uplift2=-89(LC 12), 8=-73(LC 13)
Max Grav2=1484(LC 19), 8=1420(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-19=-2240/381, 3-19=-2186/411, 3-4=-2084/423, 4-20=-2000/439, 5-20=-1977/466, 5-21=-1981/479, 6-21=-2005/452, 6-7=-2089/437, 7-22=-2172/424, 8-22=-2245/398
BOT CHORD 2-23=-241/2032, 23-24=-241/2032, 12-24=-241/2032, 12-25=-42/1318, 11-25=-42/1318, 10-11=-42/1318, 10-26=-42/1318, 9-26=-42/1318, 9-27=-242/1870, 27-28=-242/1870, 8-28=-242/1870
WEBS 5-9=-144/1008, 7-9=-532/279, 5-12=-139/1002, 3-12=-533/278

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) -1-1-5 to 3-3-8, Interior(1) 3-3-8 to 16-0-0, Exterior(2) 16-0-0 to 20-4-13, Interior(1) 20-4-13 to 32-0-0 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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 89 lb uplift at joint 2 and 73 lb uplift at joint 8.
7) 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.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

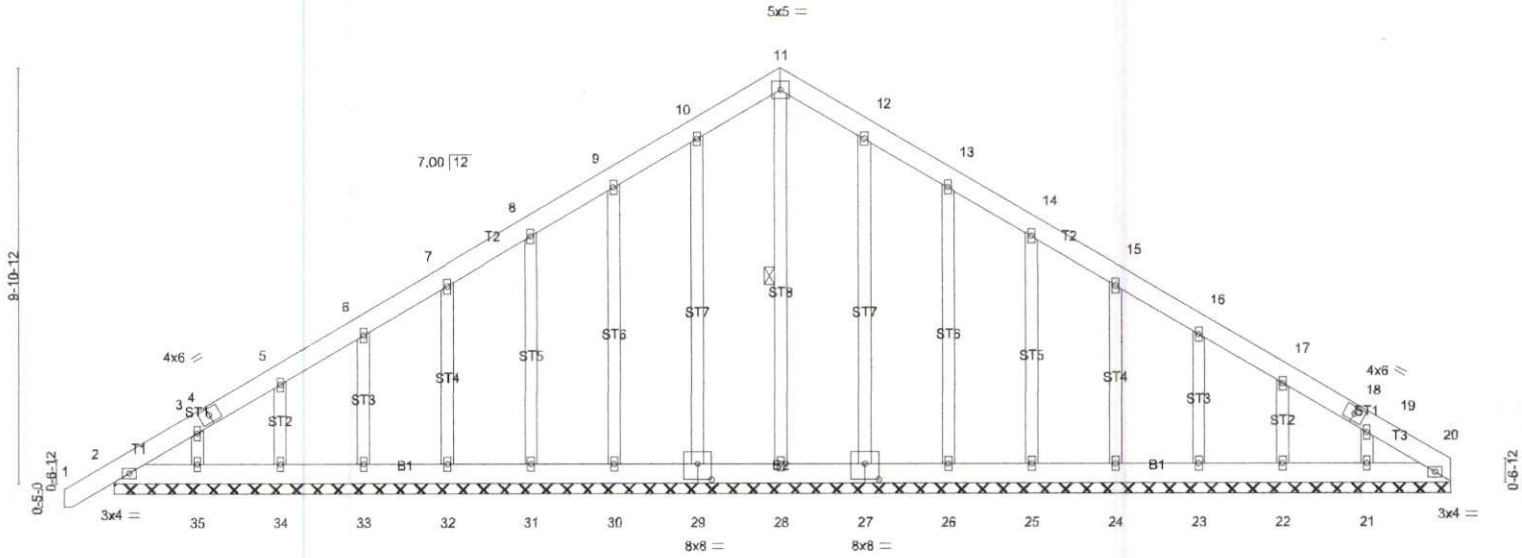
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	The Maple
J0524-2743	A1GE	COMMON SUPPORTED GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Simonson — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Thu May 9 09:04:43 2024 Page 1
ID:1dgIWlw8C2G_cfA_90RQW6zltmO-Fq9KNe401LOmDZf_DIejnj8dIJ_UsC5a9aNrDRzII6I

-1-2-8 / 1-2-8 — 16-0-0 / 16-0-0 — 32-0-0 / 16-0-0

Scale = 1:53.8



32-0-0 / 32-0-0

Plate Offsets (X,Y)-- [27:0-4-0,0-4-8], [29:0-4-0,0-4-8]

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	0.04	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	-0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.01	20	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 269 lb	FT = 25%

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.
WEBS 1 Row at midpt 11-28

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

REACTIONS. All bearings 32-0-0.
(lb) - Max Horz 2=293(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 2, 29, 30, 31, 32, 33, 34, 35, 27, 26, 25, 24, 23, 22, 21, 20
Max Grav All reactions 250 lb or less at joint(s) 2, 28, 29, 30, 31, 32, 33, 34, 35, 27, 26, 25, 24, 23, 22, 21, 20

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-277/215, 10-11=-230/257, 11-12=-230/257

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) -1-1-5 to 3-3-8, Exterior(2) 3-3-8 to 16-0-0, Corner(3) 16-0-0 to 20-4-13, Exterior(2) 20-4-13 to 32-0-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 29, 30, 31, 32, 33, 34, 35, 27, 26, 25, 24, 23, 22, 21, 20.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.
11) 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.

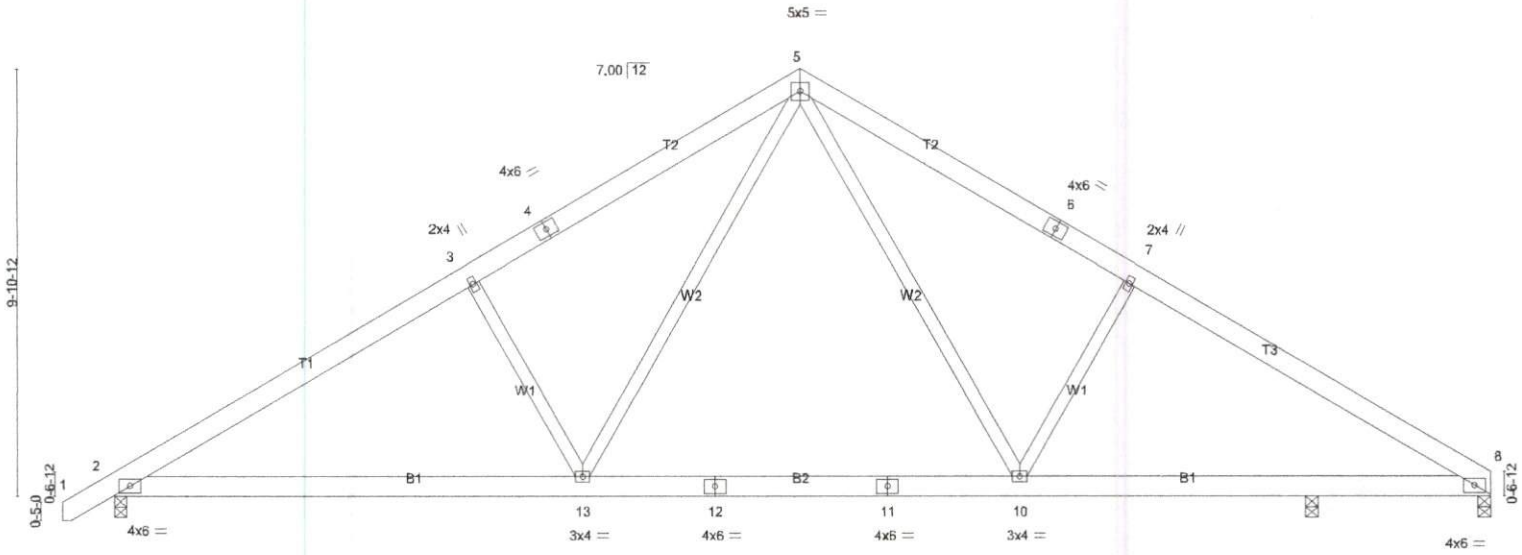
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	The Maple
J0524-2743	A2	COMMON	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Simonson — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Thu May 9 09:04:44 2024 Page 1
ID:1dglWlw8C2G_cfA_90RQW6zltmO-j0jibz5eofWdqjEBm?9yJxhl0jC1bdPkNE6PltzII6H

-1-2-8	8-4-6	16-0-0	23-7-10	32-0-0
1-2-8	8-4-6	7-7-10	7-7-10	8-4-6

Scale = 1:52.3



10-10-15	21-1-1	28-0-0	32-0-0
10-10-15	10-2-2	6-10-15	4-0-0

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	0.23	Vert(LL)	-0.17	10-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.26	10-13	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.05	13-16	>999	240	Weight: 211 lb	FT = 25%

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.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 2=1314/0-3-8 (min. 0-1-11), 8=1049/0-3-8 (min. 0-1-8), 9=264/0-3-8 (min. 0-1-8)
Max Horz 2=234(LC 9)
Max Uplift2=-93(LC 12), 8=-80(LC 13), 9=-4(LC 8)
Max Grav2=1452(LC 19), 8=1139(LC 20), 9=289(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-20=-2183/378, 3-20=-2128/408, 3-4=-2027/421, 4-21=-1943/436, 5-21=-1921/463, 5-22=-1800/461, 6-22=-1817/435, 6-7=-1902/419, 7-23=-1984/406, 8-23=-2078/380
BOT CHORD 2-24=-236/1982, 24-25=-236/1982, 13-25=-236/1982, 13-26=-35/1260, 12-26=-35/1260, 11-12=-35/1260, 11-27=-35/1260, 10-27=-35/1260, 10-28=-235/1685, 28-29=-235/1685, 9-29=-235/1685, 8-9=-235/1685
WEBS 5-10=-136/822, 7-10=-472/284, 5-13=-143/1024, 3-13=-528/278

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) -1-1-5 to 3-3-8, Interior(1) 3-3-8 to 16-0-0, Exterior(2) 16-0-0 to 20-4-13, Interior(1) 20-4-13 to 32-0-0 zone; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8, 9.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

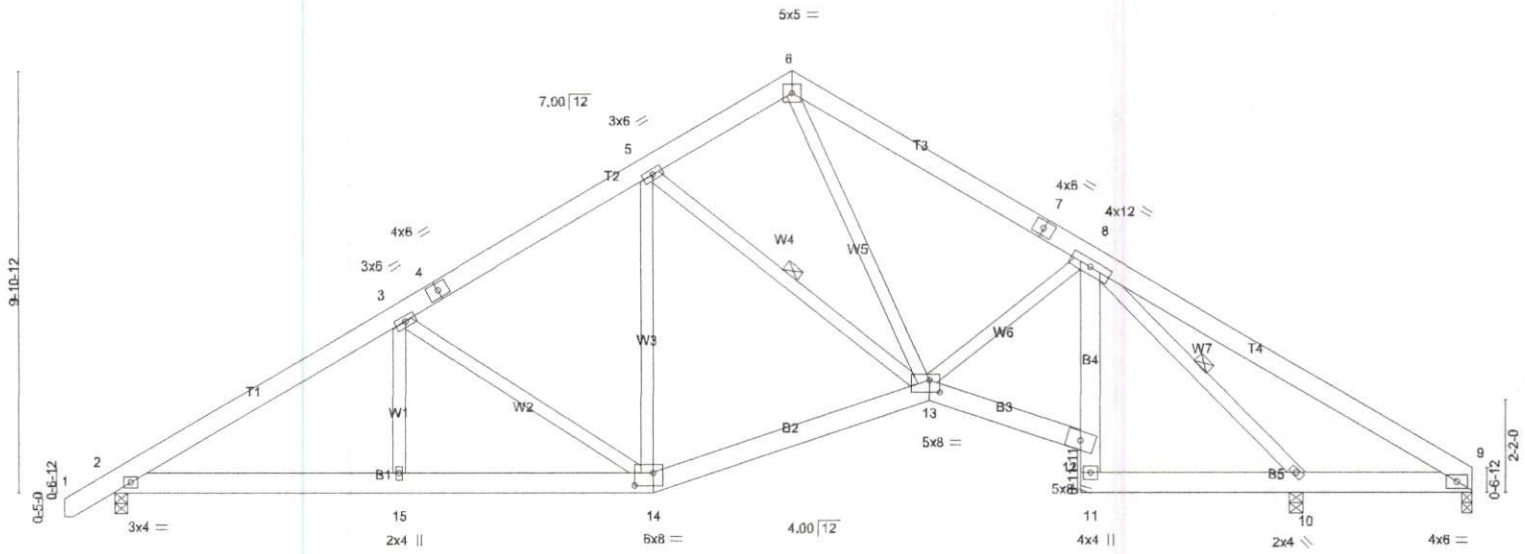
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	The Maple
J0524-2743	A3	ROOF SPECIAL	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Simonson — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Thu May 9 09:04:45 2024 Page 1
ID:1dgIWIw8C2G_cfA_90RQW6zltmO-BCH4oJ6GZyeUStpNKjhBs8Dwj6ajK1FtcusyHJzII6G

-1-2-8	6-8-10	12-8-8	16-0-0	22-9-7	32-0-0
1-2-8	6-8-10	5-11-14	3-3-8	6-9-7	9-2-9

Scale = 1:53.0



6-8-10	12-8-8	19-2-8	22-9-7	27-10-4	32-0-0
6-8-10	5-11-14	6-6-0	3-6-15	5-0-13	4-1-12

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

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	0.24	Vert(LL)	-0.05	12-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.42	Vert(CT)	-0.10	13-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.07	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.03	14	>999	240	Weight: 244 lb	FT = 25%

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.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-13, 8-10

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

REACTIONS. (lb/size) 2=1156/0-3-8 (min. 0-1-8), 9=-88/0-3-0 (min. 0-1-8), 10=1559/0-3-8 (min. 0-1-13)
Max Horz 2=234(LC 9)
Max Uplift2=-85(LC 12), 9=-148(LC 19), 10=-46(LC 13)
Max Grav2=1156(LC 1), 9=15(LC 12), 10=1559(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-22=-1722/320, 3-22=-1663/341, 3-4=-1258/297, 4-23=-1210/314, 5-23=-1194/329, 5-6=-945/291, 6-24=-1349/347, 7-24=-1395/312, 7-8=-1428/309, 8-25=-38/593, 9-25=-60/454
BOT CHORD 2-15=-192/1482, 14-15=-192/1482, 13-14=-64/1097, 12-13=-102/979, 8-12=-303/108, 10-11=-81/805, 9-10=-444/135
WEBS 3-15=0/261, 3-14=-604/179, 5-13=-421/175, 6-13=-186/948, 8-13=-19/371, 8-10=-1756/302

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) -1-1-5 to 3-3-8, Interior(1) 3-3-8 to 16-0-0, Exterior(2) 16-0-0 to 20-4-13, Interior(1) 20-4-13 to 32-0-0 zone; porch 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10 except (jt=lb) 9=148.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

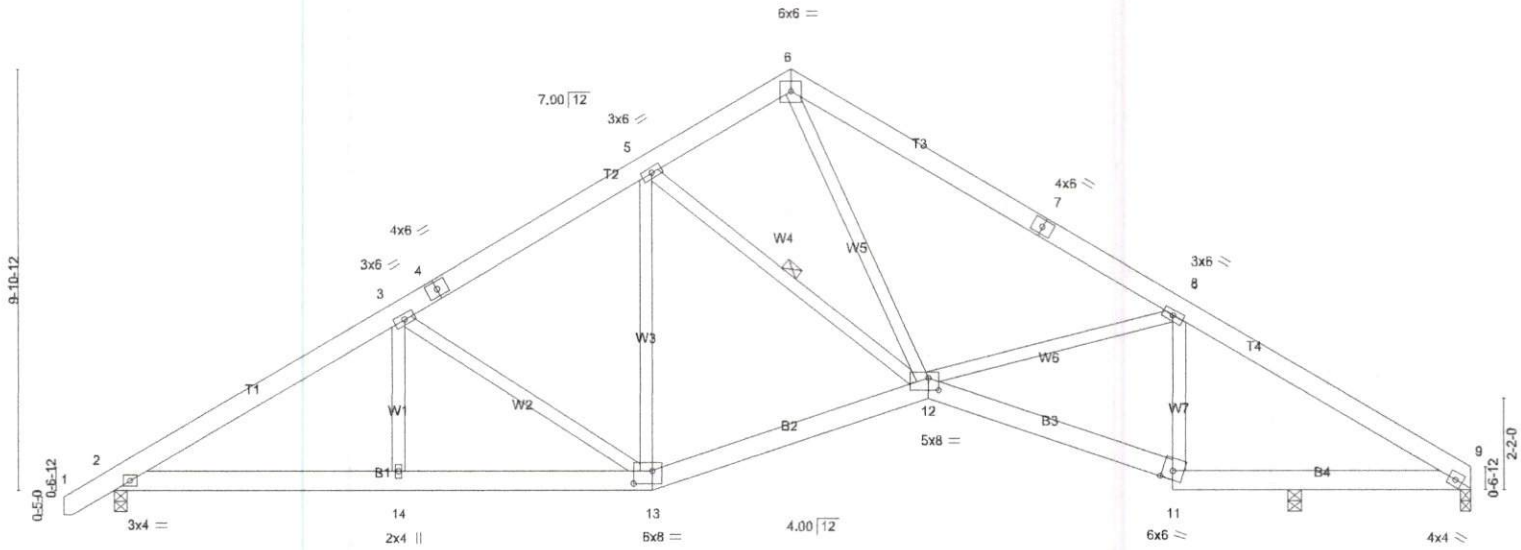
Job	Truss	Truss Type	Qty	Ply	The Maple
J0524-2743	A4	ROOF SPECIAL	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Simonson

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Thu May 9 09:04:45 2024 Page 1
ID:1dgIWIw8C2G_cfA_90RQW6zltmO-BCH4oJ6GZyeUStpNKjhBs8Dvb6ZwK1DtcusyHJzII6G

-1-2-8	6-8-10	12-8-8	16-0-0	23-7-10	24-11-15	32-0-0
1-2-8	6-8-10	5-11-14	3-3-8	7-7-10	1-4-5	7-0-1

Scale = 1:53.0



6-8-10	12-8-8	19-2-8	24-11-15	27-10-4	32-0-0
6-8-10	5-11-14	6-6-0	5-9-7	2-10-5	4-1-12

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

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	0.31	Vert(LL)	-0.07	11-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.47	Vert(CT)	-0.14	11-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.07	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.05	11-12	>999	240	Weight: 231 lb	FT = 25%

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.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-12

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

REACTIONS. (lb/size) 2=1299/0-3-8 (min. 0-1-9), 9=952/0-3-0 (min. 0-1-8), 10=375/0-3-8 (min. 0-1-8)
Max Horz 2=234(LC 9)
Max Uplift2=-90(LC 12), 9=-73(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-21=-2000/367, 3-21=-1941/388, 3-4=-1538/345, 4-22=-1474/362, 5-22=-1459/377, 5-6=-1298/358, 6-23=-1866/403, 7-23=-1869/377, 7-8=-2009/367, 8-24=-1631/369, 9-24=-1798/346
BOT CHORD 2-14=-233/1697, 13-14=-233/1697, 12-13=-105/1330, 11-12=-252/1575, 10-11=-230/1471, 9-10=-232/1477
WEBS 3-14=0/258, 3-13=-606/182, 5-12=-304/139, 6-12=-191/1276, 8-12=-52/268, 8-11=-603/193

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) -1-1-5 to 3-3-8, Interior(1) 3-3-8 to 16-0-0, Exterior(2) 16-0-0 to 20-4-13, Interior(1) 20-4-13 to 32-0-0 zone; porch 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 9.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

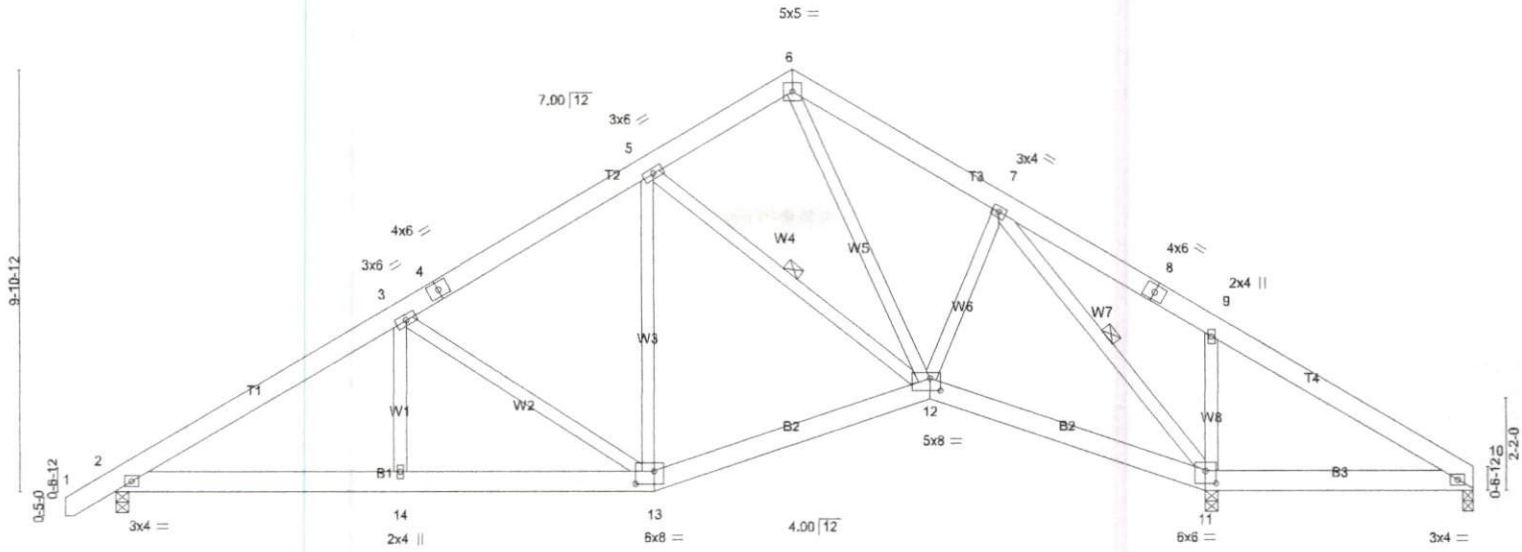
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	The Maple
J0524-2743	A5	ROOF SPECIAL	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Simonson — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Thu May 9 09:04:46 2024 Page 1
ID:1dgWIw8C2G_cfA_90RQW6zltmO-fPqS?f7uKGmL41OZuQCQOMm56WyB3UU1rYbWqlzII6F

-1-2-8	6-8-10	12-8-8	16-0-0	20-10-4	25-8-8	32-0-0
1-2-8	6-8-10	5-11-14	3-3-8	4-10-4	4-10-4	6-3-8

Scale = 1:53.0



6-8-10	12-8-8	19-2-8	25-8-8	25-10-4	32-0-0
6-8-10	5-11-14	6-6-0	6-6-0	0-1-12	6-1-12

Plate Offsets (X,Y)-- [11:0-3-0,0-3-8], [12:0-3-0,0-3-8], [13:0-5-4,0-3-8]

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	0.20	Vert(LL)	-0.03	13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.21	Vert(CT)	-0.07	12-13	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.04	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.02	11-20	>999	240	Weight: 239 lb	FT = 25%

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.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-12, 7-11

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

REACTIONS. (lb/size) 2=1050/0-3-8 (min. 0-1-8), 11=1516/0-3-8 (min. 0-1-13), 10=61/0-3-0 (min. 0-1-8)
Max Horz 2=234(LC 9)
Max Uplift2=-77(LC 12), 11=-90(LC 13), 10=-91(LC 8)
Max Grav 2=1050(LC 1), 11=1516(LC 1), 10=125(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-21=-1517/265, 3-21=-1458/286, 3-4=-1052/244, 4-22=-996/260, 5-22=-979/275, 5-6=-669/216, 6-23=-929/243, 7-23=-936/214, 7-8=0/320, 9-24=-66/353, 10-24=-93/307
BOT CHORD 2-14=-143/1327, 13-14=-143/1327, 12-13=-20/932, 11-12=0/673, 10-11=-322/130
WEBS 3-14=0/263, 3-13=-605/178, 5-13=-30/259, 5-12=-499/203, 6-12=-110/593, 7-12=0/422, 7-11=-1431/123, 9-11=-444/266

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) -1-1-5 to 3-3-8, Interior(1) 3-3-8 to 16-0-0, Exterior(2) 16-0-0 to 20-4-13, Interior(1) 20-4-13 to 32-0-0 zone; porch 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 11, 10.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

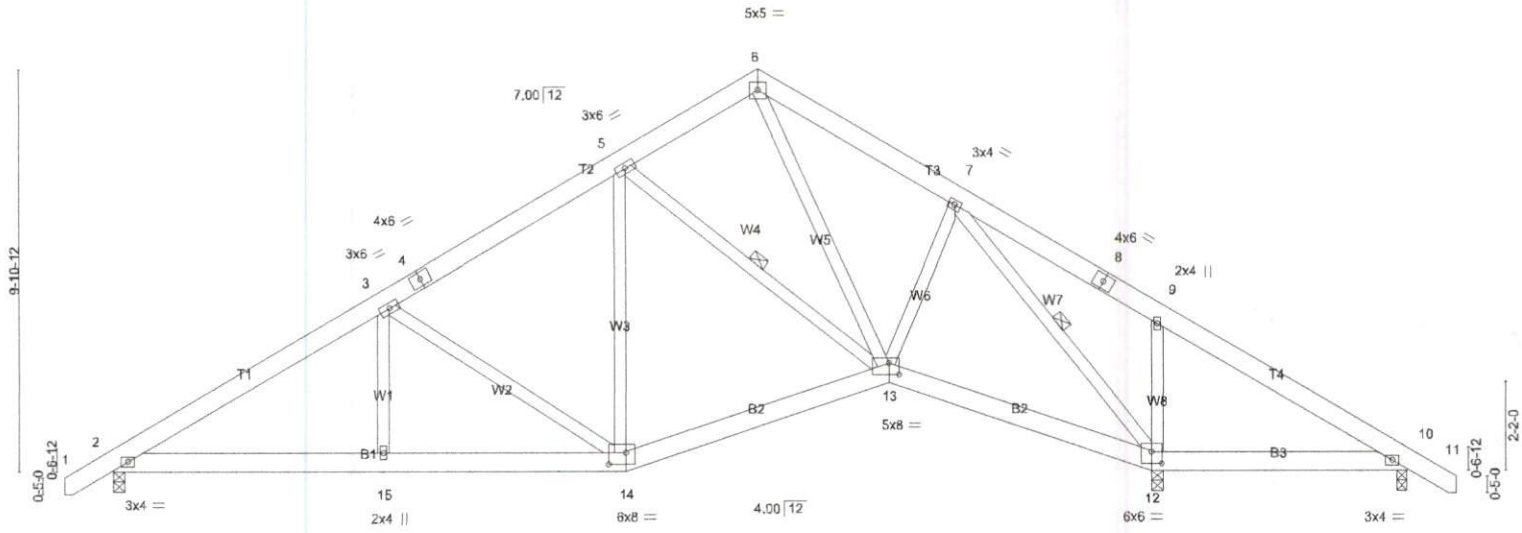
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	The Maple
J0524-2743	A6	Roof Special	6	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Simonson — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Thu May 9 09:04:47 2024 Page 1
ID:1dgfWIw8C2G_cfA_90RQW6zltmO-7bOqD?8W5auChAzlS8jfxZJGvwlQoxjA4CL3MCzII6E

-1-2-8	6-8-10	12-8-8	16-0-0	20-10-4	25-8-8	32-0-0	33-2-8
1-2-8	6-8-10	5-11-14	3-3-8	4-10-4	4-10-4	6-3-8	1-2-8

Scale = 1:55.5



6-8-10	12-8-8	19-2-8	25-8-8	25-10-4	32-0-0
6-8-10	5-11-14	6-6-0	6-6-0	0-1-12	6-1-12

Plate Offsets (X,Y)-- [12:0-3-0,0-3-8], [13:0-3-0,0-3-8], [14:0-5-4,0-3-8]

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	0.19	Vert(LL)	-0.03	14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.21	Vert(CT)	-0.07	13-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.04	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.02	15	>999	240	Weight: 242 lb	FT = 25%

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.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-13, 7-12

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

REACTIONS. (lb/size) 2=1050/0-3-8 (min. 0-1-8), 12=1510/0-3-8 (min. 0-1-13), 10=134/0-3-0 (min. 0-1-8)
Max Horz 2=-239(LC 10)
Max Uplift2=-77(LC 12), 12=-83(LC 13), 10=-31(LC 8)
Max Grav 2=1050(LC 1), 12=1510(LC 1), 10=197(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-22=-1517/270, 3-22=-1458/290, 3-4=-1052/248, 4-23=-998/264, 5-23=-981/279, 5-6=-669/218, 6-24=-929/249, 7-24=-936/219, 7-8=0/321, 9-25=-81/354, 10-25=-96/312
BOT CHORD 2-15=-124/1333, 14-15=-124/1333, 13-14=-11/939, 12-13=0/673, 10-12=-333/177
WEBS 3-15=0/263, 3-14=-605/178, 5-14=-33/259, 5-13=-505/211, 6-13=-116/594, 7-13=0/423, 7-12=-1435/148, 9-12=-452/214

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) -1-1-5 to 3-3-8, Interior(1) 3-3-8 to 16-0-0, Exterior(2) 16-0-0 to 20-4-13, Interior(1) 20-4-13 to 33-1-5 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12, 10.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

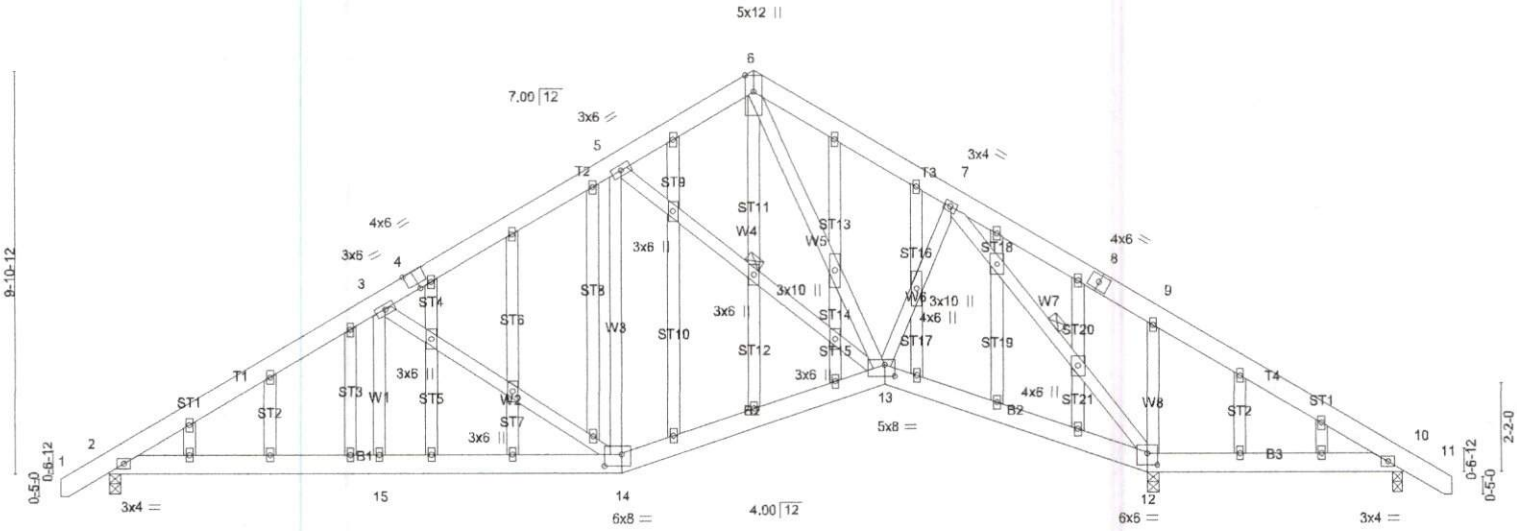
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	The Maple
J0524-2743	A7SGE	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Simonson — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Thu May 9 09:04:47 2024 Page 1
ID:1dgIWlw8C2G_cfA_90RQW6zltmO-7bOqD?8W5auChAzlS8jfxZJGvwlQoxjA4CL3MCzlI6E

-1-2-8	6-8-10	12-8-8	16-0-0	20-10-4	25-8-8	32-0-0	33-2-8
1-2-8	6-8-10	5-11-14	3-3-8	4-10-4	4-10-4	6-3-8	1-2-8

Scale = 1:55.5



6-8-10	12-8-8	19-2-8	25-8-8	25-10-4	32-0-0
6-8-10	5-11-14	6-6-0	6-6-0	0-1-12	6-1-12

Plate Offsets (X,Y)-- [4:0-3-0,Edge], [12:0-3-0,0-3-8], [13:0-3-0,0-3-8], [14:0-5-4,0-3-8]

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	0.19	Vert(LL)	-0.03	14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.21	Vert(CT)	-0.07	13-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.04	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.03	15-54	>999	240	Weight: 328 lb	FT = 25%

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.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 5-13, 7-12

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

REACTIONS. (lb/size) 2=1050/0-3-8 (min. 0-1-8), 12=1510/0-3-8 (min. 0-1-13), 10=134/0-3-0 (min. 0-1-8)
Max Horz 2=-299(LC 10)
Max Uplift2=-239(LC 12), 12=-290(LC 13), 10=-114(LC 8)
Max Grav 2=1050(LC 1), 12=1510(LC 1), 10=197(LC 24)

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

TOP CHORD	2-58=-1517/293, 3-58=-1458/314, 3-4=-1052/246, 4-59=-998/262, 5-59=-982/278, 5-6=-670/214, 6-60=-931/241, 7-60=-936/212, 7-8=0/338, 9-61=-81/354, 10-61=-110/314
BOT CHORD	2-15=-338/1377, 14-15=-338/1377, 13-14=-138/971, 12-13=0/681, 10-12=-336/159
WEBS	3-15=0/263, 3-14=-605/264, 5-14=-35/259, 5-13=-504/250, 6-13=-125/595, 7-13=-20/448, 7-12=-1435/212, 9-12=-446/281

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) gable end zone and C-C Exterior(2) -1-1-5 to 3-3-8, Interior(1) 3-3-8 to 16-0-0, Exterior(2) 16-0-0 to 20-4-13, Interior(1) 20-4-13 to 33-1-5 zone; porch 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=239, 12=290, 10=114.
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.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

Continued on page 2

LOAD CASE(S) Standard

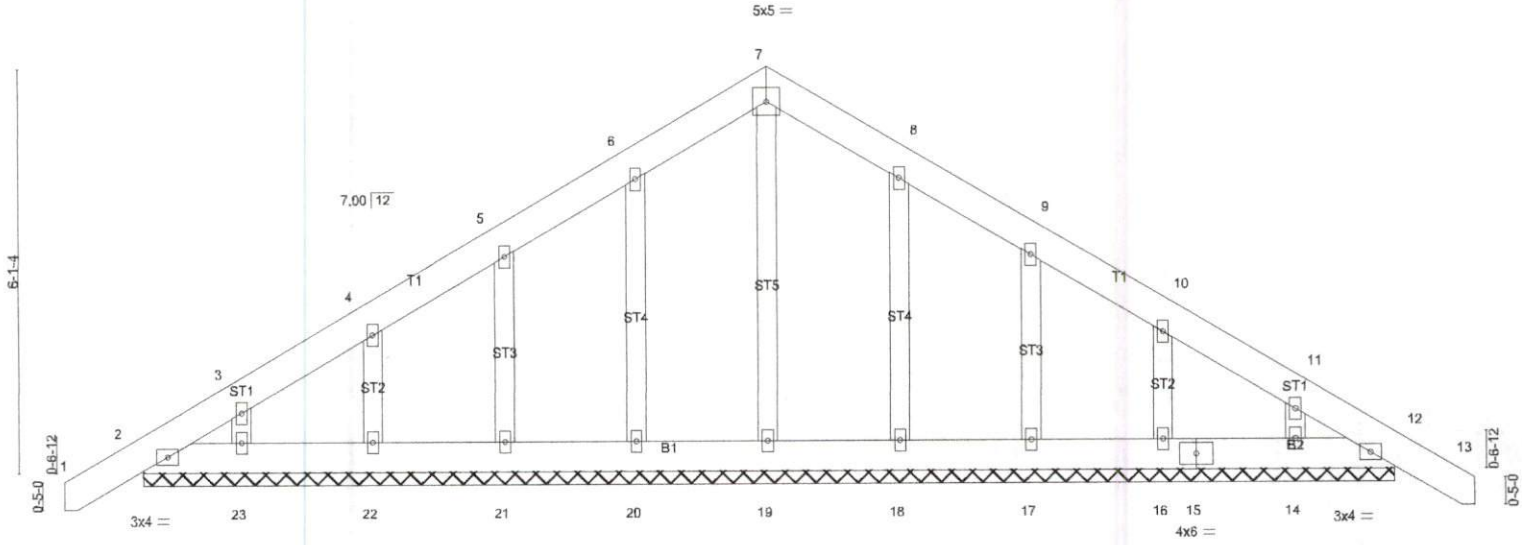
Job	Truss	Truss Type	Qty	Ply	The Maple
J0524-2743	B1GE	COMMON SUPPORTED GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Simonson

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Thu May 9 09:04:49 2024 Page 1
ID:1dgfWIw8C2G_cfA_90RQW6zltmO-3_Wbeh9mdB8vxU78ZYl70_Ofyk1yGx9TXWqAQ4zII6C

-1-2-8 | 9-6-0 | 19-0-0 | 20-2-8
1-2-8 | 9-6-0 | 9-6-0 | 1-2-8

Scale = 1:34.1



19-0-0
19-0-0

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	0.03	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	0.06	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 138 lb	FT = 25%

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 19-0-0.
(lb) - Max Horz 2=-185(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 20, 21, 22, 23, 18, 17, 16, 14, 12
Max Grav All reactions 250 lb or less at joint(s) 2, 19, 20, 21, 22, 23, 18, 17, 16, 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 7-10; 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) -1-1-5 to 3-6-0, Exterior(2) 3-6-0 to 9-6-0, Corner(3) 9-6-0 to 13-10-13, Exterior(2) 13-10-13 to 20-1-5 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, 20, 21, 22, 23, 18, 17, 16, 14, 12.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 12.
11) 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

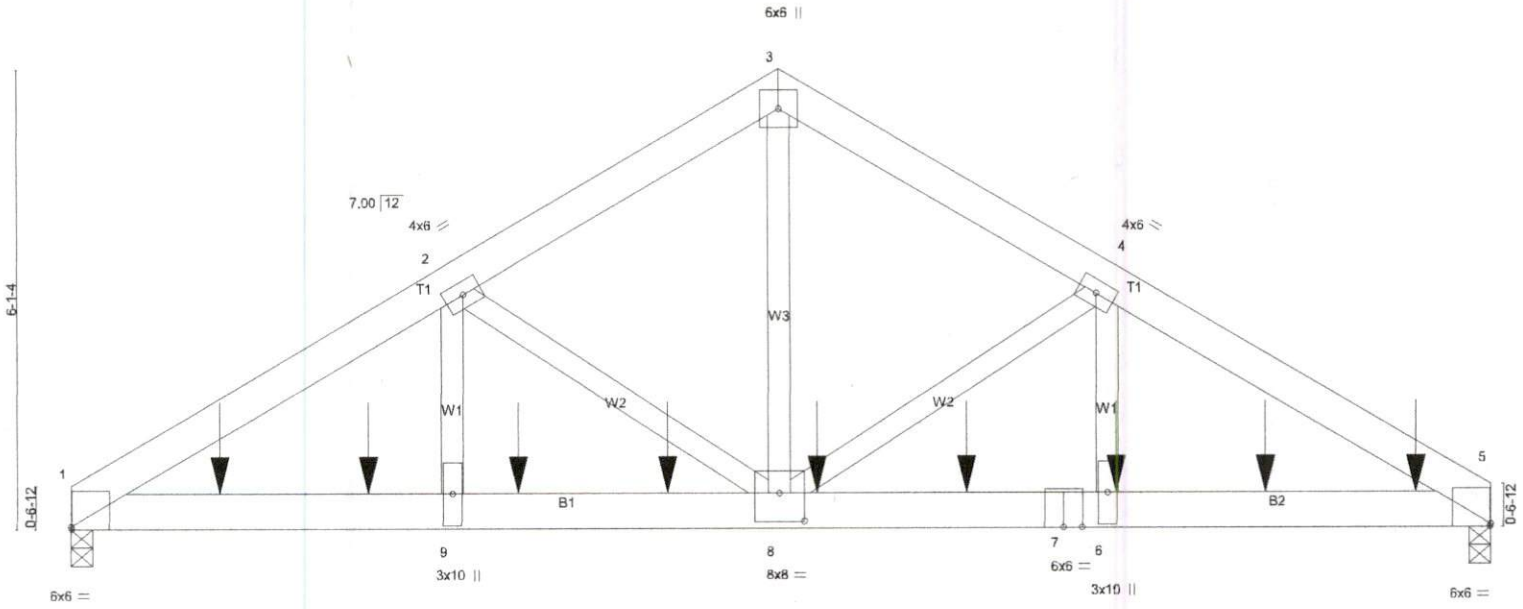
Job	Truss	Truss Type	Qty	Ply	
J0524-2743	B1GR	Common Girder	1	2	The Maple Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Simonson

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Thu May 9 09:04:50 2024 Page 1
ID:1dgIWIw8C2G_cfA_90RQW6zltmO-XA4zr1APOVGmYehK7GGMZCxlG7Fr?CMcmAZjzXzII6B

5-1-6	9-6-0	13-10-10	19-0-0
5-1-6	4-4-10	4-4-10	5-1-6

Scale = 1:30.0



5-1-6	9-6-0	13-10-10	19-0-0
5-1-6	4-4-10	4-4-10	5-1-6

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

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.15	TC	0.38	Vert(LL)	-0.09	6-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.55	Vert(CT)	-0.17	6-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.83	Horz(CT)	0.06	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.06	6-8	>999	240	Weight: 254 lb	FT = 25%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SP No.2

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

REACTIONS. (lb/size) 1=6117/0-3-8 (min. 0-2-10), 5=6733/0-3-8 (min. 0-2-14)
Max Horz 1=-133(LC 23)
Max Uplift1=-404(LC 8), 5=-446(LC 9)
Max Grav1=6286(LC 2), 5=6933(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-10090/660, 2-3=-7053/501, 3-4=-7054/501, 4-5=-10085/660
BOT CHORD 1-16=-576/8715, 16-17=-576/8715, 9-17=-576/8715, 9-18=-576/8715, 18-19=-576/8715, 8-19=-576/8715, 8-20=-510/8711, 20-21=-510/8711, 7-21=-510/8711, 6-7=-510/8711, 6-22=-510/8711, 5-22=-510/8711
WEBS 3-8=-423/6755, 4-8=-3215/295, 4-6=-149/3113, 2-8=-3221/294, 2-9=-150/3129

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 0-7-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=404, 5=446.
8) 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.

Continued on page 2

NOTES-

9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1321 lb down and 93 lb up at 2-0-0, 1321 lb down and 93 lb up at 4-0-0, 1321 lb down and 93 lb up at 6-0-0, 1321 lb down and 93 lb up at 8-0-0, 1321 lb down and 93 lb up at 10-0-0, 1321 lb down and 93 lb up at 12-0-0, 1321 lb down and 93 lb up at 14-0-0, and 1321 lb down and 93 lb up at 16-0-0, and 1321 lb down and 93 lb up at 18-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-3=-60, 3-5=-60, 10-13=-20
   Concentrated Loads (lb)
   Vert: 6=-1259(B) 15=-1259(B) 16=-1259(B) 17=-1259(B) 18=-1259(B) 19=-1259(B) 20=-1259(B) 21=-1259(B) 22=-1259(B)

Job	Truss	Truss Type	Qty	Ply	The Maple
J0524-2743	V1	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Simonson

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Thu May 9 09:04:51 2024 Page 1
ID:1dgIWIw8C2G_cfA_90RQW6zltmO-0MeL3NB19oOdAoGXhznb5PT?FXjKkqkm_qJHVzzII6A

12-5-2 | 24-10-4
12-5-2 | 12-5-2

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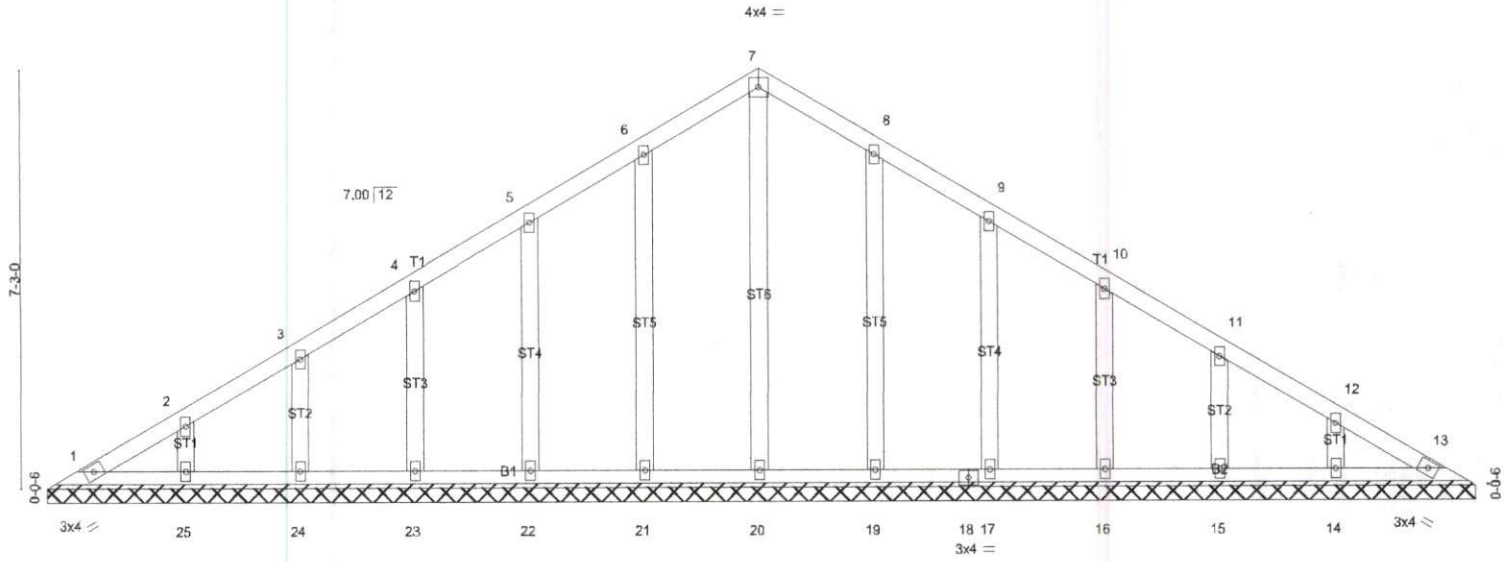

24-10-4
24-10-4

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	0.04	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.00	13	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 135 lb	FT = 25%

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 24-10-4.
(lb) - Max Horz 1=-208(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 13, 21, 22, 23, 24, 25, 19, 17, 16, 15, 14
Max Grav All reactions 250 lb or less at joint(s) 1, 13, 20, 21, 22, 23, 24, 25, 19, 17, 16, 15, 14

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 Exterior(2) 0-6-12 to 4-11-9, Interior(1) 4-11-9 to 12-5-2, Exterior(2) 12-5-2 to 16-9-15, Interior(1) 16-9-15 to 24-3-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) 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, 17, 16, 15, 14.
8) 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	The Maple
J0524-2743	V2	VALLEY	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Simonson

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Thu May 9 09:04:52 2024 Page 1
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10-5-2 / 10-5-2 | 20-10-4 / 10-5-2

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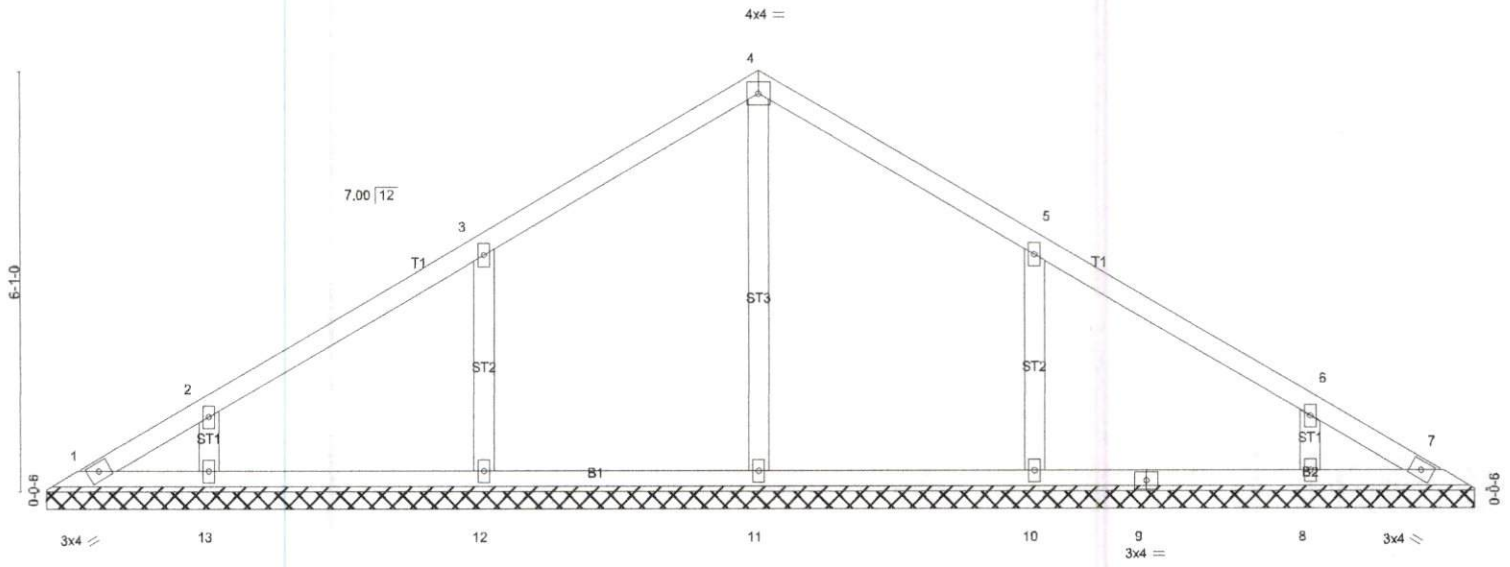

20-9-10 / 20-9-10 | 20-10-4 / 0-0-10

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

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	0.16	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 85 lb	FT = 25%

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 20-9-0.
(lb) - Max Horz 1=138(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 1, 7, 12, 13, 10, 8
Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 11=448(LC 19), 12=429(LC 19), 13=267(LC 19), 10=428(LC 20), 8=267(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-12=-302/191, 5-10=-302/191

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) 0-6-12 to 4-11-9, Interior(1) 4-11-9 to 10-5-2, Exterior(2) 10-5-2 to 14-9-15, Interior(1) 14-9-15 to 20-3-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7, 12, 13, 10, 8.
8) 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	The Maple
J0524-2743	V3	VALLEY	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Simonson

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Thu May 9 09:04:52 2024 Page 1
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8-5-2 / 8-5-2 | 16-10-4 / 8-5-2

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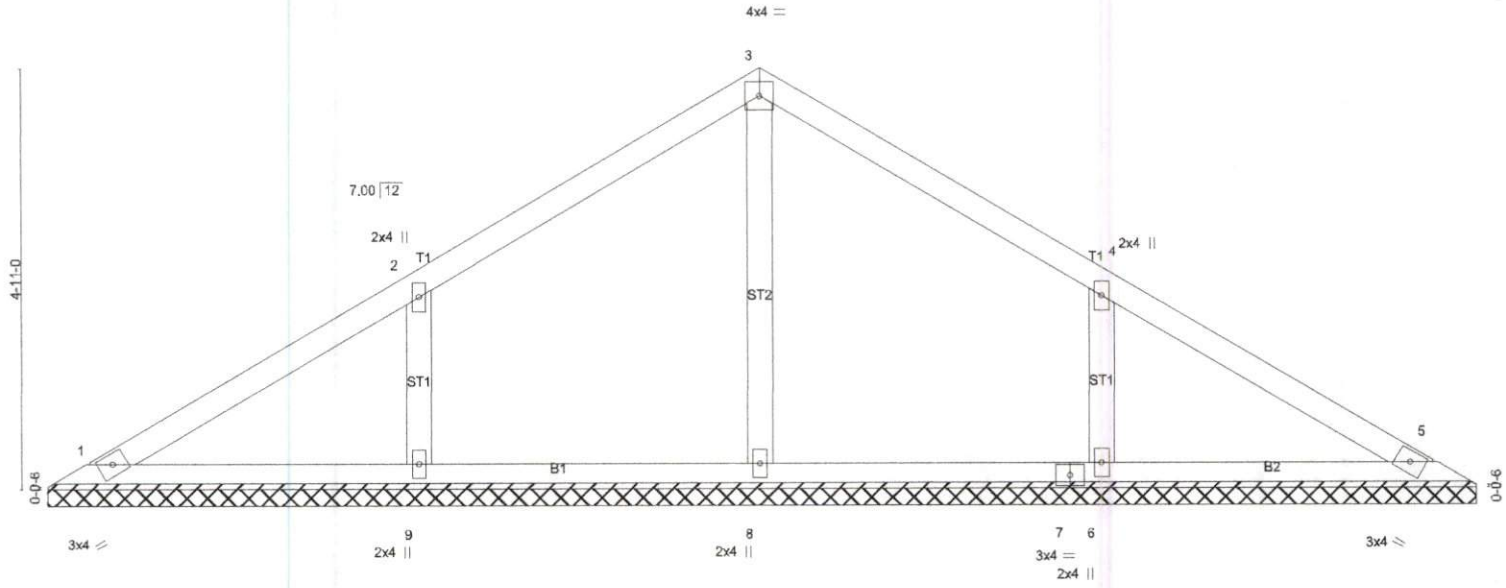

16-9-10 / 16-9-10 | 16-10-4 / 0-0-10

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	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 64 lb	FT = 25%

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 16-9-0.
(lb) - Max Horz 1=-110(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 9, 6
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 8 except 9=395(LC 19), 6=395(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-9=-317/197, 4-6=-317/197

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) 0-6-12 to 4-11-9, Interior(1) 4-11-9 to 8-5-2, Exterior(2) 8-5-2 to 12-9-15, Interior(1) 12-9-15 to 16-3-8 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) 1, 9, 6.
7) 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	The Maple
J0524-2743	V4	VALLEY	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Simonson

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Thu May 9 09:04:53 2024 Page 1
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6-5-2 | 12-10-4
6-5-2 | 6-5-2

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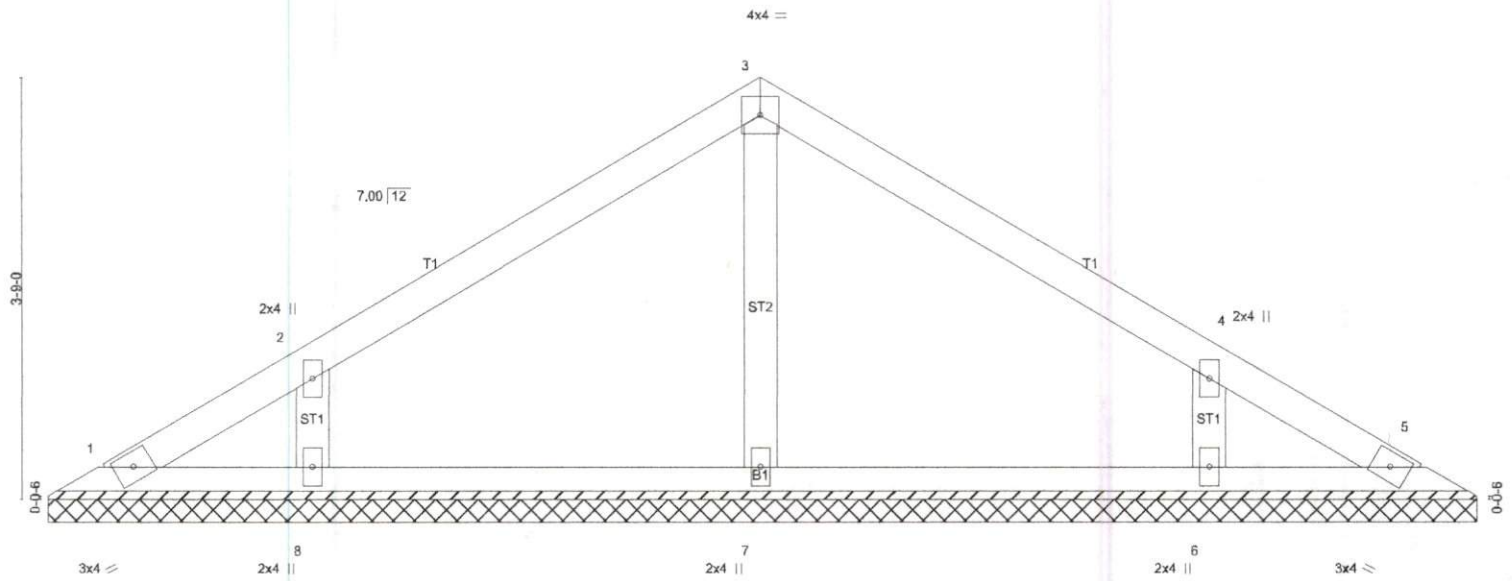

12-9-10 | 12-10-4
12-9-10 | 0-0-10

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	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 46 lb	FT = 25%

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 12-9-0.
(lb) - Max Horz 1=-82(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 8, 6
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=275(LC 1), 8=311(LC 19), 6=311(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-263/181, 4-6=-263/181

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) 0-6-12 to 4-11-9, Interior(1) 4-11-9 to 6-5-2, Exterior(2) 6-5-2 to 10-9-15, Interior(1) 10-9-15 to 12-3-8 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) 1, 5, 8, 6.
7) 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	The Maple
J0524-2743	V5	VALLEY	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Simonson

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Thu May 9 09:04:53 2024 Page 1
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4-5-2 | 8-10-4
4-5-2 | 4-5-2

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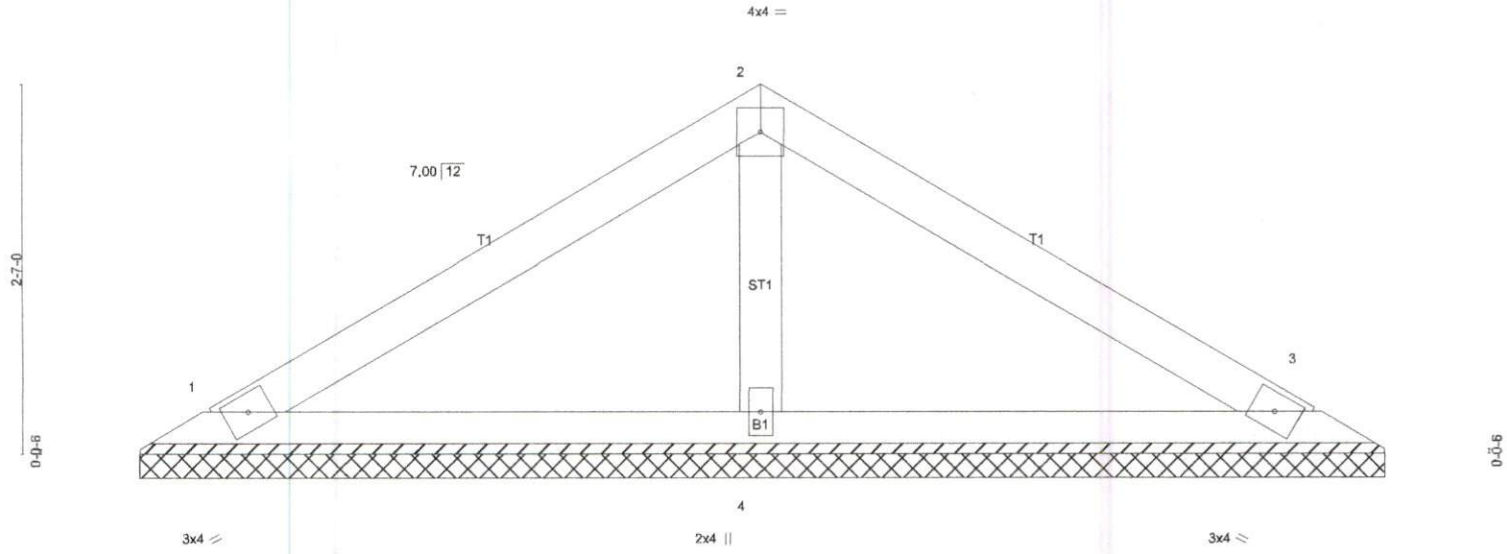

8-9-10 | 8-10-4
8-9-10 | 0-0-10

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.21	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 29 lb	FT = 25%

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=163/8-9-0 (min. 0-1-8), 3=163/8-9-0 (min. 0-1-8), 4=293/8-9-0 (min. 0-1-8)
Max Horz 1=-54(LC 8)
Max Uplift1=-26(LC 12), 3=-31(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 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 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) 1, 3.
7) 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	The Maple
J0524-2743	V6	VALLEY	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Simonson

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Thu May 9 09:04:54 2024 Page 1
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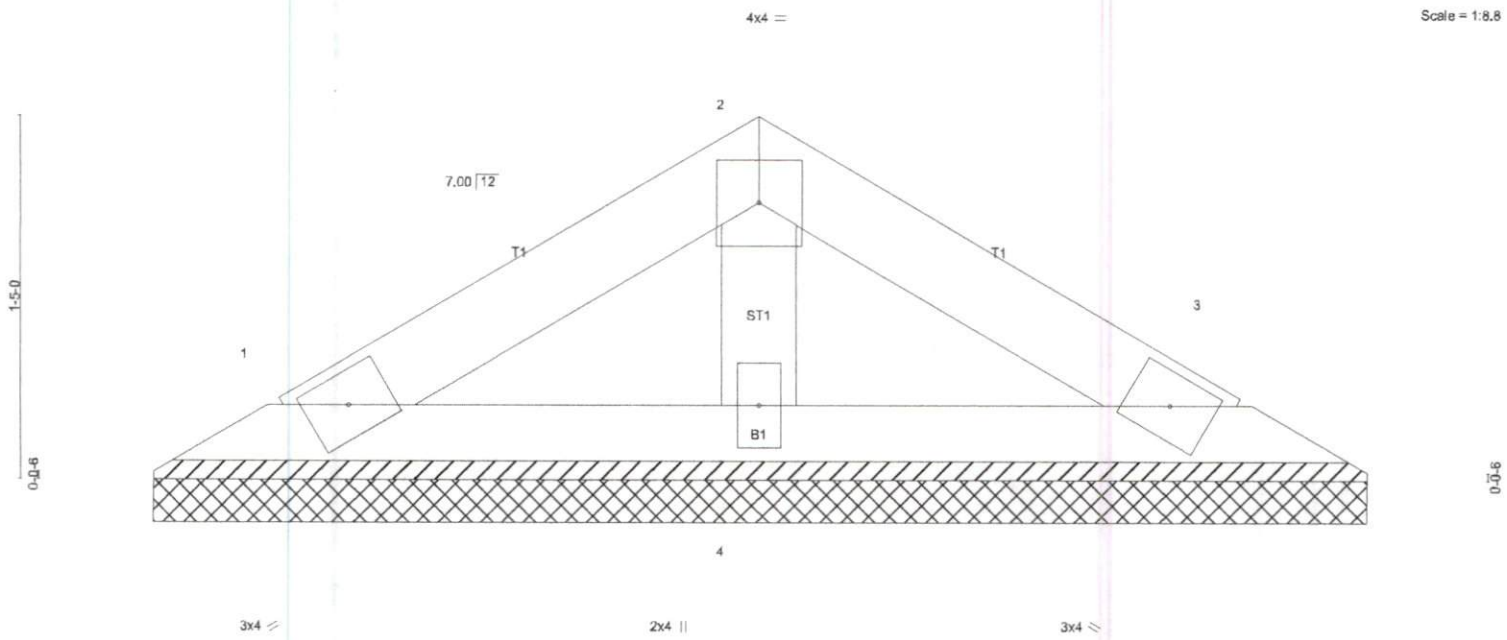
2-5-2 4-10-4
2-5-2 2-5-2



4-9-10 4-10-4
4-9-10 0-0-10

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.04	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 15 lb	FT = 25%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-10-4 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=79/4-9-0 (min. 0-1-8), 3=79/4-9-0 (min. 0-1-8), 4=141/4-9-0 (min. 0-1-8)
Max Horz 1=26(LC 9)
Max Uplift1=-13(LC 12), 3=-15(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 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 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) 1, 3.
7) 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