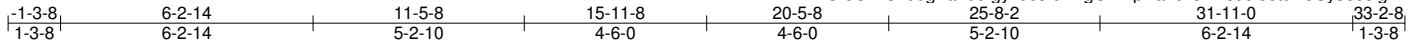


Job B0719-3227	Truss A1	Truss Type COMMON	Qty 15	Ply 1	105 Union Circle Garage
Comtech, Inc., Fayetteville, NC 28309, Bob Lewis					Job Reference (optional)

Run: 8.120 s Jun 27 2017 Print: 8.120 s Jun 27 2017 MiTek Industries, Inc. Thu Aug 8 14:10:38 2019 Page 1
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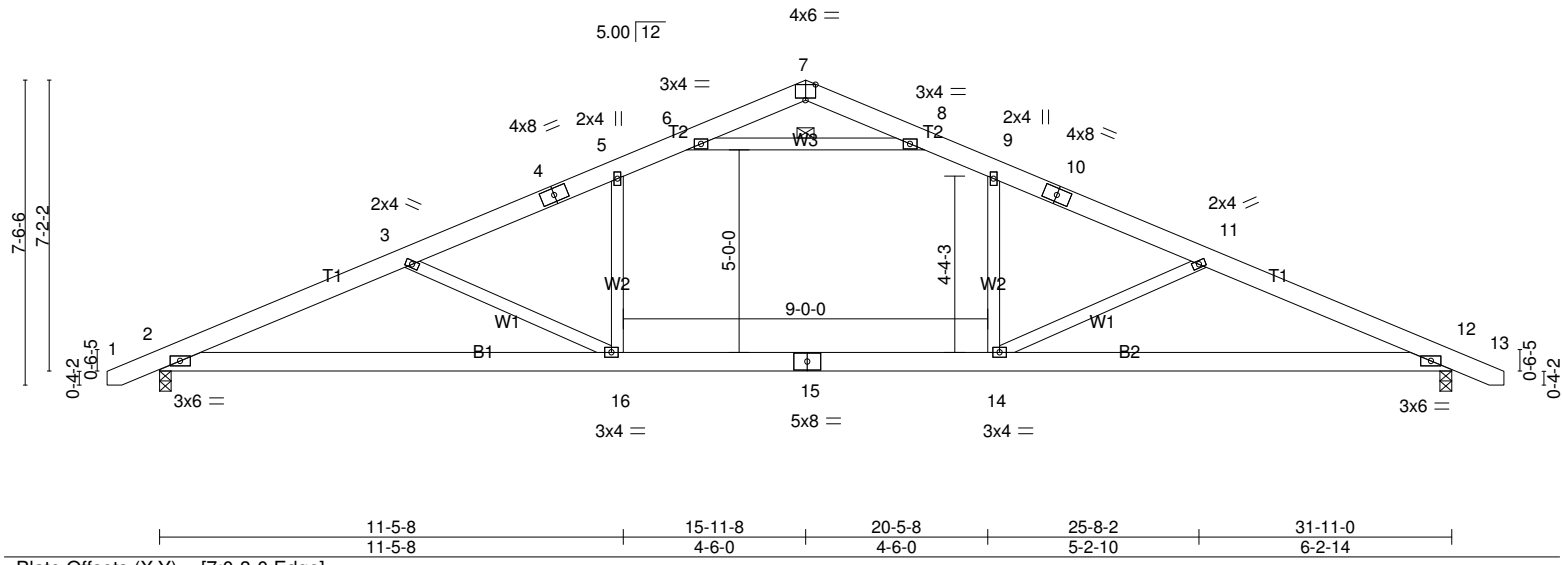


Plate Offsets (X,Y)-- [7:0-3-0,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.56	Vert(LL)	-0.29	14-16	>999	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.58	Vert(CT)	-0.42	12-14	>900		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.42	Horz(CT)	0.07	12	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Wind(LL)	0.13	2-16	>999		
	Code IRC2015/TPI2014							Weight: 201 lb FT = 20%

LUMBER-
 TOP CHORD 2x6 SP No.1
 BOT CHORD 2x6 SP No.1
 WEBS 2x4 SP No.1 *Except*
 W1: 2x4 SP No.3

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-4-9 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 6-8

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

REACTIONS. (size) 2=0-3-8 (min. 0-1-10), 12=0-3-8 (min. 0-1-10)
 Max Horz 2=-73(LC 13)
 Max Uplift 2=-25(LC 12), 12=-25(LC 13)
 Max Grav 2=1379(LC 2), 12=1379(LC 2)

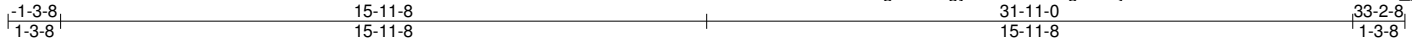
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-17=-2840/374, 3-17=-2747/399, 3-4=-2406/299, 4-5=-2314/310, 5-6=-2052/335,
 6-7=0/349, 7-8=0/349, 8-9=-2052/335, 9-10=-2314/310, 10-11=-2406/299, 11-18=-2747/399,
 12-18=-2840/374
 BOT CHORD 2-16=-279/2574, 15-16=-124/2126, 14-15=-124/2126, 12-14=-289/2574
 WEBS 5-16=0/654, 9-14=0/654, 3-16=-661/183, 11-14=-661/183, 6-8=-2486/284

NOTES-
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TC DL=6.0psf; BC DL=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 15-11-8, Exterior(2) 15-11-8 to 20-7-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas with a clearance greater than 4-0-0 between the bottom chord and any other members, with BC DL = 10.0psf.
 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 2 and 25 lb uplift at joint 12.
 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 B0719-3227	Truss A1GE	Truss Type COMMON SUPPORTED GAB	Qty 2	Ply 1	105 Union Circle Garage
Comtech, Inc., Fayetteville, NC 28309, Bob Lewis					Job Reference (optional)

Run: 8.120 s Jun 27 2017 Print: 8.120 s Jun 27 2017 MiTek Industries, Inc. Thu Aug 8 14:10:39 2019 Page 1
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Scale = 1:56.9

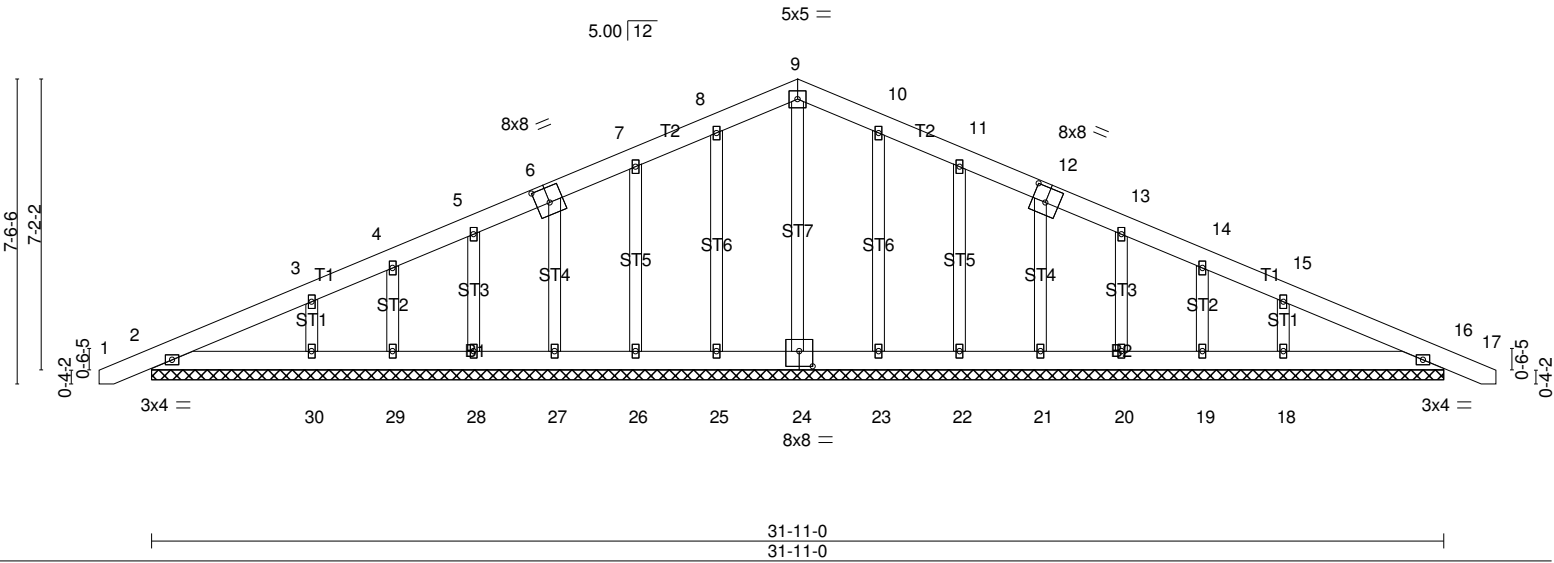


Plate Offsets (X,Y)-- [6:0-4-0,0-4-8], [12:0-4-0,0-4-8], [24:0-4-0,0-4-8]

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 0.05	Vert(LL)	0.00	16	n/r	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.04	Vert(CT)	0.00	17	n/r		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.09	Horz(CT)	0.00	16	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S						
								Weight: 232 lb	FT = 20%

LUMBER-
 TOP CHORD 2x6 SP No.1
 BOT CHORD 2x6 SP No.1
 OTHERS 2x4 SP No.3

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 31-11-0.
 (lb) - Max Horz 2=-123(LC 13)
 Max Uplift All uplift 100 lb or less at joint(s) 2, 25, 26, 27, 28, 29, 30, 23, 22, 21, 20, 19, 18, 16
 Max Grav All reactions 250 lb or less at joint(s) 2, 24, 25, 26, 27, 28, 29, 23, 22, 21, 20, 19, 16 except 30=299(LC 23), 18=299(LC 24)

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCCL=6.0psf; BCCL=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
 - 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.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 25, 26, 27, 28, 29, 30, 23, 22, 21, 20, 19, 18, 16.
 - Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.
 - 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