Job	Truss	Truss Type	Qty	Ply	RICHARD JOHNSON
25608	TR1GA	GABLE	1	1	Job Reference (optional)

C&R Building Supply, AUTRYVILLE, C&R Building Supply

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ID:bOukan8C1Mzgzd85teYtfNz81P9-4SV_Tm1VF5dgL3mRzkBT4ITPVpqPnU3qSeYrj6yB3n2

Scale = 1:35.3

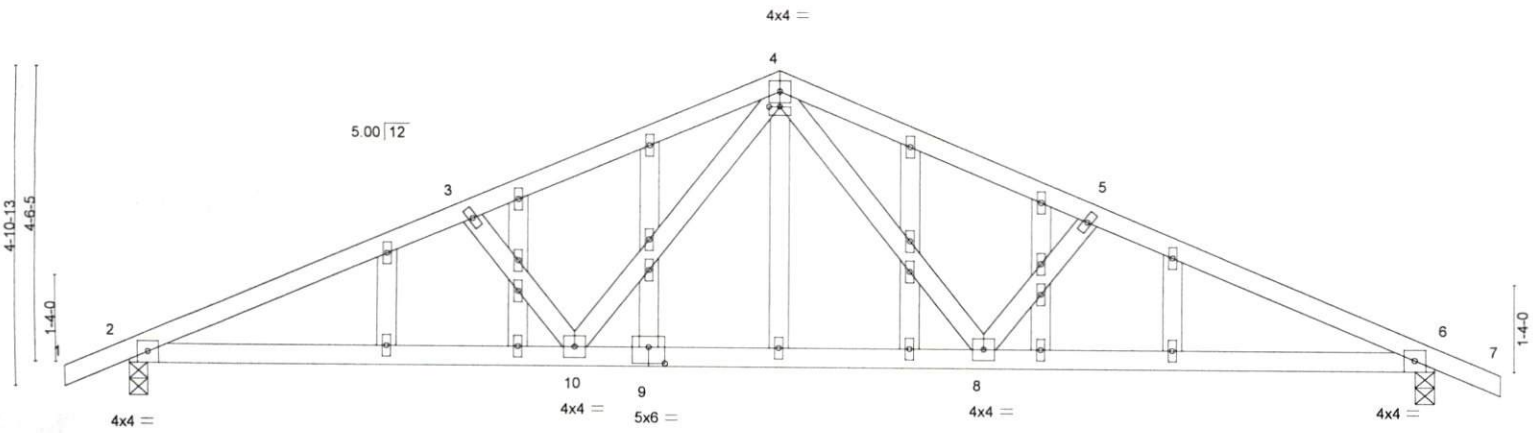

Plate Offsets (X,Y)-- [4:0-2-0,0-0-0], [9:0-3-0,0-3-0]

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	0.22	Vert(LL)	-0.06	8-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.43	Vert(TL)	-0.17	8-10	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(TL)	0.04	6	n/a	n/a		
BCDL	10.0	Code IRC2012/TPI2007		(Matrix-S)		Wind(LL)	0.04	8-10	>999	240	Weight: 114 lb	FT = 20%

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

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=860/0-3-8 (min. 0-1-8), 6=860/0-3-8 (min. 0-1-8)
Max Horz 2=72(LC 7)
Max Uplift2=-96(LC 8), 6=-96(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1490/148, 3-4=-1318/144, 4-5=-1318/144, 5-6=-1490/148
BOT CHORD 2-10=-71/1327, 9-10=-1/910, 8-9=-1/910, 6-8=-71/1327
WEBS 3-10=-286/106, 4-10=-11/443, 4-8=-11/443, 5-8=-286/106

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) V(IRC2012)=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; 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 1.5x4 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 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.
8) One RT4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 6. This connection is for uplift only and does not consider lateral forces.
9) This truss is designed in accordance with the 2012 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 ½" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

	Initials	Date
Prepared By		
Approved By