Job	Truss	Truss Type	Qty	Ply	WEAVER HOMES- THE BRINKLEY ELEV "C"
4272040	A2E	GABLE	1	1	Job Reference (optional)

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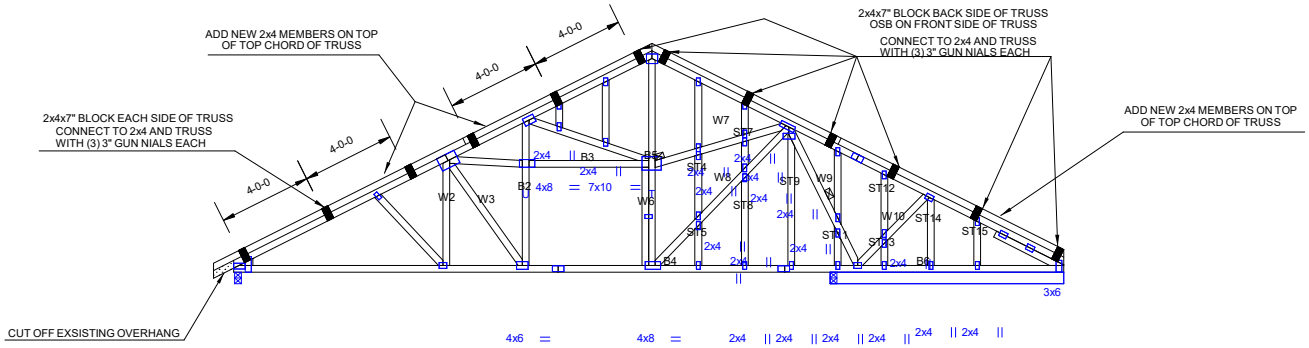
-0-10-8	6-2-6	9-1-12	12-8-8	17-6-8	18-0-0	23-10-13	29-9-10	35-8-9
0-10-8	6-2-6	2-11-6	3-6-12	4-10-0	0-5-8	5-10-13	5-10-13	5-10-15



0-0-7	9-1-12	12-8-8	17-6-8	25-11-9	26-10-4	35-8-9
0-0-7	9-1-5	3-6-12	4-10-0	8-5-1	0-10-11	8-10-5

Plate Offsets (X,Y)-- [B:0-0-0,0-0-9], [B:0-2-1,Edge], [G:0-3-0,0-0-10], [K:0-3-13,Edge], [Q:0-2-7,0-1-8], [R:0-2-12,0-2-0], [T:0-3-8,0-2-0], [U:0-3-0,0-0-0], [AC:0-1-11,0-1-0], [AG:0-1-11,0-1-0]

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	0.59	Vert(LL)	-0.07	P-R	>999	240	MT20	244/190
TCDL	10.0		Lumber DOL	1.15	BC	0.74	Vert(CT)	-0.29	B-W	>999	180		
BCLL	0.0	*	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.04	O	n/a	n/a		
BCDL	10.0		Code	IRC2015/TPI2014	Matrix-S							Weight: 283 lb	FT = 20%

LUMBER-
TC 2x4 SP No.1 *Except* T1: 2x4 SP No.2
BC 2x4 SP No.2
WB 2x4 SP No.2
OTHERS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2
SLIDER Right 2x4 SP No.2 3-2-14
1 - Ply
REACTIONS. All bearings 10-0-8 except (jt=length) B=0-3-8.
(lb) - Max Horz B=137(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) K except O=-107(LC 12)
Max Grav All reactions 250 lb or less at joint(s) K, P, N, M, L except B=1124(LC 1), O=1322(LC 1), P=497(LC 16)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-4-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt G-O
JOINTS 1 Brace at Jt(s): T

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

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-AP=-1800/14, C-AP=-1743/34, C-D=-1575/26, D-E=-1294/32, E-AQ=-388/53, F-AQ=-324/72, F-AR=-311/73, G-AR=-398/54, G-H=0/390, H-I=0/251
BOT CHORD B-W=0/1531, V-W=0/1348, S-V=0/1072, R-S=0/1072, R-AT=0/296, Q-AT=0/296, Q-AU=0/296, P-AU=0/296, O-P=0/296, U-V=0/418, E-U=0/461, R-T=-648/41
WEBS E-T=-978/53, G-R=0/1111, G-O=-1353/0, I-O=-357/114, C-W=-270/91, D-W=0/382, D-V=-491/0, G-T=-814/70

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=36ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-8-6, Interior(1) 2-8-6 to 18-0-0, Exterior(2) 18-0-0 to 21-6-14, Interior(1) 21-6-14 to 35-8-9 zone; cantilever left and 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) Gable studs spaced at 2-0-0 oc.
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 20.0psf 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) K except (jt=lb) O=107.
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