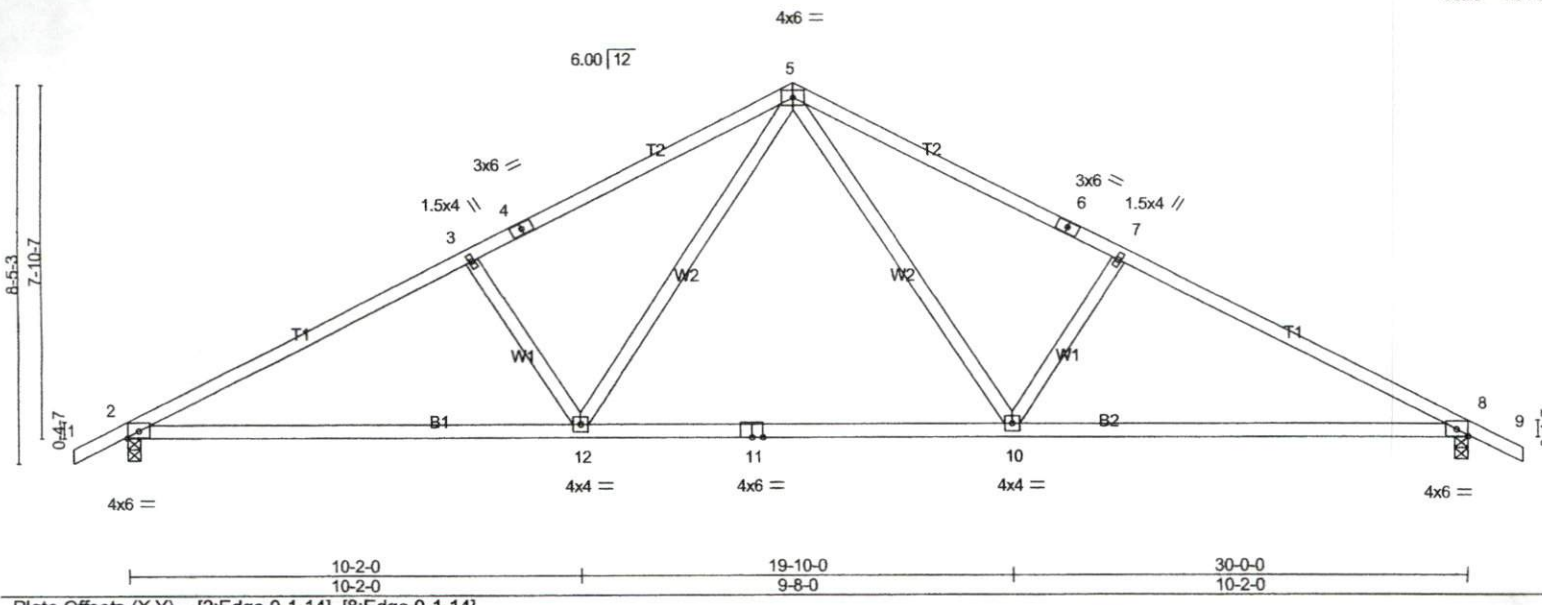
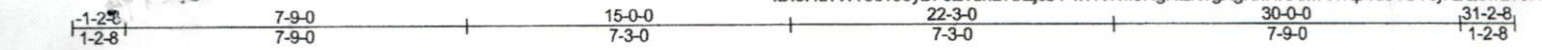


Job 26643	Truss TR1	Truss Type FINK	Qty 23	Ply 1	James Jackson/Johnathan/ Job Reference (optional)
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C&R Building Supply, Autryville NC

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LOADING (psf)	SPACING-	CSL	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.31	Vert(LL) -0.41	10-12	>888	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.48	Vert(CT) -0.52	10-12	>698	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.34	Horz(CT) 0.05	8	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014	Matrix-AS	Wind(LL) 0.07	10-18	>999	240		
							Weight: 138 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SP 2400F 2.0E
 BOT CHORD 2x4 SP 2400F 2.0E
 WEBS 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=1273/0-3-8 (min. 0-1-8), 8=1273/0-3-8 (min. 0-1-8)
 Max Horz 2=-166(LC 6)
 Max Uplift 2=-134(LC 8), 8=-134(LC 8)
 Max Grav 2=1299(LC 13), 8=1299(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-2226/205, 3-4=-2019/190, 4-5=-1929/226, 5-6=-1929/226, 6-7=-2019/190,
 7-8=-2226/205
 BOT CHORD 2-12=-77/2041, 11-12=0/1327, 10-11=0/1327, 8-10=-77/1917
 WEBS 3-12=-465/173, 5-12=-35/885, 5-10=-35/886, 7-10=-465/173

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=30ft; 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) 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 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.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=134, 8=134.
 - 6) This truss is designed in accordance with the 2018 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.

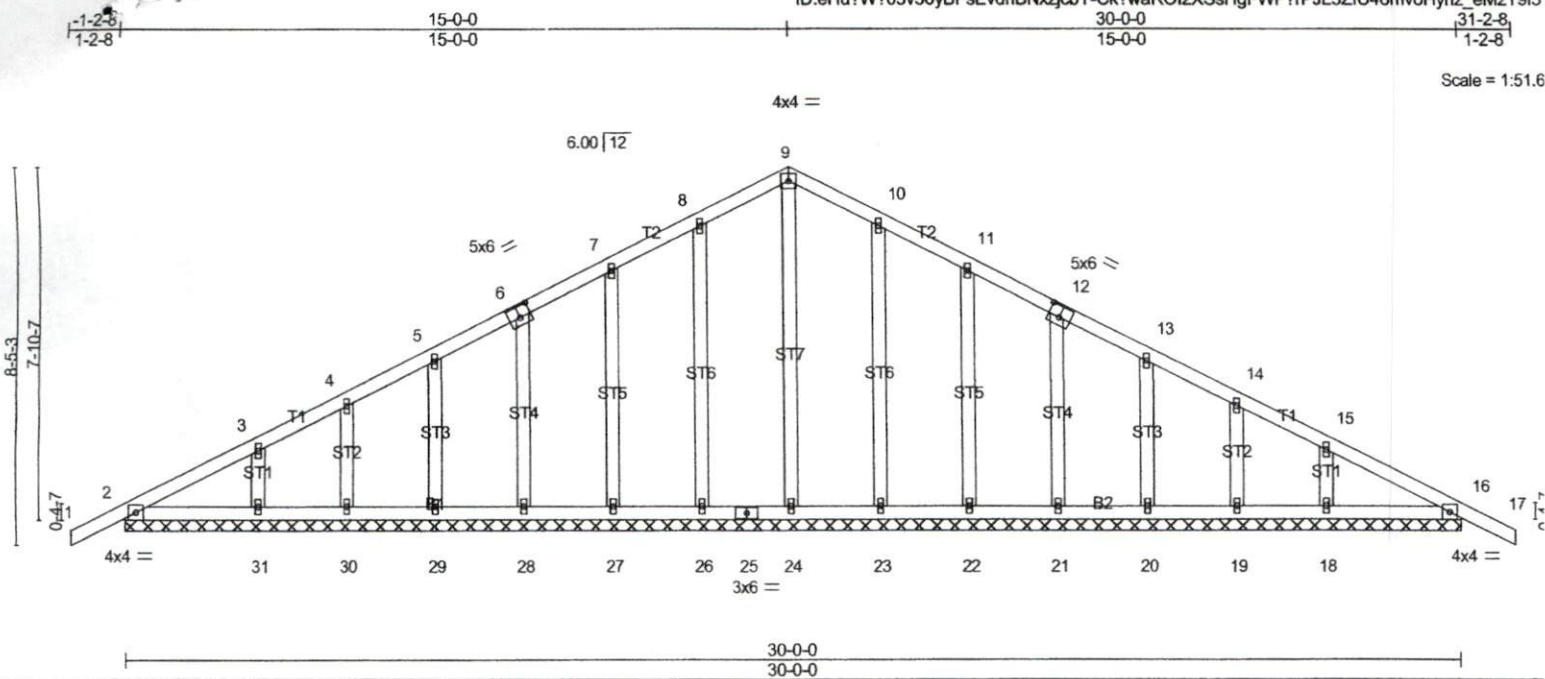
LOAD CASE(S) Standard

JAMES JACKSON JOHNSON JOB
100 WILLIE McLEOD LN
DUNN, N.C.

Job 26643	Truss TR1GA	Truss Type GABLE	Qty 2	Ply 1	James Jackson/Johnathan/ Job Reference (optional)
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C&R Building Supply, Autryville NC

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Scale = 1:51.6

Plate Offsets (X,Y) - [6:0-3-0,0-3-0], [12:0-3-0,0-3-0]

LOADING (psf)	SPACING- 2-0-0	CSL	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.04	Vert(LL)	-0.00	16	n/r	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.03	Vert(CT)	-0.00	16	n/r		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.11	Horz(CT)	0.00	16	n/a		
BCDL 10.0	Code IRC2018/TPI2014	Matrix-S						
							Weight: 178 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP 2400F 2.0E
BOT CHORD 2x4 SP 2400F 2.0E
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 30-0-0.
(lb) - Max Horz 2=166(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) 2, 16, 26, 27, 28, 29, 30, 31, 23, 22, 21, 20, 19, 18
Max Grav All reactions 250 lb or less at joint(s) 2, 16, 24, 26, 27, 28, 29, 30, 31, 23, 22, 21, 20, 19, 18

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 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=30ft; eave=2ft; 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
 - 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 1.5x4 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, 16, 26, 27, 28, 29, 30, 31, 23, 22, 21, 20, 19, 18.
 - This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard