Job	Truss	Truss Type	Qty	Ply	43 GEORGE STREET
B177315	T01	QUEENPOST	13	1	Job Reference (optional)

Mainely Trusses, Inc., Fairfield, ME, Justin Harkins

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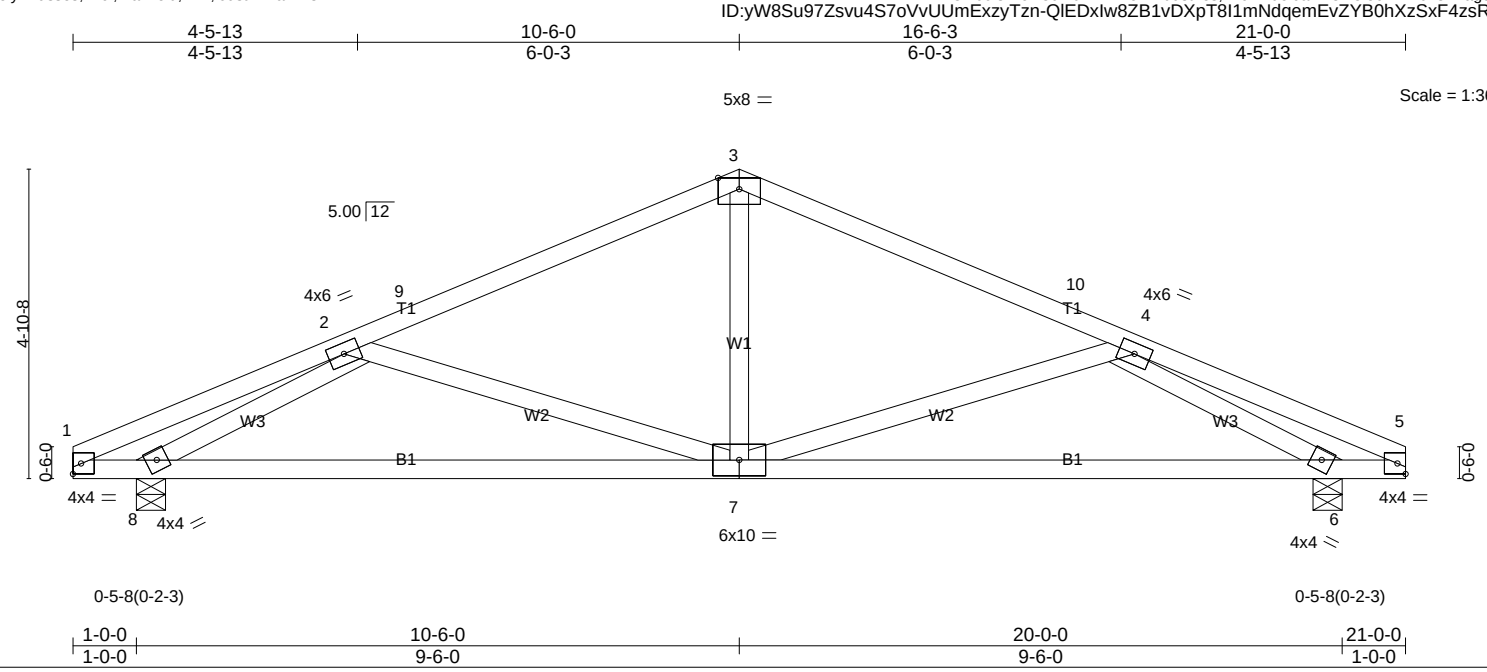

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	46.2	Plate Grip DOL	1.15	TC	0.81	Vert(LL)	-0.12	7-8	>999	240	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.71	Vert(CT)	-0.25	7-8	>904	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.06	6	n/a	n/a		
BCLL	0.0	Code IRC2015/TPI2014		Matrix-S							Weight: 78 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-0-7 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) 8=1390/0-5-8, 6=1390/0-5-8
Max Horz 8=-81(LC 11)
Max Uplift 8=-163(LC 10), 6=-163(LC 11)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-499/28, 2-9=-1612/148, 3-9=-1470/167, 3-10=-1470/166, 4-10=-1612/148, 4-5=-499/28
BOT CHORD 1-8=0/440, 7-8=-300/1804, 6-7=-220/1804, 5-6=0/440
WEBS 2-7=-645/242, 3-7=0/464, 4-7=-645/243, 2-8=-2000/501, 4-6=-2000/501

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg=60.0 psf (ground snow); Ps=46.2 psf (roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
3) Roof design snow load has been reduced to account for slope.
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 8 and 6. This connection is for uplift only and does not consider lateral forces.
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

MAINELY TRUSSES
Engineered Truss Systems