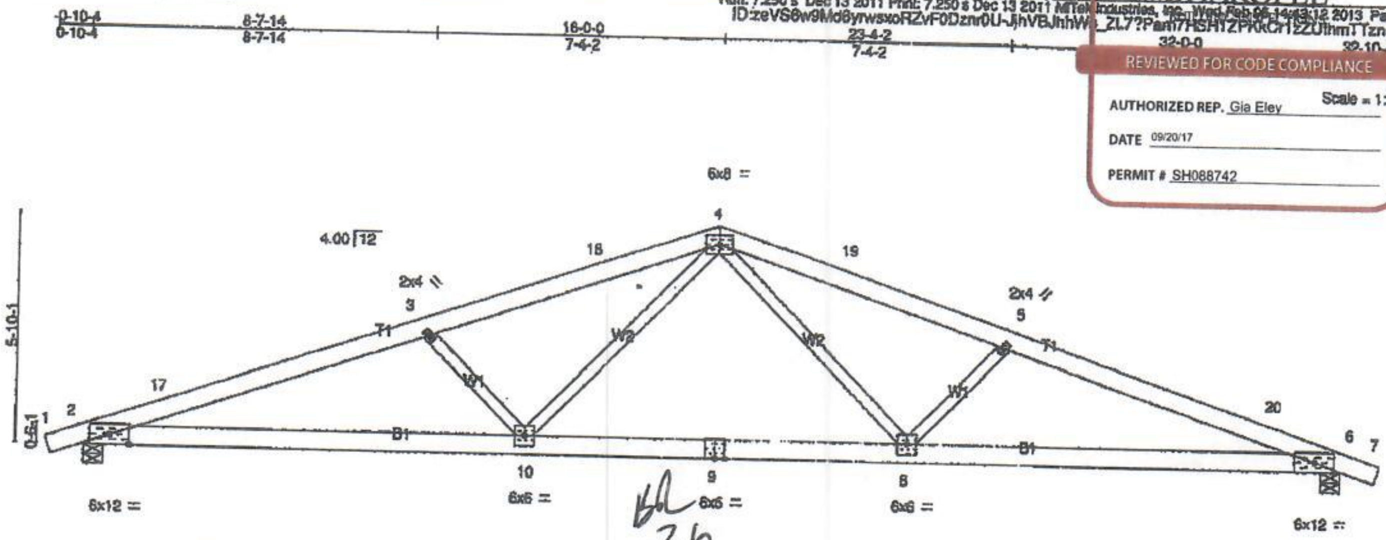
Job	Truss	Truss Type	Qty	Ply	
376466QROOF	005	FINK	10	1	Job Reference (optional)

Littfin Lumber Company, Winsted, MN

Run: 7.250 s Dec 13 2011 Print: 7.250 s Dec 13 2011 MiTek Industries, Inc. Wed Feb 06 14:43:12 2013 Page
ID:zeVS8w9Md8yrwsxoRZvF0Dznr0U-JjhVBJhhWs_ZL7?Pam7HSHTZPKkCr1ZZUthmTTznq

SHAKOPEE
REVIEWED FOR CODE COMPLIANCE
AUTHORIZED REP. Gia Eley
DATE 09/20/17
PERMIT # SH088742

Scale = 1:53



bh
36

Brad Reiland 3~~2~~' x 56'. 14' sidewalls

0-10-4	11-1-4	20-10-12	32-0-0
		32-0-0	0-10-4

LOADING (psf)		SPACING		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.15	TC	0.79	Vert(LL)	-0.51	8-10	>754	240	MT20	197/144
(Roof Snow=40.0)		Lumber Increase	1.15	BC	0.91	Vert(TL)	-0.71	8-10	>541	180		
TCDL	4.0	Rep Stress Incr	NO	WB	0.75	Horz(TL)	0.19	6	n/a	n/a		
BCLL	0.0	Code MNSRC/TPI2002		(Matrix-M)								
BCDL	5.0	SPACING 4-0-0									Weight: 145 lb	FT = 20%

LUMBER

TOP CHORD	2 X 6 SPF 1650F 1.5E
BOT CHORD	2 X 6 SPF 1650F 1.5E
WEBS	2 X 4 SPF Stud

BRACING

TOP CHORD	2-0-0 oc purlins (2-7-11 max.) (Switched from sheeted: Spacing > 2-0-0).
BOT CHORD	Rigid ceiling directly applied or 9-1-5 oc bracing.
JOINTS	1 Brace at Jt(s): 4

REACTIONS (lb/size) 2=3299/0-6-0 (min. 0-5-3), 6=3299/0-6-0 (min. 0-5-3)
Max Horz 2=-85(LC 7)
Max Uplift2=-447(LC 9), 6=-447(LC 9)

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

TOP CHORD	2-17=-7273/1116, 3-17=-7095/1135, 3-18=-6276/997, 4-18=-6024/1008, 4-19=-6024/1008, 5-19=-6276/997, 5-20=-7095/1135, 6-20=-7273/1116
BOT CHORD	2-10=-964/6731, 9-10=-578/4560, 8-9=-578/4560, 6-8=-980/6731
WEBS	3-10=-1461/378, 4-10=-217/1754, 4-8=-217/1754, 5-8=-1461/378

NOTES

1) Wind: ASCE 7-05; 90mph; TCDL=2.4psf; BCDL=3.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; enclosed; MWFRS (all heights) and C-C Exterior(2) -0-11-2 to 2-0-14, Interior(1) 2-0-14 to 16-0-0, Exterior(2) 16-0-0 to 19-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct= 1
3) This truss has been checked for uniform snow load only, except as noted.
4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) Dead loads shown include weight of truss. Top chord dead load of 5.0 psf (or less) is not adequate for a shingle roof. Architect to verify adequacy of top chord dead load.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=447, 14=447.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard

I hereby certify that this plan, specifications, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota

Joseph M. Paumen
Date: 2/6/13 Reg No. 42342