Owalaska Alliance

Job	Truss	Truss Type	Qty	Ply	P4-24 Stock Pole Trusses	
1904090	24PB	FINK	14	1	Job Reference (optional)	K6010733

Truss Components of WA, Tumwater, WA - 98512, 8.240 s Dec 6 2018 MiTek Industries, Inc. Mon Apr 22 12:17:21 2019 Page 1
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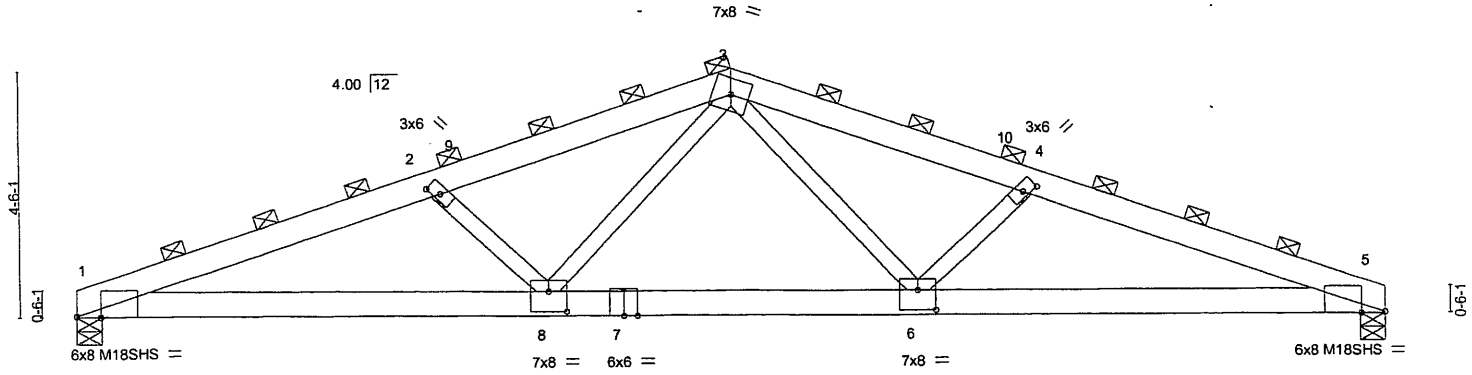
6-7-14	12-0-0	17-4-2	24-0-0
6-7-14	5-4-2	5-4-2	6-7-14

NOTE: ACTUAL O.C. SPACING OF TRUSS IS 2 TRUSSES EVERY 12'-0" (SEPERATED BY 5.5" SPACE)
CONTINUOUS 2X6 DF #2 MIN BLOCKING IS REQUIRED ALONG THE BOTTOM CHORD REFER TO "POLE BARN BOTTOM CHORD BRACING DETAIL (1PLY)" STANDARD FOR COMPLETE SPECIFICATIONS.

Scale = 1:40.7



8-7-6	15-4-10	24-0-0
8-7-6	6-9-5	8-7-6

Plate Offsets (X,Y)— [1:0-5-4,Edge], [2:0-3-0,0-1-4], [4:0-3-0,0-1-4], [5:0-5-4,Edge], [6:0-4-0,0-4-8], [8:0-4-0,0-4-8]

LOADING (psf)		SPACING-	6-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.15	TC	0.93	Vert(LL)	-0.26	6-8	>999	240	MT20	220/195
(Roof Snow=30.0)		Lumber DOL	1.15	BC	0.90	Vert(CT)	-0.39	6-8	>717	180	M18SHS	220/195
TCDL	7.0	Rep Stress Incr	NO	WB	0.41	Horz(CT)	0.12	5	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-S							Weight: 126 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 DF SS
BOT CHORD 2x6 DF SS
WEBS 2x4 DF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins (2-2-1 max.)
(Switched from sheeted: Spacing > 2-8-0).
BOT CHORD CONTINUOUS BLOCKING REQUIRED. REFER TO "POLE BARN BOTTOM CHORD BRACING DETAIL (1PLY)" STANDARD DETAIL FOR COMPLETE SPECIFICATIONS.

REACTIONS. (lb/size) 1=3319/0-5-8, 5=3319/0-5-8
Max Horz 1=120(LC 18)
Max Uplift 1=-1032(LC 10), 5=-1032(LC 11)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-7685/3877, 2-3=-6673/3455, 3-4=-6673/3455, 4-5=-7685/3877
BOT CHORD 1-8=-3479/7104, 6-8=-2131/4888, 5-6=-3479/7104
WEBS 2-8=-1601/1049, 3-8=-954/2122, 3-6=-954/2122, 4-6=-1601/1049

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=3.0psf; BCDL=0.6psf; h=15ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) and C-C Exterior(2) 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 7-10; Pf=30.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.20
3) Unbalanced snow loads have been considered for this design.
4) All plates are MT20 plates unless otherwise indicated.
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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=1032, 5=1032.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

April 22,2019