

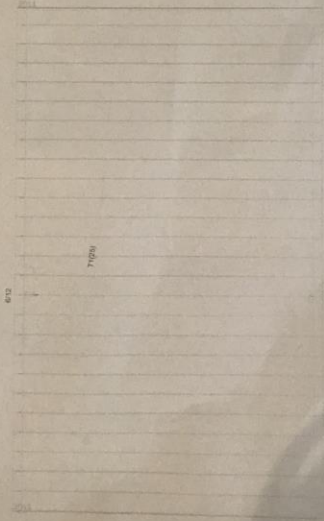
THIS LAYOUT IS TO BE USED AS A TRUSS PLACEMENT GUIDE ONLY.
PLEASE REFER TO BUILDING PLANS FOR BUILDING CONSTRUCTION AND DETAILS,
SUCH AS PLUMBING OR DUCT DROPS.

PROVIDED FOR THE
CLIENT'S USE
CONSTRUCTION

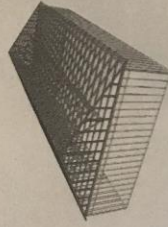
Job #
O-2102297

David Perez
1" OH, 2" OC

03/01/00



30-00-00

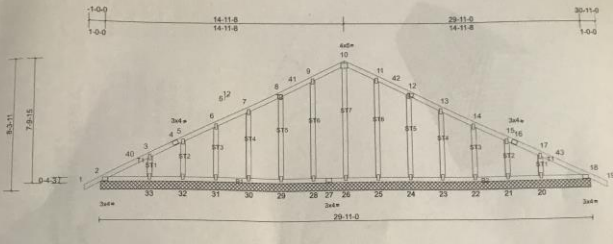


Date Quoted:
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Scale: 1/8" = 1'-0"

Leading	(psf)	Spacing	2'-0" O	CSI	DEFL	in (loc)	Weld	L/L	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	n/a	n/a	300	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	n/a	n/a	300		
BCLL	0.0	Rep Stress Proc	YES	WB	0.11	Horz(CT)	0.00	37	n/a	n/a	
BCDL	10.0	Code	PRC2015TP2014	Matrix-M5							Height: 177 lb FT < 20%

LUMBER
 TOP CHORD 2x4 SPF No. 1
 BOT CHORD 2x4 SPF No. 1
 OTHERS 2x4 SPF No. 3

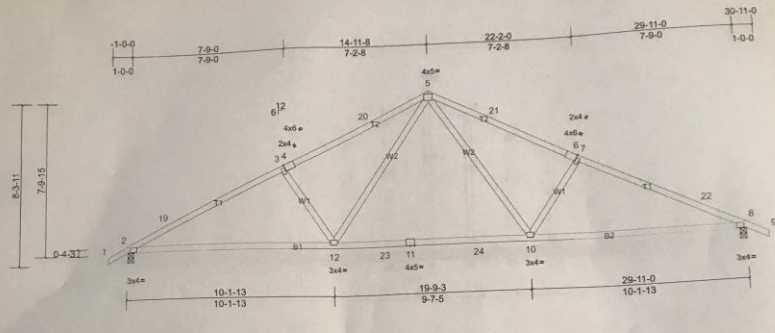
BRACING
 TOP CHORD Structural wood sheathing directly applied or 6'-0" oc. purlins.
 BOT CHORD Rigid ceiling directly applied or 10'-0" oc. bracing.

RECTIONS All bearings 2x11-0
 (a) - Max. Horiz. 2x=109 (LC 9), 34=109 (LC 9)
 Max. Upstr. All upstr 100 (B) or less at joint(s) 2, 18, 20, 21, 22, 23, 24, 25, 26, 28, 29, 30, 31, 32, 33, 34, 37
 Max. Grav. All reactions 250 (B) or less at joint(s) 2, 18, 20, 21, 22, 23, 24, 25, 26, 28, 29, 30, 31, 32, 33, 34, 37
 (b) - Max. Comp. Max. Ten. - All forces 250 (B) or less except when shown.

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind ASCE 7-10: Wind II (Emp. II) - second gust) V=80 mph, TCDF=0.05, BCDL=6.0 psf, h=30ft, B=20ft, L=30ft, eave=2ft; Cat. II, Exp. B, Enclosed, MWFRS (directional) and C-C Corner (1) -1.0-0 to 2-0-0, Exterior (2) 2-0-0 to 14-11-8, Corner (3) 14-11-8 to 17-11-8, Exterior (2) 17-11-8 to 30-11-0 zone, cantilever left and right exposed; and vertical left and right exposed. C-C for members and forces & MWFRS for reactions shown. 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 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2'-0" oc.
 - This truss has been designed for a live load of 20.0 psf on the bottom chord in all areas where a rectangle 3'-0" tall by 2'-0" wide will fit between the bottom chord and any other members.
 - Provide momentary connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 28, 29, 30, 31, 32, 33, 25, 24, 23, 22, 21, 20, 18, 2, 18.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R502.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	David Perez-Roof
Q-2102297-1	T1	Common	25	1	Job Reference (optional)
<small>Run: 6:43:5 Feb 3 2021 Print: 6:43:5 Feb 3 2021 MITel software, Inc. Tue Sep 07 09:04:59 Page 1 Peak Truss Builders LLC, New HB, user ID: 11v1ubDIO2pamCew0BygkH-H0m2kzFFJJB0A9t0p0m0007k000W0y0p0</small>					



Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in (loc)	ldiff	Ltd	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DCL	1.15	TC	Vert(LL)	-0.34	10-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DCL	1.15	BC	Vert(CT)	-0.47	10-12	>769	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	Horz(CT)	0.06	8	n/a	n/a		
BCDL	10.0	Code	IRC2015/TP12014	Matrx-MS							Weight: 137 lb FT = 20%

LUMBER
 TOP CHORD 2x4 SP No.1
 BOT CHORD 2x4 SP No.1
 WEBS 2x4 SP No.3

REACTIONS (lb/size) 2x1257/0-3-8, (min. 0-2-0), 8x1257/0-3-8, (min. 0-2-0)
 Max Horiz 2x109 (LC 10)
 Max Uplift 2x137 (LC 11), 8x137 (LC 11)

FORCES (lb) -Max Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD
 2-19=-2103/199, 3-19=-2048/233, 3-4=-1881/213, 4-20=-1872/235, 5-20=-1766/252, 5-21=-1766/252, 6-21=-1872/235,
 6-7=-1851/213, 7-22=-2048/233, 8-22=-2103/199
 BOT CHORD
 2-12=-108/1832, 12-23=0/1198, 11-23=0/1198, 11-24=0/1198, 10-24=0/1198, 8-10=-108/1832
 WEBS
 5-10=50/774, 7-10=-471/187, 5-12=50/774, 3-12=-471/187

NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind ASCE 7-10, Vel=115mph (3-second gust) Vel=91mph; TCCL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=30ft; eave=4ft; Cat. II; Exp. B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-0-0 to 2-0-0; Interior (1) 2-0-0 to 14-11-8; Exterior (2) 14-11-8 to 17-11-8; Interior (1) 17-11-8 to 30-11-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DCL=1.60 plate grip DCL=1.60
 3) *This truss has been designed for a live load of 20 psf on the bottom chord in all areas where a rectangle 3'-0"-0" tall by 2'-0"-0" wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 137 lb uplift at joint 2 and 137 lb uplift at joint 8.
 5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R502.10.2 and referenced standard ANSI/TP1 1.

LOAD CASE(S) Standard

BRACING
 TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 3'-6"-10 oc purlins
 Rigid ceiling directly applied or 10'-0" oc bracing
 MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer installation guide.