

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
PER151299 10FT TRUSS	R1		1	1	

-0-4-8                      5-0-0                      10-0-0                      10-4-8  
0-4-8                      5-0-0                      5-0-0                      0-4-8

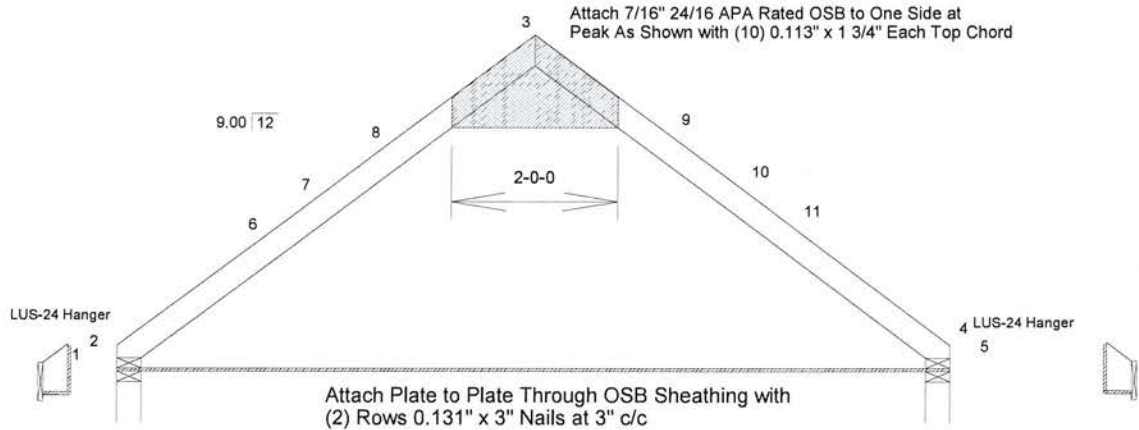


Plate Offsets (X,Y)– [2:Edge,0-0-4], [3:0-2-8,Edge], [4:0-0-0,0-0-4]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 30.8 (Ground Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.41 BC 0.25 WB 0.00 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.23 2-4 >506 240 Vert(TL) -0.61 2-4 >192 180 Horz(TL) 0.00 4 n/a n/a	MT20	244/190
TCDL 10.0 BCLL 0.0 * BCDL 10.0				Weight: 35 lb	FT = 20%

**LUMBER-**  
TOP CHORD 2x4 SPF No. 2

**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.

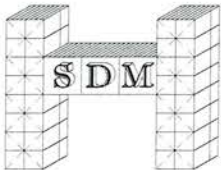
**REACTIONS.** (lb/size) 2=536/0-3-8 (min. 0-1-8), 4=536/0-3-8 (min. 0-1-8)  
Max Horz 2=-232(LC 9)  
Max Uplift 2=-324(LC 11), 4=-324(LC 11)

**FORCES.** (lb) - Maximum Compression/Maximum Tension  
TOP CHORD 1-2=0/17, 2-6=-454/349, 6-7=-378/352, 7-8=-354/354, 3-8=-312/371, 3-9=-312/371, 9-10=-354/354, 10-11=-378/352, 4-11=-454/349, 4-5=0/17

- NOTES-**
- 1) Wind: ASCE 7-05; 140mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=28ft; eave=4ft; Cat. II; Exp C; enclosed; MWFRS (all heights) and C-C Exterior(2) -0-4-8 to 2-7-8, Interior(1) 2-7-8 to 5-0-0, Exterior(2) 5-0-0 to 8-0-0 zone,C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 2) TCLL: ASCE 7-05; Pg= 40.0 psf (ground snow); Pf=30.8 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 15.0 psf or 1.00 times flat roof load of 30.8 psf on overhangs non-concurrent with other live loads.

**LOAD CASE(S)** Standard

**STRUCTURAL DESIGN & MANAGEMENT, INC.**



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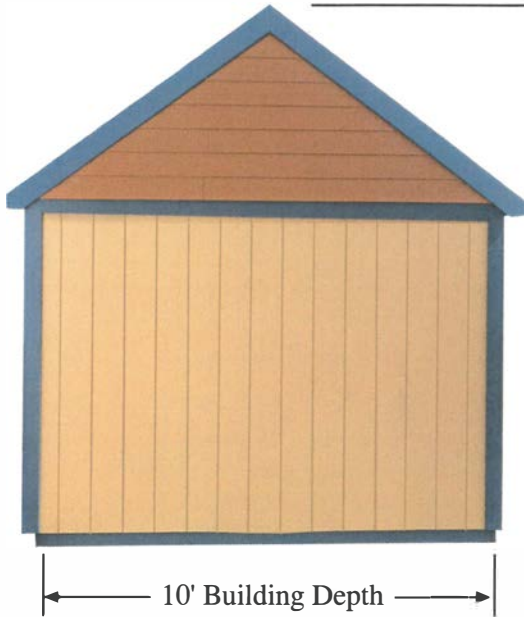
Carl A. Demeter SE., PE.





Before you order our kit or begin construction, obtain a building permit. If additional documents are required contact Richard@barnkits.com.

## 12' x 10' Brookhaven Elevation



**Wall Framing:** Constructed from 2x4 pre-cut wall studs spaced 24" on center between 2X4 top, bottom and tie plates.

**Pocket Doors:** Pre-built 2x4 frame covered with LP 'Smart Panel' primed siding. White pine trim.. Door opening 55" wide x 72" high.

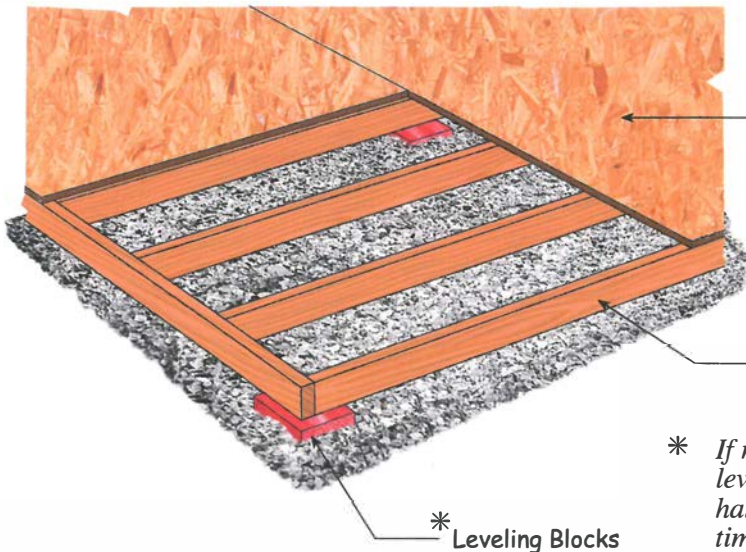
**Siding:** Louisiana-Pacific 'Smart Panel' primed 8" o.c. groove with 50 year warranty, 5 year labor replacement Primed LP pre-cut horizontal Lap siding furnished for roof gables.

**Roof System:** 2x4 trusses spaced 24" on center, (40 psf ground snow load, 140 mph wind load). 7/16" OSB roof sheathing. *Finish roof covering (shingles or metal) by owner.*

**Exterior Trim:** White pine trim for corners, door, gable trim and front and sidewall fascia.

**Hardware:** Nails, hangers for trusses. Heavy duty aluminum track for pocket doors, decorative door handles, door latch and aluminum door sill.

**Optional Floor:** is constructed with treated 2x4 framing. Floor joists are spaced 16" on center and covered with 5/8" OSB (oriented strand board).



*Foundation Size*

12'x10' .....12'-0" long x 10'-0" deep

2x4 Treated Joist 16" o.c.

\* Leveling Blocks

\* If necessary use bricks, patio stones or similar material to level or provide additional support to the floor. If your ground has low areas consider adding gravel and or 4x4 treated timbers to rest the floor on.