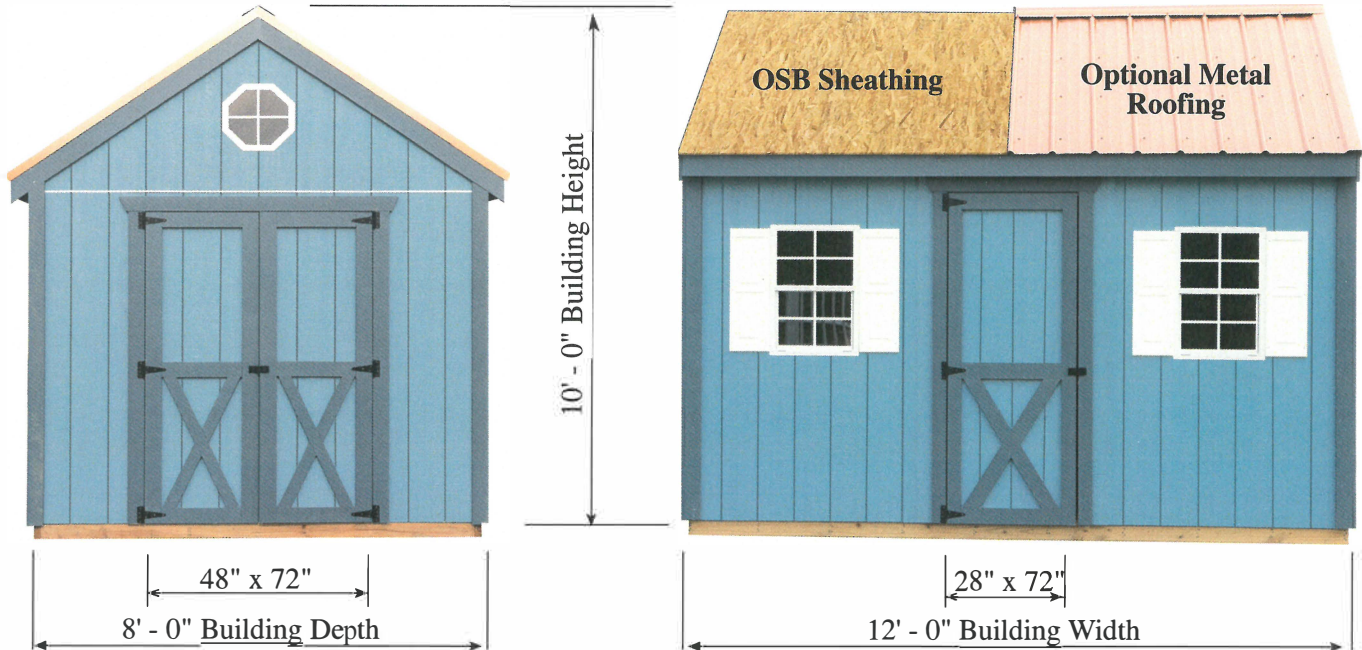Before you order our kit or begin construction, obtain a building permit. If additional documents are required contact questions@barnkits.com.

Regency Elevation

10' - 0" Building Height

48" x 72"

8' - 0" Building Depth

OSB Sheathing

Optional Metal Roofing

28" x 72"

12' - 0" Building Width

Foundation: By owner. Optional wood floor available, see specifications below.

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

Siding: Louisianna-Pacific *'Smart Panel'* primed 8" o.c. groove with 50 year warranty, 5 year labor replacement. Siding is pre-cut for fast and accurate field assembly.

Roof System: 2x4 trusses spaced 24" on center, (40 psf ground snow load, 130 mph wind load) covered with pre-cut 7/16" OSB roof sheathing. Optional metal roof kit available. *Shingles by owner.*

Exterior Trim: Primed white pine trim for corners, door and gable trim with 10 year warranty. Doors are pre-built, door hardware included.

Hardware: Nails, truss hangers and one octagon window for gable is included. Lower windows are optional and extra.
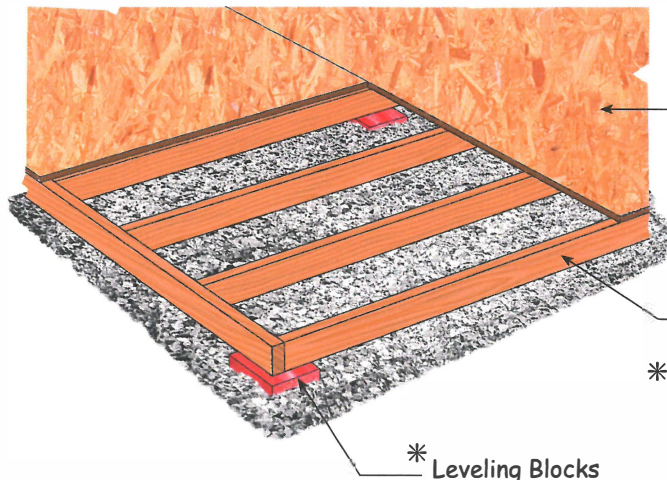
Optional Floor: Constructed with treated 2x4 framing. Floor joists are spaced 16" on center and covered with 5/8" OSB (oriented strand board).

Foundation Size

12'x8'...........12'-0" long x 8'-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.*

Job	Truss	Truss Type	Qty	Ply	
PER161316 8FT 9-12	T1	KINGPOST	1	1	Job Reference (optional)

Attach 7/16" 24/16 APA OSB Gussets As Shown
with 100% PL400 Glue Contact and (10) 0.113" x 2"
Nails per Truss Member

9.00 ⌐12
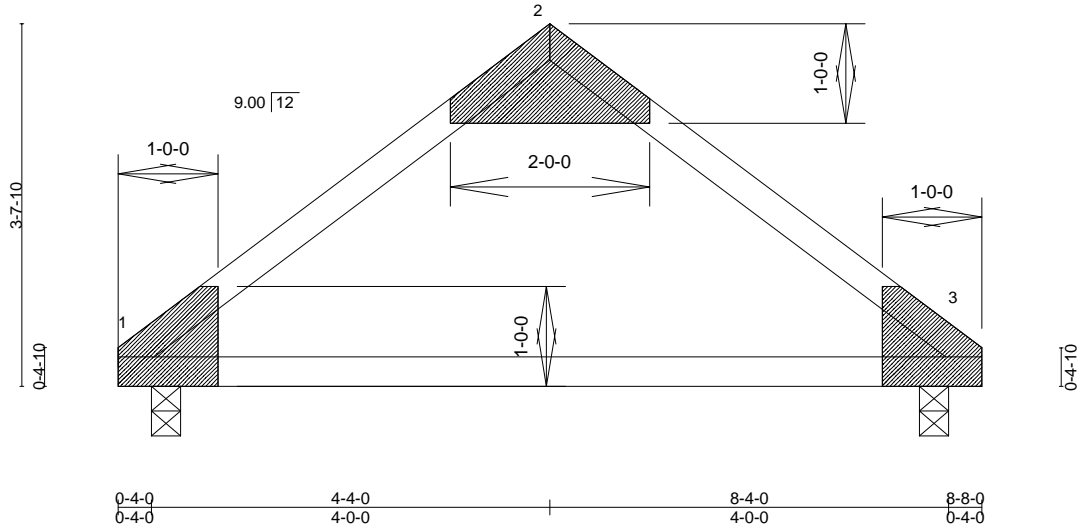
Attach Bottom Chord To Wall Top Plate
with (1) Simpson H2.5A Hanger Both Ends of Truss

Plate Offsets (X,Y)-- [2:0-2-0,Edge]

LOADING (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.8	Plate Grip DOL	1.15	TC	0.53	Vert(LL)	-0.25	1-3	>395	240	MT20	244/190
(Ground Snow=40.0)	Lumber DOL	1.15	BC	0.70	Vert(CT)	-0.51	1-3	>198	180		
TCDL 10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCLL 0.0 *	Code IRC2015/TPI2014		(Matrix)								
BCDL 10.0										Weight: 29 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.1

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.

MiTek recommends that Stabilizers and required cross bracing
be installed during truss erection, in accordance with Stabilizer
Installation guide.

REACTIONS. (lb/size) 1=423/0-3-8 (min. 0-1-8), 3=423/0-3-8 (min. 0-1-8)
Max Horz 1=-164(LC 6)
Max Uplift 1=-237(LC 8), 3=-237(LC 8)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-358/243, 2-3=-358/243
BOT CHORD 1-3=-47/236

NOTES-
1) Wind: ASCE 7-10; Vult=164mph (3-second gust) Vasd=130mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; B=45ft; L=28ft; eave=4ft; Cat. II; Exp C; enclosed; MWFRS (directional); Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 40.0 psf (ground snow); Pf=30.8 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 237 lb uplift at joint 1 and 237 lb uplift at joint 3.
6) 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.
7) "Pin all pitchbreaks" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

P.E. Robbins 1777 State Route 167

9/26/2016