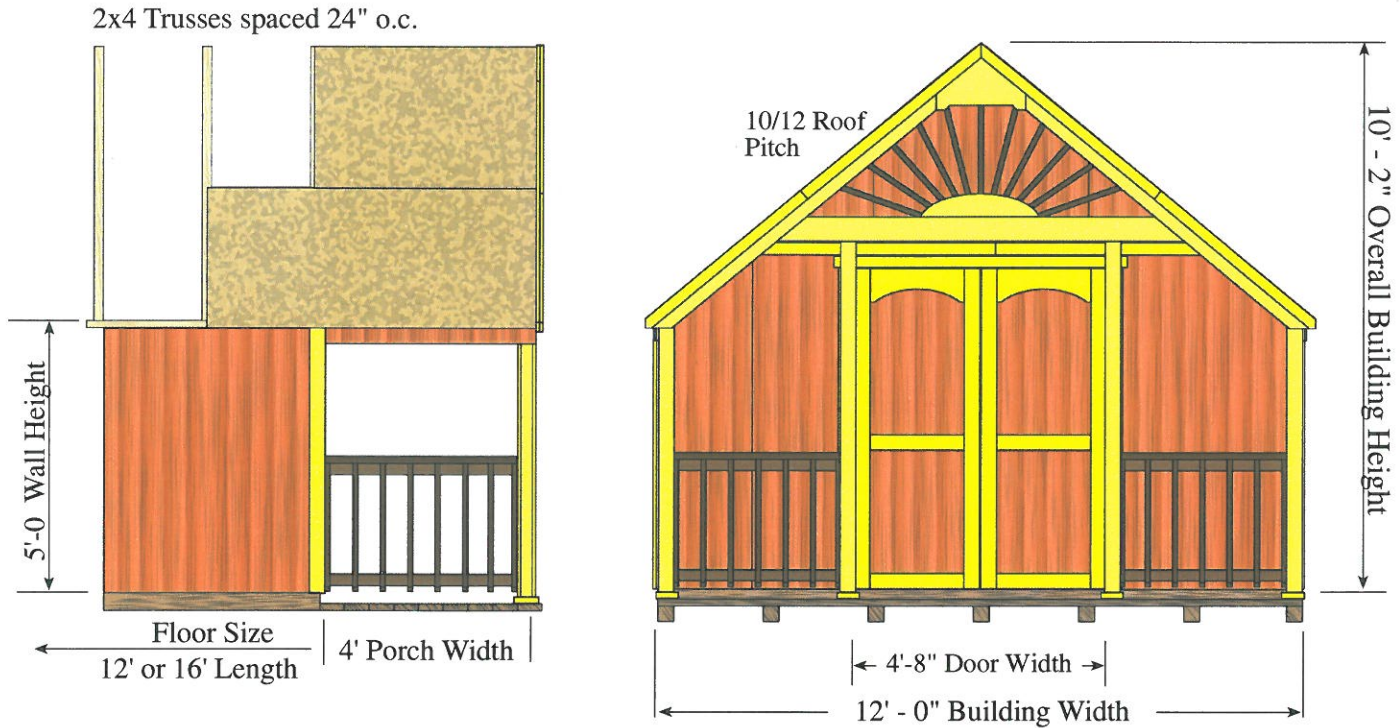


Before you order our kit or begin construction, obtain a building permit. If additional documents are required contact Richard@barnkits.com.



## GARDEN SHED ELEVATION



**Wall Framing:** Constructed from 2x4 pre-cut wall studs spaced 24" o.c. Bottom plate, top plate and a 2x6 tie plate included. Nails for all framing.

**Siding:** Louisiana-Pacific 'Smart Panel' with 8" o.c. groove. Primed cedar texture embossed into resin-saturated structurwood with 50 year warranty

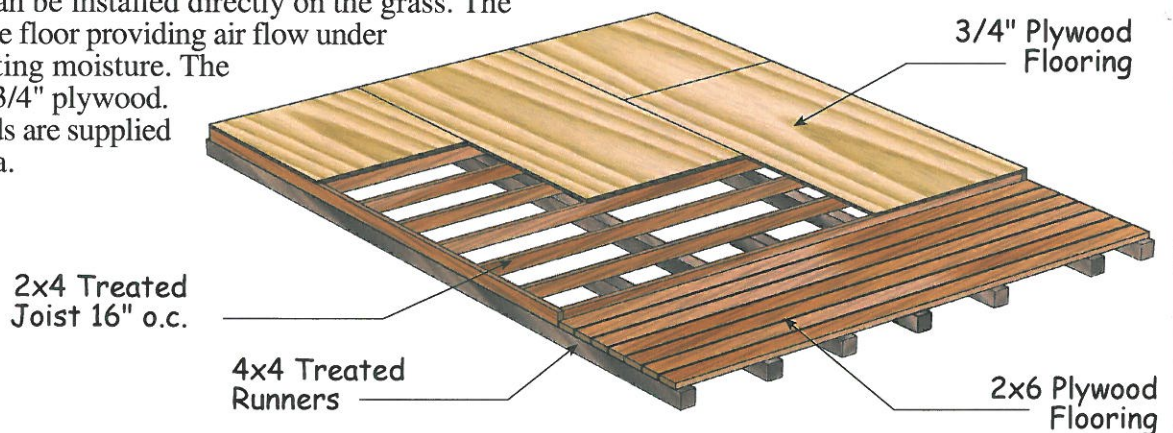
**Roof System:** 2x4 trusses spaced 24" on center, (25 psf ground snow load, 90 mph wind load). 7/16" OSB roof sheathing. Metal hurricane truss hangers included. *Shingles by owner.*

**Entry Doors:** Pre-built with 2x4 support frame covered with LP primed siding. White pine trim applied over siding. Black power coated hinges and swivel door latch supplied.

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

**Porch:** Pre-built white pine porch posts and pre-built treated porch railing. Pre-cut treated balusters for sunburst on porch gable

**Optional Deluxe Floor:** The deluxe floor consist of 4x4 treated runners can be installed directly on the grass. The runners elevate the floor providing air flow under the floor eliminating moisture. The floor covering is 3/4" plywood. Treated 2x6 boards are supplied for the porch area.





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Suite 110  
Dallas, TX, 75234  
1-800-521-3245  
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www.eaglemetal.com

To Whom It May Concern:

The attached truss design drawings referenced below have been prepared by me or under my direct supervision based on the design parameters provided by **Reynolds Building Systems** and are assumed to be in accordance with the appropriate building code.

Any changes to these parameters and/or information provided on the original truss drawing voids the affected sealed truss drawing and new information shall be submitted to this office for additional review.

Listed below are the truss designs included in this package and covered by this seal.  
Job Name: **Truss Design Riviera.pdf - 1026355**  
12

Please refer to individual truss designs for specific loading and design criteria.

10/10/2012

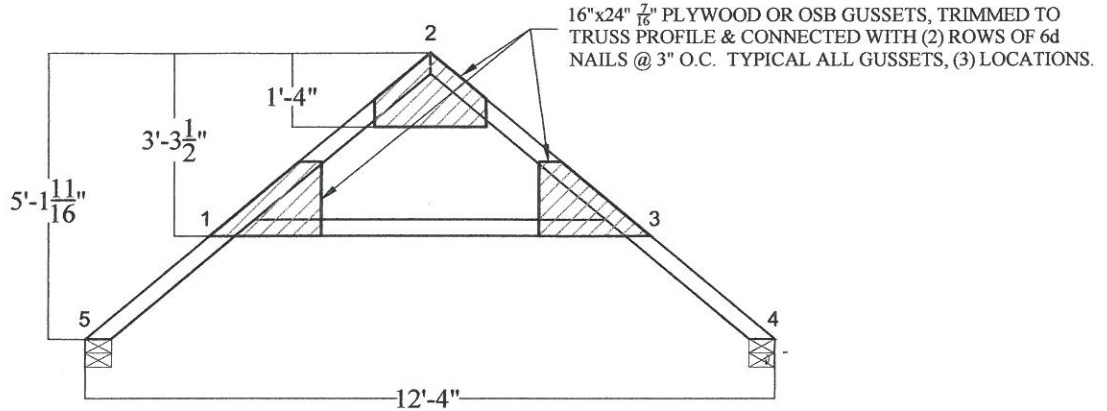


Arturo A. Hernandez  
(OH, 70961)

My license renewal date for the state of OH is 12-31-2012

The seal on these drawings indicates acceptance of professional engineering responsibility solely for the truss components shown. It is the responsibility of the building designer as to the suitability for use of each truss listed above.





**UNIQUE BEARING CONDITIONS REQUIRE SPECIAL ATTENTION:**  
THE BUILDING DESIGNER MUST ACCOUNT FOR NOT ONLY THE BEARING REACTION BUT FOR THE HORIZONTAL THRUST & THE UPLIFT. PROVIDE MECHANICAL CONNECTION (BY OTHERS) TO RESIST FORCES SHOWN.

ALL MEMBERS ARE 2x4 SYP #2.

**GUSSET CONNECTIONS:**

ATTACH (2)  $\frac{7}{16}$ " PLYWOOD OR OSB TO TRUSS WITH CONSTRUCTION GRADE WATERPROOF GLUE (PL400 OR BETTER) & (2) STAGGERED ROWS OF 6d COMMON NAILS, OR EQUIVALENT, AT 3" O.C. TO EVERY CONTACT MEMBER; STAGGER ROWS ON OPPOSING SIDES, ONE EACH SIDE. GUSSETS ARE 16" TALL BY 24" WIDE, TRIMMED TO TRUSS PROFILE. TYPICAL (3) LOCATIONS.

10/10/2012

Loading (psf)	General	CSI Summary	Deflection	L/	(loc)	Allowed
TCLL: 25	Bldg Code: IBC 2003/	TC: 0.42 (1-2)	Vert TL: 0.14 in	L / 999	(3-1)	L / 240
TCDL: 10	TPI 1-2002	BC: 0.51 (3-1)	Vert LL: 0.03 in	L / 999	(3-1)	L / 360
BCLL: 0	Rep Mbr Increase: No	Web: 0.00 (1)	Horz TL: 0 in			
BCDL: 10	D.O.L.: 115 %					

**Reaction Summary**

JT	Brg Combo	Brg Width	Rqd Brg Width	Max React	Max Grav Uplift	Max MWFRS Uplift	Max C&C Uplift	Max Uplift	Max Horiz
4	1	5.5 in	1.50 in	512 lbs	-	-126 lbs	-172 lbs	-172 lbs	598 lbs
5	1	5.5 in	1.50 in	512 lbs	-	-126 lbs	-172 lbs	-172 lbs	598 lbs

**Material Summary**

TC SYP #2 2 x 4  
BC SYP #2 2 x 4  
Webs

**Bracing Summary**

TC Bracing: Sheathed or Purlins at 6-1-0, Purlin design by Others  
BC Bracing: Sheathed or Purlins at 7-10-0, Purlin design by Others

**Loads Summary**

- This truss has been designed for the effects of balanced snow loads for hips/gables in accordance with ASCE7 - 05 except as noted, with the following user defined input: 25 psf ground snow load. NOTE: Conservatively, all flat/sloped roof factors have been ignored and the ground snow load has been used for the roof snow load, DOL = 1.15. If the roof configuration differs from hip/gable, Building Designer shall verify snow loads.
- This truss has not been designed for the effects of unbalanced snow loads.
- This truss has been designed to account for the effects of ice dams forming at the eaves.
- This truss has been designed for the effects of wind loads in accordance with ASCE7 - 05 with the following user defined input: 90 mph, Exposure C, Enclosed, Gable/Hip, Building Category II (I = 1.00), h=B=L=15 ft, End Zone Truss, Both end webs considered. DOL = 1.60
- Minimum storage attic loading has been applied in accordance with IBC 1607.1

**Member Forces Summary**

Table indicates: Member ID, max CSI, max axial force, (max compr. force if different from max axial force)

Member	Force	Member	Force	Member	Force	Member	Force	
TC 4-1	0.402	-787 lbs	1-2	0.422	-306 lbs	2-3	0.422	-306 lbs
BC 3-1	0.509	-528 lbs				3-5	0.402	-787 lbs

**Notes:**

- 1) Brace bottom chord with approved sheathing.
- 2) The "SYP" label shown in the "Material Summary" above indicates the new SPIB design values effective June 1, 2012 for No2 and lower grades 2"-4" thick and 2"-4" wide were used in this design.
- 3) Multiple pinned bearings exist.
- 4) Listed wind uplift reactions based on MWFRS & C&C loading.

