Obtaining a permit for your Best Barns or Sentry Buildings kit.

Building code offices and HOA's may require different documents to obtain a permit. The homeowners first step is to contact their local code office and ask what is needed for the size of building to be purchased.

Typically, the necessary documentation may include some or all of the following.

- Elevations showing at least two sides of structure.
- Site plan showing existing structures and proposed build site.
- Engineered drawings for truss system indicating snow and wind load ratings.*
- Cross sections of wall framing and foundation.
- Tie down locations for high wind load areas.

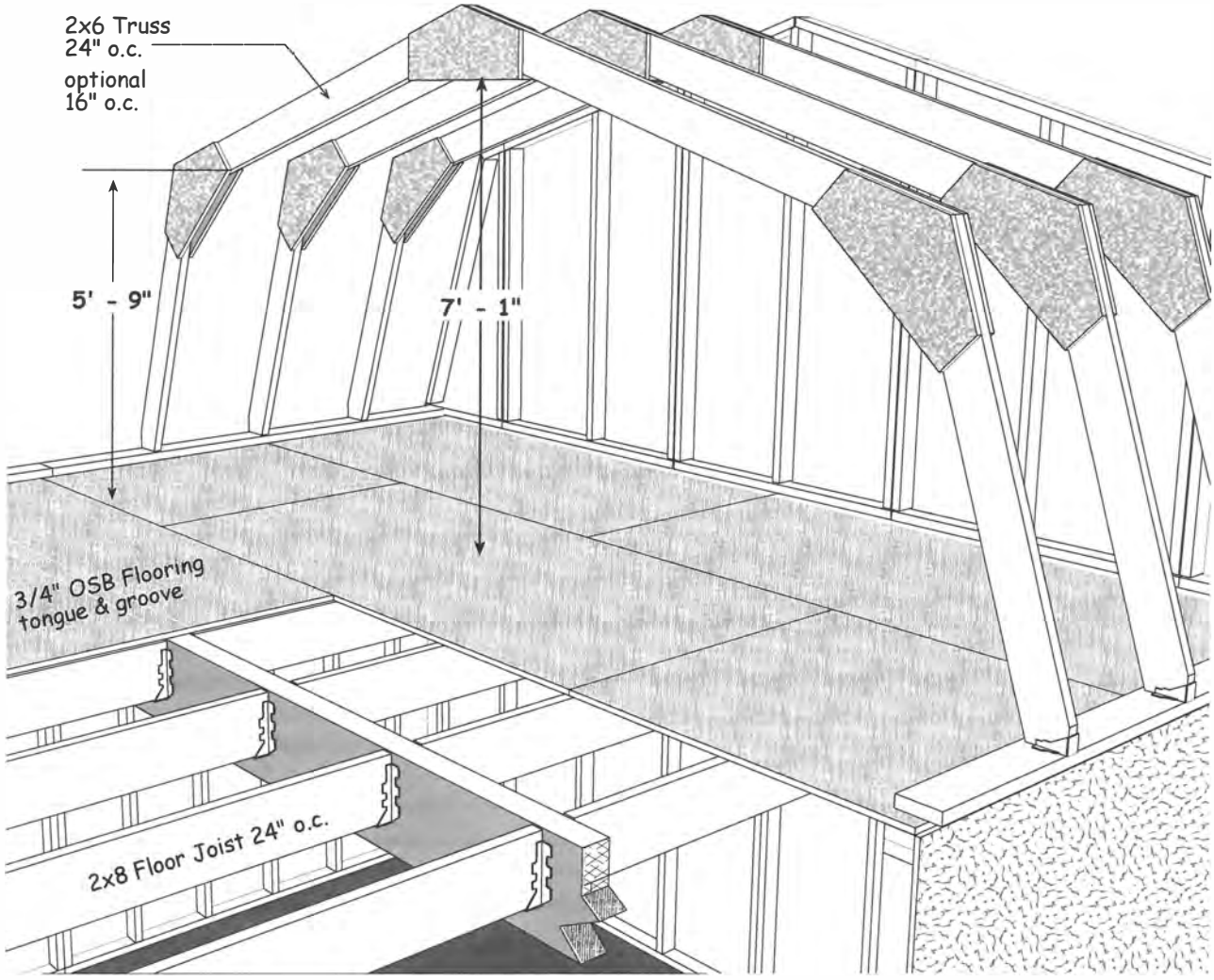
Permit requirements vary based on location. Some areas may not require a permit at all. The documents provided by Best Barns or Sentry Buildings are intended to help the homeowner with the permit process but do not guarantee a permit will be issued.** It is the homeowner's responsibility to determine if a permit is required and submit the necessary documentation if so.

* Engineered truss drawings stamped for your individual state can be obtained upon request. A deposit will be required if shed or garage kit has not yet been purchased. Contact us directly at 800-245-1577 for further details.

** Certain states such as Florida and California have stringent requirements for obtaining a permit. Depending on your location, a civil engineer's services may be required to provide necessary documents. These services are the homeowners responsiblity to obtain and are not included in the purchase of a shed or garage kit.

a division of Reynolds Building Systems, Inc.
205 Arlington Drive, Greenville, PA 16125
Phone 800-245-1577
email questions@barnkits.com

Richmond / Roanoke Cross Section & Specifications



General Specifications

Foundation: By owner

Wall Framing: 16" o.c. wall studs, designed to meet the international building codes of BOCA, IBC-IRC-2009 and 2012 Editions. Walls furnished with treated bottom plate.

Exterior Siding: Primed *3/8" Smart Panel* 8" o.c. groove with 50 year limited warranty.

Loft Floor: 2x8 floor joists, 3-1/2" x 11-7/8" support beam, 3/4" OSB tongue & groove floor.

Roof System: 2x6 trusses spaced 24" on center (30 psf flat ground snow load, 90 mph wind load). Covered with 7/16" OSB roof sheathing.

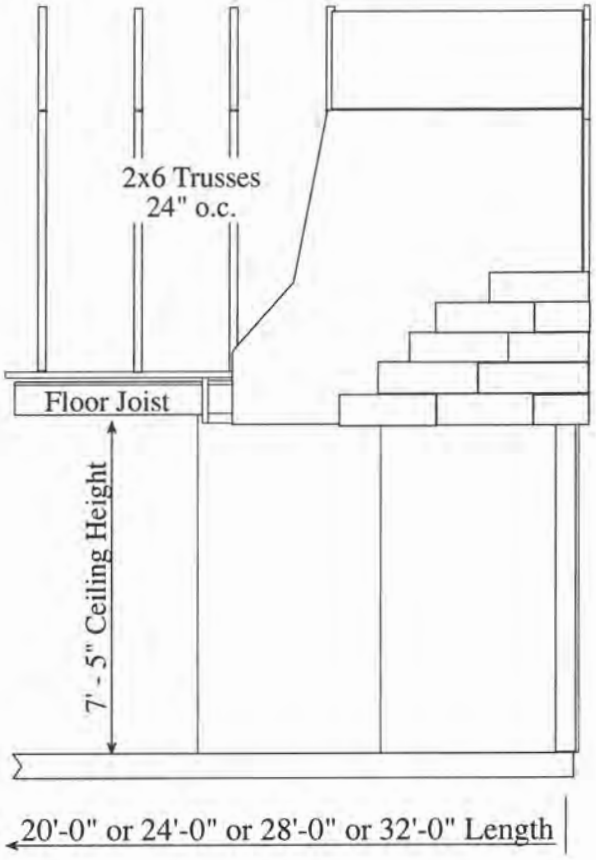
Optional 16" truss spacing provides 60 psf snow load with 152 mph wind load. *Shingles by owner.*

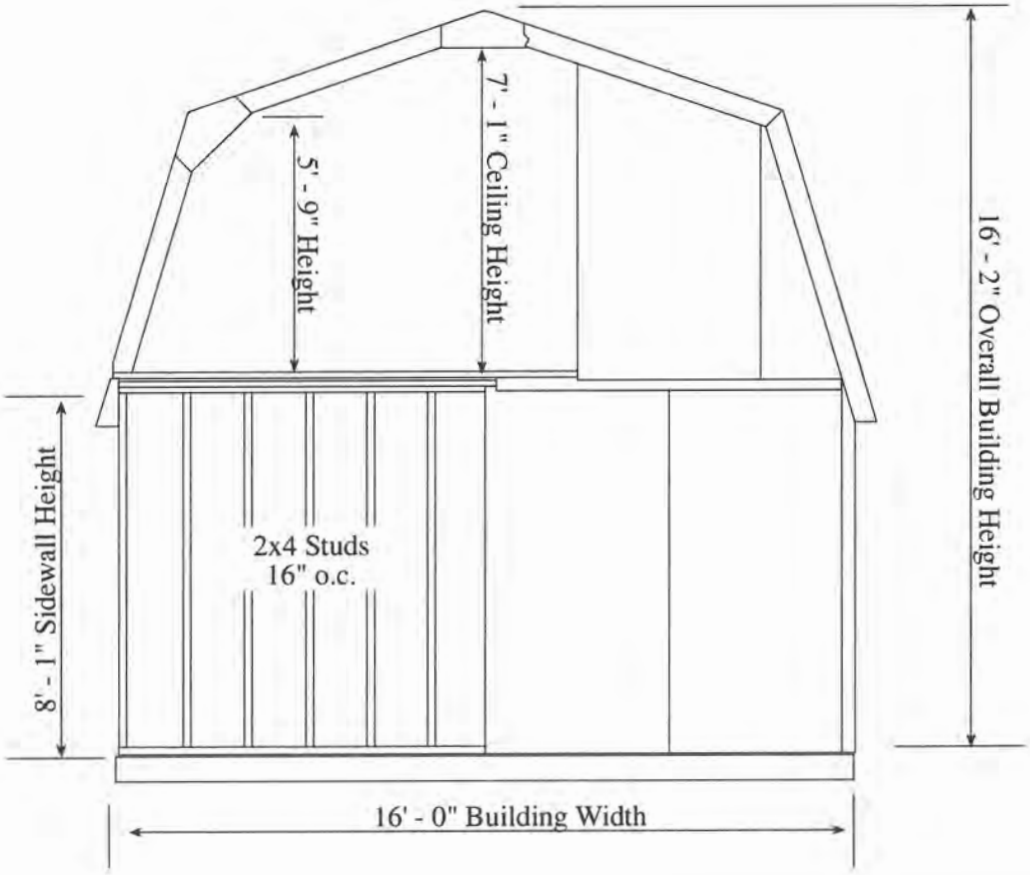
Exterior Trim: White pine trim for gable trim, corners, and barn doors for the Roanoke model.

Hardware: Nails for all framing, metal hangers for floor joist & hurricane hangers for trusses.

BEST BARNS
Quality Do-it-yourself Barn Kits

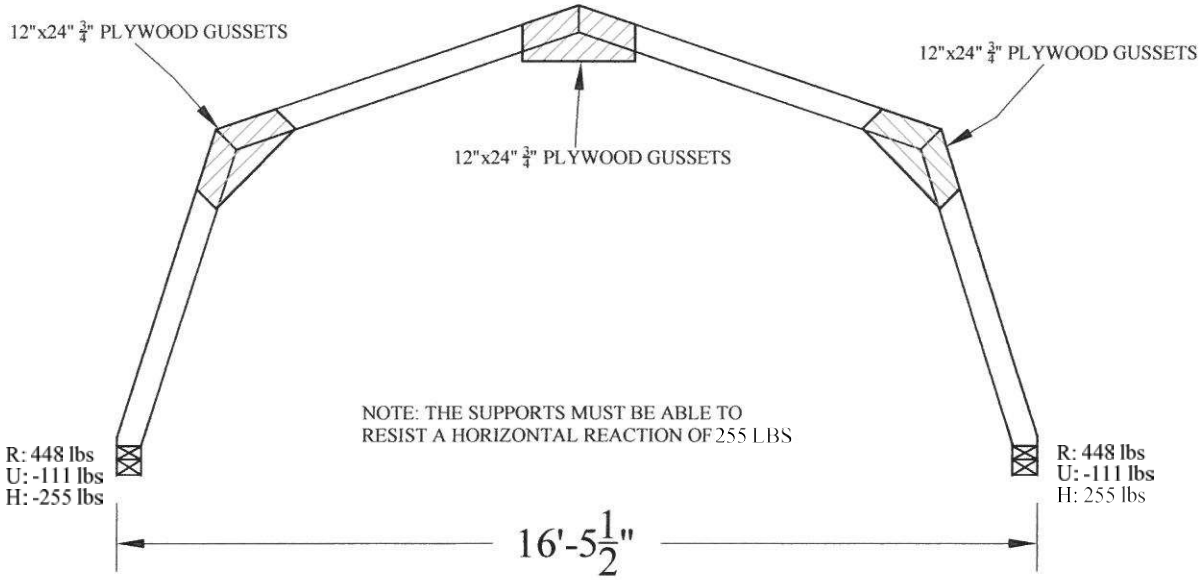
Richmond / Roanoke
Cross Section





TrueBuild® Software

Truss: T01 16
Job Name: RBS0108A
Date: 08/29/2014
Page: 1 OF 1



T01 16

PROBLEM:

THE SHED FRAMING MUST BE DESIGNED AND BUILT WITH PLYWOOD GUSSETS.

SOLUTION:

ATTACH 12"x24" (2) 3/4" PLYWOOD TO TRUSS WITH CONSTRUCTION GRADE WATERPROOF GLUE (PL400 OR BETTER) & (3) STAGGERED ROWS OF 12d COMMON NAILS, OR EQUIVALENT, AT 4" O.C. TO EVERY CONTACT MEMBER; STAGGER ROWS ON OPPOSING SIDES, ONE EACH SIDE. TYPICALY (3) LOCATIONS

THE DESIGN MAY BE INSTALLED AT 16" O.C. MAX.

DESIGN LOADING (IN PSF) IS:
GROUND SNOW: 30
DEAD: 12
WIND: 90 MPH EXP. B MEAN ROOF HEIGHT H=<30' CATEGORY 1

LUMBER DURATION IS 115%

THE LUMBER IS SPF #2 2x6

ASCE 7-05 Wind load 90 mph Vasd
ASCE 7-10 Wind load 115 mph Vult
IBC 2012, IBC 2009

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.

8/24/17

P.E. Robbins
1777 State Route 167
Victoria, IL 61485

PER171367

Richmond / Roanoke
16ft. wide x ___ft. long
2 Story Gambrel Building

Manufactured by:
Reynolds Building Systems, Inc.
205 Arlington Drive
Greenville, PA 16125
phone: 800-245-1577
fax: 724-646-0772

Common Foundation Cross Sections

This document illustrates common foundation types which can be used for construction of either the Richmond or Roanoke models. Alteration may be necessary to conform to homeowners intended use and or permitting requirements.

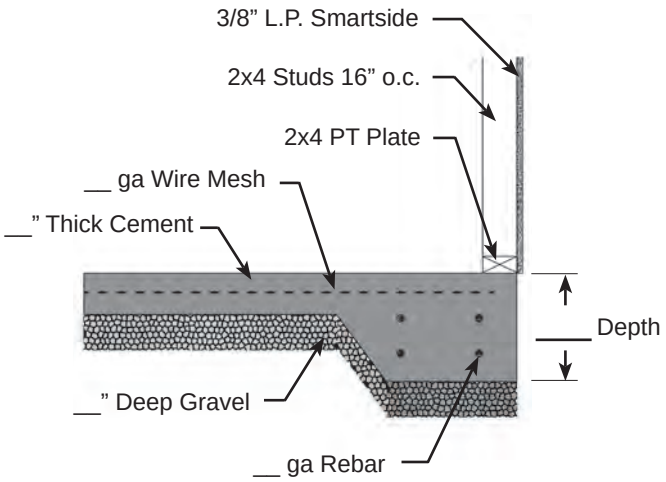
Drawings not to scale.

Instructions:

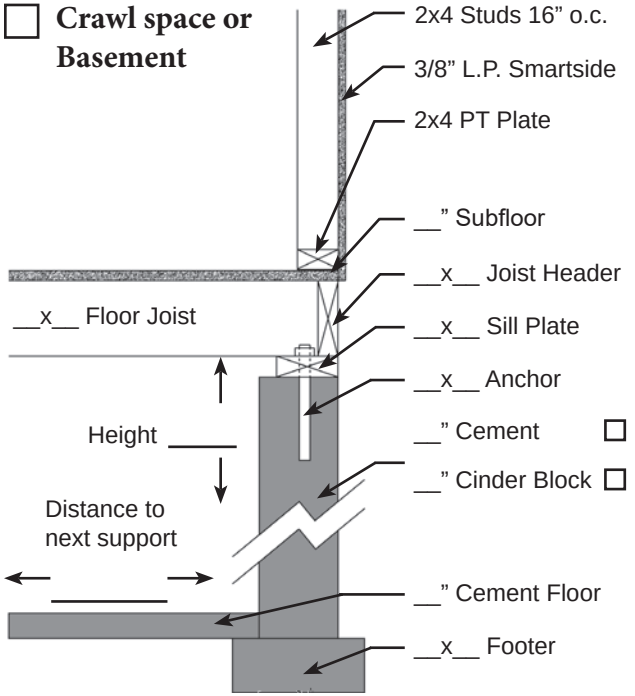
Check appropriate foundation cross section and provide specifications as necessary.

Homeowner may also design and draw in space provided for custom foundation type.

☐ **Concrete Slab**

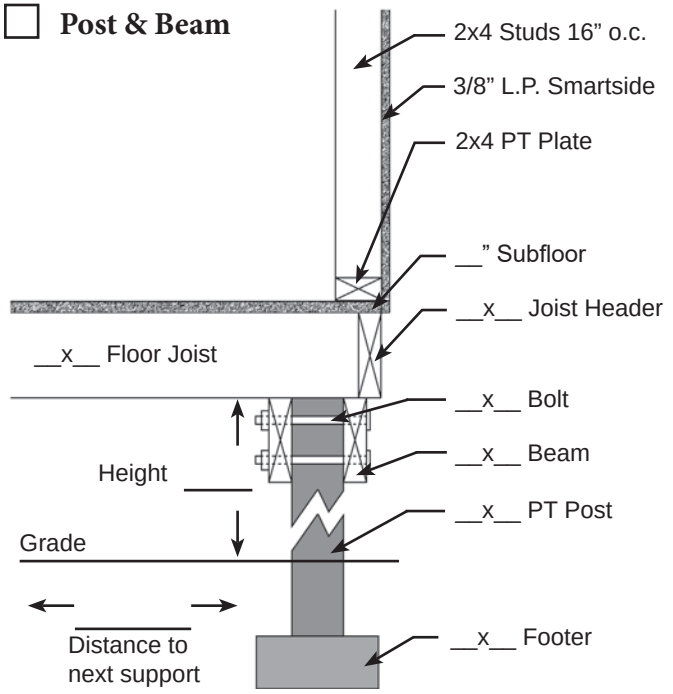


☐ **Crawl space or Basement**



☐ **Homeowner Design**

☐ **Post & Beam**



Richmond / Roanoke
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Truss & Wall Cross Section

Top of wall inclusive of LVL support beams, loft floor joists, wall framing and truss cross sections.

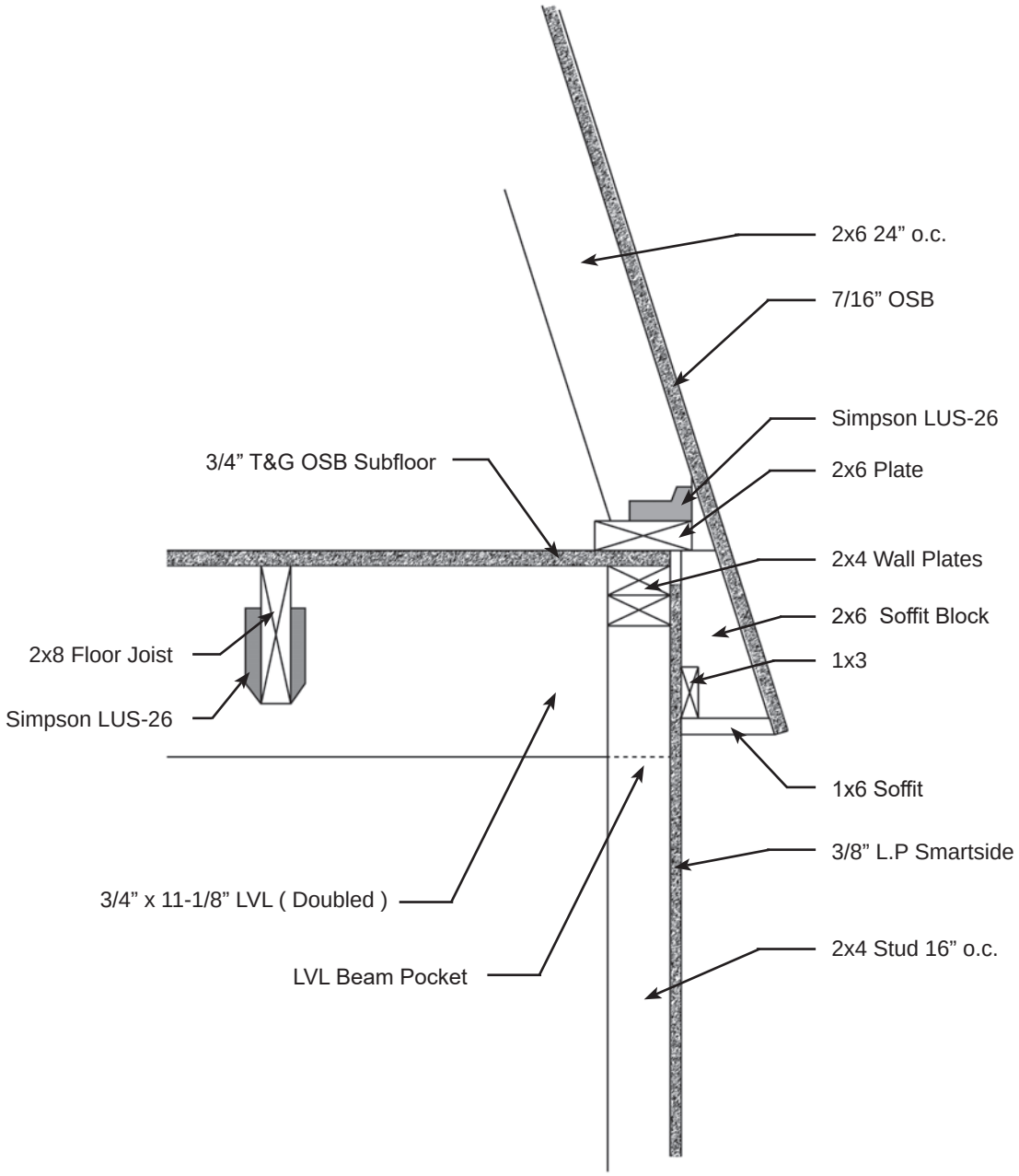
Drawing not to scale.

Instructions:

Homeowner may provide additional information as appropriate.

Notes:

Refer to installation manual for further detail.



Site Plan for:

_____

Manufactured by:
Reynolds Building Systems, Inc.
205 Arlington Drive
Greenville, PA 16125
phone: 800-245-1577
fax: 724-646-0772

Instructions:

Draw property line, existing structures and proposed placement of building.

Homeowner may also be required to show trees and shubs. Check with HOA or permit office for requirements.