

DC Ranch Trellis Design

Supporting Posts and Columns

The following guidelines are offered for Trellis design related to Style of the home. The design of a trellis shade structure needs to complement the architectural styling and detail of your home and be of the same scale as the elements of your home. A trellis on a Spanish Colonial style home would be made of different materials than one on a Craftsman style or Ranch style home. Look to your home for inspiration for the appropriate materials and colors for supporting posts such as:

For Spanish influenced design styles:

- Elegantly tapered precast concrete or carved stone columns with beams and trellises
- If corbels are a design detail in your home, repeat similarly scaled corbels in the trellis.
- Precast Concrete or carved stone columns – minimum of 12” diameter at the narrow end of a taper

For Western influenced design styles:

- Square stucco columns with or without stone bases– same size as on the architecture of the home or minimum 24” x 24”
- Square wood timber posts- minimum of 8” x 8” unless grouped with two or more posts that are 6” by 6” minimum. Posts can be enhanced with a battered or masonry base.

For Pueblo Territorial design styles:

- Pueblo style round peeled logs for posts

Column Spacing

Proportionate to the width of the opening but generally not further apart than 12 feet or same spacing a columns on the existing home when a trellis is an extension of a covered patio.

Lintels

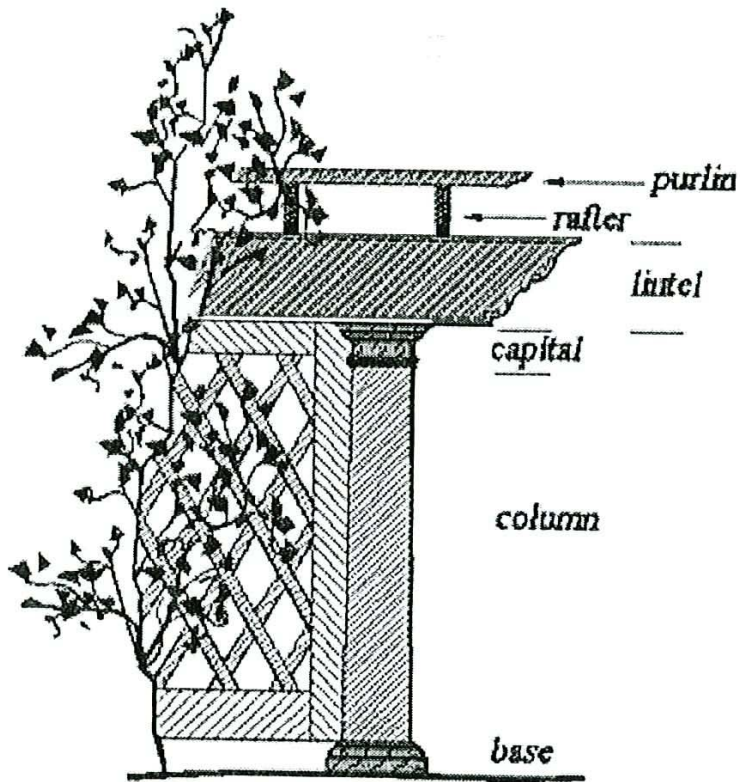
This is the horizontal beam that is carrying the rafters. Minimum size 6” wide X 10” high. Actual dimensions will need to be calculated by length of span but should not be less than these dimensions.

Rafters

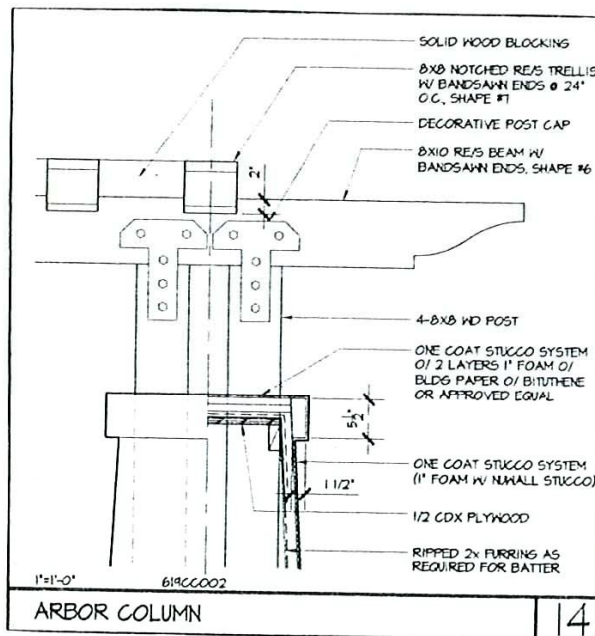
Wood, metal, or textured Composite materials are appropriate. Absolute minimum of 3” thick. No 2” material will be approved. 6” x 8” would be more normal.

Purlins

Cross pieces on top of the rafter for more diffuse shade. Minimum size 3” if wood timber. Smaller dimension composite materials or metal channels may be considered. These aren’t required depending on the rafter spacing. For Pueblo Territorial small dimension round wood or metal latillas may be considered.



Definition of Parts of a Trellis Structure



Typical detail by Camelot for multiple posts on a stucco or stone base.