

A department policy is based on an interpretation of a code provision and is subject to change based on new information.

TRUSS/RAFTER PLAN AND CALCULATION SUBMITTAL

Due to the increased complexity of residential structures being constructed in the county, truss plans and calculations must be submitted with the construction plans at the time of permit application (CBC appendix Chapter 1 section 106.1.1).

The rafter/truss to wall connection shall be made using a mechanical connection. This mechanical connection shall be capable of withstanding imposed wind uplifts (CBC 2308.10.1).

The following information shall be provided at a minimum for approval:

1. A truss profile for each truss type to be used on the project identifying the loading, support points, member sizes and grades, and bracing requirements. (Typically on 8 ½ x 11 format)
2. A truss layout plan identifying truss spacing and orientation, continuous lateral bracing locations with kicker locations to the diaphragm, supplemental bracing locations for overbuild, etc. (May be incorporated on the plans or on a separate 8 ½ x 11 format)
3. Typical bracing details complying with BWT-76 by the Truss Plate Institute. (Typically on 8 ½ x 11 formats.) Also, identification of mechanical fasteners at each of the bearing points. Toenailing is not an acceptable method.
4. A wet signature on the documents by a California licensed Civil or Structural Engineer.