

JEFFERSON COUNTY, WEST VIRGINIA

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Memorandum

TO: Home Builders, Developers, Engineers, & Architects.

FROM: Roger Goodwin
Chief County Engineer/Building Official

DATE: March 1, 2002

SUBJECT: Building Code - **Technical Memo No. 1**
Policy on Certification of Engineered Building Systems.

The Jefferson County Office of Permits and Inspections usually requires the following for certification of engineered building systems:

1. Engineered Roof Trusses for Residential Housing and Garages:

A. At the permit application phase:

The permit applicant shall submit a preliminary set of truss drawings with the permit application, or soon thereafter. A building permit will be issued only after the preliminary set of truss drawings is received by the Office of Permits and Inspections.

It is not necessary that the preliminary set of truss drawings be sealed, signed and dated by a licensed structural engineer at the permit application phase.

The truss drawings shall include:

- a. subdivision name (if applicable)
- b. lot number
- c. applicant's name
- d. any other information identifying the location of the structure to which they apply.

B. Prior to scheduling the framing inspection:

The permit applicant shall submit certified engineered truss drawings that are sealed, signed and dated by an engineer licensed in the state of West Virginia, prior to scheduling a framing inspection.

The truss drawings shall include:

- a. subdivision name (if applicable)
- b. lot number
- c. applicant's name
- d. any other information identifying the location of the structure to which they apply.

Framing inspections will be scheduled only after the certified truss drawings are received in the Office of Permits and Inspections.

Note: The permit applicant may submit certified engineered truss drawings at the time of permit application if he/she so desires.

2. Engineered Roof Trusses for Storage Sheds and Out Buildings, etc.

Engineered Truss Drawings shall be provided only if deemed necessary by the building inspector/plan reviewer.

If engineered truss drawings are required, then they shall be signed, sealed and dated by a structural engineer licensed in the state of West Virginia.

3. Beams & Girders

a) Steel beams are required to be designed by a structural engineer and a certified drawing shall be provided that is signed, sealed and dated by an engineer licensed in the state of West Virginia.

b) For engineered wood beam/girder systems such as LVL's, Paralams, Microlams, etc., the permit applicant shall provide to the Office of Permits and Inspections, at the permit application phase, the following:

1. The manufacturer's installation instructions, load/span tables, and specifications, etc.

2. A drawing showing the:

size of the beam or girder system to be installed.
location of the beam/girder
location and type of column/pier supports
the beam/girder span lengths.

A structural engineer's certification shall be provided if deemed necessary by the building inspector/plan reviewer. The certified drawing shall be signed, sealed and dated by a structural engineer licensed in the state of West Virginia.

4. Engineered Floor Systems.

For engineered floor systems, the permit applicant shall provide the manufacturer's installation instructions, load/span tables, and specifications, etc., to the Office of Permits and Inspections. This information shall be provided at the permit application phase.

An structural engineer's certification shall be provided if deemed necessary by the building inspector/plan reviewer. The certified drawing shall be signed, sealed and dated by a structural engineer licensed in the state of West Virginia.

Note: This policy is a general guideline and the Office of Permits & Inspections reserves the right to amend or impose more stringent requirements upon review the permit application, as deemed necessary, on a case-by-case basis.