



Clark County Building Department

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Division:	Plans Exam, Engineering, & Inspections	Policy & Procedure:	BD-PP-217
Subject:	Engineered Wood Trusses and Steel Joists	Effective Date:	05/01/2007
Code:	2024 IBC Sections 2207 and 2303.4	Revised Date:	06/10/2026

A. POLICY

The Clark County Building Department requires submittal and approval of an Engineering Wood Truss or steel joist package when those components are used as a floor and/or roof support structure.

An Engineered wood truss/steel joist package shall consist of a truss placement plan/joist layout plan, engineered sealed wood truss design drawings, and engineered sealed calculations. Engineered wood trusses and steel joists may be submitted as a deferred submittal in accordance with policy and procedure BD-PP-219.

B. PROCEDURE

1. In addition to all the other required documentation to be submitted for a building permit, an engineered wood truss/steel joist package is a required document for the permit.
2. When the structure is designed by a Nevada licensed design professional, the following process shall occur:
 - a. Final truss placement/steel joist layout plans, engineered sealed wood truss design drawings, and engineered sealed calculations shall be delivered to the licensed design professional of record, for review.
 - b. The design professional shall review the truss placement plans/steel joist layout plans, wood truss/steel joist design drawings, and calculations for conformance with the construction design documents. Upon acceptance, the licensed design professional shall either place a signed and dated “shop drawing review stamp” on the truss/joist package or issue a signed letter of approval for a dated truss/joist calculation package.
 - c. In addition to the normal review of the submitted documentation, the plans examiner assigned to the project will review the truss/joist package for the following items:
 - 1) Nevada professional engineer’s seal, signature, and date on the wood truss design drawings and the wood truss or steel joist calculations.
 - 2) The “shop drawing review stamp” or signed letter of approval from the licensed design professional of record on the project.
 - 3) The truss/joist placement for general conformance to the submitted plans.
 - 4) The location of the truss/joist bearing points for consistency with bearing walls, beams, headers, posts, etc.
 - 5) Location and magnitude of concentrated gravity loads for consistency with the design documents.

- 6) Location and magnitude of lateral/drag loads for consistency with the design documents.
 - 7) The fabricator is verified as a Clark County approved wood truss manufacturer or steel fabricator.
3. When the structure is not designed by a licensed design professional and the design utilizes the conventional light frame construction methods from the International Building or Residential Code, the following process shall occur:

In addition to the normal review of the submitted documentation, the Plans Examiner assigned to the project will review the engineered wood truss/steel joist package for the following items:

 - a) Nevada professional engineer's seal, signature and date on the truss/joist design drawings and calculations.
 - b) The truss/joist placement for general conformance to the submitted plans.
 - c) The location of the truss/joist bearing points for consistency with bearing walls, beams, headers, posts, etc.
 - d) The top chord dead and live loads used in the design of the trusses/joists.
 - e) Bottom chord dead and live loads used in the design of the trusses/joists.
 - f) Location and magnitude of concentrated gravity loads.
 - g) The fabricator is verified as an approved wood truss manufacturer or steel fabricator.
4. The plans examiner, upon acceptance, will stamp the engineered wood truss or steel joist package as "reviewed" and it will be included with the other approved documents issued with the building permit and sent to the Building Department Records Office.
5. When significant design changes occur after the review is completed, where modifications to the trusses/joists are made due to framing plan changes, the Building Department shall require submittal of revised plans, calculations, and truss designs as a revision to the building permit.
6. When repairs or fixes are required, the applicant shall submit the appropriate documentation to the Building Department as a revision to the building permit.
7. When an engineer other than the original truss/joist design engineer prepares truss/joist plans and calculations for final construction, a complete truss/joist design package must be resubmitted with the new engineer's stamp and signature. This submittal shall follow the procedure above and be processed as a **deferred submittal** and assessed hourly charges as allowed by Clark County Building Administrative Code.

Related Policies and Procedures

BD-PP-219 Deferred Plan Submittal Requirements

Prepared By: Engineering Division		Date Prepared: June 2026	
Revision History:			
Title	Revision/Approved Date	Effective Date	
Engineered Wood Trusses BP-PP-060		05/01/2008	
Engineered Wood Trusses BP-PP-060	08/30/2010		
Engineered Wood Trusses and Steel Joists BP-PP-217	01/01/2021		
Engineered Wood Trusses and Steel Joists BP-PP-217	06/10/2026		
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Engineered Wood Trusses and Steel Joists			