



TRUSS SUBMITTAL GUIDELINE

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In addition to any other code requirements, the following procedures will be followed for all truss and I-joist packages submitted for approval. These are minimum standards and are not intended to be all-inclusive:

The layout plan and engineering package from the truss manufacturer must be reviewed and accepted by the Engineer of Record prior to submittal and must be approved by the Building Division. Connection requirements for truss-to-truss, truss to beam/structure, truss ply to ply, and field splices shall be designed, specified and sealed by a qualified Nevada Licensed Civil or Structural Engineer. Connection requirements not provided by the building Engineer of Record must be reviewed and accepted, without exceptions, by the Engineer of Record prior to submittal.

Whenever the approved truss manufacturer changes, complete truss placement diagrams/ engineering packages prepared by the new truss manufacturer must be submitted by the Engineer of Record prior to permits, construction and inspections.

Wood Trusses Submission Package: Engineering packages will be sealed by a Nevada registered engineer and cover letter sealed and digitally signed by a Nevada registered engineer, bound together as a unit with the layout plans. The package shall include:

- Layout and calculations. These shall comply with section 2303.4 2021 IBC.
- Name of project, date, truss manufacturer, customer name, job name, plan or building identification.
- All plans, engineering and cover letter are sealed, date stamped and digitally signed. They will all be bound together as a unit.
- Fabricator identification and code approval agency and the year of the IBC Code used for the truss design.
- Development and building identification. Location and spacing of all trusses/joists. Minimum sizing required at all bearing locations.
- Date of placement diagrams drawing, Identification of all trusses referenced to truss placement diagrams sheet.
- Each truss type with a separate designation referenced to the truss drawings for different shapes, spans, web configuration or loading conditions. More than one truss designation may be specified on individual engineered drawing.
- Any chord load conditions other than standard. Material specifications including species, grade, and size for chords and webs.
- Any concentrated loads, drag loads, or shear transfers per plans and specifications. All design live loads shall be per Table 1607.1
- The name, size and gauge of metal connector plates at each joint of connector plate manufacturer and their ICC approval.
- Forces in each member with a designation showing whether forces are in tension or compression.
- A Nevada registered engineer must seal each individual truss design and hanger schedule.

Note: Trusses Spanning 60 ft. or greater (also see 2021 IBC 2303.4.1.3): The owner or the owner's authorized agent shall contract with any qualified registered design professional for the design of the temporary installation restraint and diagonal bracing and the PITMR and PITMDB for all trusses with clear spans of 60 feet or greater. Special inspection is required per 2021 International Building Code.

Proof of fabricator approval: All fabricators must submit copies of International Accreditation Service Certification as an approved fabricator or inspections done by an approved third party agency to receive Building approval. Have truss package fabricator approved by Clark County prior to submission. (must be shown on Approved Fabricator list).

Note A: "Copies" of approved truss drawings and placement diagram sheets are maintained at jobsite and building department. "Wet" sealed truss drawings are not required at the job site, except for field repairs.

Note B: Fabricator's name on approved placement engineering package and fabricator's ID on trusses must match and be from approved fabricator list with the Building Dept. When placements differ, inspections will be stopped until the correct placement packages have been approved properly.

Note C: Fabricated trusses lumber, and steel connectors must be identified in sufficient quantity to determine truss manufacturer, grade, and species of lumber and steel connector manufacturer.

Note D: All truss field repairs require a "Wet" seal of a Nevada Licensed Civil or Structural Engineer and are to be submitted as revisions. Prior to submittal, all truss repairs must be reviewed and approved by the building engineer of record for compatibility with his/her design.

Steel Open Web Joists and Steel Joist Girders Submission Package: The shop drawings and calculations may be deferred subject to the approval of the Building Official, and only upon satisfactory completion of the following requirements:

- The plans submitted for plan check shall include a complete plan placement diagram of the joists and girders showing size, location and spacing of the joists and girders, with separate designations for different shapes, spans or loading conditions. All lateral supports, openings and roof top units shall be shown.
- Show all connections to supports, bearing points and all connections showing a complete load path capable of transferring vertical and lateral forces from point of origin to the load resisting elements.
- The Structural Engineer of Record shall specify the sizes of joist/girders with standard loads and provide a special loading diagram for joists/girders requiring custom design by manufacturer due to concentrated loads, hanging loads, sprinklers and non-uniform loads such as mechanical equipment. It is the Engineer of Record's responsibility to specify these loads, along with wind uplift loads.
- Deferred submittal items shall include detailed structural calculations of joists/girders and complete shop drawings by manufacturer and/or fabricator as detailed in items II and III above. These documents shall be stamped and signed by a Nevada registered professional engineer. The Engineer or Architect of Record shall review these documents and forward them to the Building Official with a notation indicating that the deferred submittal documents have been reviewed and found to be in general conformance with the design of the building.
- The Building Division shall determine the deferment time period for submissions.