

STEEL FRAMING INDUSTRY ASSOCIATION OBSERVATION REPORT PROTOCOL**TRUSS FABRICATOR****GUIDELINES FOR THE INSPECTOR**

1. On site Observation Report by Recognized Engineer (PE) every year (prior to issuance of Certification, or during the 12-month period prior to application for renewal of certification)
2. Not everything on the following list must be observed. However there some key items that must be evaluated.

Truss applications, including:

- i. Chord size and alignment
 - ii. Web size and alignment
 - iii. Connections
 - iv. Post fabricated truss handling techniques
3. When reviewing an installation, first establish are the trusses site built or in truss fabrication facility. For example:
 - i.e. Name of project if site built
 - Location of fabrication facility
4. Limitations:
 - This guide is limited to steel materials that can be verified.

The number of trusses to be evaluated are as follows:

For trusses assembled in a fabrication facility or other controlled environment: minimum of 10 trusses randomly selected.

For trusses assembled on site: Minimum of five trusses randomly selected from the main truss profile that is predominately used for the structure, plus two additional trusses from each additional profile, up to a maximum of five profiles or 10 trusses.

This guide should only be used as an aid to observing **cold- formed steel truss fabrication**. It is not intended to approve installation as to project design or to meet local building code requirements.

Observation Checklist for Truss Fabrication

SFIA Fabricator: _____

About the assembly Inspected

Project Site Name/assembly plant: _____

Date of Observation: _____

1. Observe Cold-formed steel web to chord interface

- Appropriate attachment of chord to web
- Appropriate top and bottom track
- Proper installation of top track to structural steel – spray fireproofing/stand-off clip

Comments _____

2. Observe chord framing

- Size
- Mil thickness or gage
- Orientation
- Facing same direction with aligned knockouts

Comments _____

(Observation report, Truss Fabrication, page 2, _____ / _____)
(project name/identifier) (date)

3. Observe fastening mechanism

- Appropriate for intended purpose
- Appropriate installation method
- Appropriate installation

Comments _____

4. Observe member connector accessories – gusset plates or prefabricated connectors

- Appropriate size
- Appropriate mil thickness or gage
- Appropriate for fastening mechanism

Comments _____

5. Observe chord framing

- Size
- Mil thickness or gage
- Orientation
- Facing same direction with aligned knockouts

Comments _____

6. Observe panel jig

- Appropriate to meet continuous use without loss of critical truss component alignment
- Appropriate tolerance limits for fabrication

(Observation report, Truss Fabrication, page 3, _____ / _____)

Comments _____

7. Observe post fabricated truss

- Completed truss structurally sound (stable and undamaged)
- Completed truss substantial conformance to approved drawings

Comments _____

8. Observe storage of post fabricated truss

- Appropriate storage to maintain geometric web to chord alignment
- Appropriate protection against incidental and environmental damage

Comments _____

9. Observe post truss fabrication handling

- Appropriate handling through panel points
- From fabrication to inventory
- From inventory to distribution

Comments _____

(Observation report, Truss Fabrication, page 4, _____ / _____)

Attestation