

Building Codes

111 S Cherry Street Suite 2000
Olathe, Kansas 66061



July 1, 2020

To: Truss Designers and Manufacturers

Please Revise all truss construction documents to indicate that the structural design is in accordance with the **2018 International Building Code (2018 IBC) and or the American Society of Civil Engineers Standard (ASCE 7-16)**.

Truss construction documents shall be prepared by a design professional registered in state of Kansas. These documents shall be submitted to the codes department for review and approval prior to installation. Submitted truss shop drawings shall indicate, at a minimum, the information specified below:

1. Slope or depth, span and spacing
2. Location of joints
3. Required bearing widths
4. Design loads as applicable
5. Top chord live load (including snow loads)
6. Top chord dead load
7. Bottom chord live load
8. Bottom chord dead load
9. Concentrated loads and their points of application
10. Controlling wind and earthquake loads
11. Adjustments to lumber and metal connector plate design values for conditions of use
12. Each reaction force and direction
13. Metal connector plate type, size, thickness or gage, and the dimensioned location of each metal connector plate except where symmetrically located relative to the joint interface
14. Lumber size, species, and grade for each member
15. Connection requirements for:
 - 15.1. Truss to truss girder
 - 15.2. Truss ply to ply
 - 15.3. Field species
16. Calculated deflection ratio and/or maximum deflection for live and total load
17. Maximum axial compression forces in the truss members to enable the building designer to design the size, connections and anchorage of the permanent continuous lateral bracing. Forces shall be shown on the truss construction documents or on supplemental documents and
18. Required permanent truss member bracing location.

Note: Roof trusses shall be designed for the following minimum design loads:

- Ground Snow load: 20 psf
- Roof snow load: 20 psf
- Wind loads: 110 mph for exposure "C". (For Risk Category II Buildings and Other Structures)
- Seismic Design Category: B

Effective July 1, 2020, trusses will only be accepted when designed to the above criteria.

A handwritten signature in black ink, appearing to read "Anoush Fardipour".

Anoush Fardipour
Johnson County Building Official