Steel Joist Institute

SJI 100-2025 Standard (replaces ANSI/SJI 100-2020)

Proposed Changes - Overview

At its February 2025 Committee Meeting, the Steel Joist Institute (SJI) Engineering Practice Committee (EPC) determined that certain changes in the current Standard were required.

The EPC developed these changes and submitted them to the SJI Board of Directors.

The SJI Board of Directors voted to proceed with the process of getting the changes reviewed by a consensus body, established under SJI / ANSI Procedures.

After the EPC proposal was finalized, the SJI Managing Director initiated the proper notification to the American National Standards Institute (ANSI), utilizing the ANSI Project Initiation System (PINS) form.

Summary of proposed changes for SJI 100. All edits are neutral or conservative in nature.

All referenced specifications, codes, and standards will be noted in the most recent versions available.

User note on page 10

Under section 4.3.2 Compressive Members – in plane and out of plane definition is added on page 12

User note on page 12

In Table 4.3-1, note (2) is added for radius of gyration on page 14, as well as the User Note that follows on page 15.

Under section 4.4.1, some additional explanation is added to explain design of web members, on page 15

On pages 16-18, numerous edits are added for clarity

Under Section 4.4.2, additional information provided for clarity on web design.

Under Section 4.5.1, testing requirements for welding personnel at manufacturer are added on page 23

User note concerning special camber on page 25

Under Section 4.7, User note on verification of manufacturer revised for clarity on page 25

In Table 5.4-3 Joist Section Numbers revised for clarity on page 29

Under Section 5.5.2.1 Effective Length Factor revised for clarity adding flush frame connection joists on page 31

User note added after Section 5.6, Installation of Bridging on page 36

Any questions concerning this information can be addressed to:

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