

SteelSmart™ System 6.0, What is New:

New Lateral Load Generator/Distributor and Integration with SSS-SW Design Module:

The Lateral Load Generator/Distributor tool takes dimensions and load specs for a building and calculates the total lateral wind and seismic loads. Then it distributes the lateral loads between floors and between shear walls in each floor. The distribution method takes into consideration type of floor diaphragm (rigid or flexible) and torsional effects of rigid diaphragms. The tool exports load data to SW design module and full output to a standard Excel sheet.

New Moment-Resisting Short Wall Framing Component

A new design component module that includes templates interior partition short wall, parapet wall and strip window framing using moment-resisting MidWall™ framing.

New Layout and Connection Details Drawer (Drawing Generator)

A major addition to SSS6.0 is the new Layout and Connection Details Drawer that plots framing layout of the wall and adds the connection design data (clip designation, # of fasteners, embedment, and screw pattern) to the typical connection detail. The drawing can be exported in AutoCAD® DXF format.

New Building Design Code

The new building design code “2009 IBC” with the new CFS design specification “AISI S100-07” are implemented in SSS6.0.

Updated Section Properties Calculator

Built-up sections have been added to the database of the Section Properties Calculator. This allows the calculation of section properties and design loads for shapes such as back to back, toe to toe, boxed header, and multiple stud/track section shapes.

Updated Load Bearing Wall Component Design

A new load bearing post template has been added into the load bearing component design.

Updated StiffWall® Shear wall Component Design

Welded boot-to-column option has been added as connection alternative for bolts in the StiffWall® Shear wall Component Design.

Updated Section Layout for Stud Design

Toe-to-Toe section layout has been added to the available section layouts (Back-to-Back and Single section) for vertical stud member design.

Updated Lateral Bracing Options

Flat Strap has been added to available lateral bracing (bridging) members.

Updated HILTI Fasteners Database

Fasteners database has been updated to reflect new Hilti fastener types (X-U..... etc).

For more information on SSS 6.0 visit <http://www.steelSMARTsystem.com>.