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Webinar goal

To review easy ways to enhance the constructability of steel-framed structures.

Keep in mind.....

These tips are only suggestions.

There are often several good solutions.

The best solution often depends on local construction practices and contractor preferences.

The best design is one that provides steel fabricators with options and flexibility.

















































(See AISC Steel Construction Manual for limitations and procedures regarding design of single-plate and single angle connections.)

Tip #6





Permit the use of short-slotted holes in shear connections

Example of what *not* to specify:

"All bolts shall be $\frac{3}{4}$ " diameter. All holes shall be 13/16" diameter."

Most fabricators require short-slotted holes holes in shear connections to accommodate tolerances and facilitate steel erection. (SSL holes are needed when beams are cambered.)

AISC connection design procedures permit the use of SSL holes with snug-tightened bolts for most types of shear connections

Tip #8

















































































































































































