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about something related to structural steel design or construction, *M* C 's monthly Steel Interchange column is for you! Send your questions or comments to solutions@aisc.org.

When calculating S_e for a box section with slender flanges, should the full S_x of each web be included?

B D , S.E., P .D.

Can you please provide some recommendations on whether or not to use double-angle connections, bolted to a beam and welded to an HSS column when the connection is subject to axial tension?

B T , P.E., P .D.

We are designing a building with special moment frames as the seismic force resisting system. Are open-web joists allowed to bear on the beam in the protected zone?

L S. M , P.E.

The AISC *Steel Construction Manual* Table 1-1 lists the workable gage for a W14×145 as 3-7½-3. These large W14 sections are the only members in this table that have the gage listed as such. Can you please explain this gage designation?

E C LEED GA

Does AISC *Code of Standard Practice* Section 10.2.4 regarding AESS fabrication tolerances apply to stiffener clips at the radius on a wide flange?

H M , S.E., P.E.

Does AISC's *Detailing for Steel Construction*, 3rd Edition, have connection design examples similar to those contained in the 1st Edition?

www.aisc.org/designexamples.

E C LEED GA

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In a two-story "X" type OCBF, must the beam and braces above resist the unbalanced forces as specified in AISC 341 Section 14.3(1)?

H M , S.E., P.E.

Is there a maximum number of washers that can be used in a high-strength bolted connection?

L S. M , P.E.

In a slip critical connection, can one member have long slots parallel to the direction of the load and the other have long slots perpendicular to the load?

B D , S.E., P .D.

Section 2.2 of the 2009 RCSC *Specification* states that bolts cannot be used in the work that have become dirty or rusty and that these bolts must be qualified to Section 7. If individual bolts are cleaned and lubricated on an "as needed" schedule, do bolts need to be requalifed if they have already been qualifed in the as-received condition?