

5020100, Shear Connectors – Description
Comments from Industry Review

Jose Danon
813-975-6130

Comment:

The way the proposed change reads, gives the impression that OSHA compliance is not required otherwise. So we propose the change as below:

Furnish and install welded shear connectors on steel beams and girders at locations shown in the Contract Documents. Field weld shear connectors located on the top flange only after the deck forms are in place. Do not place shear connectors located on the top flange at the fabrication plant. *If shear connectors are furnished and installed at the fabrication plant, then the appropriate 100% workers fall protection requirements shall be followed (or required).*

Robert V. Robertson, Jr., P.E.
State Structures Design Engineer
605 Suwannee St., MS 33
Tallahassee, Fl. 32399-0450
(850) 414-4267

Comment:

I would add that studs that are placed in the field be done so only with stud guns. We do not want any stick welding performed.

Duane Brautigam

Comments:

It would seem possible that the steel fabricator could obligate the erecting contractor to provide fall protection without having coordinated it in advance. Suggest language that would provide early coordination and require the Contractor to make a commitment. One suggestion is as follows: "Field weld shear connectors located on the top flange only after the deck forms are in place. Shop welding will be acceptable only if the Contractor provides written certification that workers who walk on the top flange of erected girders will have 100% fall protection in compliance with OSHA requirements. Shop drawings must indicate shop welding or field welding."
