MEMO

March 3, 2020

TO: Stakeholders interested in steel deck construction
FROM: Brian Gerber
RE: EC-007, Evaluation Criteria for Steel Composite, Non-Composite and Roof Deck Construction

A revised EC-007 draft is being posted for public comments. The purpose of the revision involves two subjects:

1. In 2019, the AISI revised S310, the reference for diaphragm construction, to include additional limit states regarding connections at panel edges and exterior supports, and panel stability or buckling at exterior supports. AISI does not plan to publish these revisions immediately. Therefore EC-007 has been drafted with a new Annex A, which incorporates the affected sections of AISI S310, namely, Sections B1.1, D1, and D2. Annex A can be removed at a later date once the updated AISI S310 is published. Attached is the revised commentary to S310, providing background for the changes. Sections 5.5 and Annex A of the proposed draft reflect the corresponding revisions.

2. A new standard AISI S922-19, has been approved by AISI for the testing of bearing-friction connector assemblies. IAPMO UES has been asked to include this new standard. Applications include wedge-type devices placed between webs of decks with re-entrant profile, such as dovetail types. Sections 2.1, 3.1, 5.9 and 6.9 of EC-007 have been revised as shown in the proposed criteria.

We welcome comments and questions on these proposals.