Dear Sir/Madam

JOINT BCA/SSSS CIRCULAR 2020
DESIGN GUIDE FOR BUILDABLE STEEL CONNECTIONS

Objective

This circular is to inform the industry on the ‘Design Guide for Buildable Steel Connections’, jointly developed by BCA and the Singapore Structural Steel Society (SSSS) to provide guidance on buildable bolted and welded connections.

Background

2 Steel construction is one of the DfMA\(^1\) technologies identified to improve construction productivity in the built environment sector. However, one of the areas that may discourage the adoption of steel construction to drive productivity is the specification of unproductive and costly steel connections. Arising from this feedback, a BCA/SSSS workgroup was formed to develop this design guide on buildable steel connections.

Design Guide for Buildable Steel Connections

3 The ‘Design Guide for Buildable Steel Connections’ has incorporated inputs from industry stakeholders such as consultants, steel fabricators and the academia. The connections detailed in this guide are intended to facilitate easy erection of the steel structures on site. The guide gives details of welded and bolted connections that cover both

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\(^{1}\) DfMA - Design for Manufacturing and Assembly
simple and moment-resisting joints. Design procedures in a guided step-by-step sequence are also provided to facilitate the design to Eurocode 3.

4 The guidebook is available in softcopy at the websites of both BCA and SSSS respectively at -
   - https://go.gov.sg/bca-design-guide-steel-joint

Clarification

5 We would appreciate it if you could bring to the attention of your members the contents of this circular. Should you need any clarification, please submit your enquiry through BCA’s Online Feedback Form at https://www.bca.gov.sg/feedbackform/ or call us at 1800 342 5222.

Yours faithfully

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