

Our Ref: CD/FSSD/12/02/03/01

Date : 30 May 2018

Registrar, Board of Architects
Registrar, Professional Engineers Board
President, Singapore Institute of Architects
President, Institution of Engineers, Singapore
President, Association of Consulting Engineers, Singapore

Dear Sir/Mdm

AMENDMENTS TO TECHNICAL REQUIREMENTS FOR HOUSEHOLD SHELTERS (TR HS) 2017.

The revised edition of Technical Requirements for Household Shelters (TR HS) 2017 was published in November 2017 with the aim to offer greater flexibility in design for HS. Since the implementation, SCDF and BCA have on a need basis review the TR base on industry feedback and operational efficacy to ensure the clarity and relevancy of the existing requirements.

2. This circular is to notify on the addition/insertions of new clause and requirements, as specified in the table below to be incorporated into the existing TR HS 2017.

S/no.	Existing	Revised
1.	Reinforcement bar requirements of Precast Shielding wall in Annex A of SCDF circular issued on 11 July 2014 ^[1] .	Clause 3.4.2.5 added to include Reinforcement bar requirements of Precast Shielding Wall for HS Wall.

[1] This is to be reflected in the revised TR HS 2017.



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2.	<p><u>Clause 4.1 – General</u></p> <p>Two 125 mm diameter ventilation sleeves shall be cast into the wall/s of each HS.</p>	<p><u>Clause 4.1 – General</u></p> <p>Two 125 mm diameter ventilation sleeves shall be cast into the wall/s of each HS. Only ventilation sleeves of an approved design from approved HS steelworks suppliers shall be used.</p>
3.	<p><u>Clause 5.2 – Approved HS Door</u></p> <p>Only HS doors of an approved design, and which have been certified and listed under the Product Listing Scheme shall be used.</p>	<p><u>Clause 5.2 – Approved HS Door</u></p> <p>Only HS doors of an approved design from approved HS steelworks suppliers, and which have been certified and listed under the Product Listing Scheme shall be used.</p>
4.	<p>Figure 3.5.6.2(a), 3.5.6.2(b), 3.5.6.2(c), 3.5.6.2(d), 3.5.6.2(e) and 3.5.6.2(g)</p> <p>Reinforcement bar details of wall and rib.</p>	<p>Amended Figures:</p> <p>Figure 3.5.6.2(a), 3.5.6.2(b), 3.5.6.2(c), 3.5.6.2(d), 3.5.6.2(e) and 3.5.6.2(g)</p> <p>Shear link is consistently shown on each end of precast HS walls next to hollow cores.</p>
5.	<p>Figure 3.5.6.2(l) and Figure 3.5.6.2(m)</p> <p>Connection detail at ventilation sleeve and/or services</p>	<p>Amended Figures:</p> <p>Figure 3.5.6.2(l) and 3.5.6.2(m)</p> <p>The details of projected reinforcement bar from the top and bottom of Precast HS wall with ventilation sleeve and/or services.</p>



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3. The revised TR HS 2017 edition can be downloaded from SCDF's website (refer to the web-link below) and shall take effect from 1 June 2018.

https://www.scdf.gov.sg/content/scdf_internet/en/cd-shelter/acts-and-requirements.html

4. Please convey the contents of this circular to members of your Institution/Association/ Board. The circular is also available in CORENET-e-Info: <http://www.corenet.gov.sg/einfo>. For any enquiry or clarification, please contact the undersigned at 6848 1478.

Yours faithfully,

(transmitted via e-mail)

MAJ Andy Tan
Fire Safety & Shelter Department
for Commissioner
Singapore Civil Defence Force

cc

CEO, BCA
CEO, URA
CEO, HDB
President, IFE
President, SISV
SCDF Fire Safety Standing Committee
Fire Code Review Committee
Shelter Codes Review Committee



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