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President, Singapore Institute of Architects (SIA) President, Institution of Engineers, Singapore (IES) President, Association of Consulting Engineers, Singapore (ACES) President, Real Estates Development Association of Singapore (REDAS) Registrar, Board of Architects (BOA) Registrar, Professional Engineers Board (PEB)

Dear Sir/Mdm,

REVISION TO TECHNICAL REQUIREMENT FOR STOREY SHELTER – SETBACK DISTANCE OF STOREY SHELTER (SS) WALLS

In tandem with the review and revision of the setback distance requirements for the Household Shelter, SCDF and BCA have reviewed and revised the setback distance requirements for the Storey Shelter. The revised requirements are also applicable to the Staircase Storey Shelter which is a variation of the Storey Shelter.

2 The clauses, tables and figures have been revised as shown in <u>Annex A</u>, <u>Annex B</u> and <u>Annex C</u> respectively. This takes immediate effect.

3 We would appreciate it if you could disseminate the contents of this circular to members of your Institution or Association.

4 Please contact undersigned at 68481470 or Maj Ng Shu Herng at 68481406, should you require further clarifications.

Yours faithfully,

(Transmitted via e-mail)

Cpt Yoong Eng Chee SO Shelter Development for Commissioner, Singapore Civil Defence Force СС

Members of FSSD Standing Committee

President, SISV

CEO, HDB Attn: Mr Lau Joo Ming

CEO, URA

CEO, BCA Attn: Deputy CEO (Building Control) Director (Special Functions) Senior Manager (CDSD) Senior Engineer (CDSD)



Setback Distances of SS Walls

- (a) The SS walls shall be located at minimum setback distances from the EBL. The setback distances of the SS shall comply with TABLE 1.
- (b) Where the storey height of a SS on the first storey is greater than the storey heights of other SS above it, the minimum setback distances of the SS on the first storey may be the same as the setback distances of the SS above it.
- (c) For SS walls (where the SS door is not located), trellis constructed of RC or steel hollow section may be used to make up for the shortfall in setback distance. However, a minimum 1200 mm RC ceiling slab from the SS wall shall be provided (see FIGURE 1). A perpendicular or parallel trellis arrangement, or a combination of both, with respect to the SS wall concerned, shall comply with the geometrical configuration as shown in FIGURE 1.

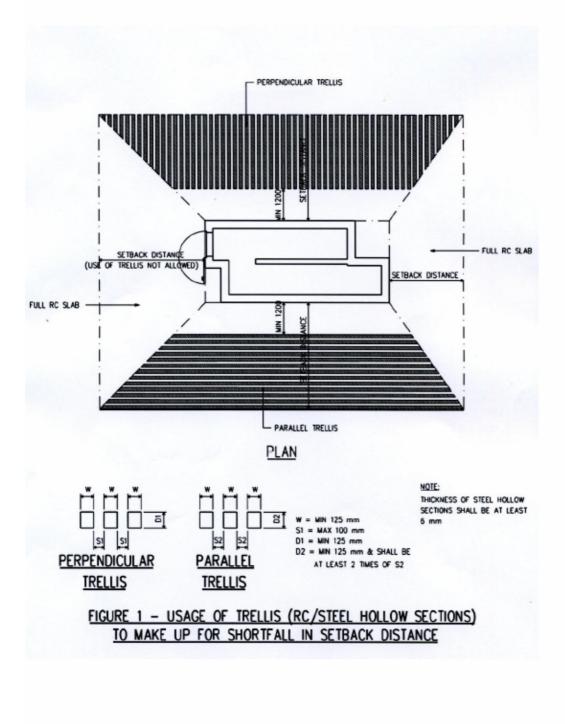
<u>Annex B</u>

TABLE 1: MINIMUM SETBACK DISTANCES OF HS WALLS

Storey Height (SH) (mm)	Minimum Setback Distance of SS Walls without SS door (mm)	Minimum Setback Distance of SS Wall with SS door (mm)
Column (1)	Column (2)	Column (3)
2500 ≤ SH ≤ 2800	2200	3000
2800 < SH ≤ 3100	2400	3200
3100 < SH ≤ 3500	2600	3400
3500 < SH ≤ 4000	2800	3600
4000 < SH ≤ 4500	3050	3850
$4500 < SH \leq 5000$	3300	4100
5000 < SH ≤ 5500	3500	4300
5500 < SH ≤ 6000	3750	4550
6000 < SH ≤ 6500	4000	4800
6500 < SH ≤ 7000	4200	5000
7000 < SH ≤ 7500	4450	5250
7500 < SH ≤ 8000	4700	5500

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Annex C



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