

**SINGAPORE CIVIL DEFENCE FORCE
FIRE SAFETY & SHELTER DEPARTMENT
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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 **Annex A**, **Annex B** and **Annex C** 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 Heng 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

cc

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.

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)
$2500 \leq SH \leq 2800$	2200	3000
$2800 < SH \leq 3100$	2400	3200
$3100 < SH \leq 3500$	2600	3400
$3500 < SH \leq 4000$	2800	3600
$4000 < SH \leq 4500$	3050	3850
$4500 < SH \leq 5000$	3300	4100
$5000 < SH \leq 5500$	3500	4300
$5500 < SH \leq 6000$	3750	4550
$6000 < SH \leq 6500$	4000	4800
$6500 < SH \leq 7000$	4200	5000
$7000 < SH \leq 7500$	4450	5250
$7500 < SH \leq 8000$	4700	5500

