SINGAPORE CIVIL DEFENCE FORCE

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

Your Ref   :

Date   :   1 February 2012

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

Dear Sir/Mdm,

OCCUPANT LOAD CALCULATION FOR BUILDING PLAN SUBMISSIONS INVOLVING WORKERS DORMITORIES

Currently, occupant load calculations submitted by QPs for applications for approval of building plans are based on individual storey and functional usage (see Annex A).   These calculations are not detailed enough for MOM and SCDF's enforcement officers to ascertain whether a dormitory room is overcrowded during their enforcement operations.

2.   The issue was brought up for discussion at the FSSD Standing Committee meeting on 9 Jan 2012. It was agreed in the meeting that, with immediate effect, QPs shall provide occupant load for each dormitory room in their submissions of building plans for workers' dormitories to SCDF for approval (see example in Annex B). Such occupant loads for the individual rooms shall also be shown on the plans submitted.

3.   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.

4.   For any enquiry or clarification, please email to MAJ Lee Kok Chuen at Tel: 68481457 or Email: lee_kok_chuen@scdf.gov.sg.

Yours faithfully,

(transmitted via e-mail)
MAJ Lee Kok Chuen
Secretary, FSSD Standing Committee
for Commissioner
Singapore Civil Defence Force

cc:
All members of FSSD Standing Committee
President, REDAS
President, IFE
President, SISV
CEO, BCA
CEO, URA
CEO, HDB
CEO, PSA
CEO, JTC
CE, LTA
CE, TUV SUD PSB – (Attn: Ms Tan Chiew Wan/Mr Lau Keong Ong)
CE, SPRING Singapore – (Attn: Mr Teo Nam Kuan)
Executive Director, Singapore Contractors Association Limited

			Area of occupied floor space		
Item No.	Usages	Floor Area (m^2)	per person (m^2)	No of persons	Remarks
1	TEMPORARY SECONDARY WORKERS' DORMITORY FOR LEVEL 2	240	3	80	
		Total:		80	

PROPOSAL:

A-1

OCCUPANT LOAD CALCULATION FOR

FSSD-BP3

Qualified Person's name & signature   Date

PROPOSAL:

OCCUPANT LOAD CALCULATION FOR

Item No.	Usages	Floor Area (m^2)	Area of occupied floor space per person (m^2)	No of persons	Remarks
1	TEMPORARY SECONDARY WORKERS' DORMITORY 1	120	3	40	
2	TEMPORARY SECONDARY WORKERS' DORMITORY 2	120	3	40	
			Total:	80	

Qualified Person's name & signature   Date

FSSD-BP3

Occupancy load calculations to be broken down into different dormitory rooms