

**SINGAPORE CIVIL DEFENCE FORCE
FIRE SAFETY & SHELTER BUREAU**

HQ Singapore Civil Defence Force
91 Ubi Ave 4 Singapore 408827 Fax : 6848 1488
Website : <http://www.scdf.gov.sg>



Please quote our ref. no. in all future correspondences

Our Ref: CD/FSSB/12/01/03/04

DID: 68481409

FAX: 68481493

26th Aug 2002

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 Sirs

ROUTING OF GAS PIPES

At a recent FSSB Standing Committee meeting, a query was raised on whether gas pipes that are routed in basements need to be fire-rated as the requirement on the protection of pipes is not specifically mentioned in the Fire Code.

2. FSSB would like to clarify that all gas pipes that are routed in basement shall be API pipes with welded joints. These joints shall be 100% radiography checked. These are specified in clause 3.4.2(h) of SSCP 51:1995. In addition, for mechanically ventilated basement, pipe sleeves shall be provided for the venting of gas pipes. One end of the sleeve shall be exposed to the external as specified in clause 3.4.2(g) of SSCP 51:1995. For naturally ventilated basement that complies with clause 6.4.1(d)(iii)(b), the provision of pipe sleeves is not required.
3. These gas pipes running in basement are not required to be fire rated if they are running outside essential areas such as the exit staircase, smoke stop or fire fighting lift lobby, fire pump room, generator room, fire command centre, etc. If the gas pipes run into the essential area, they are required to be encased in masonry.
4. Please convey the contents of this circular to members of your Institution/Association/Board. The circular is also available in CORENET-einfo: <http://www.corenet.gov.sg/einfo>.
5. For any inquiry or clarification, please contact Mr Vijayaratnam at Tel: 68481448.

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Yours faithfully

(Transmitted via e-mail)

Teo Lim Teck
Secretary, FSSB Standing Committee
for Commissioner
Singapore Civil Defence Force

cc

CEO, BCA
All members of FSSB Standing Committee
President, REDAS
President, IFE
President, SISV
CEO, HDB
Group President, PSA Corp
CEO, JTC
CE, LTA (Attn: Mr. Mohinder Singh)
CE, PSB Corp (Attn : Mr. Lau Keong Ong / Ms Tan Chiew Wan)