



HARCOURT CONSULTING ENGINEERS

10 Nerang Street,
Nerang, QLD. 4211

STRUCTURAL & CIVIL

Telephone (07) 5596 0031
Facsimile (07) 5596 6899
www.rph.com.au
info@rph.com.au

Reference: 12251ltr04
Date: 20/06/05

STRUCTURAL DESIGN CERTIFICATE

| | |
|---------------------|---------------------|
| Element Description | Stairwell Scaffold |
| Scaffold Owner | Stair Safe Scaffold |
| Site Address | All Buildings |

We,

Robert P. Harcourt and Associates, Consulting Engineers, being "Structural Engineers" within the meaning of the Standard Building Regulation 1993, hereby certify that this office is responsible for the structural design of Stairwell Scaffold described. This work was designed in accordance with the relevant provisions of the Building Codes of Australia, all relevant Australian Standards and in accordance with sound, and widely accepted Engineering Principles.

Stair Scaffold Description

Wall Brackets: 2mm galvanised J-shaped channel section with two 50x50x3.0mm EA welded to base of bracket to offset bracket 12mm from studs. SHS fixed to floor plate with 1x75mm long 14-guage hex head screw per SHS.

Support Members: 48.3x3.2mm GR 300 PLUS CHS spanning a maximum of 2400mm supporting platforms rated to 225kg by others.
120x48x2.0mm GR450LO Rail section spanning a maximum of 4000mm supporting platforms rated to 225kg by others.

Support Connections: Support members either connect to wall brackets or sit on SHS columns. CHS support members connect to a telescopic end plate consisting of a 150x150x5mm plate welded to a 38 x 3.2mm CHS stub sitting in wall brackets with minimum 200mm lap. Rails sections are OR sit on a 65x65x2mm SHS cut so support member slots into SHS and is supported on one SHS walls. SHS is bolted to ground slab with a square base plate and four dynabolts or equal.


Robert P. Harcourt,
CHARTERED ENGINEER (AUSTRALIA)

RPEQ 1068