TIMARU TDC DISTRICT COUNCIL COMPLIANCE WITH INTEGRITY	**FIRE CODE REQUIREMENTS FOR SH PURPOSE GROUP (Information Sheet)**	**VERSION:** 2 **DATE:** April 2010 **CODE:** IS-112

The following are guidance notes for assessing compliance with the NZ Building Code and Approved Documents. They are subject to ongoing review, may not cover every requirement and they are offered on a "no liability" basis.

The definition of "SH" is a detached dwelling where the occupants live as a single household or family and includes its associated accessory buildings.

1 FIRE SEPARATIONS

- ☐ On houses of no more than three floor levels, exterior walls within 1m of a title, cross lease or notional boundary must have 30/30/0 two way FRR (walls at 90º to the boundary must be rated within 200mm of the boundary).
- ☐ Houses having four or more floor levels are subject to the limitations on unprotected areas as given in NZBC C/AS1 Part 7.
- ☐ Fire walls shall extend up to the underside of the roofing material. At external walls, solid 50mm continuous blocking may be used between rafters. There is no fire requirement for fire rating of eaves between the fire wall and the boundary if the fire wall is extended to the underside of the roof.
- ☐ Where plasterboard is used to fire rate the external wall, the plaster board must be protected from the weather as recommended by the manufacturer (eg Winstone's Garage Boundary Walls).
- ☐ External claddings on fire walls must be non-combustible or comply with NZBC C/AS1 table 7.5 when located closer than 1m to relevant boundary.
- ☐ If Monier bricks are used as the fire rated lining - see Monier design note A4 - look carefully at the eaves detail to ensure the rating is maintained to the underside of the roof.
- ☐ Fire Wall Penetrations - Ensure that a tested method of protection is provided where services are in the wall, eg pipes, switches and plugs.
- ☐ Where the eaves are within 650mm of the boundary, the wall associated with that eave must be fire rated to a rating of 30/30/30. – OR -
- ☐ Where foam plastic is used it shall meet the following requirements:
  - Flame propagation criteria as specified in AS1366.
  - Have a flame barrier complying with NZBC C/AS1 appendix C10.1 between any occupied space and the foam plastic.

2 ESCAPE ROUTES

- ☐ Escape route length from any part of the house shall have a maximum dead end length of 24m. Length to be measured down stairs and around obstructions such as furniture.

3 SMOKE ALARMS

- ☐ All houses shall have Type 1 domestic smoke alarms installed. For type and location of domestic smoke alarm refer to Information Sheet IS-111.

4 OPEN-SIDED BUILDING/CAR PORT

- ☐ An open-sided building/car port, which is detached or attached to the house, does not require any fire rating if it complies with the following:
  - The roof area is under 40m^2.
  - At least two sides of the perimeter are completely open to the environment.
  - No part of the roof is closer than 300mm to a relevant boundary.

  If the roof is closer than 300mm to a relevant boundary refer to NZBC C/AS1 7.8.10 for the fire rating requirements.

The publication *Customer Guide to the Building Consent Process* outlines in detail the information required by Council to process a Building Consent Application.

Glossary of Terms:

- DBH – Department of Building and Housing
- LIM – Land Information Memorandum
- PIM – Project Information Memorandum
- Ecan – Environment Canterbury
- NZBC – New Zealand Building Code
- LBP – Licensed Building Practitioner
- OSH – Occupational Safety and Health
- BRANZ – Building Research Association of New Zealand

Useful step-by-step guides can be found at www.consumerbuild.org.nz which can help you to understand the processes required.

User Guides in this series are:

- Customer Guide to the Building Consent Process – IS-000
- Accessory Buildings – IS-103
- Demolition – IS-106
- New Dwelling / Residential Buildings – IS-108
- Transportable Buildings – IS-110
- Fire Code Requirements for SH Purpose Group – IS-112
- Building Code Clauses – IS-114
- Amusement Device – IS-116
- Fencing your Swimming Pool – IS-119
- Essential Features of a Producer Statement – IS-122
- Fees & Charges – IS-101
- Change of Use – IS-105
- Effluent Disposal – IS-107
- Relocating a Dwelling / Building – IS-109
- Domestic Smoke Alarm Systems for Dwellings – IS-111
- Wet Area Showers – IS-113
- Accessible Facilities – IS-115
- Extension of Time – IS-118
- Solid Fuel / Liquid Fuel Heating Appliance – IS-120
- Exempt Building Work – IS-123

Otherwise visit your friendly Customer Services Officer at Timaru District Council.