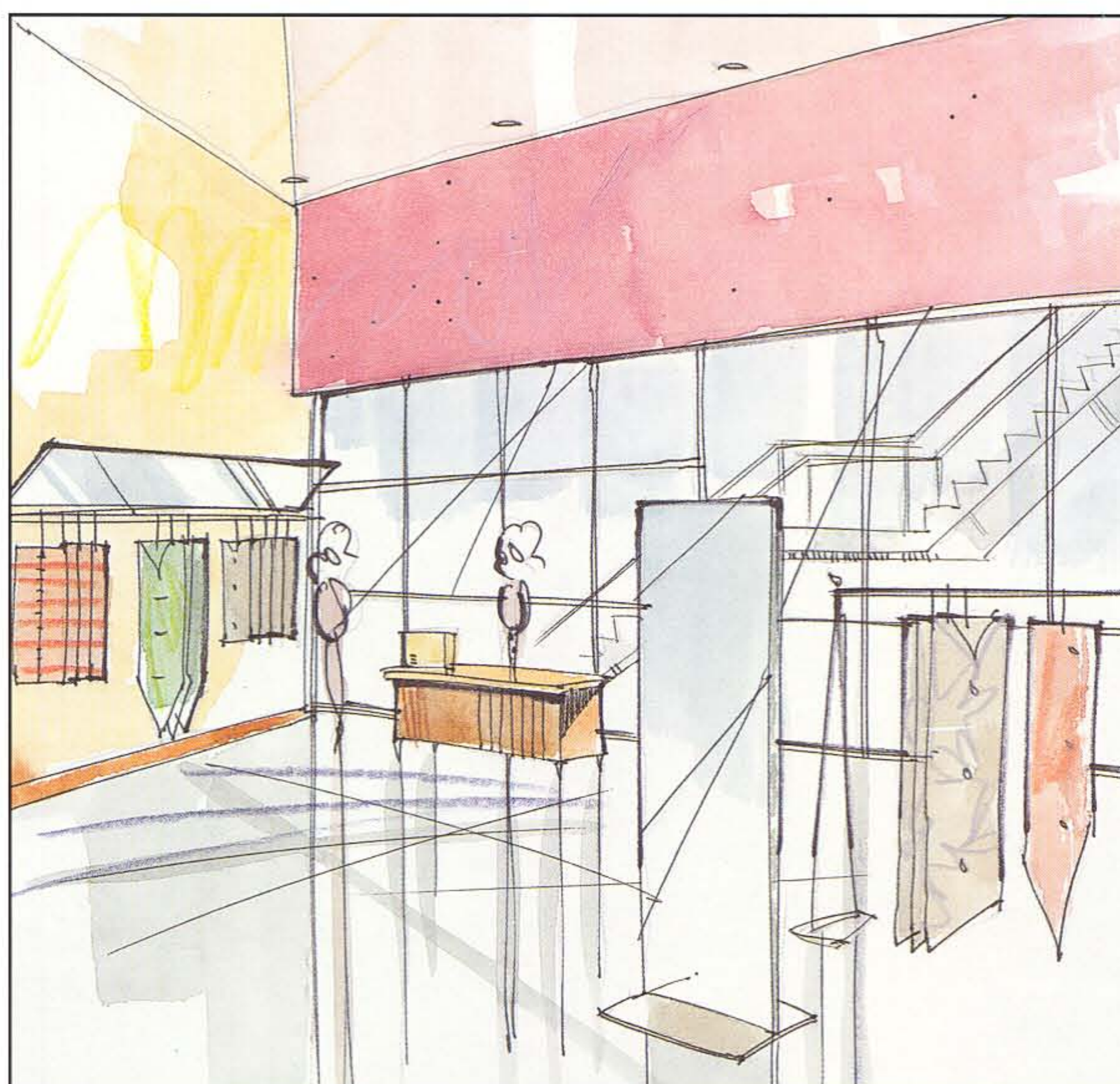


FIRE
RESISTANT
GLASSES

Pilkington PYROSTOP



F I R E T E S T S U M M A R Y

Multi-pane Steel Screen

90 minutes integrity & 90 minutes insulation

Test Reference WARRES 57295



PILKINGTON

Multi-pane Steel Screen

90 minutes integrity &
90 minutes insulation

Test Reference:

WARRES 57295

Test Station:

Warrington Fire Research Centre

Test Date:

8th October 1992

Test Sponsor:

Pilkington United Kingdom Limited et al (see below)

Test Standard:

BS 476: Part 22: 1987

General description of the assembly

- Pilkington PYROSTOP
- Various double glazing configurations
- Insulated mild steel framework
- Mild steel glazing bead system on unexposed face
- Glass bedded using ceramic fibre tape
- Intumescent material incorporated into the construction
- Aluminium covers fitted on unexposed face

The following jointly sponsored the test.

T & W Ide Limited

Pilkington, Plymouth

Pilkington, Middlesbrough

A C Yule & Son Limited

T A Anders & Co. Limited



Double glazing details

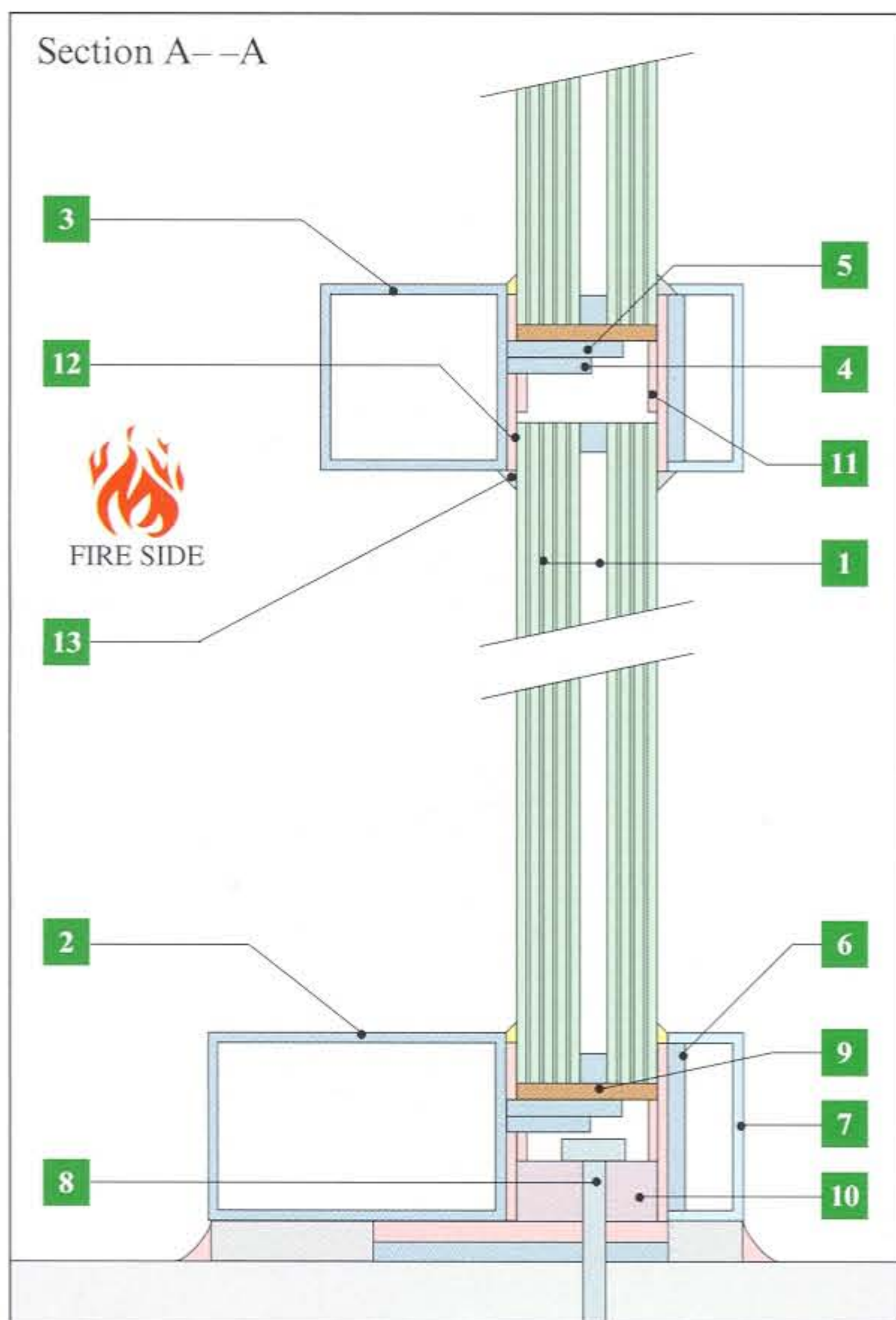
Key to figures

Pane	Fire Side	Non-fire Side
A.	15mm Pilkington PYROSTOP	27mm Pilkington PYROSTOP
B.	21mm Pilkington PYROSTOP	15mm Pilkington PYROSTOP ⁽¹⁾
C.	18mm Pilkington PYROSTOP	27mm Pilkington PYROSTOP
D.	15mm Pilkington PYROSTOP	21mm Pilkington PYROSTOP
E.	21mm Pilkington PYROSTOP	15mm Pilkington PYROSTOP
F.	15mm Pilkington PYROSTOP	28mm Pilkington PYROSTOP ⁽²⁾
G.	28mm Pilkington PYROSTOP ⁽³⁾	15mm Pilkington PYROSTOP
H.	28mm Pilkington PYROSTOP ⁽⁴⁾	15mm Pilkington PYROSTOP

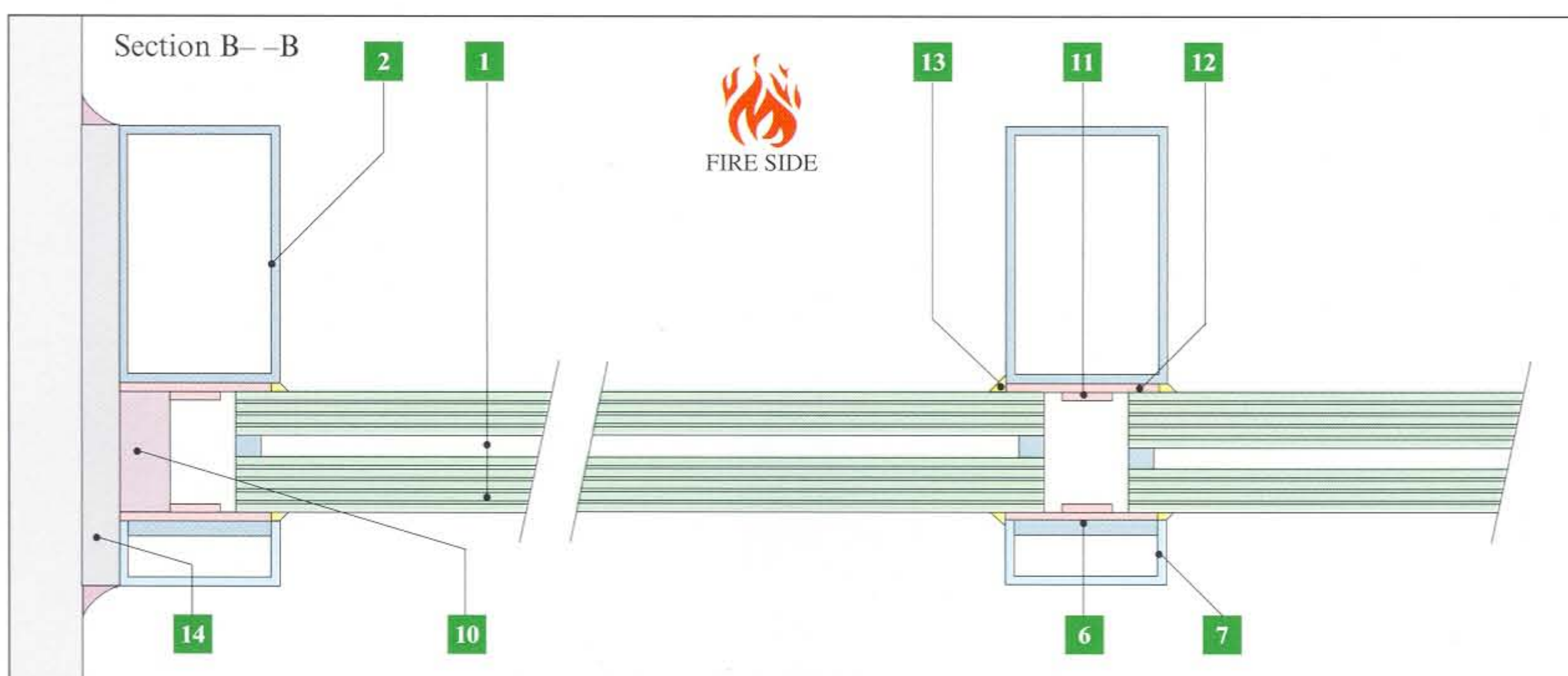
Notes

- (1) Acid etched
- (2) Laminated with PILKINGTON K GLASS to the cavity
- (3) Laminated with Pilkington ANTISUN to furnace
- (4) Laminated with PILKINGTON TEXTURE GLASS to furnace

- 1 Double glazing unit (Pilkington PYROSTOP/8mm cavity/Pilkington PYROSTOP)
- 2 100 x 60 x 3mm top and bottom rails, stiles and mullions
- 3 60 x 60 x 3mm mild steel hollow section transom
- 4 100 x 30 x 5mm mild steel plate glazing ledge
- 5 100 x 40 x 6mm mild steel plate glazing ledge
- 6 60 x 5mm mild steel cover plate
- 7 Aluminium cover strips
- 8 Anchor bolt through steel plate
- 9 50 x 5mm hardwood setting block
- 10 43 x 20mm ETERNIT PROMAT Promatect L separating block
- 11 Graphite based intumescent strip
- 12 CARBORUNDUM RESISTANT MATERIALS LTD. Fibrefrax ceramic tape
- 13 EVODE silicone based mastic sealant
- 14 Mineral wool seal



For reasons of confidentiality some of the section sizes and fixing details have been omitted. Please contact the frame manufacturer for further information.



Scope

The results of this test only relate to the behaviour of the specimen of the element of construction under the particular conditions of the test. They are not intended to be the sole criteria for assessing the potential fire performance of the element in use nor do they reflect the actual behaviour in fires.

18, 21 and 28mm Pilkington PYROSTOP are classified as Class A safety glasses according to the impact performance requirements of BS 6206:1981, whilst 15mm Pilkington PYROSTOP is classified as a Class B safety glass. All Pilkington PYROSTOP have been tested extensively in accordance with the fire test requirements of BS 476: Part 22: 1987.

This publication gives a general description of the product and materials. It is the responsibility of the user of this document to ensure that their use is appropriate for any particular application and that such application complies with all relevant local and national legislation, standards, codes of practice and other requirements.

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PILKINGTON

Pilkington United Kingdom Limited
Prescot Road St Helens England WA10 3TT
Telephone 01744 692000 Fax 01744 613049