

Fire Test Certificate

This is to certify that the specimen described below has been tested by BRANZ Ltd on behalf of

Ramset Fasteners (Aust) Pty Ltd
Marcondah Highway
Croydon North
Victoria
AUSTRALIA

Test standard: AS1530.4-1990 and AS4072.1-1992
Specimen name: Blazebrake 201 Sealant
Specimen description: An acrylic based fire stopping sealant used to seal joints and penetrations in a 1 hour FRR light weight steel framed plasterboard lined wall as detailed in the specimen drawings illustrated on the reverse of this certificate.

Orientation: Vertical wall, with joints vertical and penetrations and deflection head horizontal.

A full description of the test specimen and the test results are given in BRANZ Test Report:
FP 3698

Regulatory authorities are advised to examine test reports before approving any product.

The test results were as follows:

Specimen	Description	Integrity	Insulation	FRR
FP 3698/A	Deflection head	77NF	77NF	-/60/60
FP 3698/B	Wall to masonry joint	77NF	77NF	-/60/60
FP 3698/D	Control joint	77NF	75	-/60/60
FP 3698/E	80mm dia. Copper pipe	77NF	18 or 77NF with screen *	-/60/0 or -/60/60
FP 3698/F	65mm dia bundle of cables	77NF	62	-/60/60

NF = No Failure for the duration of the test *with 450 mm long mesh radiation screen fitted concentrically around the pipe

Test Dates: 8 November 1994

Test Supervisor(s): M E Godkin

This Certificate issued: 21 September 2006

Certificate Number: 439

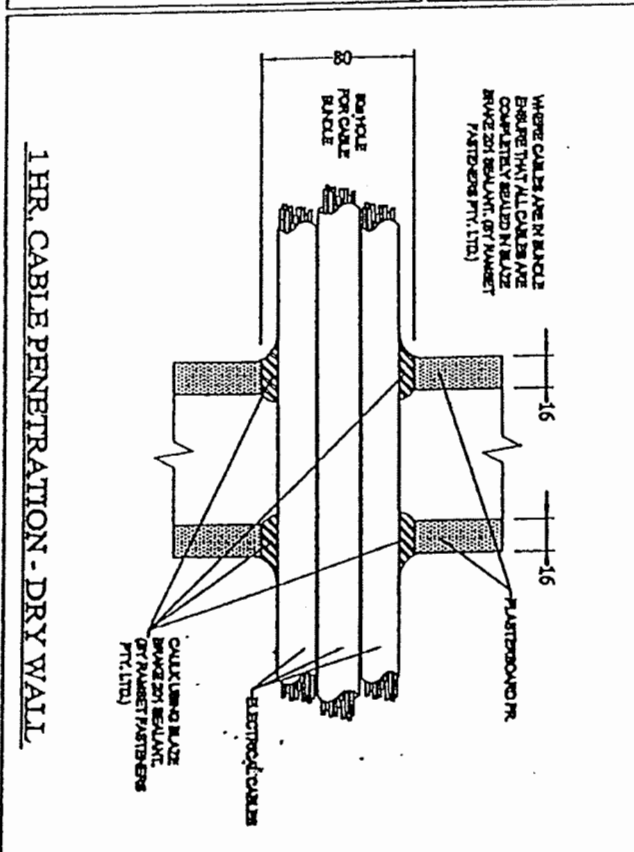
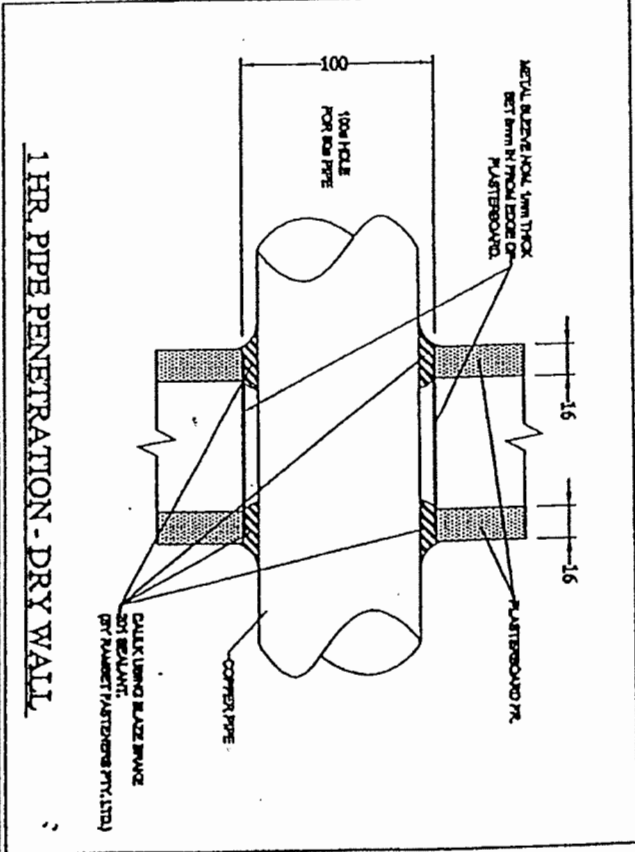
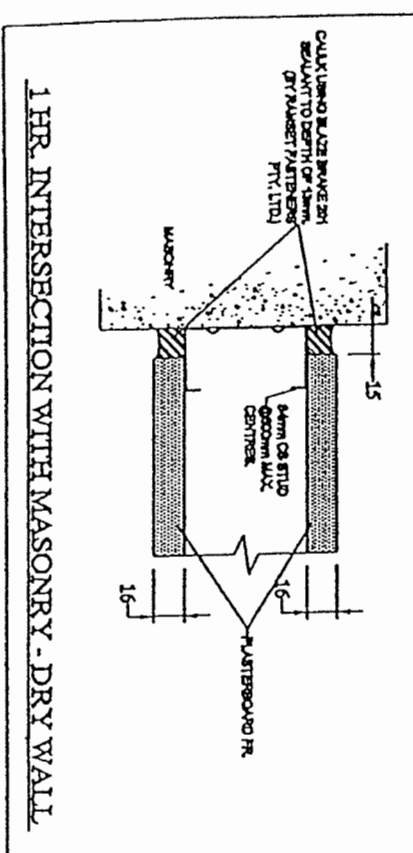
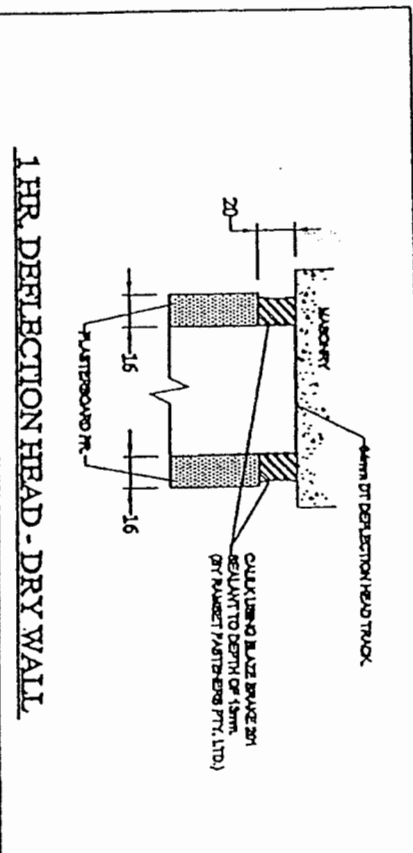
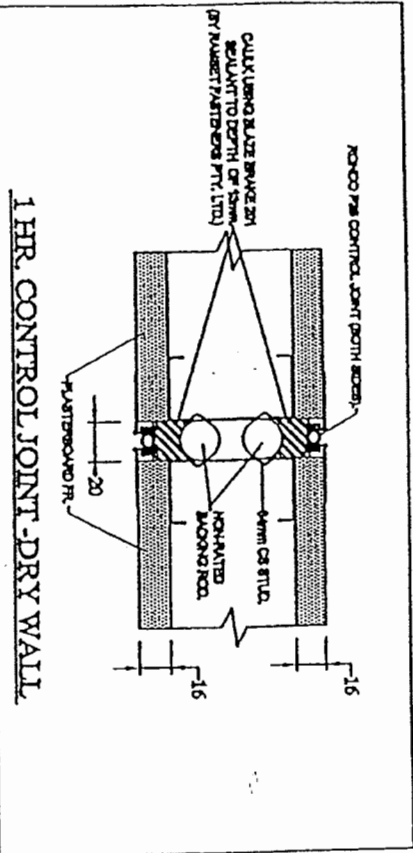

M E Godkin
Fire Testing Supervisor
For BRANZ Limited



This Laboratory is registered by the International Accreditation New Zealand (IANZ). The tests reported herein have been performed in accordance with its terms of registration.

IANZ has a mutual recognition agreement with the National Association of Testing Authorities, Australia (NATA) such that both organisations recognise accreditations by IANZ and NATA as being equivalent. Users of test certificates are recommended to accept test certificates in the name of either accrediting body.





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Marcondah Highway
Croydon North
Victoria
AUSTRALIA

Test standard: AS1530.4-1990 and AS4072.1-1992
Specimen name: Blazebrake 201 Sealant
Specimen description: An acrylic based fire stopping sealant used to seal joints and penetrations in a 2 hour FRR light weight steel framed plasterboard lined wall as detailed in the specimen drawings illustrated on the reverse of this certificate.

Orientation: Vertical wall, with joints vertical and penetrations and deflection head horizontal.

A full description of the test specimen and the test results are given in BRANZ Test Report:
FP 3699

Regulatory authorities are advised to examine test reports before approving any product.

The test results were as follows:

Specimen	Description	Integrity	Insulation	FRR
FP 3699/A	Deflection head	154NF	114	-/120/90
FP 3699/B	Wall to masonry joint	154NF	141	-/120/120
FP 3699/D	Control joint	154NF	154	-/120/120
FP 3699/E	80mm dia. Copper pipe	154NF	18 or 137 with screen *	-/120/0 or -/120/120
FP 3699/F	65mm dia bundle of cables	154NF	66	-/120/60


NF = No Failure for the duration of the test
*with 450 mm long mesh radiation screen fitted concentrically around the pipe

Test Dates: 10 November 1994

Test Supervisor(s): M E Godkin

This Certificate issued: 21 September 2006

Certificate Number: 440

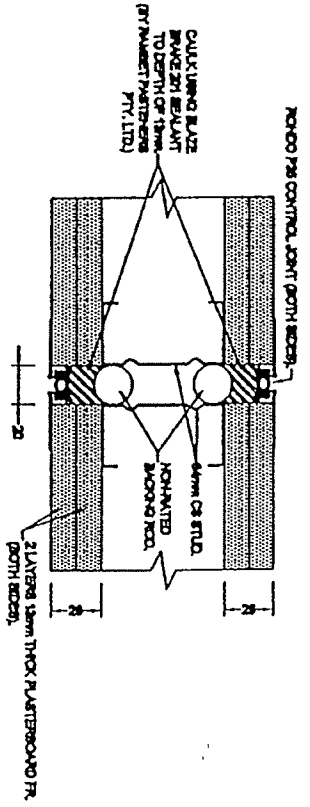

M E Godkin
Fire Testing Supervisor
For BRANZ Limited



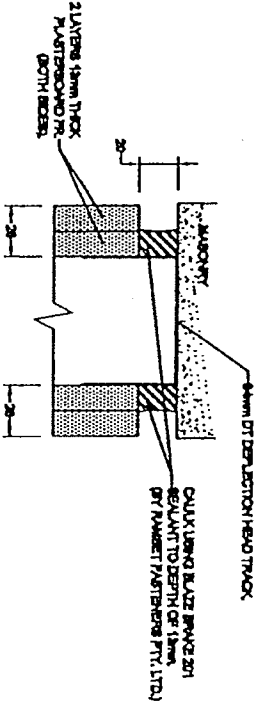
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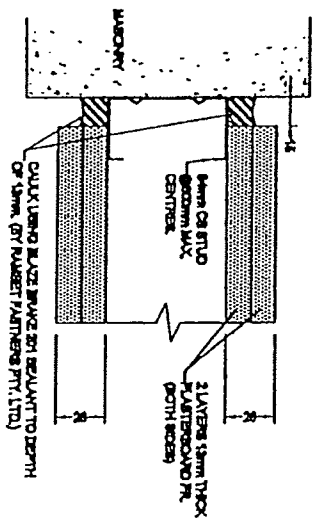




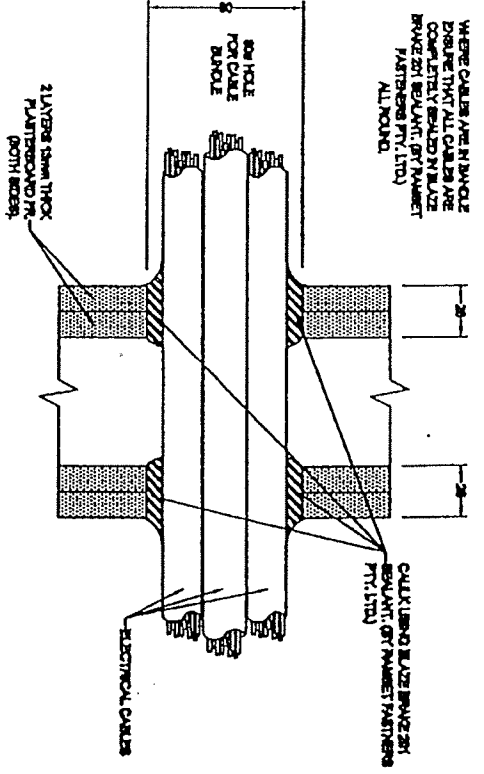
2 HR. CONTROL JOINT - DRY WALL



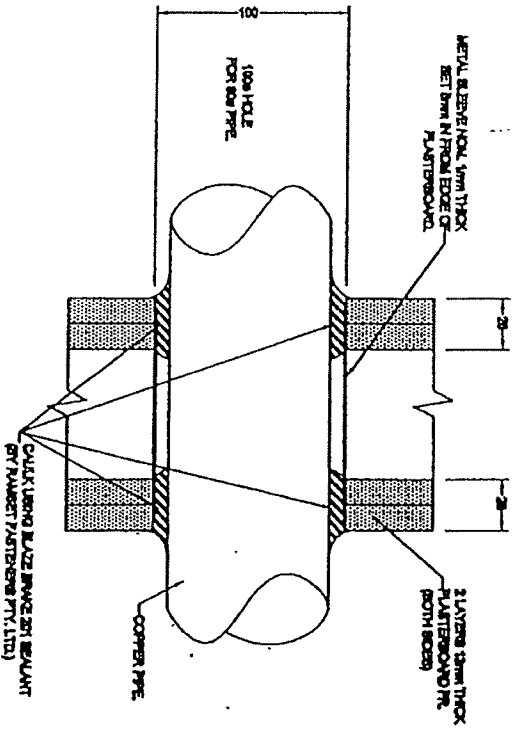
2 HR. DEFLECTION HEAD - DRY WALL



2 HR. INTERSECTION WITH MASONRY - DRY WALL



2 HR. CABLE PENETRATION - DRY WALL



2 HR. PIPE PENETRATION - DRY WALL

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AUSTRALIA

Test standard: AS1530.4-1990 and AS4072.1-1992
Specimen name: Blazebrake 201 Sealant
Specimen description: An acrylic based fire stopping sealant used to seal joints and penetrations in a 170mm thick concrete floor as detailed in the specimen drawings illustrated on the reverse of this certificate.

Orientation: Horizontal floor with penetrations vertical and joint horizontal.

A full description of the test specimen and the test results are given in BRANZ Test Report:
FR 3700 and FP 3701

Regulatory authorities are advised to examine test reports before approving any product.

The test results were as follows:

Specimen	Description	Integrity	Insulation	FRR
FR 3700/20	80mm dia. Copper pipe	248NF	30 or 248NF with screen*	-/240/0 or -/240/240
FR 3700/21	65mm dia bundle of cables	248NF	171	-/240/120
FR 3700/22	Control joint	248NF	248NF	-/240/240
FP 3701/2	Three 20mm dia copper pipes	244NF	8	-/240/0
FP 3701/1	200mm dia copper pipe	120NF	9	-/120/0

NF = No Failure for the duration of the test
*with 450 mm long mesh radiation screen fitted concentrically around the pipe

Test Dates: 1 February 1995 and 24 March 1995

Test Supervisor(s): M E Godkin

This Certificate issued: 21 September 2006

Certificate Number: 441

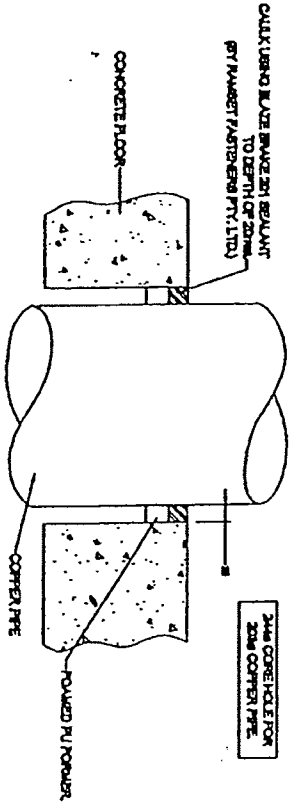

M E Godkin
Fire Testing Supervisor
For BRANZ Limited



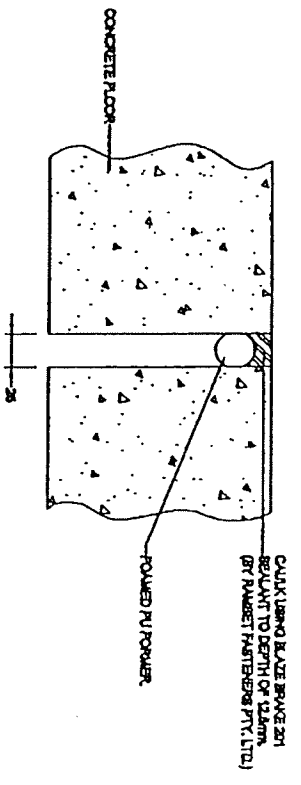
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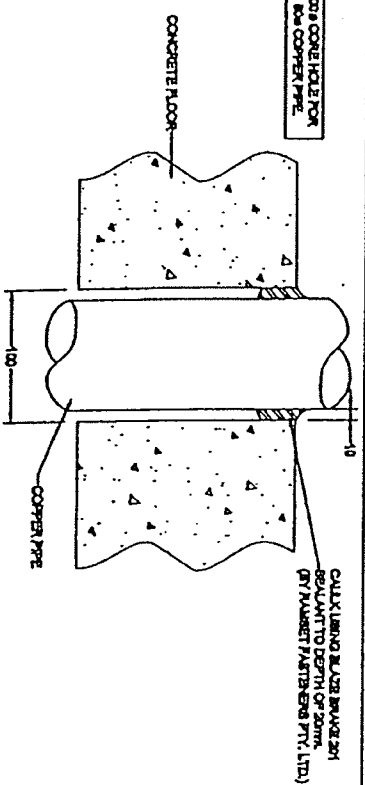




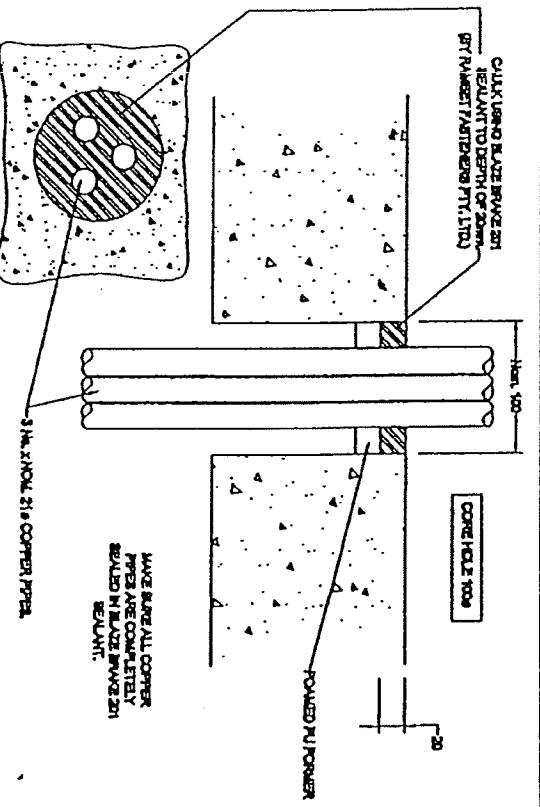
2 HR. PIPE PENETRATION - CONCRETE FLOOR



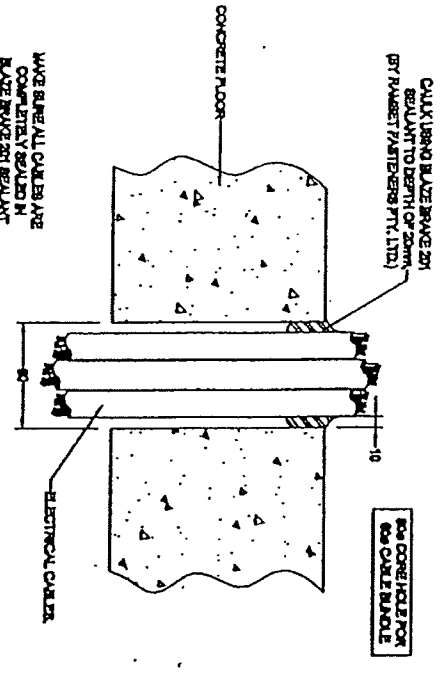
4 HR. CONTROL JOINT - CONCRETE FLOOR



4 HR. PIPE PENETRATION - CONCRETE FLOOR



4 HR. PIPE PENETRATION - CONCRETE FLOOR



4 HR. CABLE PENETRATION - CONCRETE FLOOR