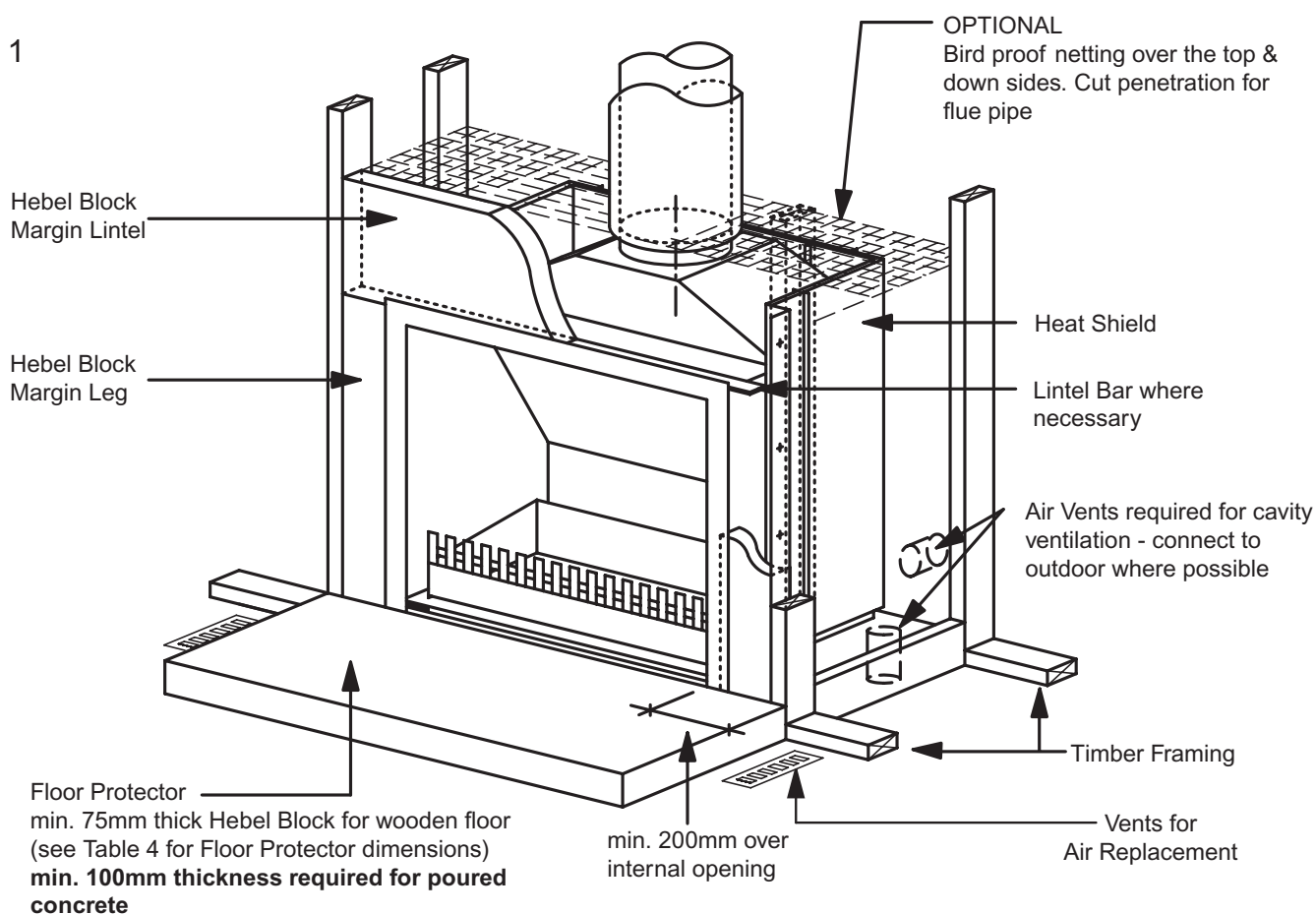


## TYPICAL JETMASTER IN-BUILT TIMBER FRAME INSTALLATION INSTRUCTIONS - WOOD -

*Due to continued product improvement, The Fireplace Ltd reserves the right to change product specifications without prior notification*

*Please check to ensure you have the latest installation instructions*

Fig. 1



### ALL INSTRUCTIONS TO COMPLY WITH AS/NZS2918:2001

**IMPORTANT:** Read all instructions carefully before starting installation. Failure to follow these instructions may result in a fire hazard and will void the warranty.

**THE JETMASTER UNIT IS TO BE INSTALLED BY A CERTIFIED FIREPLACE INSTALLER OR AN APPROVED NZHHA INSTALLATION TECHNICIAN.**

See [www.homeheat.co.nz/members](http://www.homeheat.co.nz/members) for a Certified NZHHA SFAIT installer in your area.

**The flue system must be cleaned every 12 months.**

**ALERT:** For Outdoor Jetmaster fires into timber framing, please refer to The Fireplace for recess allowances and provision for the Stainless Steel Weather Cover.

Table 1

MODEL	A	A1	A2	B	C	D	E	F	Y	Off-set Gather
500	500	600	550	350	650	200/300	200	630	325**	-
600	600	700	650	350	650	200/300	200	630	330**	-
700 SH	700	800	750	350	650	200/300	200	630	340**	-
700 SH L	700	800	750	350	600	200/300	200	580	340**	-
700 D	700	800	750	400	700	225/325	200	680	295	395
850 L	850	950	900	450	700	250/350	220	680	322	422
1050 LL	1050	1150	1100	500	700	300/400	240	680	345	445
1200 *	1200	1300	1250	600	1020	400/500	400	1000	435	-
1500 *	1500	1600	1550	600	1020	450/550	410	1000	435	-
850 U	850	950	900	450	750	250/350	220	680	322	422
1050 U	1050	1150	1100	500	800	300/400	240	680	345	445

\* Refer to separate detail drawing

\*\* Standard Offset Gather required

Fig. 2

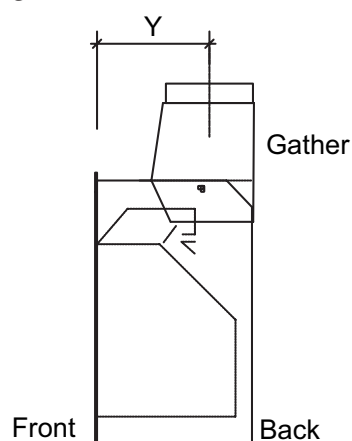
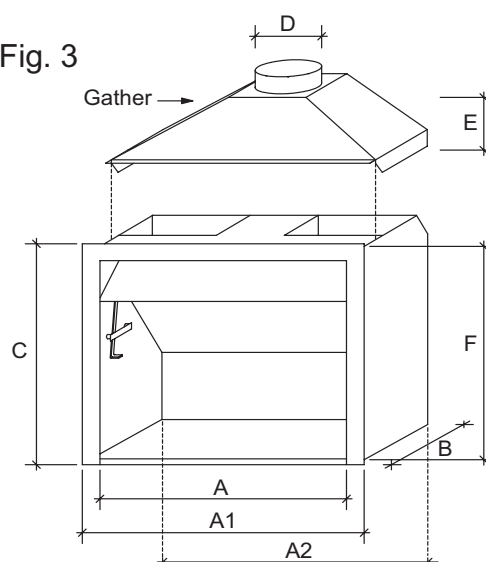


Fig. 3

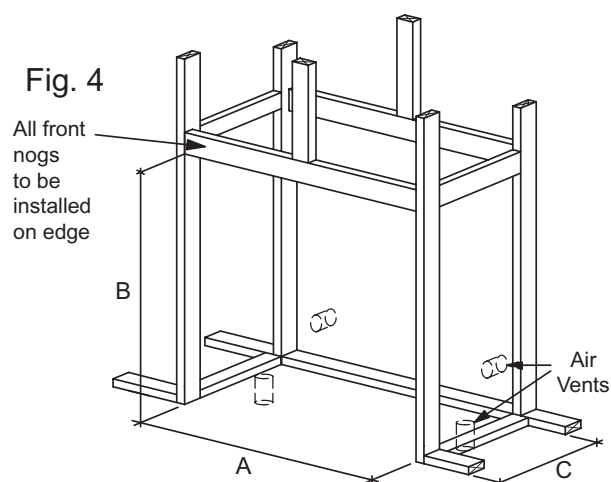


## TRIM OUT DIMENSIONS

Table 2

MODEL	A	B	C
500U	960 *	1200	525
600U	960 *	1200	525
700 LOW/SH	960	1200	525
700D	960	1200	525
850L	1110	1200	560
1050LL	1310	1350	610
1200	1500	1620	785
1500	1800	1620	810

Fig. 4



(\*) Measurement may be reduced on request if needed. Please consult The Fireplace Ltd or your nearest agent.

Please note that these dimensions (based on Hebel Block margins) are the absolute minimum sizes - widths (A & C) maybe increased if desired.

It is important to ensure the Jetmaster firebox is seated on top of the finished floor protector level.

All Hebel Block margins have been made to fit firebox timber frame trim out dimensions (see Table 2).

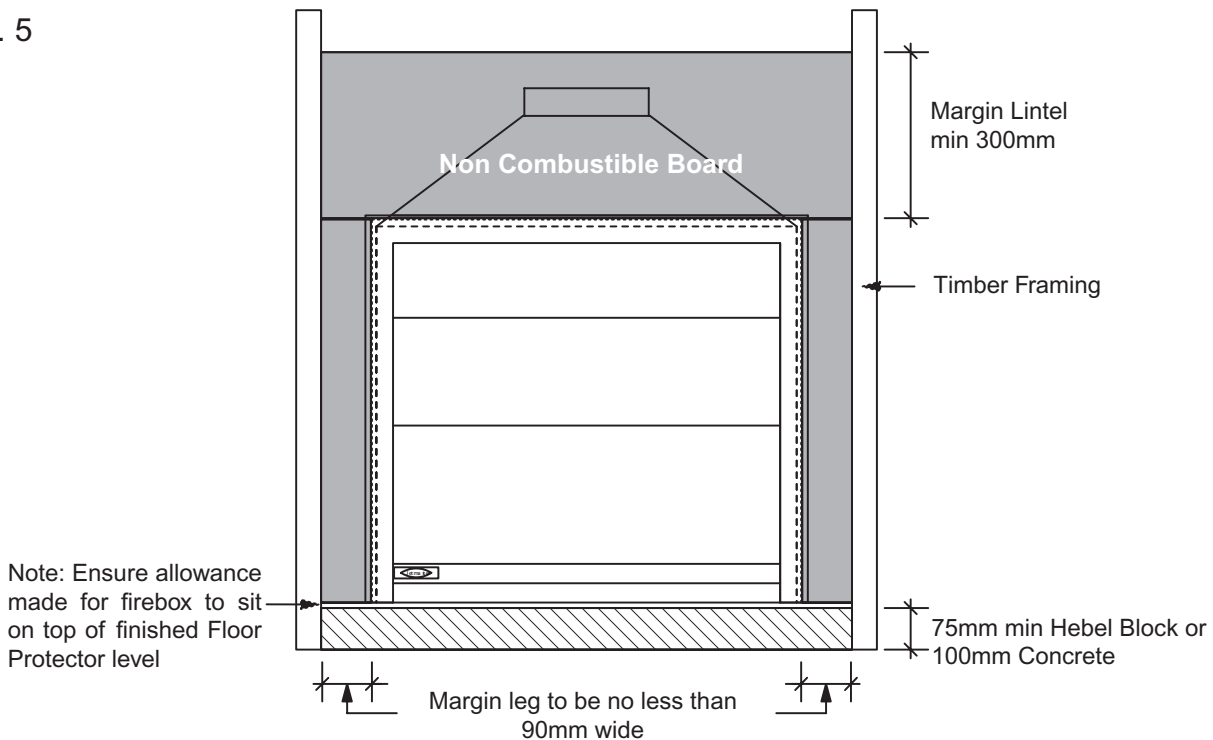
Suggested method to cut Hebel Block - skill saw fitted with masonry blade.

**Under no circumstance is the width of the vertical margin legs to be less than 90mm and the height of the margin lintel to be less than 300mm (see Fig 5).**

Where an internal wall board finish is required around the fire, ensure allowance is made to place non-combustible internal wall lining (eg: Promina, Supalux, Eterpan) to cover the extent of the Hebel panel surround (shown shaded). Directly touching the firebox with any board or plaster finish will cause cracking from heat expansion. Allow 2mm minimum space away from the firebox.

Bond Hebel Block together using appropriate adhesive eg: Gorilla Grip or similar (non-solvent based) & secure with screws for added strength

Fig. 5



# METAL HEAT SHIELD

Fig. 6

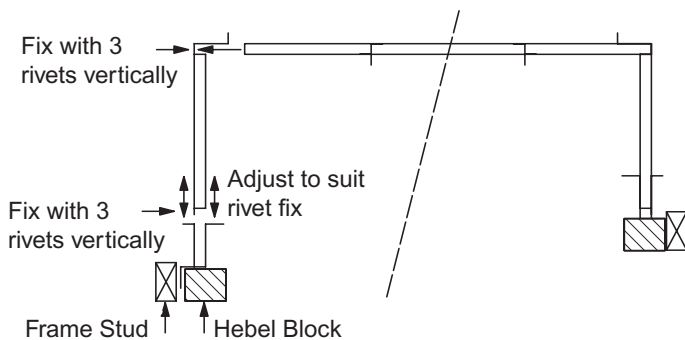
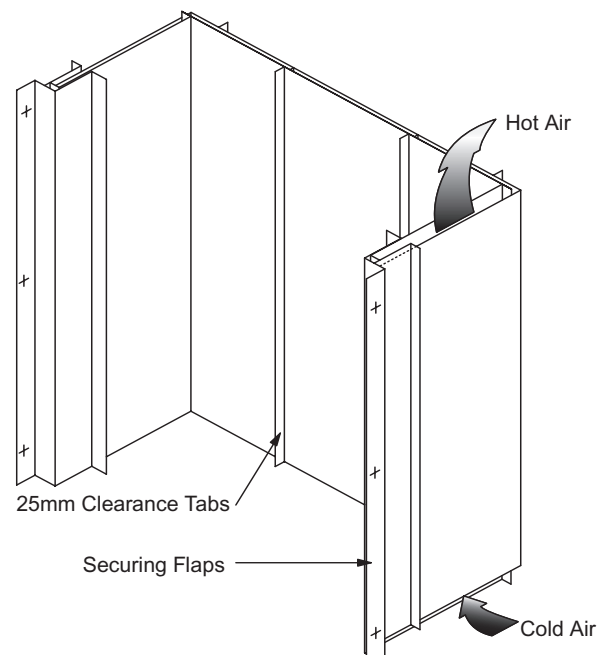


Fig. 7



Refer to the minimum framing dimensions as per table 2. Allow a temporary lintel height (see table 2 'B') from the finished floor protector level until the firebox and flue system is installed. Install front nogs on edge to increase chimney chase dimension.

Ensure suitable air vents (2 x 80mm diameter or equivalent) in place to vent firebox space - these maybe located in the floor or in the side wall space. Ensure vents must be bird and vermin proofed.

**Note:** Wood Installations can be converted to Gas at a later date. or have a gas ignition system fitted. Consider running a gas supply to firebox cavity at the time of construction.

## FIREBOX INSTALLATION

1. All dimensions shown for the framing trim out and metal heat shields, are based on a maximum frontal clearance between the timber framing and the rear of the firebox fascia, **being not more than 15mm.**
2. Locate floor protector in trim out cavity. If on a concrete floor, suggest a mortar screed to the underside of the floor protector. If on a wooden floor, screw or dynabolt in place.
3. Locate stud openings on both sides.
4. Position and ensure a strip of glass rock wool insulation is between the inner hebel leg face and the firebox. Nail through stud into hebel leg to secure in place.
5. Locate and position firebox, fit and seal gather in cavity (refer to Cross Section). Earthquake restraints may be positioned by drilling through firebox into the floor protector, in a position midway beneath the log-pan. Two 12mm dynabolts or similar will suffice. Do not over tighten and deform firebox.
6. Attach rock wool to the sides & back of the firebox and gather. **DO NOT BLOCK OFF** the air entry between the inner flue pipe and flue pipe casing or the air circulation between the vent holes in the cavity.
7. Once the flue system is installed, place a minimum 300mm hebel block over the top of the firebox (see Fig. 8). **Ensure the hebel block does not rest on top of the firebox.** A Lintel Bar may be required.

## CROSS SECTION

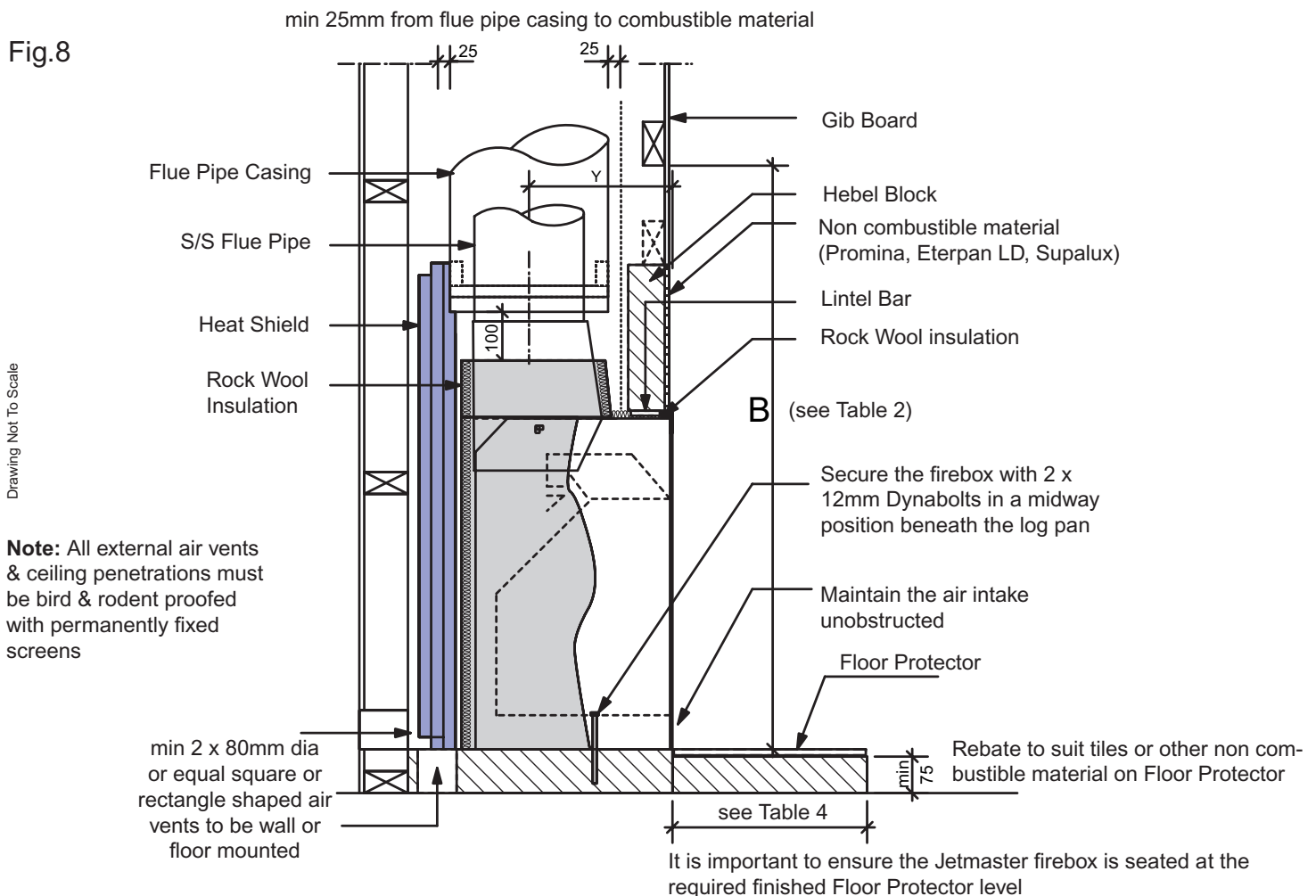
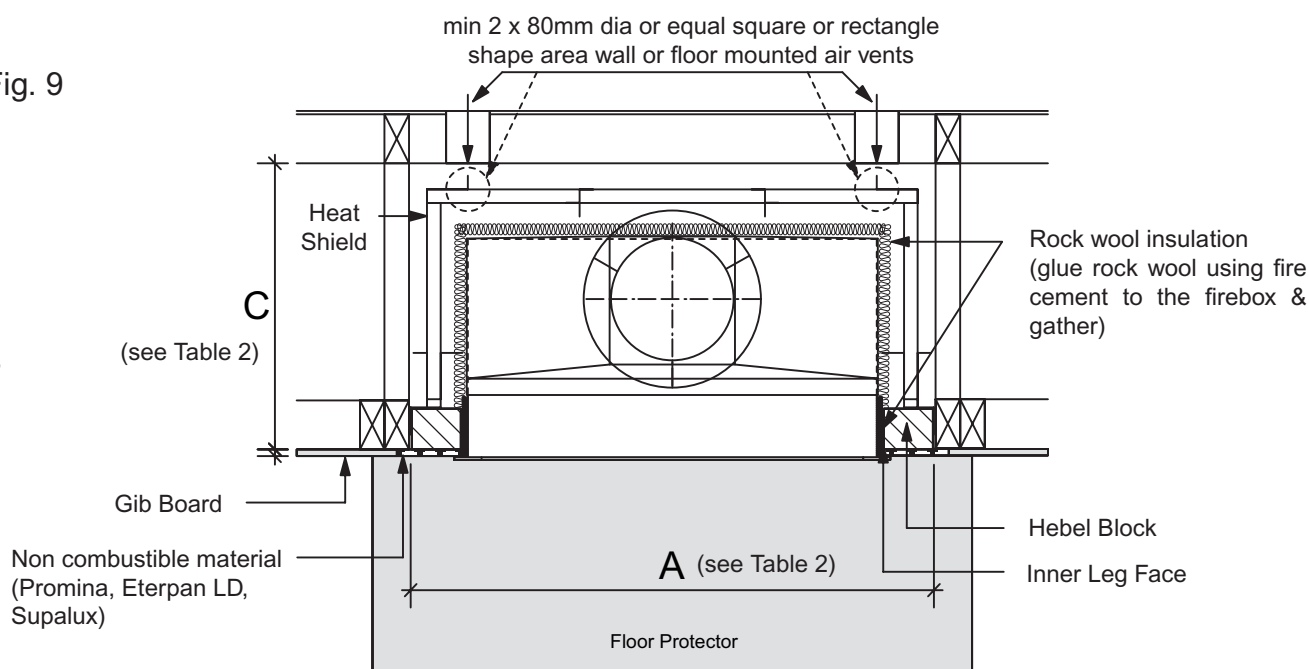


Fig. 9

Drawing Not To Scale

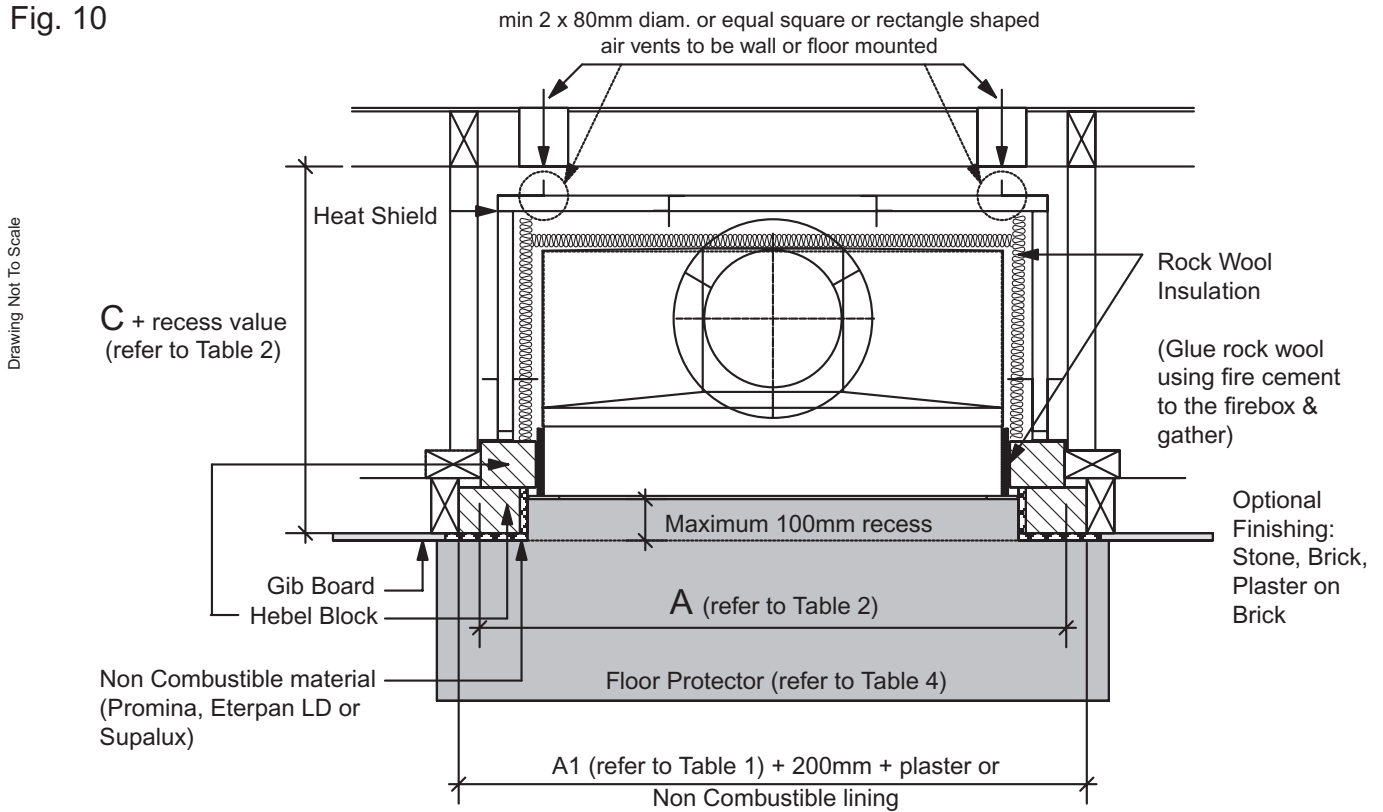


## FLUE INSTALLATION

1. Install first length of flue pipe crimped end down, inside gather collar. Rivet flue pipe in 3 places around gather collar. Place bottom flue spider bracket around gather flue pipe collar, secure in position by tightening up coach bolt/screw (supplied).
2. Install second length of the flue pipe crimped end down and fix by riveting in at least 3 places around the flue pipe joint.
3. Install first length of the flue pipe casing by positioning on installed bottom flue spider bracket crimped end up.
4. Position flue spacer at the flue pipe joint.
5. Repeat steps 1 - 4 to the required flue height. As per AS/NZS2918:2001 4.9.1
  - a. "the flue pipe shall extend not less than 4.6m above the top floor protector".
  - b. "the minimum height of the flue system within 3m distance from the highest point of the roof shall be 600mm above that point".
  - c. "the minimum height of a flue system further than 3m from the highest point of the roof shall be" a minimum "1000mm above roof penetration".
  - d. "no part of any building lies in or above a circular area described by a horizontal radius of 3m about the flue system exit".
6. The last length of flue pipe needs to extend past the flue pipe casing by at least 150mm or flush with the top of the casing cover spigot when fitted - sizing/measuring and cutting down should be carried out prior to the flue pipe casing being fitted over the flue pipe.
7. Before fitting casing cover, place the spider in opposition with the spider post facing down between the flue pipe and flue pipe casing. Secure spider in position. Place the casing cover over the flue pipe, press down firmly onto the spider. Check airway around the casing cover is clear, then secure in position using three stainless steel rivets.
8. Fit cowl to top of flue - DO NOT RIVET IN POSITION. In high wind areas, it is recommended that the cowl be secured in position with a stainless steel self tapping screw, this will enable the cowl to be removed for cleaning. Discuss Bird Proofing needs with your installer. N.B. in extreme wind areas it may be necessary to consult The Fireplace Ltd or your local agent for further technical assistance Ph: 0800 843 3473.
9. If flue is concealed in a chase, allow for air vents (2 x 80mm diam. or equivalent) at the highest possible point on the chimney chase or alternatively, allow a min 25mm air space between the casing cover spigot and the outer casing. Refer to Figure 12, 13, 14.

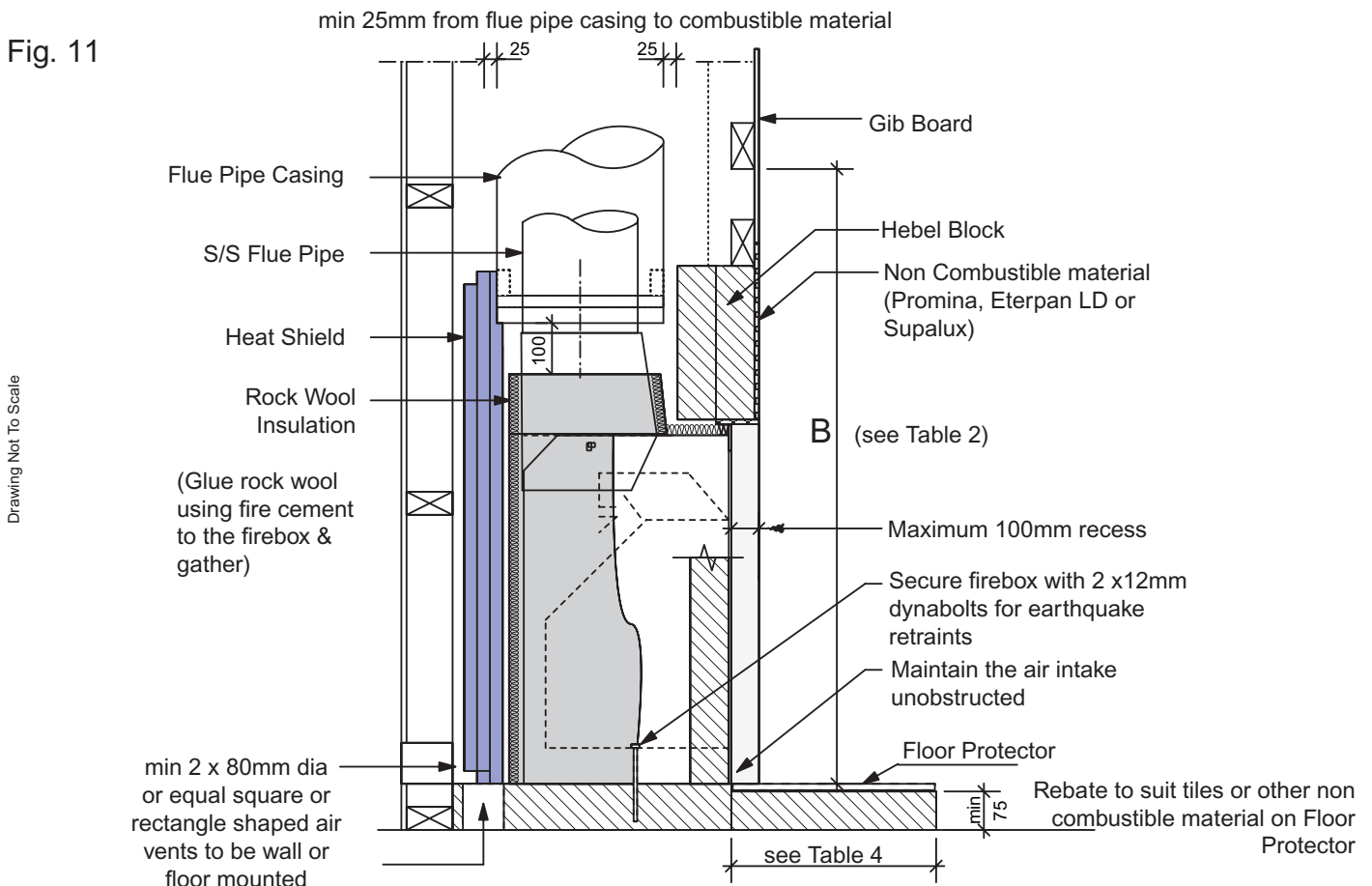
**Note:** Fig. 10 & Fig. 11 refers to installations where the firebox is recessed. **Maximum recess = 100mm**

Fig. 10



## CROSS SECTION - RECESS DETAIL

Fig. 11



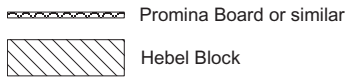
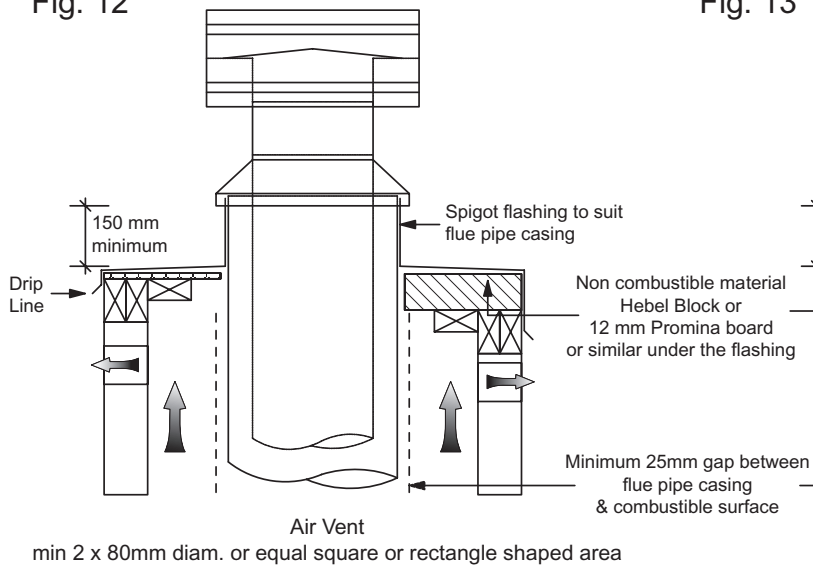
**Note:** All external air vents & ceiling penetrations must be bird & rodent proofed with permanently fixed screen

It is important to ensure the Jetmaster firebox is seated at the required finished Floor Protector level

## Air Ventilation Through Chimney Chase

Fig. 12

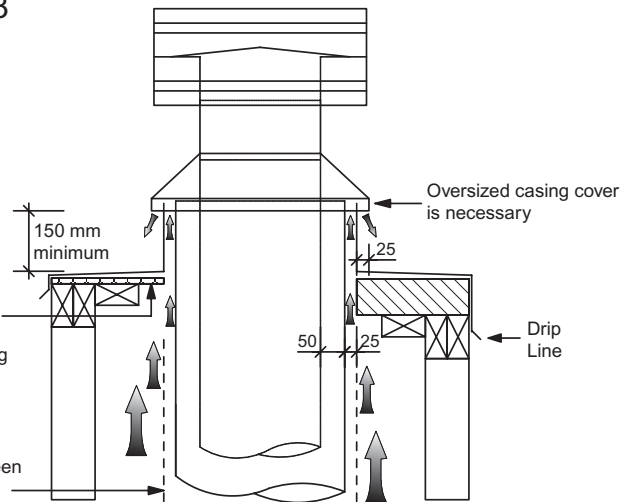
Drawings Not To Scale



**Note:** All external air vents & ceiling penetrations must be bird & rodent proofed with permanently fixed screens

## Air Ventilation Through Top Flashing

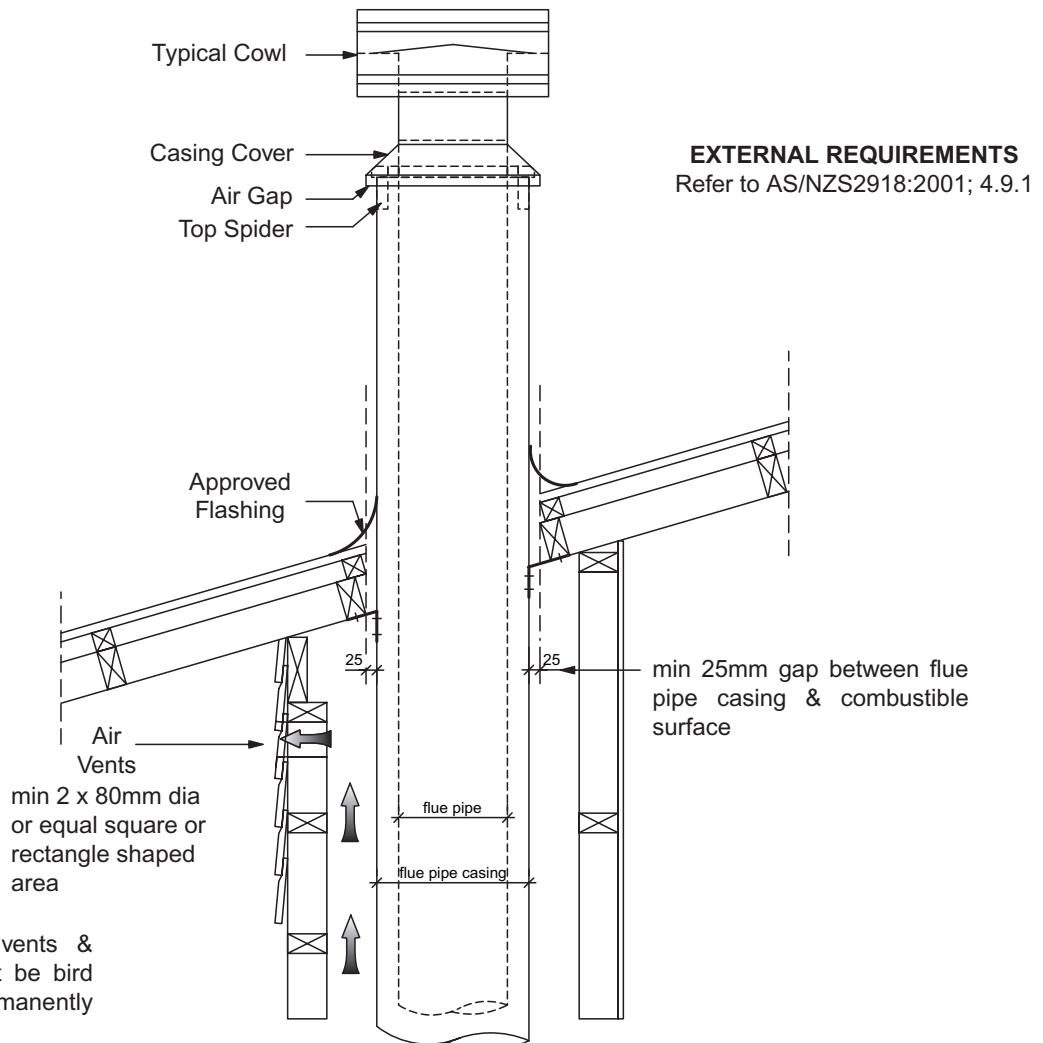
Fig. 13



# FLUE PENETRATION

Fig. 14

Drawing Not To Scale



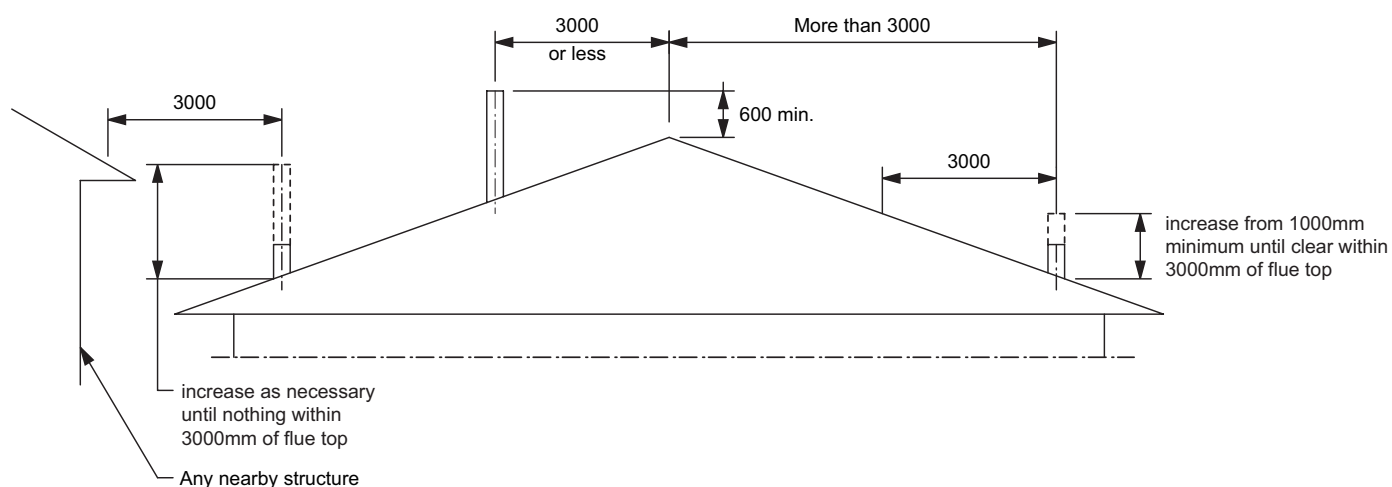
**Note:** All external air vents & ceiling penetrations must be bird & rodent proofed with permanently fixed screens

## MINIMUM HEIGHT OF FLUE SYSTEM EXIT

5.TW.1H

As per AS/NZS 2918:2001 4.9.1 Fig 4.9

Fig. 15



## CHIMNEY CHASE MINIMUM TRIM OUT

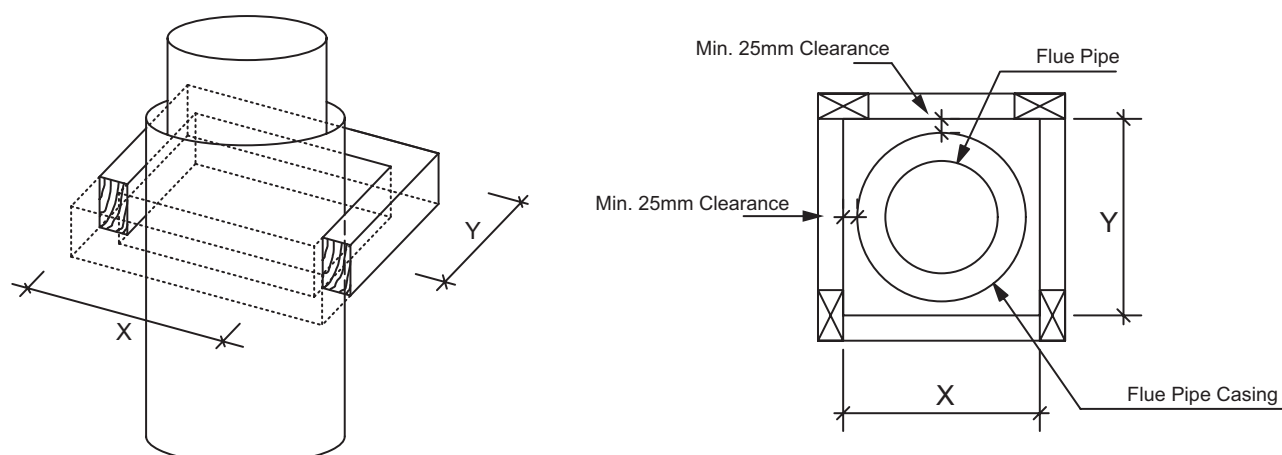
Table 3

MODEL	FLUE SYSTEM	MINIMUM TRIM OUT DIMENSION	
		X (min)	Y (min)
500 - 700 SH/SH L	200/300	350	350
700 D	225/325	375	375
850L	250/350	400	400
1050LL	300/400	450	450
1200	400/500	550	550
1500	450/550	600	600

Dimensions in mm

**Note:** A minimum 25mm clearance from flue pipe casing to combustible material must be maintained.  
A Minimum clearance of 200mm above Heat Shield must be maintained.

Fig. 16





## MINIMUM FLOOR PROTECTOR SIZE

5.TW.11

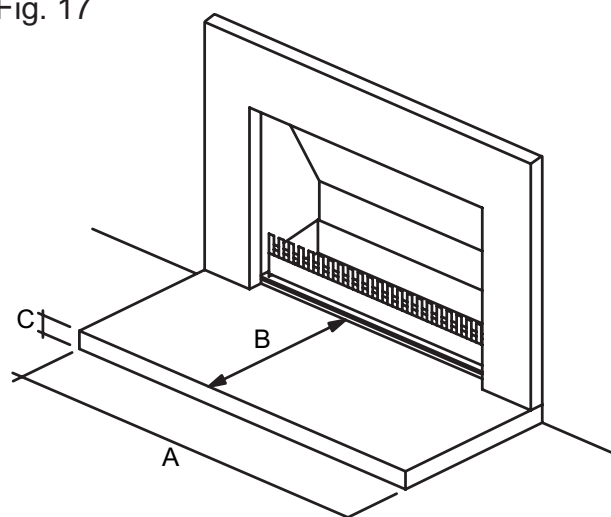
Table 4

MODEL	A	B	C *
500U	900	300	75
600U	1000	300	75
700 SH	1100	400	75
700 SH Low	1100	400	75
700D	1100	400	75
850 Low	1250	450	75
1050 Low Low	1450	600	75
1200	1600	750	75
1500	1900	850	75

Dimensions in mm

\* A minimum 75mm thickness refers only to Hebel Block.  
Minimum 100mm thickness required if poured concrete.

Fig. 17



## AIR REPLACEMENT PREPARATION

The Fireplace Ltd specifies that allowances **MUST** be made for air replacement vents to be located near the fireplace, to aid combustion and reduce the incidence of back venting. Refer below for air vent sizing and suggested location.

Fig. 19 - Location points A,B,C,D are suggested combinations. A minimum of **one pair** of air vents is recommended or one large vent, as per location point D. Allowance to be made for minimum 2 inlet ducts from outside to internal vent location.

**Note:** DO NOT USE FIREPLACE CAVITY VENTILATION AS A METHOD OF AIR REPLACEMENT.

Fig. 18

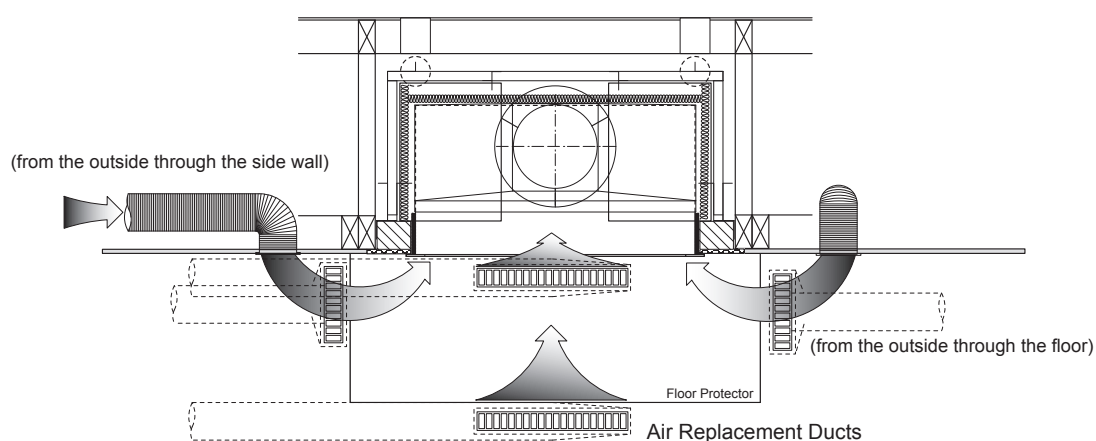


Table 5

MODEL	MINIMUM VENT SIZE (x2)	
	Square Design (L x H)	Rectangle Design (L x H)
500 - 700	100 x 100	200 x 50
850	125 x 125	250 x 50
1050	150 x 150	250 x 100
1200	175 x 175	350 x 100
1500	200 x 200	400 x 100

Dimensions in mm

Note: Table 5 dimensions are internal dimensions only, does not include vent flange

Fig. 19

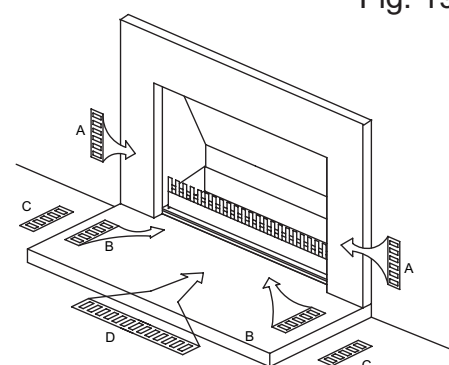
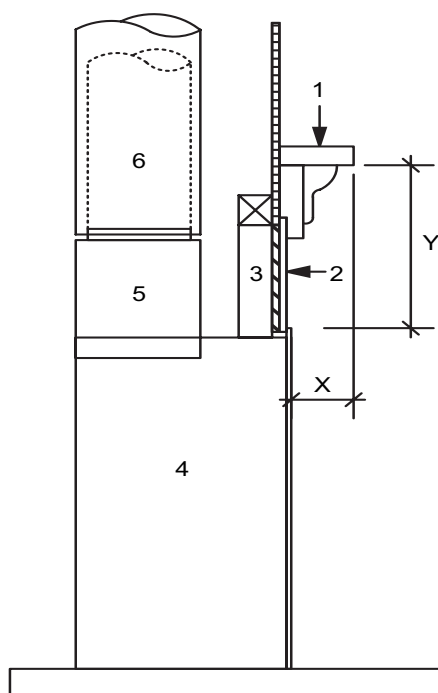


Fig. 20

Drawing Not To Scale



**Notes:**

1. Mantel / Surround
2. Tile or margin facing (non combustible material)
3. Hebel Block
4. Firebox
5. Gather
6. Flue

X See Fig. 21

Y See Fig. 21

If you are using a decorative surround constructed of combustible material, it must be located within the shaded area defined in Fig. 21

Fig. 21

Drawing Not To Scale

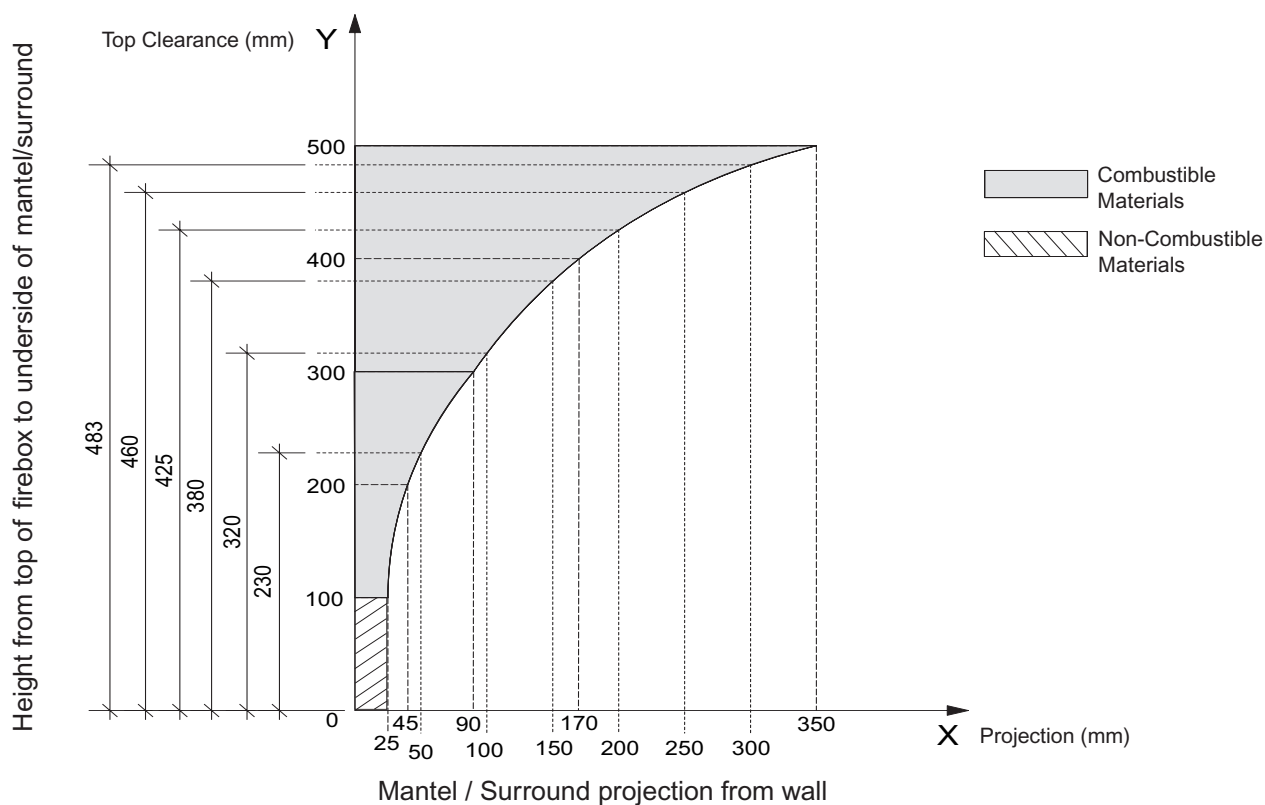
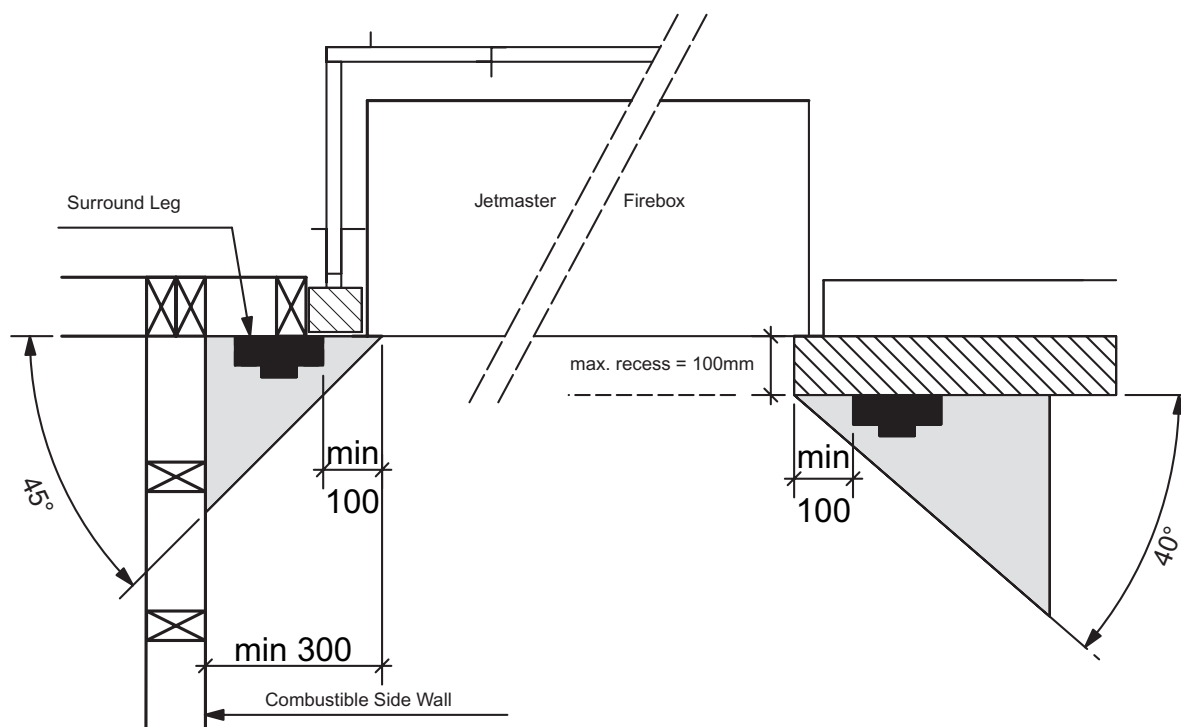


Fig. 22

Drawing Not To Scale



**Note:** Adjacent combustible side walls must be located a minimum of 300mm from the fireplace opening.

**WARNINGS:**

**WARNING: THE APPLIANCE AND FLUE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH AS/NZS2918 AND THE APPROPRIATE REQUIREMENTS OF THE RELEVANT BUILDING CODE OR CODES.**

CAUTION: MIXING OF APPLIANCE OR FLUE SYSTEM COMPONENTS FROM DIFFERENT SOURCES OR MODIFYING THE DIMENSIONAL SPECIFICATION OF COMPONENTS MAY RESULT IN HAZARDOUS CONDITIONS. WHERE SUCH ACTION IS CONSIDERED, THE MANUFACTURER SHOULD BE CONSULTED IN THE FIRST INSTANCE.

CAUTIONS: CRACKED AND BROKEN COMPONENTS, e.g. GLASS PANELS OR CERAMIC TILES, MAY RENDER THE INSTALLATION UNSAFE.

**WARNING: DO NOT USE FLAMMABLE LIQUIDS OR AEROSOLS TO START OR REKINDLE THE FIRE.**

**WARNING: DO NOT USE FLAMMABLE LIQUIDS OR AEROSOLS IN THE VICINITY OF THIS APPLIANCE WHEN ITS OPERATING.**

**WARNING: DO NOT STORE FUEL WITHIN HEATER INSTALLATION CLEARANCES.**

**WARNING: WHEN OPERATING THIS APPLIANCE AS AN OPEN FIRE USE A FIRE SCREEN.**

CAUTION: THIS APPLIANCE SHOULD BE MAINTAINED AND OPERATED AT ALL TIMES IN ACCORDANCE WITH THESE INSTRUCTIONS.

CAUTION: THE USE OF SOME TYPES OF PRESERVATIVE-TREATED WOOD AS A FUEL CAN BE HAZARDOUS.

CAUTION: IF INSTALLED IN A COMMERCIAL SETTING A SACRIFICIAL PLATE MUST BE FITTED TO THE BACK OF THE FIRE TO COMPLY WITH JM FIREBOX WARRANTY CONDITIONS.



Head Office & Showroom  
12 Tawari St, Mt Eden, Auckland  
Ph: 09 623 6990  
[thefireplace.co.nz](http://thefireplace.co.nz)

