

JETMASTER IGC GAS CONVECTOR INSTALLATION INSTRUCTIONS TYPICAL IN-BUILT MASONRY

ALL INSTRUCTIONS TO COMPLY WITH GAS INSTALLATION AS/NZS 5601.1:2013 & AS/NZS 5263.0.2017

*Due to continued product improvement, The Fireplace Ltd reserves the right to change product specifications without prior notification
As per AS/NZS 5263.0.2017 2.15.2.3. - DO NOT USE AN UNLINED MASONRY CHIMNEY AS THE FLUE FOR THIS APPLIANCE*

**INSTRUCTIONS ARE FOR INSTALLATION INTO A COMPLETE MASONRY FIREPLACE CONSTRUCTION
I.E: CAVITY AND CHIMNEY CHASE (NO COMBUSTIBLES)**

Masonry Definition:

- Solid Concrete
- Concrete Block
- Brick
- Hebel Power Panel

Consult The Fireplace Ltd or your local agent for any variation of the installation specified below



IMPORTANT: Read all instructions carefully before starting installation.
Failure to follow these instructions may result in a fire hazard and will void the warranty.
This appliance must be serviced every 12 months by a registered gas fitter.

JETMASTER IGC BOX DIMENSIONS

2.MG.2B

Table 1

Model	A	A1	A2	B	C	D	E	F	G	Y
700	700	800	750	341	650	290	200/250	630	265	280
850	850	950	900	341	650	290	250/300	630	265	280
1050	1050	1150	1100	341	570	290	250/300	550	265	280
1200	1200	1300	1250	341	570	290	250/300	550	265	280
1500	1500	1600	1550	341	570	290	250/300	550	265	280

Dimensions in mm

Fig. 1

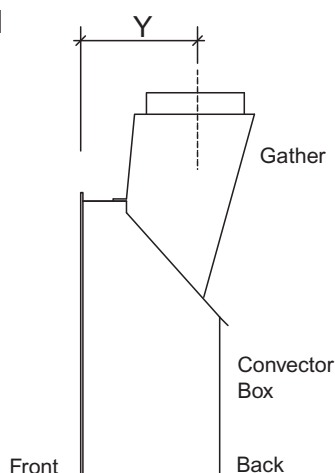
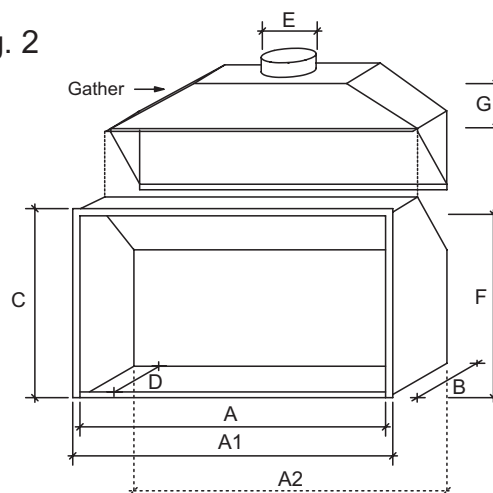


Fig. 2



GAS TRAY OPERATING OPTIONS

Table 2

SFB	Manual	*M.V. Wall Switch
700	✓	✓
850	✓	✓
1050	✓	✓
1200	✓	✓
1500	✓	✓

MINIMUM CAVITY SIZE

Table 3

MODEL	A	B	Temporary Lintel	X min* Hearth	Y min* Hearth
700	800	450	1200	300	1100
850	950	450	1200	300	1250
1050	1150	450	1200	300	1450
1200	1300	450	1200	300	1600
1500	1600	450	1200	300	1900

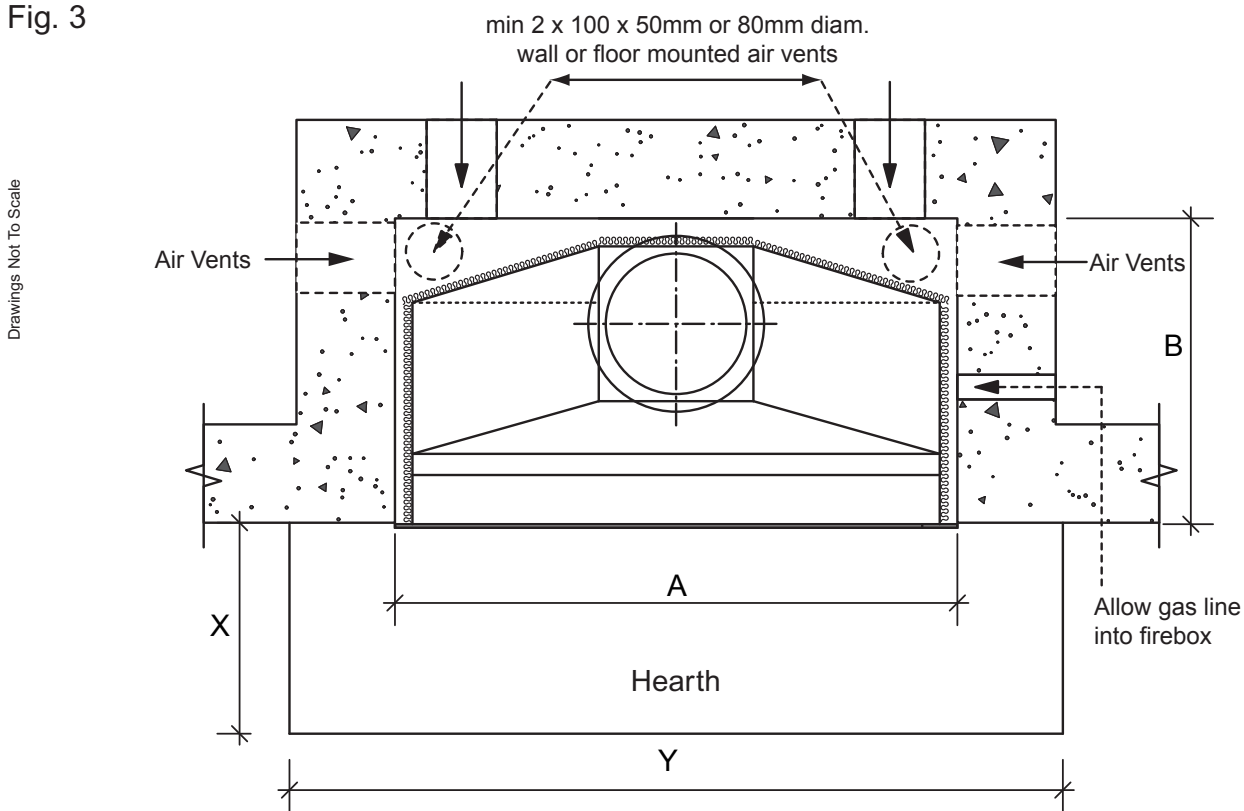
Refer to Table 3 for the minimum cavity dimensions and temporary lintel height measurements, until the convector box and flue system is installed.

Note: Temporary lintel height is measured from finished floor protector level.

Ensure suitable air vents (min. 2 x 80mm diameter or equivalent) in place to vent firebox cavity - these may be located in the floor or in the side wall space; make allowance (min. 2 x 80mm diameter or equivalent) at the top of the chimney chase, See Fig. 3. Ensure vents are bird and vermin proofed.

PLAN

Fig. 3



Floor Protector to be made of non-combustible material.

Please note that these dimensions (based on Masonry margins) are the absolute minimum sizes - widths (A & B) maybe increased if desired. If you intend on recessing the firebox, please add the recess value to Dimension 'B'. Refer to Fig. 5

MAXIMUM RECESS = 100mm

It is important to ensure the Jetmaster gas convector is seated at the required finished floor protector level.

1. Fit and seal gather, using fire cement (exhaust cement) and bolts (supplied), to the convector box. Note: Pop rivet back of gather to convector box if required.
2. Locate and position convector box and gather in cavity.
3. Attach rock wool to the sides & back of the convector box 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.
4. Drill a hole in the convector box for the Gas Line/ Wall switch cable (3m Supplied) or remove 20mm knockout discs.
5. A minimum 300mm non combustible floor protector (hearth) is in front of the convector box. Ensure that the base of the fire sits on the finished hearth level.

CROSS SECTION

Fig. 4

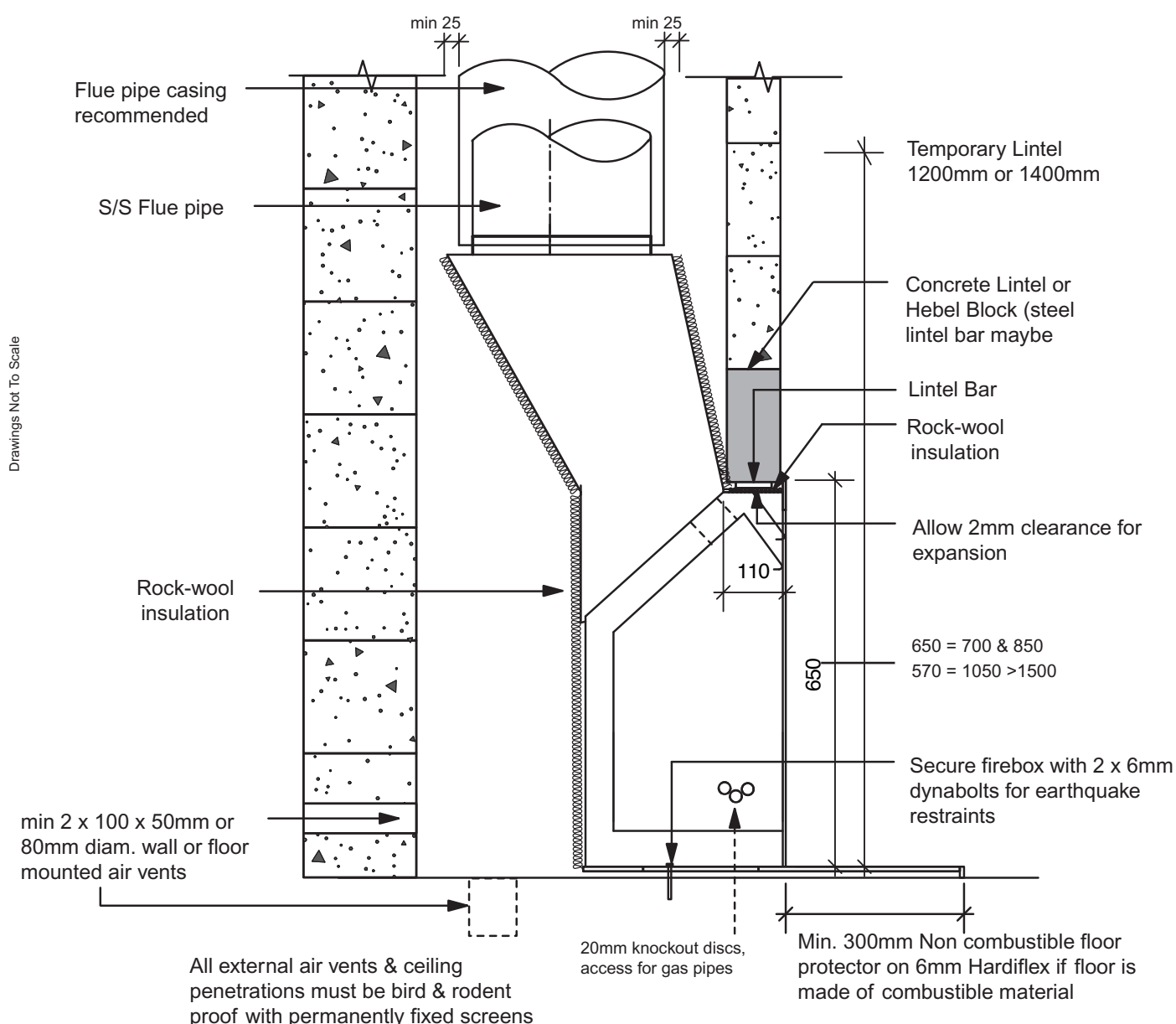
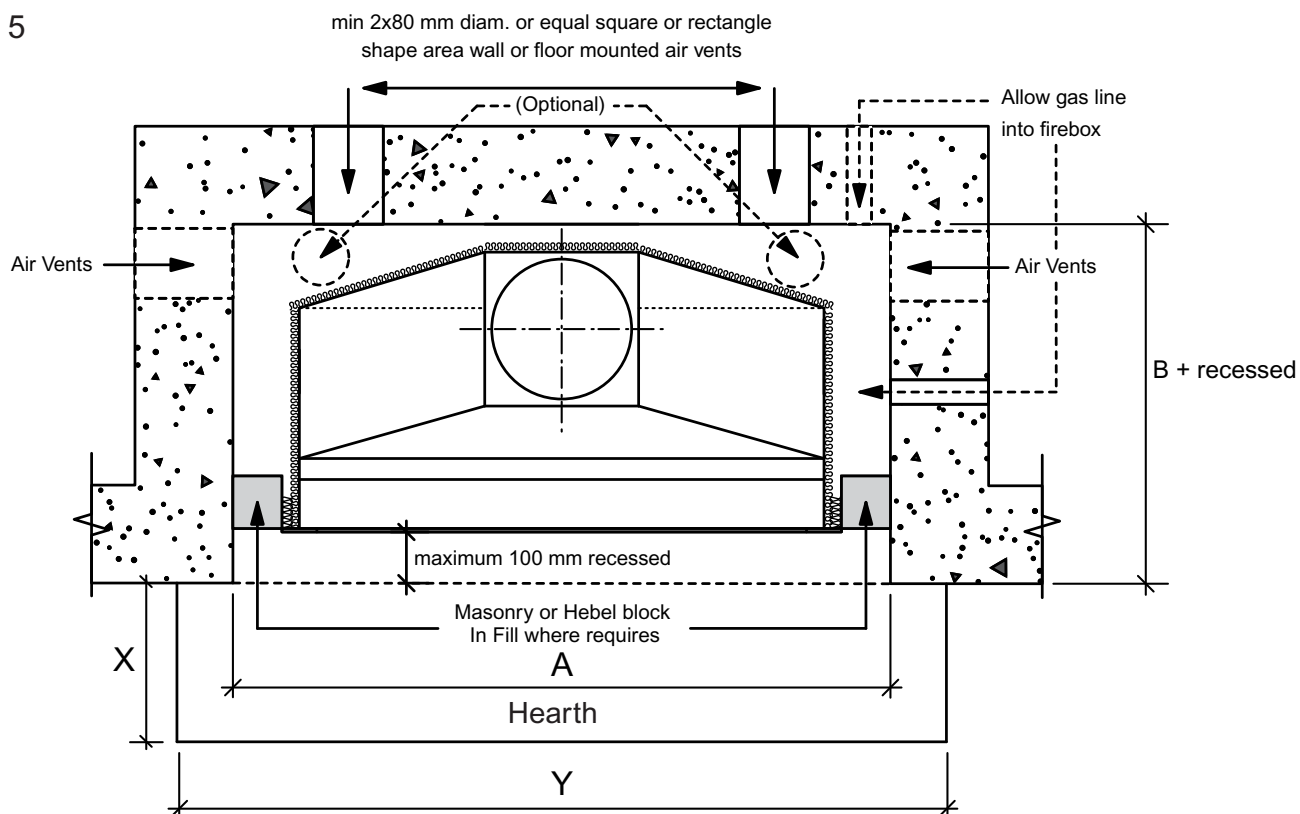
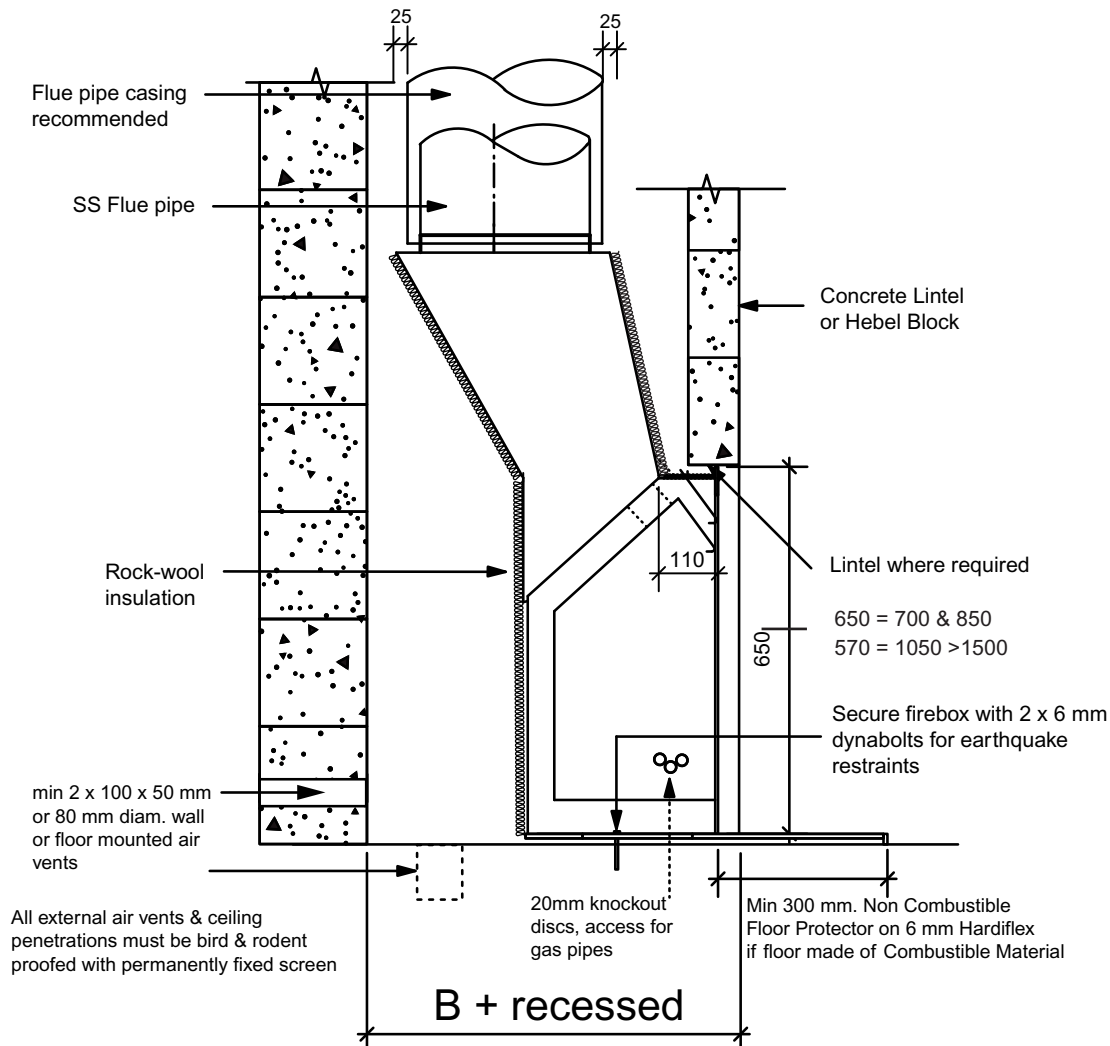


Fig. 5



RECESS SECTION

Fig. 6

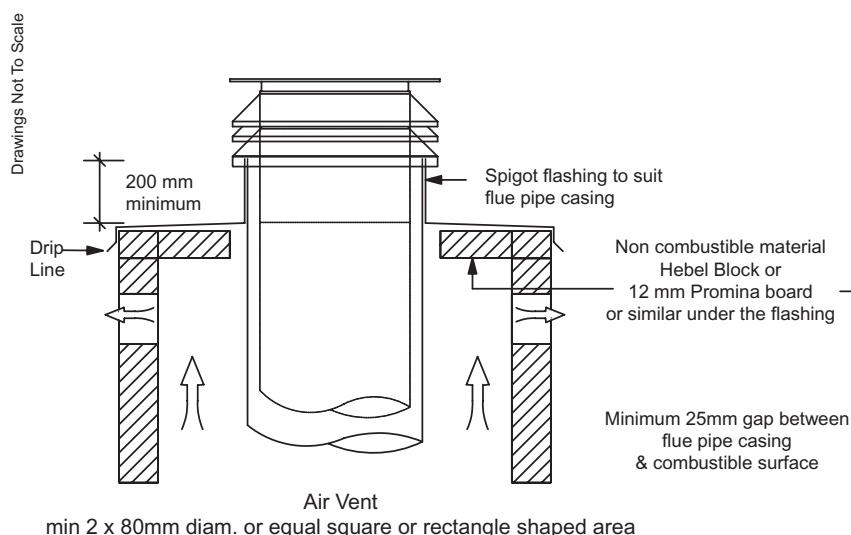


1. Install first length of flue pipe crimped end down, inside gather collar. Rivet flue pipe in 3 places around gather collar. Place bottom flue spider bracket around gather flue pipe collar, secure in position by tightening up coach bolt/screw (supplied).
2. Install second length of the flue pipe crimped 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. As per manufacturers recommendation, the flue pipe shall extend not less than 3.6m above the fire box.
6. The flue is required to be at least 500mm above the nearest point on any part of the buildings roof and neighbouring buildings if within a 3m radius. Refer to NZS AS/NZS 5601:2013 for further information.
7. 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.
8. 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.
9. 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.
10. 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 7 and 8.

CHIMNEY CHASE AIR VENTILATION

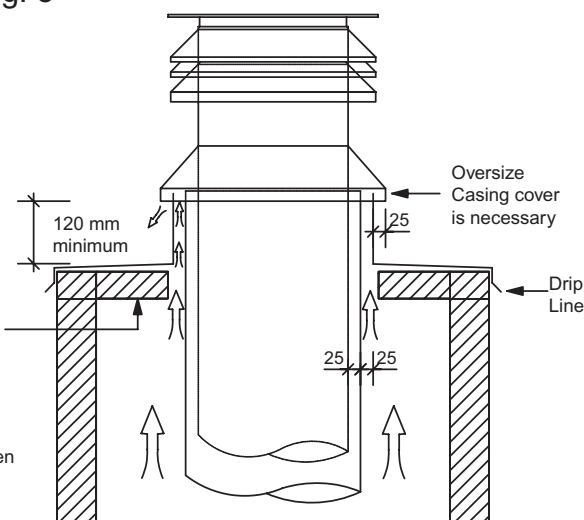
Air Ventilation Through Chimney Chase

Fig. 7



Air Ventilation Through Top Flashing

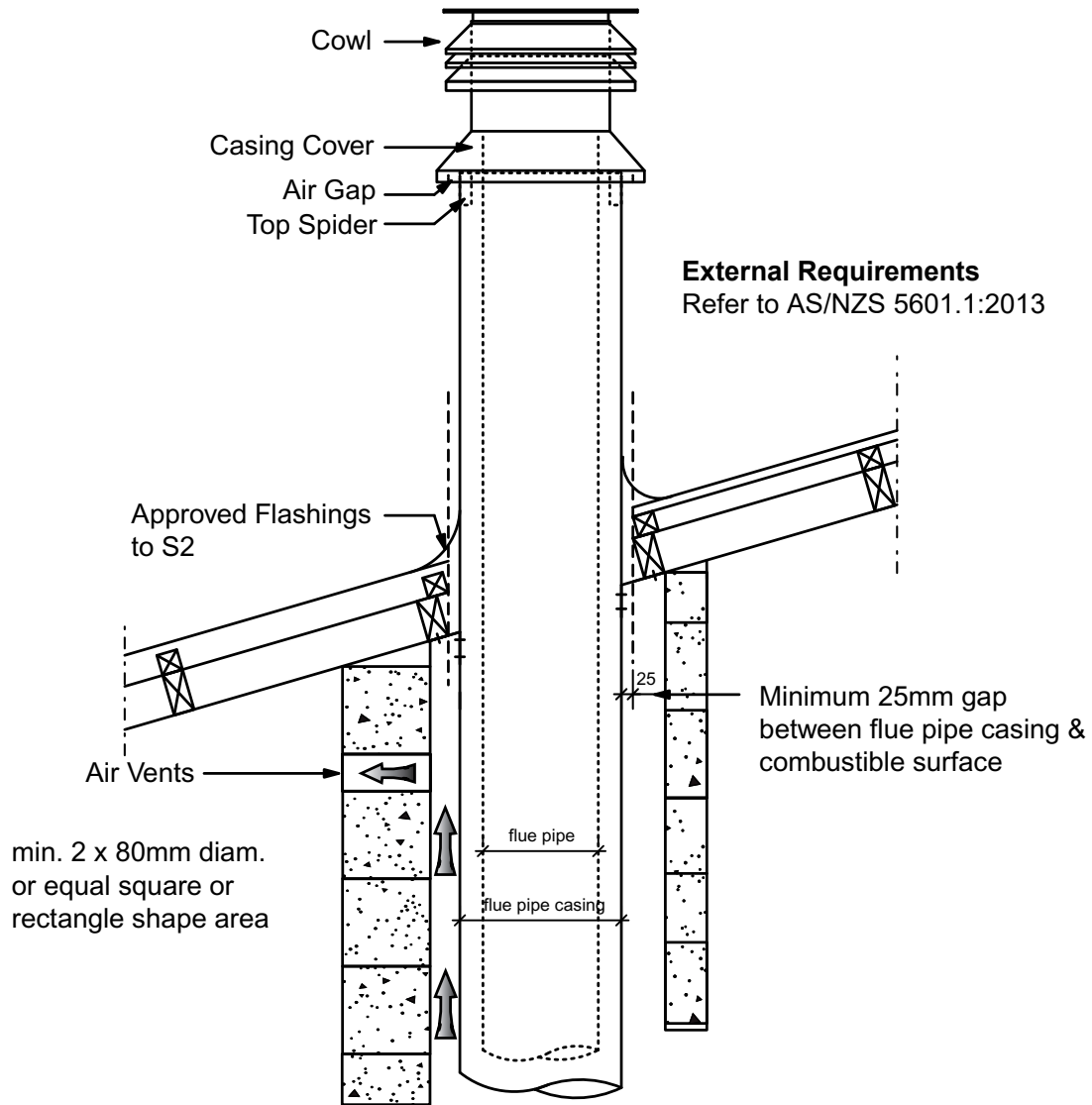
Fig. 8



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

Fig. 9

Drawing Not To Scale

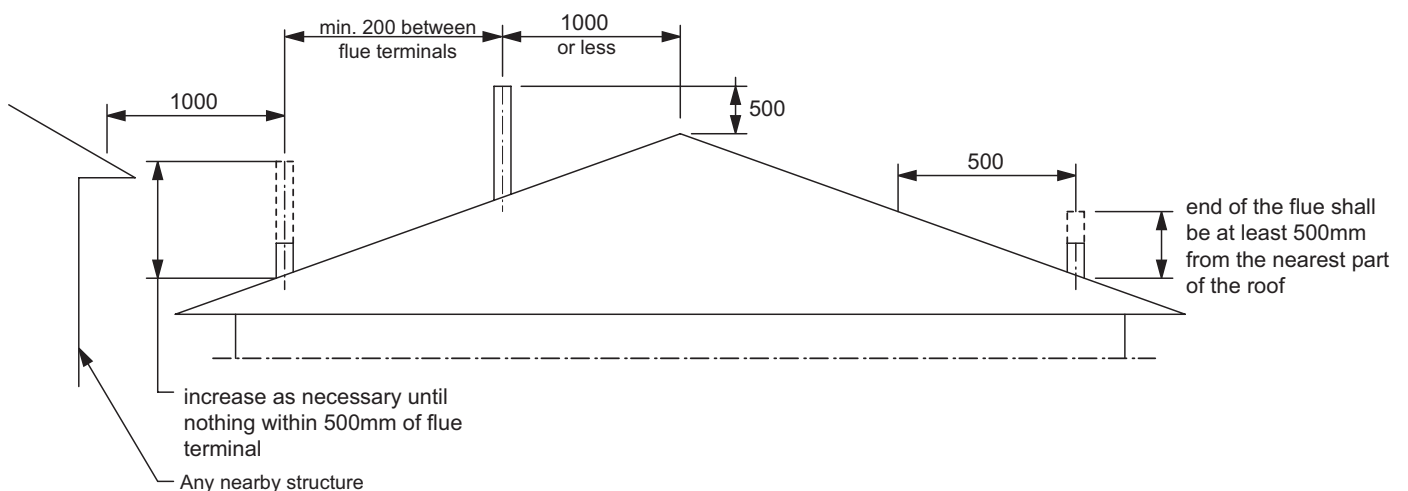


Note: All external air vents & ceiling penetrations must be bird & rodent proofed with permanently fixed screens

MINIMUM HEIGHT OF FLUE SYSTEM EXIT

As per AS/NZS 5601.1:2013 Flue Terminals

Fig. 10



CHIMNEY CHASE MINIMUM TRIM OUT

2.MG.2H

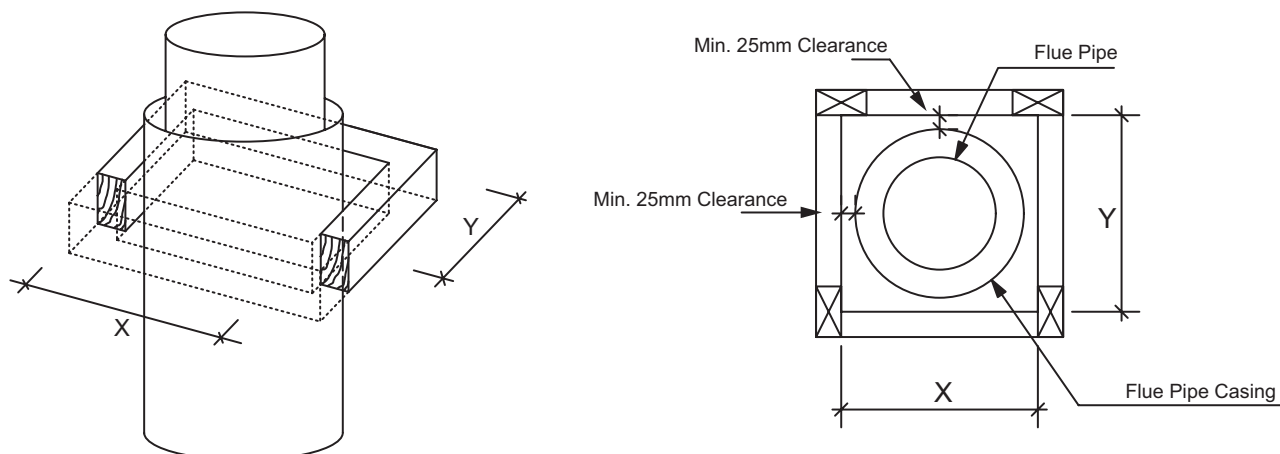
Table 4

MODEL	FLUE SYSTEM	MINIMUM TRIM OUT DIMENSION	
		X (min)	Y (min)
700	200/250	300	300
850	250/300	350	350
1050	250/300	350	350
1200	250/300	350	350
1500	250/300	350	350

Dimensions in mm

Note: A minimum 25mm clearance from flue pipe casing to combustible material must be maintained.

Fig. 11



CLEARANCE TO COMBUSTIBLE MANTELS

If you are using a decorative surround constructed of combustible material, it must be located within the shaded area defined in Fig. 12.

Fig. 12

Drawing Not To Scale

