



A division of Terry Young Ltd, New Zealand

INSTALLATION INSTRUCTIONS for

ELLERY WOOD BURNER

• Ultra Low Emission Wood Burner (ULEB)

NOVEMBER 2025

TESTED in compliance with AS/NZS 2918: 2001

- A.** Yunca recommends that competent trades persons carry out all installations (e.g. NZHHA Registered Installer), to obtain maximum performance and safe, efficient heating.
- B.** A permit is required, and we suggest you check with local building inspectors as by-laws do vary from area to area.
- C.** Also notify your Insurance Company that a solid fuel heater has been installed.
- D. Floor Protector –**
- D1.** Ash Floor Protector (hearth) must be constructed of non-combustible materials.
 - D2.** 6mm thick floor protector (compressed board) should be used under and in front of the appliance base, as per minimum floor protector measurements ([Fig.C](#)).
 - D3.** Thermal resistivity to compressed board of $0.026\text{m}^2.\text{K/W}$ or greater should be achieved.
 - D4.** Must extend a minimum of 300mm in front of the closed appliance door.
[Measurement is taken from the foremost part of the closed door (excluding handle)].
 - D5.** Appliance must be placed centrally within the minimum hearth width in order to achieve minimum side clearances.
- E. Seismic restraint –** Heater must be restrained from seismic movement as required by AS/NZS 2918:2001. 10mm diameter bolting holes in the rear corners allow restraint.
- F. TESTED MINIMUM CLEARANCES from combustible walls.**

➔ Tested in compliance with AS/NZS 2918:2001

- F1.** For standard wall clearances, the “reduced clearance appliance heat shield” (upper section of the rearmost heat shield), must be raised or removed entirely.

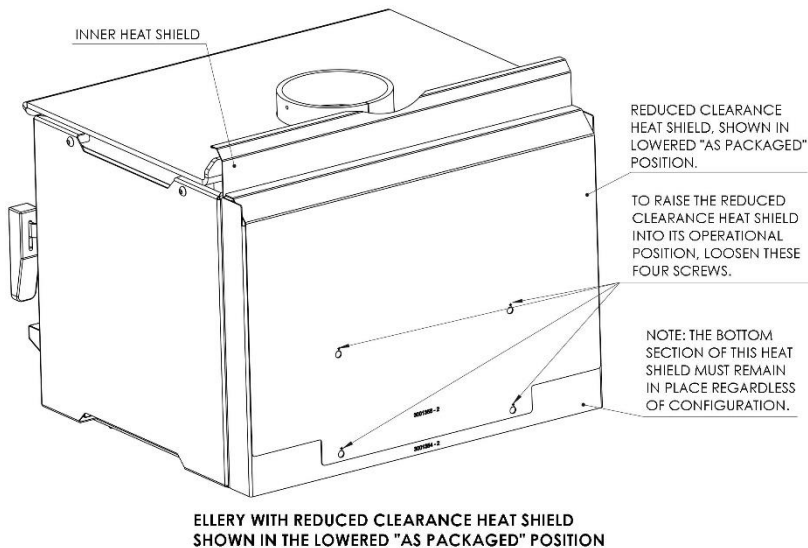
Standard Clearance: Fitted with DOUBLE-SKIN HALF GUARD (flue shield) ONLY (Reduced-clearance appliance heat shield removed) [Measurement taken from rearmost appliance heat shield]	Rear Clearance	125mm
	Side Clearance	400mm
	Corner Clearance	175mm

- F2.** To utilise the reduced wall clearance option, “reduced clearance appliance heat shield” (upper section of the rearmost heat shield), must be raised from its lowered transport configuration.

Reduced Clearance: Fitted with DOUBLE-SKIN HALF GUARD (flue shield) AND REDUCED-CLEARANCE APPLIANCE HEAT SHIELD. [Measurement taken from rearmost appliance heat shield]	Rear Clearance	50mm
	Side Clearance	400mm
	Corner Clearance	175mm

- F3.** Either configuration will fully expose the required serial and data labels of the unit (that are otherwise partially obscured during transport).

G. ELLERY WOOD BURNER Appliance Heat Shield Configuration



G1. Unit is shipped with “Reduced Clearance Appliance Heat Shield” (upper section of the rearmost heat shield) in a lowered position, to conserve space.

♦ **WARNING:**
Reduced Clearance Heat Shield **must not** be left in the as-packaged position.

G2. This reduced clearance heat shield must either be repositioned or removed, depending on the chosen clearance option.

G3. STANDARD CLEARANCE OPTION

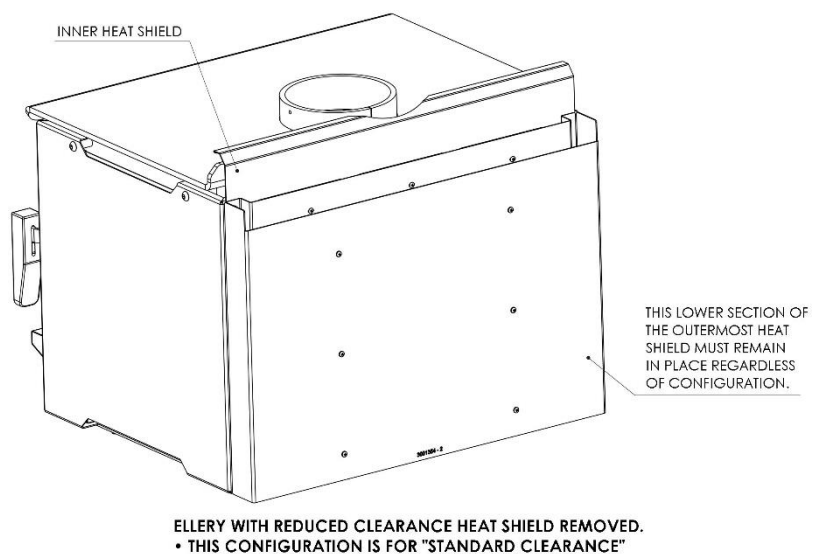
G3a. Loosen 4 screws on the rearmost heat shield.

G3b. Lift the Reduced Clearance (upper section of) heat shield, then remove.

G3c. Lightly retighten the 4 screws.

♦ For installations based on either Standard **or** Corner clearance specifications, the heat shield can be configured to either the Standard or Reduced Clearance option, depending on preference.

♦ This aesthetic choice does not however impact the clearances required.



G4. REDUCED CLEARANCE OPTION

G4a. Loosen 4 screws on the rearmost heat shield

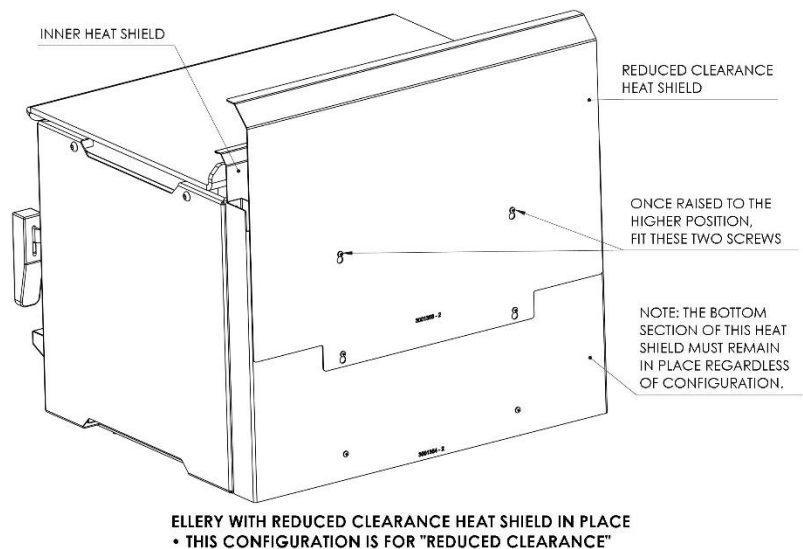
G4b. Lift the Reduced Clearance (upper section of) heat shield, then remove.

G4c. Place the 2 supplied screws into the now-visible holes above other screws.

G4d. Replace the Reduced Clearance heat shield into the raised operational position.

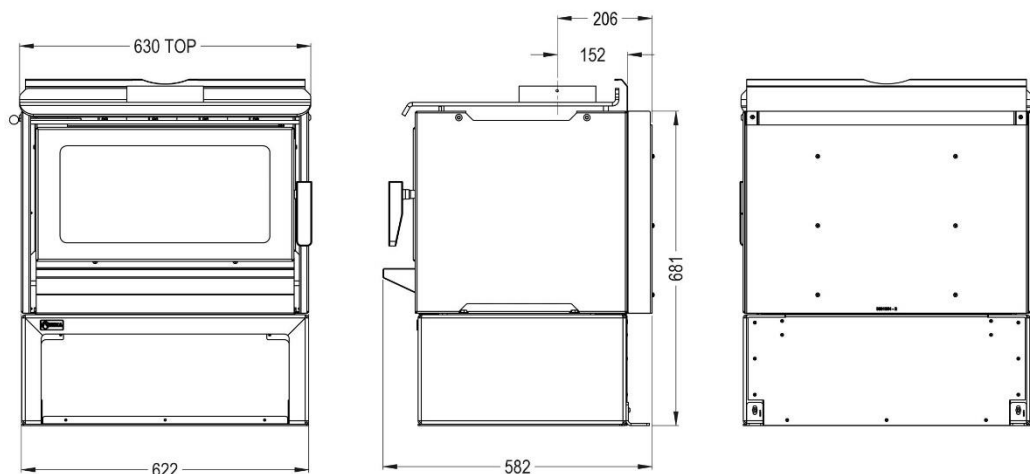
⇒ The screws fitted in the previous step are now the top screws for this panel.

G4e. Once in place, lightly tighten all 6 screws.

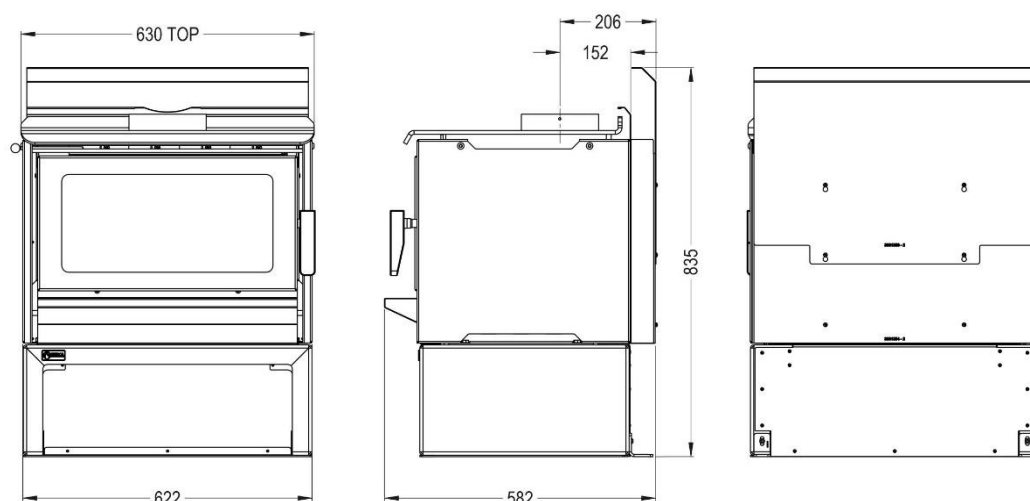


H. Ellery Profile Images, with Dimensions

H1a. STANDARD CLEARANCE CONFIGURATION with reduced-clearance appliance heat shield REMOVED.



H1b. REDUCED CLEARANCE CONFIGURATION with reduced-clearance appliance heat shield FITTED.



H2. Note: Euro-style stand shown above.
This is interchangeable with Leg & Pedestal stand options.

I. YUNCA Flue Kit (Tested to and Complies with AS/NZS 2918:2001 Appendix F): FIG A, B & E

4.2m x 150mm stainless steel flue.	4 x liner support angles
2.4m x 250mm galvanised liner.	2 x spider brackets
1 x ceiling tile (430mm x 430mm).	1 x flue cowl
1 x insulation boundary shield.	1 x flue cone

I1. Please Note: All flue joints must be sealed with flue sealing compound. Use stainless steel screws or rivets to join the flue pipe (three equally spaced places at each joint). The first length of flue must be fixed to the flue spigot with at least one stainless steel screw or rivet. The required minimum flue termination height is 4.6 m above the floor protector.

J. ELLERY WOOD BURNER Flue-Mounted Double-Skin Half Guard (Flue Shield). Tested to and Complies (with heater) to AS/NZS 2918:2001): Refer FIG A

1 x 1200mm length back inner shield	1 x Top bracket
1 x 1200mm length back outer shield	1 x Bottom bracket

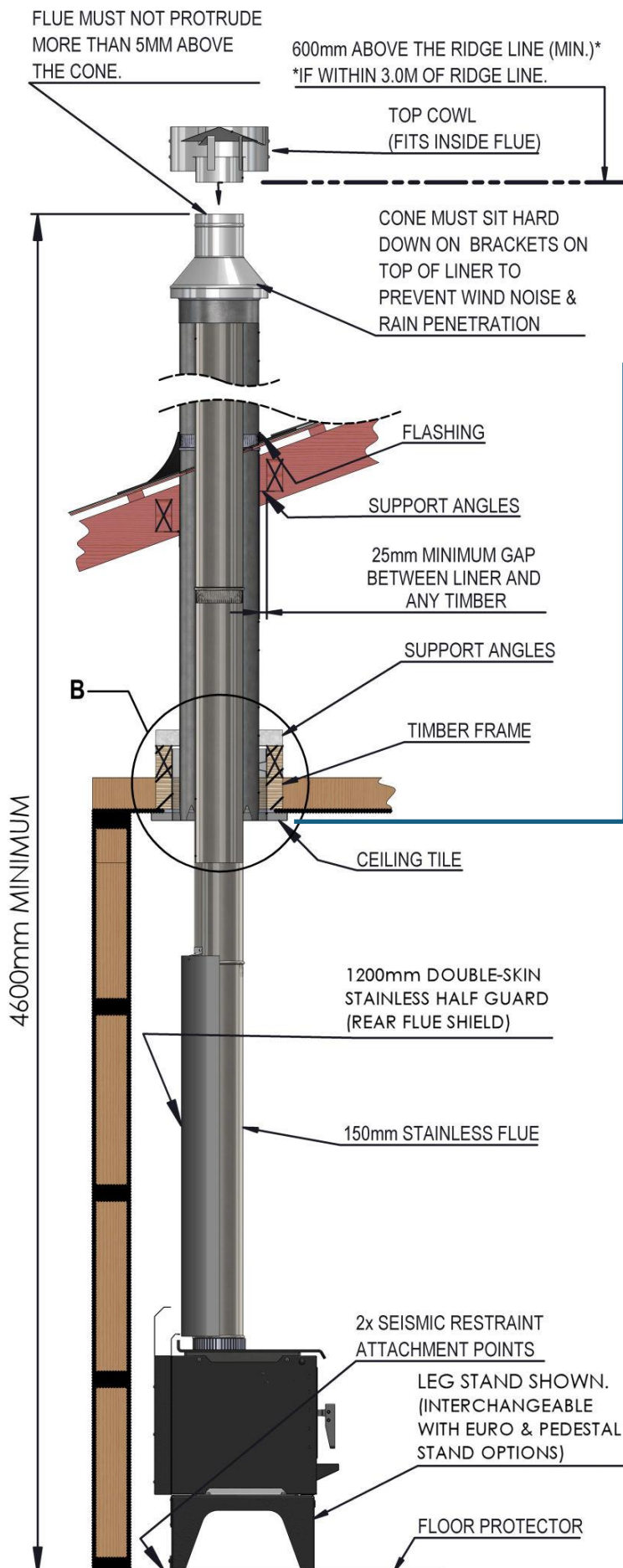
J1. Please Note: The minimum Flue Mounted Guard Height is 1200mm.

K. ELLERY WOOD BURNER – TYPICAL FLUE INSTALLATION

(drawings on the following pages not drawn to scale)

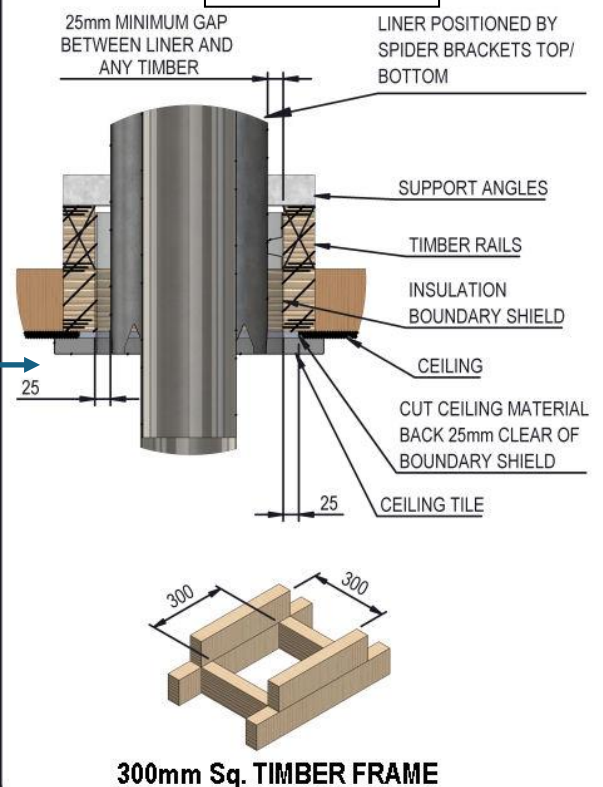
K1. FIG A: ELLERY WOOD BURNER Flue-Mounted Guard (DBL-SKIN HALF GUARD) Installation

Complies (with heater) to AS/NZS 2918:2001



ENLARGEMENT OF CEILING ASSEMBLY

FIG B.



CONDITIONS FOR FLUES (Refer Fig. D)

1. The FLUE shall extend to:
Not less than 600mm above the highest point on the roof if within 3.0m of that point,
or
Not less than 1000mm above the intersection point with the roof and not lower than any point of the roof within 3.0m.

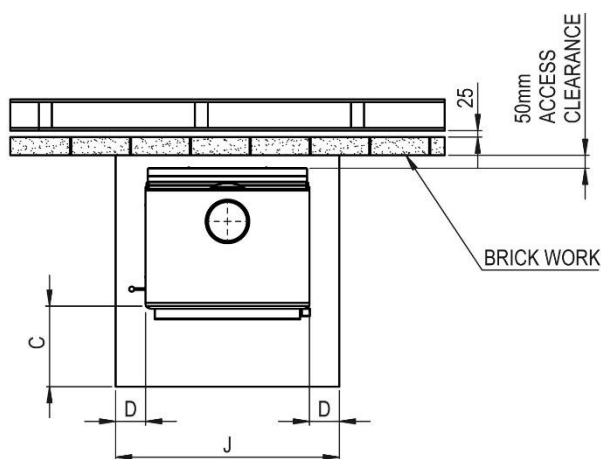
In any case the length of the flue shall not be less than 4.6m from the ash floor protector.

In some situations, the Local Council may vary the above requirements.
2. The flue system must be tested and comply with AS/NZS2918:2001, Appendix F.
3. The insulation boundary shield shall be capable of preventing accidental migration of loose-fill or any combustible material by any action of wind or by persons moving in the ceiling space.

These instructions, spare parts information, operation and maintenance guides, may be downloaded from www.yunca.co.nz

FIG. C: HEATER POSITION. (Not to scale)

Note! All Dimensions are in millimetres



Above: Non-combustible wall clearances.
Brick lining. From the floor to within 25mm of ceiling. Leave air vents at the bottom to allow airflow in the cavity. If Double-Skin flue-mounted Half Guard is fitted, brickwork may be 1200mm high as long as all vertical joints in top and bottom of brickwork are left out to allow airflow when brickwork is capped.

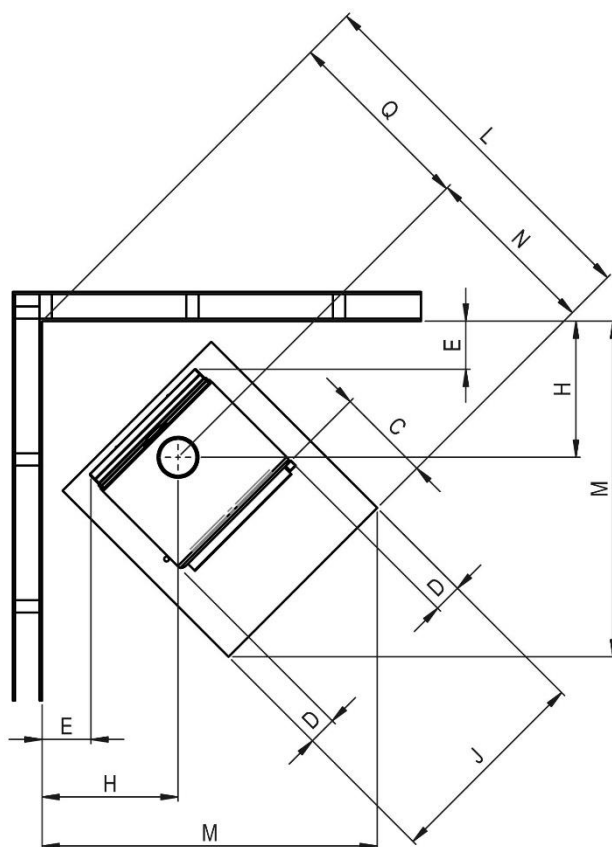
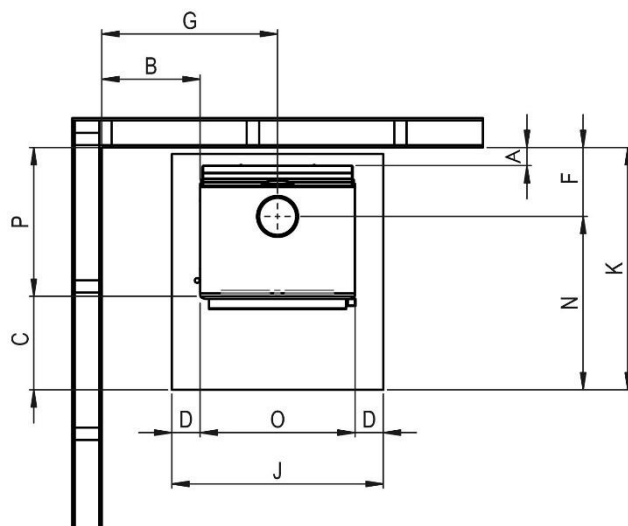
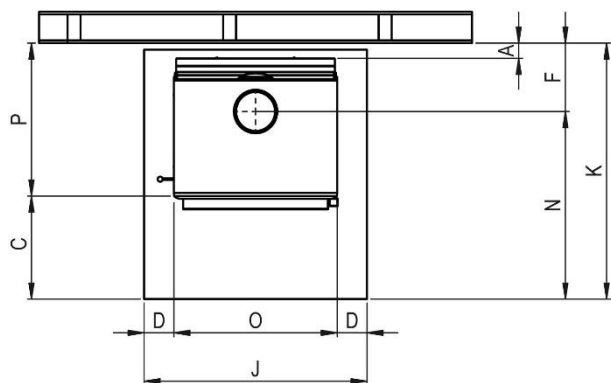


FIG C: MINIMUM FIRE TO COMBUSTIBLE WALL CLEARANCES – ELLERY WOOD BURNER
(WITH DOUBLE-SKIN FLUE-MOUNTED HALF GUARD FITTED). Measurements in millimetres.

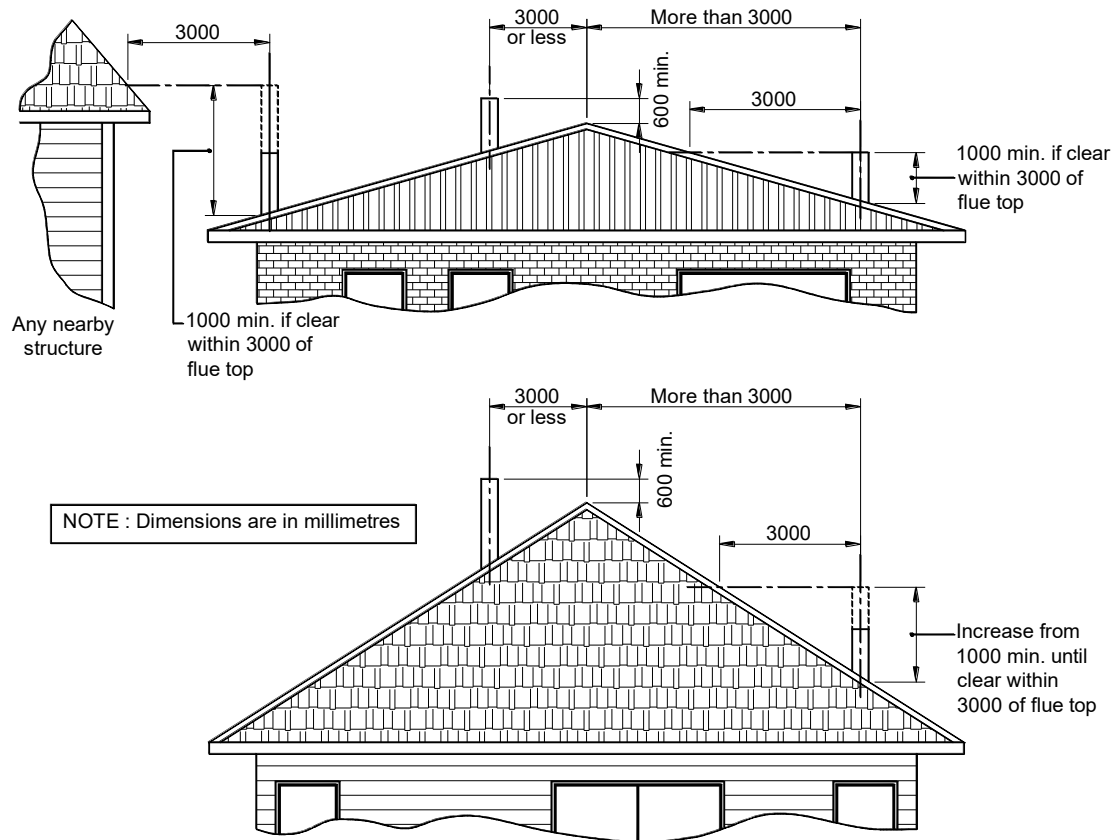
A		B	E	F		G	H	Q	
125	50*	400	175	331	256*	715	535	756	

FIG C: MINIMUM FLOOR PROTECTION MEASUREMENTS – ELLERY WOOD BURNER
(WITH DOUBLE-SKIN FLUE-MOUNTED HALF GUARD FITTED). Measurements in millimetres.

C	D	J	K		L	M	N	O	P	
300	115	860	943	868*	1368	1272	612	630	643	568*

* with Reduced Clearance appliance heat shield fitted

FIG D: FLUE SYSTEM REQUIREMENTS (not to scale)



MINIMUM HEIGHT OF FLUE SYSTEM EXIT

IMPORTANT INFORMATION

- A. THE APPLIANCE AND FLUE SYSTEM SHALL BE INSTALLED IN COMPLIANCE WITH AS/NZS 2918:2001 AND THE APPROPRIATE REQUIREMENTS OF THE RELEVANT BUILDING CODE OR CODES.
- B. APPLIANCES INSTALLED IN ACCORDANCE WITH THIS STANDARD SHALL COMPLY WITH THE REQUIREMENTS OF AS/NZS 4013 WHERE REQUIRED BY THE REGULATORY AUTHORITY I.E. THE APPLIANCE SHALL BE IDENTIFIABLE BY A COMPLIANCE PLATE WITH THE MARKING "TESTED TO AS/NZS 4013"
- C. ANY MODIFICATION OF THE APPLIANCE THAT HAS NOT BEEN APPROVED IN WRITING BY THE TESTING AUTHORITY IS CONSIDERED TO BE IN BREACH OF THE APPROVAL GRANTED FOR COMPLIANCE WITH AS/NZS 4013
- D. 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.
- E. CRACKED AND BROKEN COMPONENTS E.G. GLASS PANELS OR FIRE BRICKS, MAY RENDER THE INSTALLATION UNSAFE.

SEISMIC RESTRAINT

Secure the heater base to the hearth or sub-framing with Dynabolts or similar.

Follow local Council's Specifications.