



A division of Terry Young Ltd, New Zealand

INSTALLATION INSTRUCTIONS for

RUBY WOOD BURNER

• Ultra Low Emission Wood Burner (ULEB)

AUGUST 2024

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.

Also notify your Insurance Company that a solid fuel heater has been installed.

C. Floor Protector –

1. Ash Floor Protector (hearth) must be constructed of non-combustible materials.
2. 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](#)).
3. Thermal resistivity to compressed board of 0.026m².K/W or greater should be achieved.
4. Must extend a minimum of 300mm in front of the appliance door.
5. Appliance must be placed centrally within the minimum hearth width in order to achieve minimum side clearances.

- D.** 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.

E. Manufacturers recommended tested minimum clearances from combustible walls.

Tested to AS/NZS 2918 : 2001 by APPLIED RESEARCH SERVICES LTD	Clearance
Rear Clearance (with DOUBLE-SKIN HALF GUARD fitted)	100mm
Side Clearance (with DOUBLE-SKIN HALF GUARD fitted)	375mm
Corner Clearance (with DOUBLE-SKIN HALF GUARD fitted)	200mm

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

- | | |
|---------------------------------------|----------------------------|
| 1. 4.2m x 150mm stainless steel flue. | 5. 2 x spider brackets |
| 2. 2.4m x 250mm galvanised liner. | 6. 1 x weather cap & cowl. |
| 3. 1 x ceiling tile (430mm x 430mm). | 7. 4 x support angles. |
| 4. 1 x insulation boundary shield. | |

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.

G. RUBY WOODBURNER 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 1200mm length back outer shield.
- 1 x Top bracket.
- 1 x Bottom bracket.

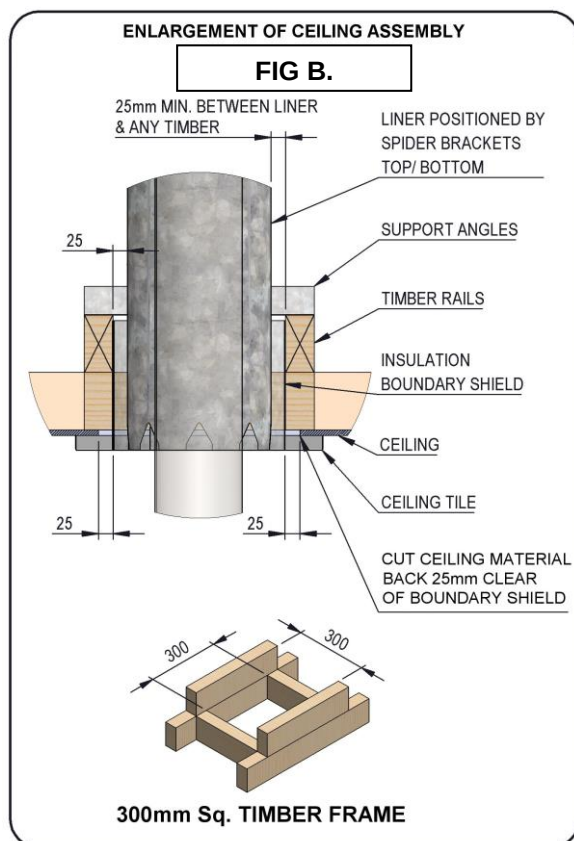
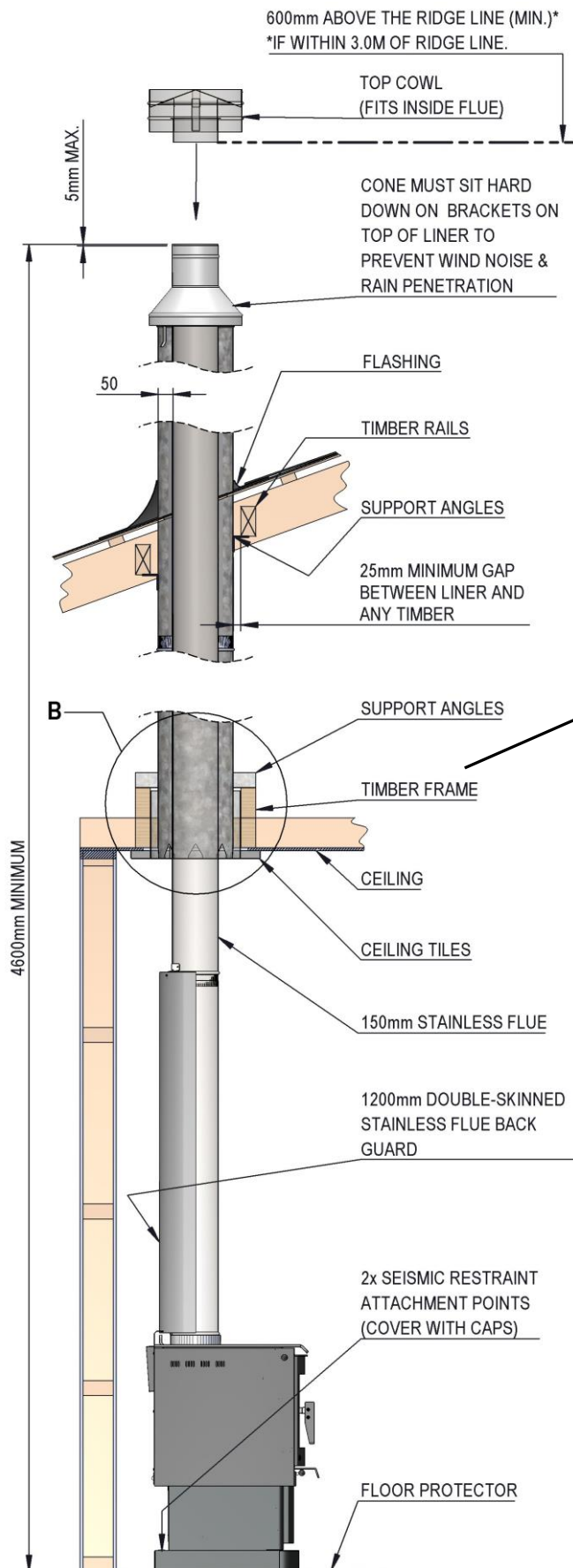
Please Note: The minimum Flue Mounted Guard Height is 1200mm.

RUBY WOODBURNER – TYPICAL FLUE INSTALLATION

(drawings on the following pages not drawn to scale)

FIG A: RUBY WOODBURNER Flue-Mounted Guard (DBL-SKIN HALF GUARD) Installation

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



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.

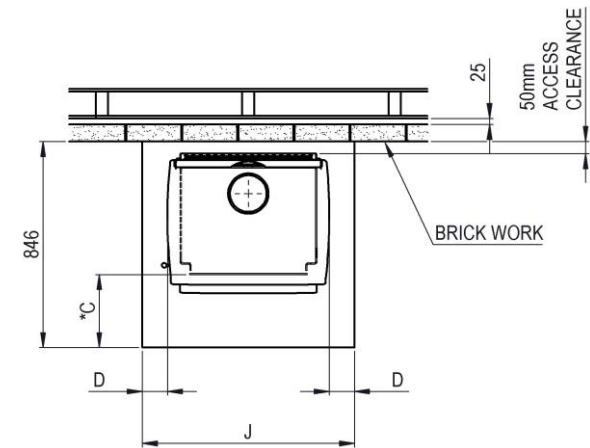
In any case the length of the flue shall not be less than 4.6m from the ash floor protector.

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.

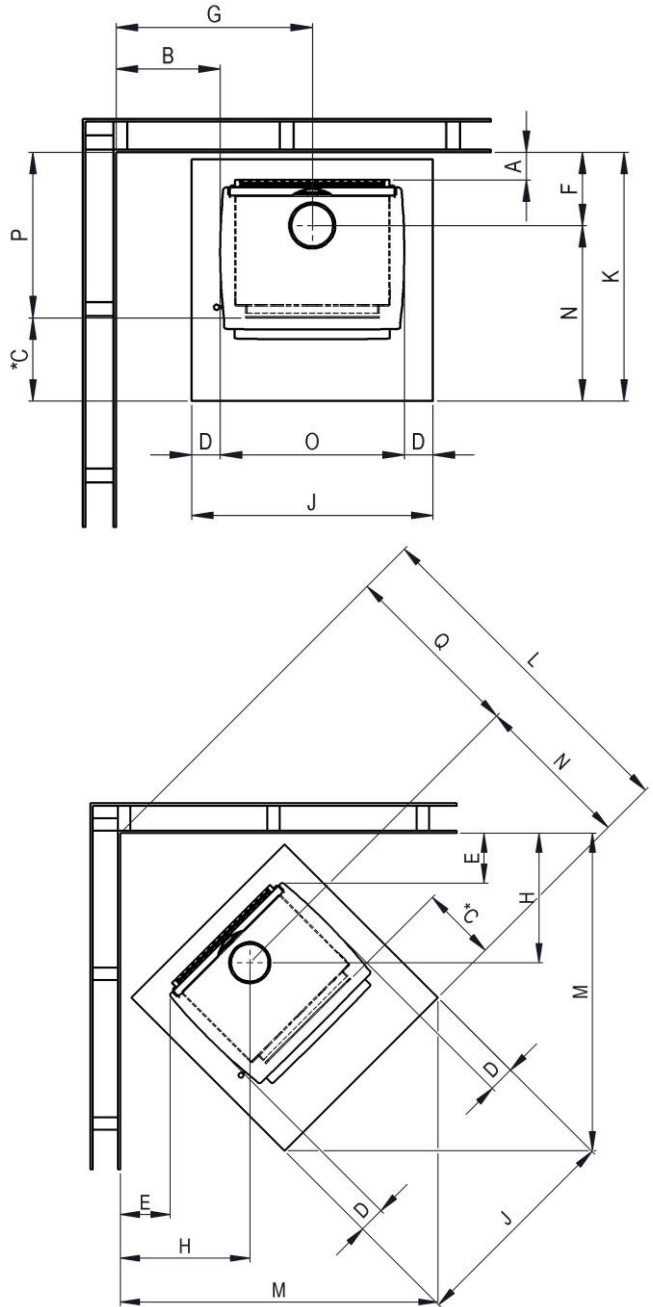
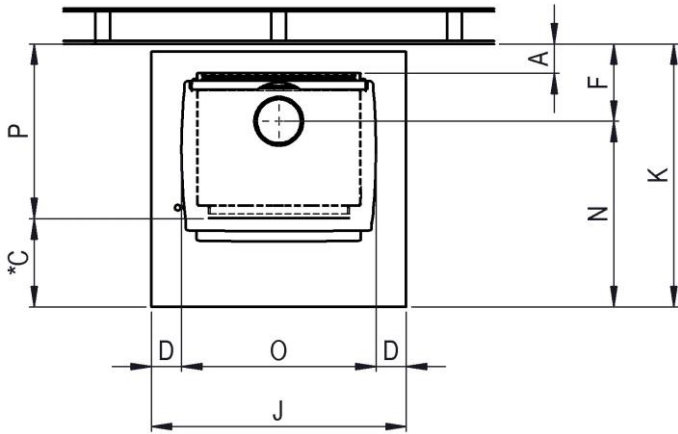
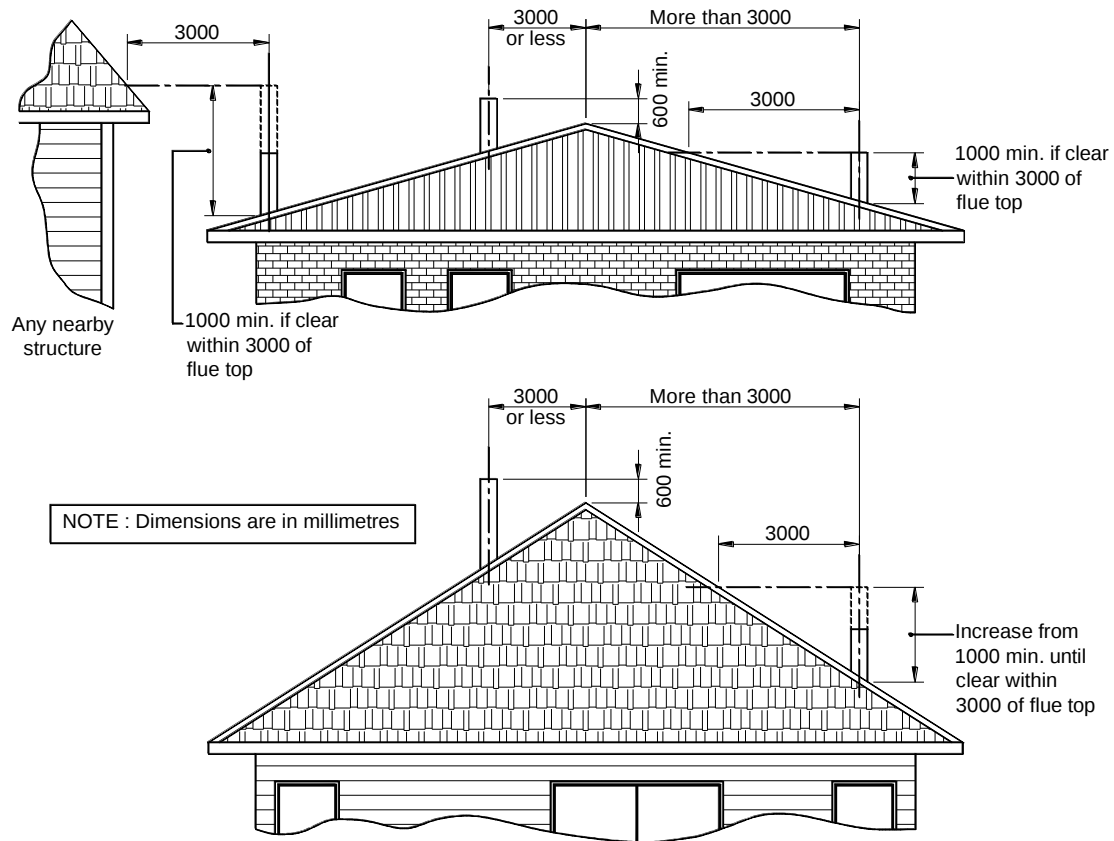


FIG C: MINIMUM FIRE TO COMBUSTABLE WALL CLEARANCES – RUBY WOOD-BURNER (WITH DOUBLE-SKIN FLUE-MOUNTED HALF GUARD FITTED). Measurements in millimetres.								
A	B	E	F	G	H	Q		
100	375	200	265	705	520	735		

FIG C: MINIMUM FLOOR PROTECTION MEASUREMENTS (WITH DOUBLE-SKIN FLUE-MOUNTED HALF GUARD FITTED). Measurements in millimetres.								
C	D	J	K	L	M	N	O	P
300	103	870	895	1365	1275	630	663	595

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.