

L850B Montrose NZ Wood Fireplace

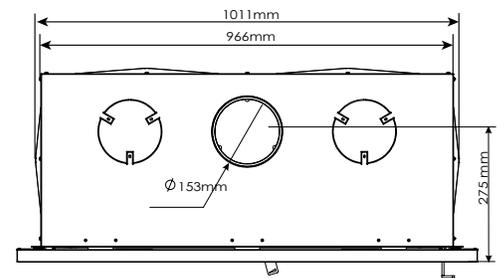
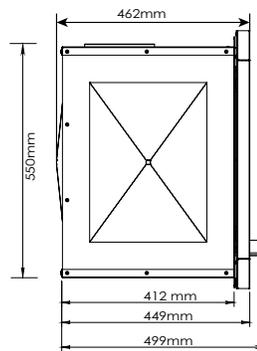
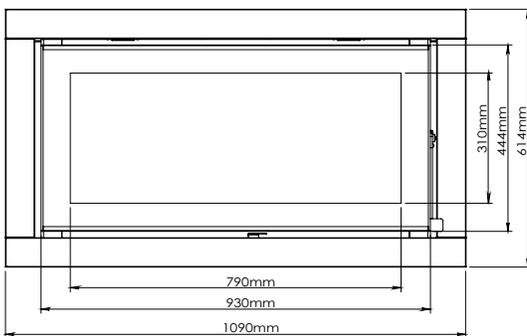
| L850B-1 NZ | |
|--------------------------|-----------------|
| Flue Size | 152 mm |
| Efficiency | 68% |
| Average Heat Output (kW) | 11.1 kW |
| Emissions | 0.6 g/kg |
| Heating Capacity | 100 - 200 sq.m* |

*Varies depending on home floor plan, house layout, heat loss of the house and quality/moisture content of wood. Also depending on the number of fans fitted and ducting kits.

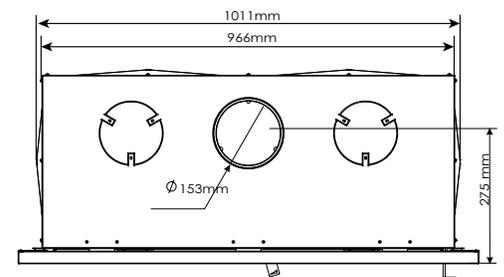
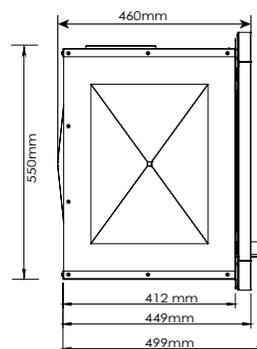
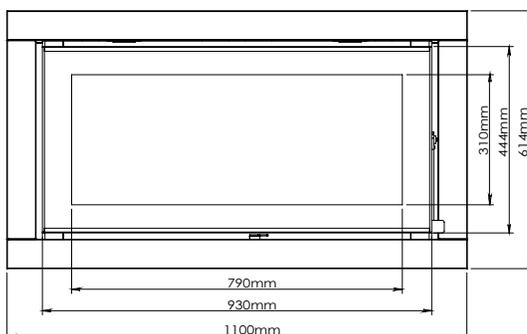


Unit Dimensions

1. Standard Clean Front Dimensions

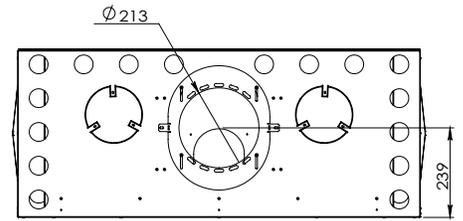
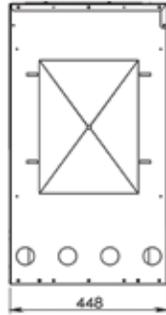
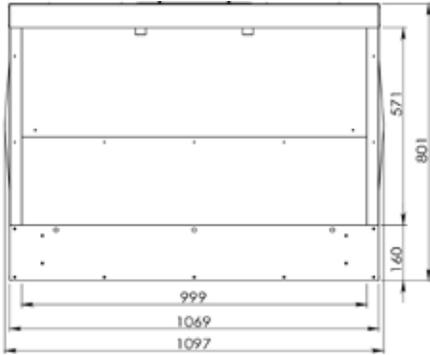


2. Optional Faceplate Dimensions

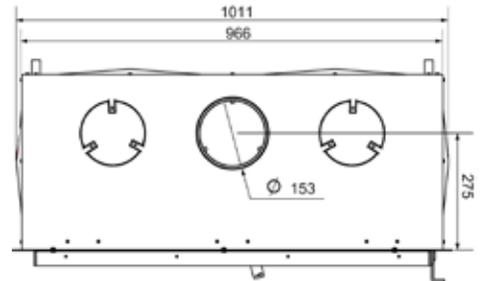
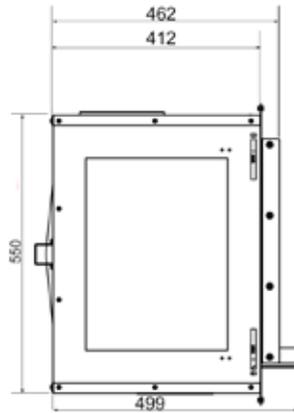
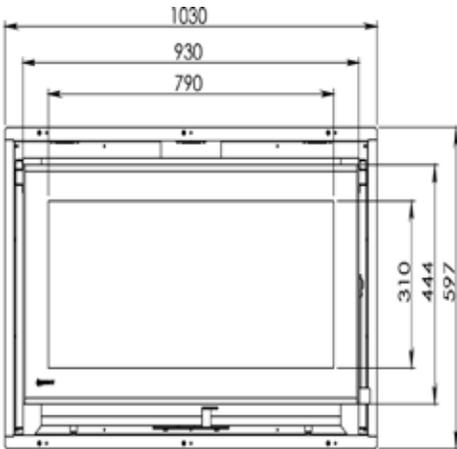


Unit Dimensions

3. Reduced Clearance Box Dimensions



4. Standard Firebox Dimension



Unit Dimensions

Dimensions

The outside dimensions of the Montrose L850 including the Reduced Clearance Box is as follows:

Width 1097mm

Depth = 448mm

Height = 801mm

Height of optional Base Framing Kit = 300mm

Note: Base is non-combustible and needs assembly

COMBUSTIBLE CAVITY REQUIREMENTS

Cavity Depth = 698mm - 720mm

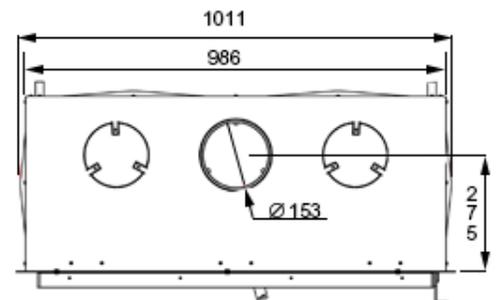
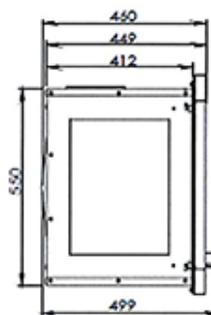
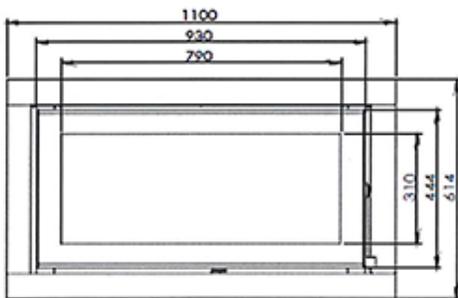
Note: Cavity depth is determined by the position of nailing strips and thickness of non-combustible wall finish. Rear clearance must be 250mm to combustibles.

CAVITY WIDTH = 1597MM TO COMBUSTIBLES.

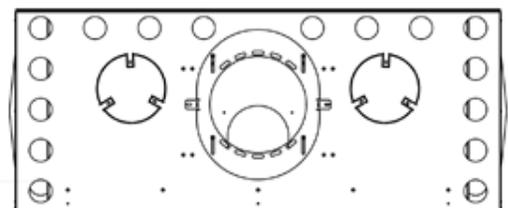
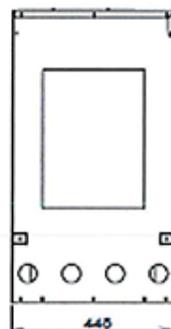
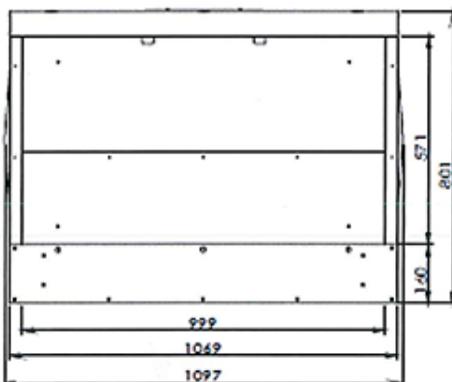
Height of reduced clearance box off the ground should be a minimum of 300mm and supported by a non-combustible stand able to support 265kg.

No Ceiling within the cavity.

Optional Face Plate dimensions



Zero clearance box dimensions



Wood Fireplace Specifics and Minimum Clearances to Combustibles

Framing Guide

Unit cavity to be open into the roof cavity

Wall Cladding

Non-Combustible material such as 9mm cement sheeting must be used on front wall of reduced enclosure

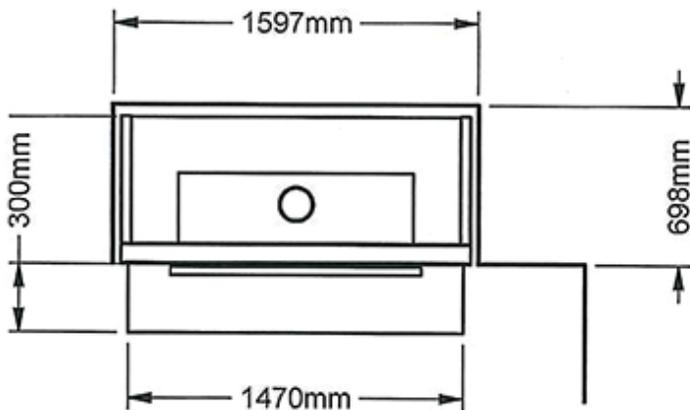
Hearth Requirements

Hearth needs to be 6mm thick, 1470mm wide and 995mm deep to allow for 300mm leading edge. We do recommend that your non-combustible hearth extends 900mm in front of the unit. This allows the floor to be protected when the door is fully open in case of ember drop.

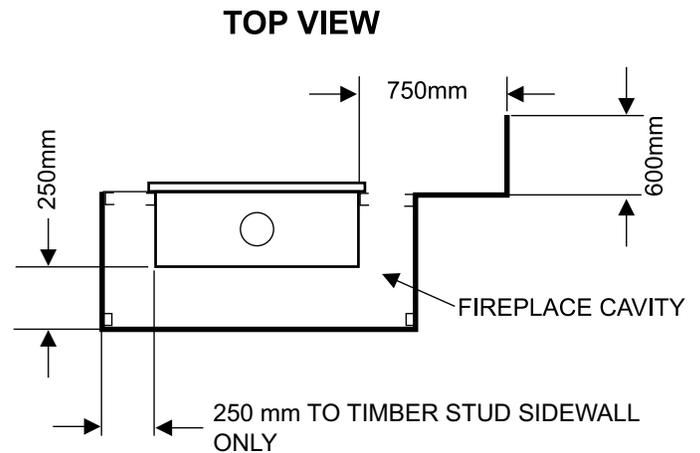
Floor Protection

The floor protector must be minimum of 300mm deep in front of the appliance base. However it is highly recommended due to the width of the appliance door that this dimension is increased of ember or hot ash spillage

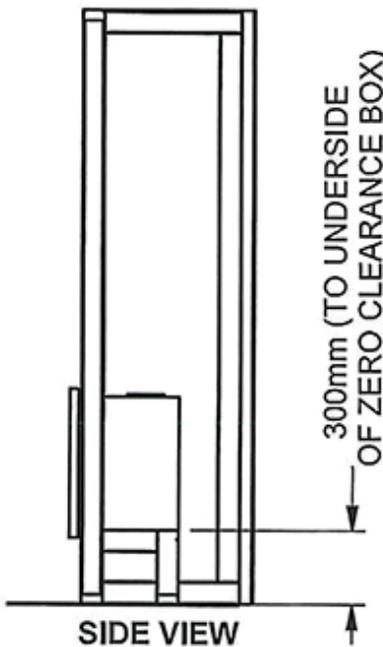
The appliance must be installed on a non-combustible stand 300mm above the hearth.



CAVITY SIZE AND HEARTH PAD

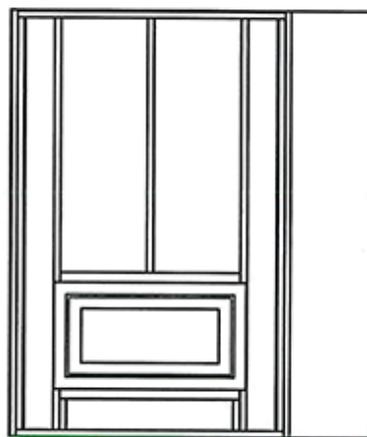


CLEARANCE TO COMBUSTIBLE

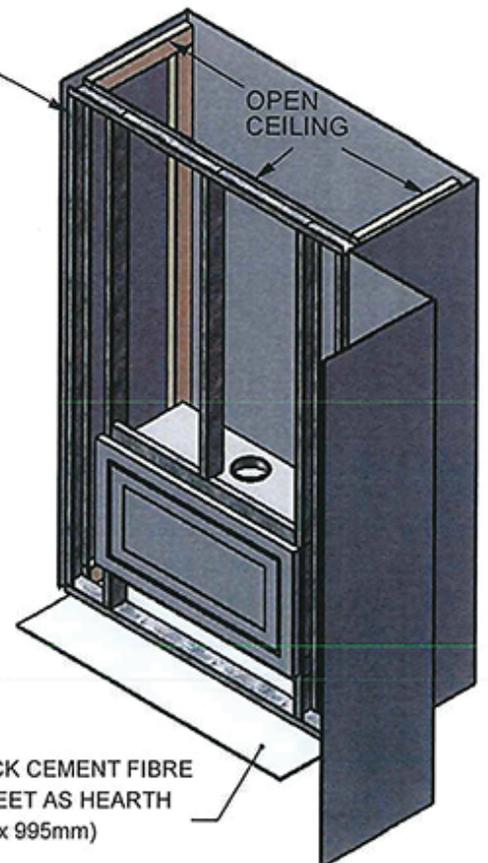


SIDE VIEW

NON COMBUSTIBLE FACING MATERIAL & NON COMBUSTIBLE FRAME MUST BE USED ON FRONT WALL OF ZERO CLEARANCE ENCLOSURE TO THE FULL HEIGHT OF THE CEILING

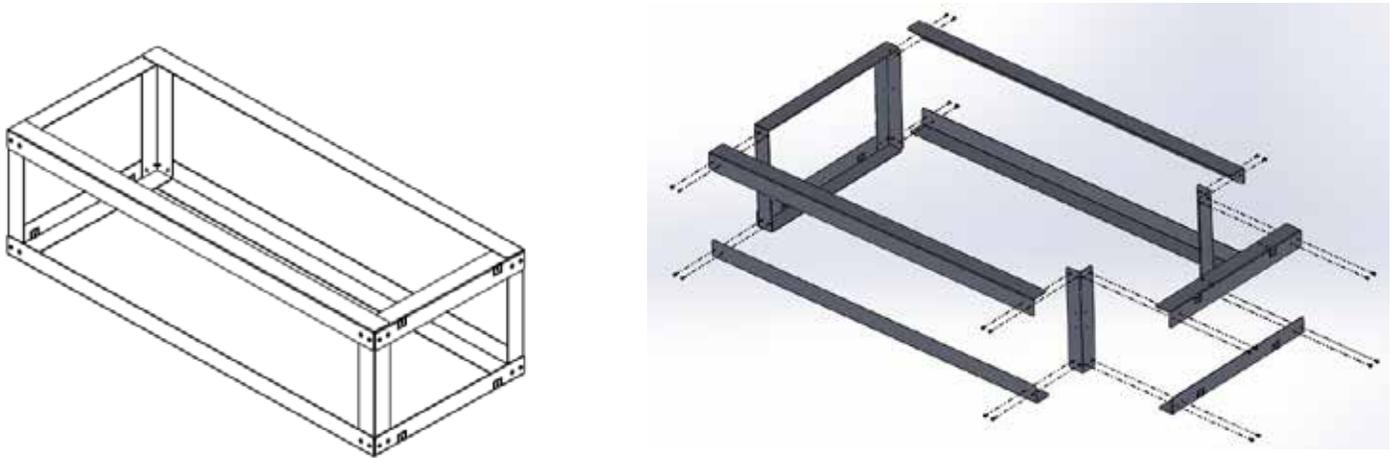
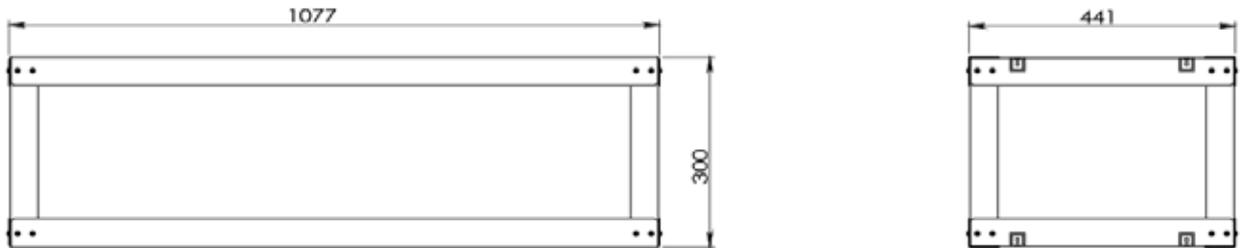


FRONT VIEW



6mm THICK CEMENT FIBRE SHEET AS HEARTH (1470mm x 995mm)

Optional Base Frame

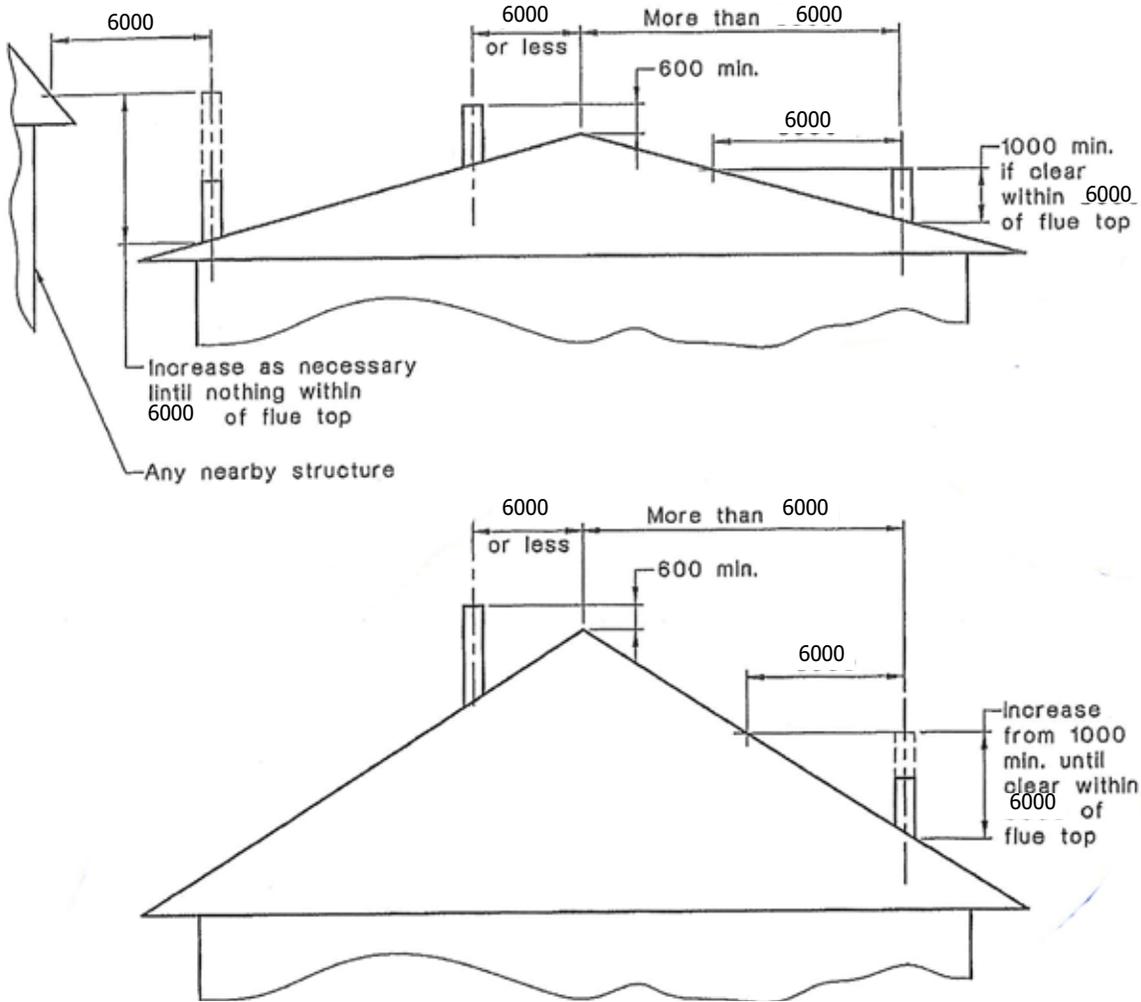


CONSTRUCTING YOUR OWN BASE FRAME

WHEN BUILDING YOUR OWN BASE FRAME OR PEDESTAL BASE PLEASE ENSURE THE FOLLOWING CONDITIONS ARE MET:

1. MINIMUM HEIGHT OF THE BASE FRAME IS 300MM FROM THE FLOOR PROTECTOR / HEARTH TO THE UNDERSIDE OF THE REDUCED CLEARANCE BOX. IF BASE FRAME DOES NOT SIT ON THE SAME LEVEL OF THE FINISHED FLOOR, THEN THE FRAME NEEDS TO BE MADE TALLER TO ENSURE THE 300MM CLEARANCE IS MET. (SEE PAGE 10).
2. ENSURE THE BASE IS HOLLOW REGARDLESS OF USING OPTIONAL OUTSIDE AIR KIT OR NOT.
3. ENSURE THE BASE IS CONSTRUCTED OF NON-COMBUSTIBLE MATERIALS
4. ENSURE THE BASE CAN WITHSTAND THE WEIGHT OF AT LEAST 265KG PLUS.
5. ENSURE THE FLOOR BENEATH THE BASE CAN WITHSTAND AT LEAST 265KG PLUS.

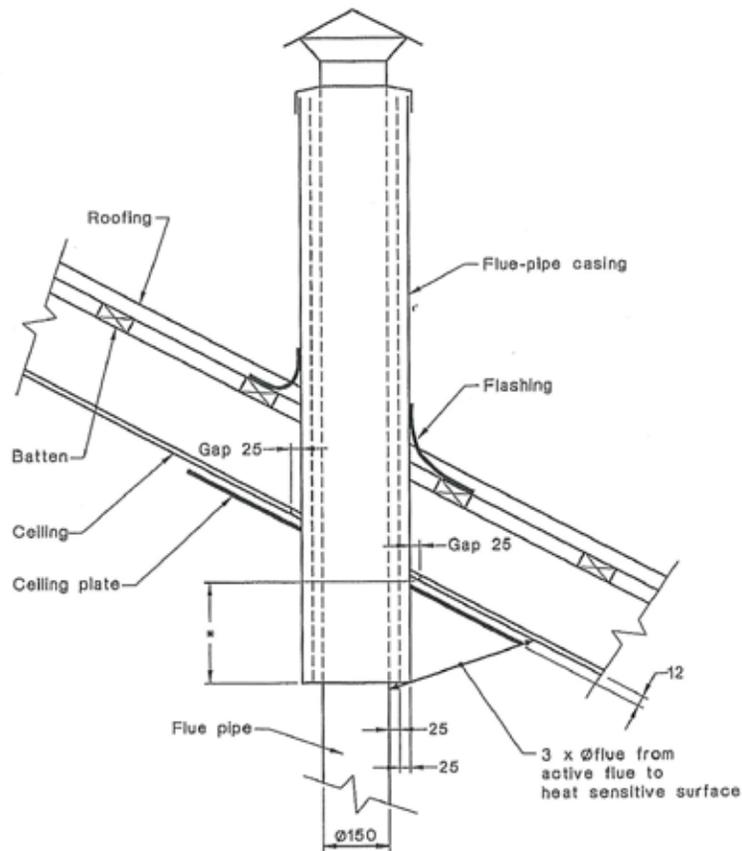
Flue Requirements



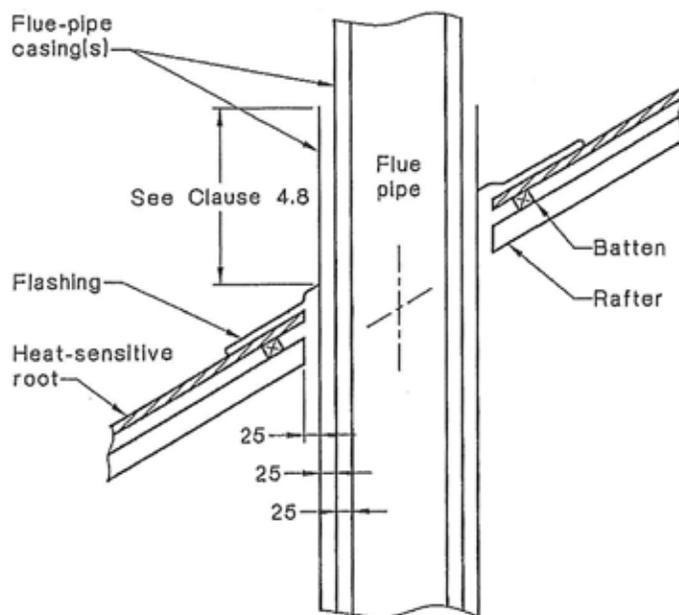
THE FLUE PIPE SHALL EXTEND NOT LESS THAN 4.6 M ABOVE THE TOP OF THE FLOOR PROTECTOR.

NOTE: INSTALLATION MUST BE CARRIED OUT BY A LICENSED INSTALLER IN ACCORDANCE WITH AS/NZS 2918:2001

Flue Requirements



Typical Example of a Sloped Ceiling Penetration



Example of Roof Penetration