

### SPECIFICATIONS

<b>Flue Length (minimum)</b>	4.5m - from the top of the fireplace
<b>Compliance</b>	Tested to <i>AS/NZS2918 Appendix F</i>
<b>Flue Type</b>	Natural Draught - Direct Vent
<b>Flue Size</b>	150mm Exhaust/200mm Intake/250mm outer
<b>Flue Shield</b>	Not required

### FLUE OPTIONS

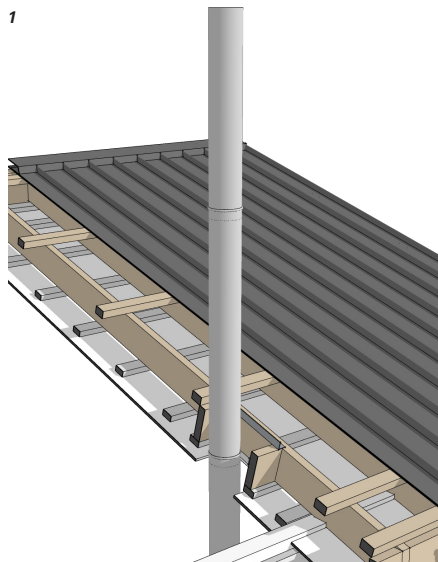
Escea Indoor Wood fires have two standard flue options, a standard flue kit for the TFS650 and TFS1000, a standard flue kit for the TC950, and a supplementary Designer Flue Kit in black or stainless steel.

The **TC950 Standard Wood Fire Flue Kit** comprises a triple skin flue system extending from the Fireplace and Zero Clearance Kit to the final cowl location. The kit comprises an exhaust flue, intake flue and additional flue liner (150/200/250mm Ø). Spacers and spider brackets are supplied to enforce air flow gaps between the flues and flue liners.

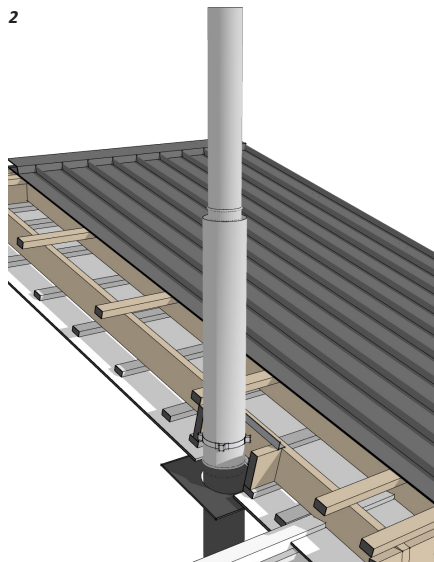
**TFS650/TFS1000 Standard Wood Fire Flue Kit** comprises a twin skin flue system from the fireplace to the ceiling above. An additional 250mm Ø liner extends from the ceiling to the flue cowl. The visible 200mm flue of the TFS Flue Kit is finished in black.

All standard indoor wood fire flue kits can be encased in the **Escea Designer Wood Fire Flue**, a cylindrical shroud with perforated elements to provide a sleek roof line aesthetic. The Escea Designer Wood Fire Flue Kit is available in Stainless steel or Black finishes.

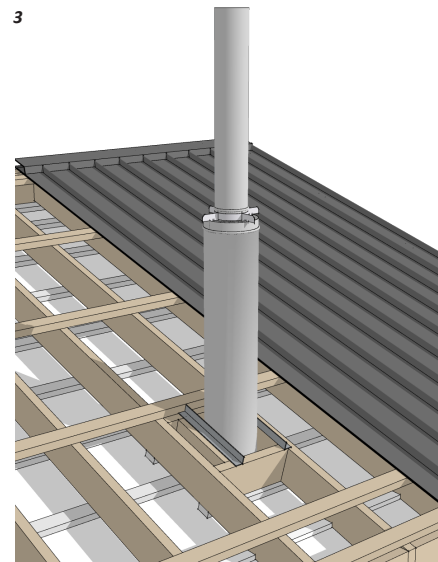
### INSTALLATION



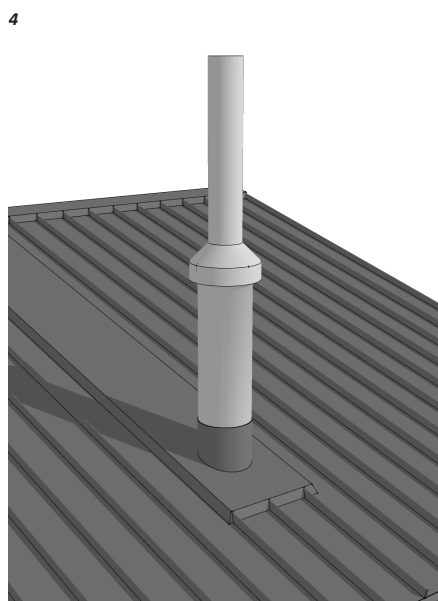
150mm Ø exhaust flue extends from the fireplace to the final cowl height. Spacer brackets are installed at regular intervals. Each length is installed crimp down and mechanically fixed.



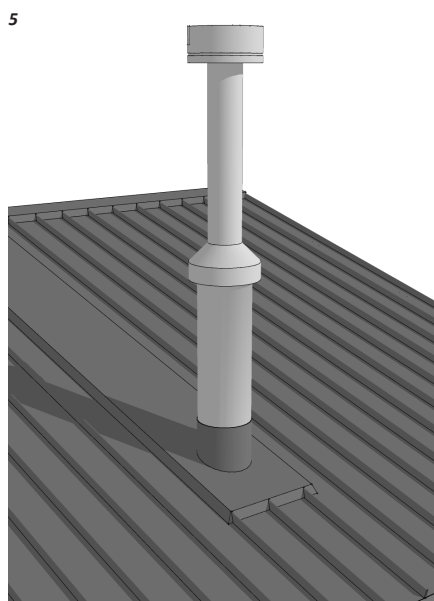
200mm Ø intake flue is fitted over the 150mm Ø exhaust flue from the fireplace to 915mm below the final 150mm Ø flue length. Ceiling plate should be fitted as this point.



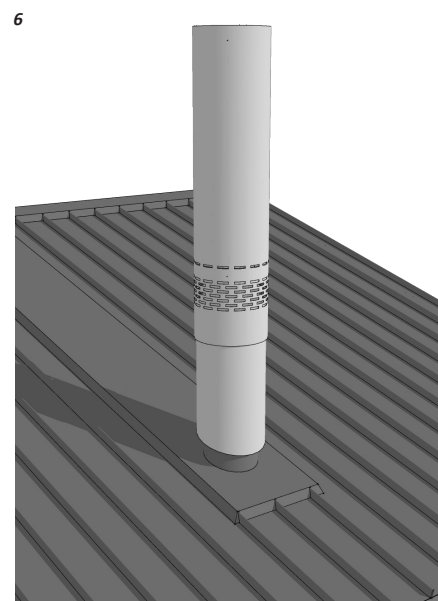
250mm Ø flue liner begins at the ceiling line for the TFS650/1000, and at the Zero Clearance Kit for the TC950. This fits over the 200mm Ø flue and extends to 915mm below the final 150mm Ø flue length. Flue spider is installed to the top of the intake and liner.



Flue flashings can be sealed to the 250mm Ø flue liner. The cone is sleeved over the 150mm Ø exhaust flue and sits on the spider bracket.



Anti-down draught cowl is fitted onto the 150mm Ø exhaust flue.



If using the designer flue shroud this is fitted over the standard flue kits, with the bottom shroud trimmed to within 100mm from the roof cladding.

## FLUE HEIGHT

The flue height is a combination of the minimum flue length and the requirements to meet *AS/NZS2918 External Clearances*. The minimum flue length is **4.5m** from the top of the fireplace to the flue cowl and must have a minimum of 1.4m above the roof surface.

## EXTERNAL CLEARANCES

The external clearance requirements of *AS/NZS2918* are to ensure that the flue cow is not obstructed from any adjacent buildings or structures. Refer to the Installation Manual for all requisite clearances.

## FLUE CLEARANCES

Maintain a 25mm gap from the outer flue liner (250mm Ø) to any combustible material as the flue passes through a roof, a floor, a chimney chase, or the exterior of the building.

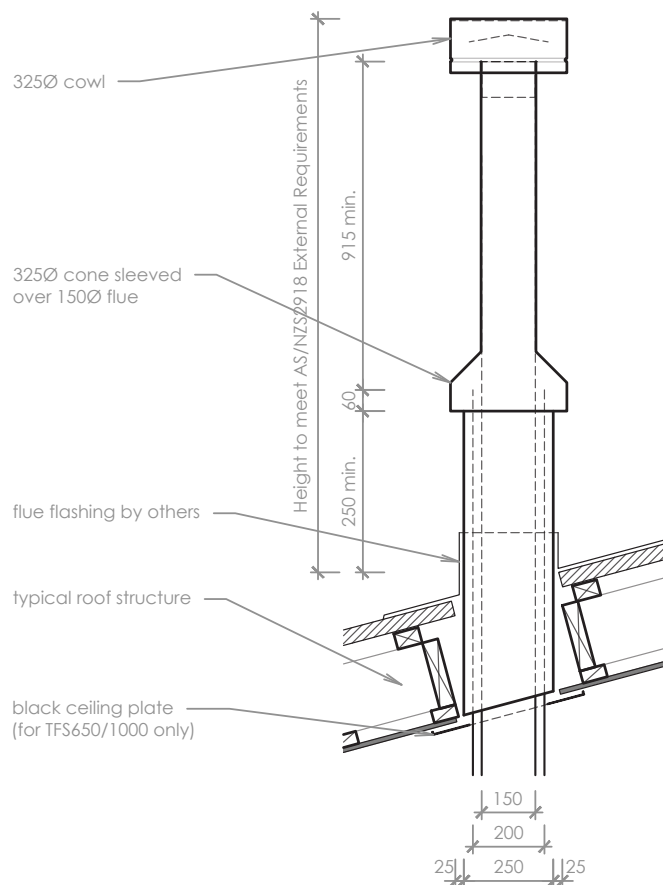
## FLUE FLASHING

Flue flashing design and installation is the responsibility of the specifier or the installer. Choose a detail or component that will meet all relevant Building Code requirements and manufactured from a heat resistant material.

## FLUE RESTRAINT

The outer flue or shroud should be restrained by way of compatible brackets connected to the outer casing and an adjacent roof or wall. Spacing of these brackets is at **3m** intervals or 2m when the flue is installed up to 45° off vertical.

## STANDARD FLUE DETAIL



## FLOOR AND WALL PENETRATIONS

Where the flue penetrates a ceiling, floor above the fireplace, or a wall, this must be configured with a triple skin ceiling penetration kit or wall penetration kit. Triple skin ceiling/floor penetration kits can be supplied by Escea.

## BENDS OR OFFSETS

45° offsets area available as double skin or triple skin variants depending on the model selected and the location of the offset within the flue pathway. Flue offsets can reduce draught within the flue pathway; it is recommended to avoid where possible or allow for an extension of the flue length.

## FLUE COMPONENTS

<b>903635</b>	Wood Fire Inbuilt Flue Kit Standard 4.5m
<b>903636</b>	Wood Fire Freestanding Flue Kit Standard 4.5m
<b>903637</b>	Wood Fire Designer Flue Shroud Kit 2.4m - Stainless Steel
<b>903638</b>	Wood Fire Designer Flue Shroud Kit 2.4m - Black
<b>903641</b>	Wood Fire Flue Extension Kit 1.2m - Double Skin
<b>903639</b>	Wood Fire Flue Extension Kit 1.2m - Triple Skin
<b>903643</b>	Wood Fire Floor Penetration Kit
<b>903642</b>	Wood Fire 45° Offset Bend Kit - Double Skin
<b>903640</b>	Wood Fire 45° Offset Bend Kit - Triple Skin

## DESIGNER FLUE DETAIL

