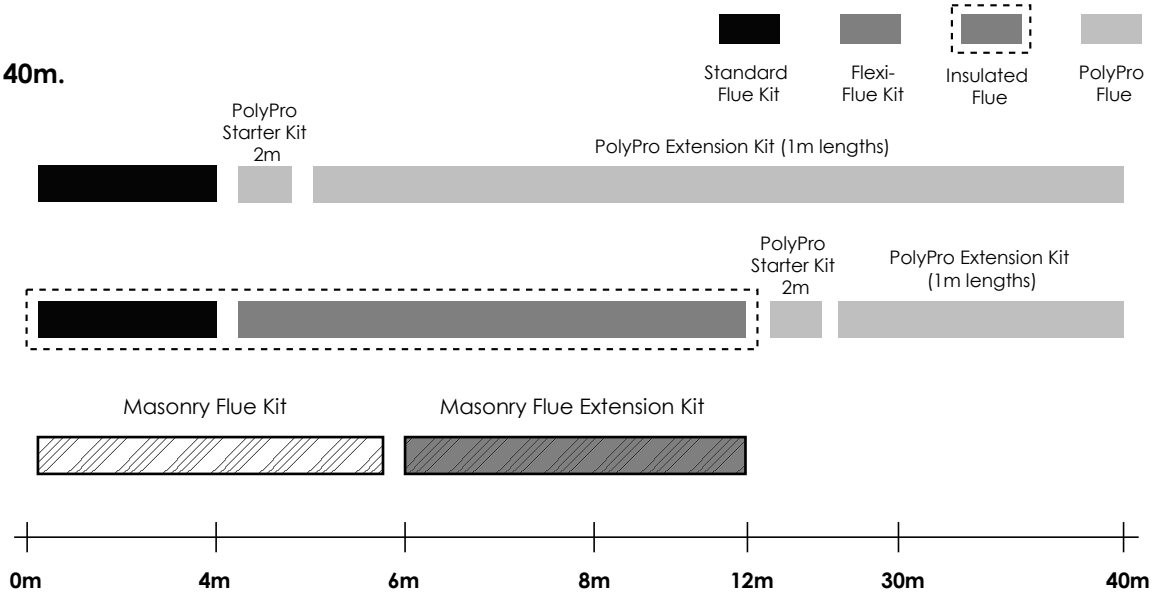
DF Series Flue Selection Guide

FIRE BY escea.

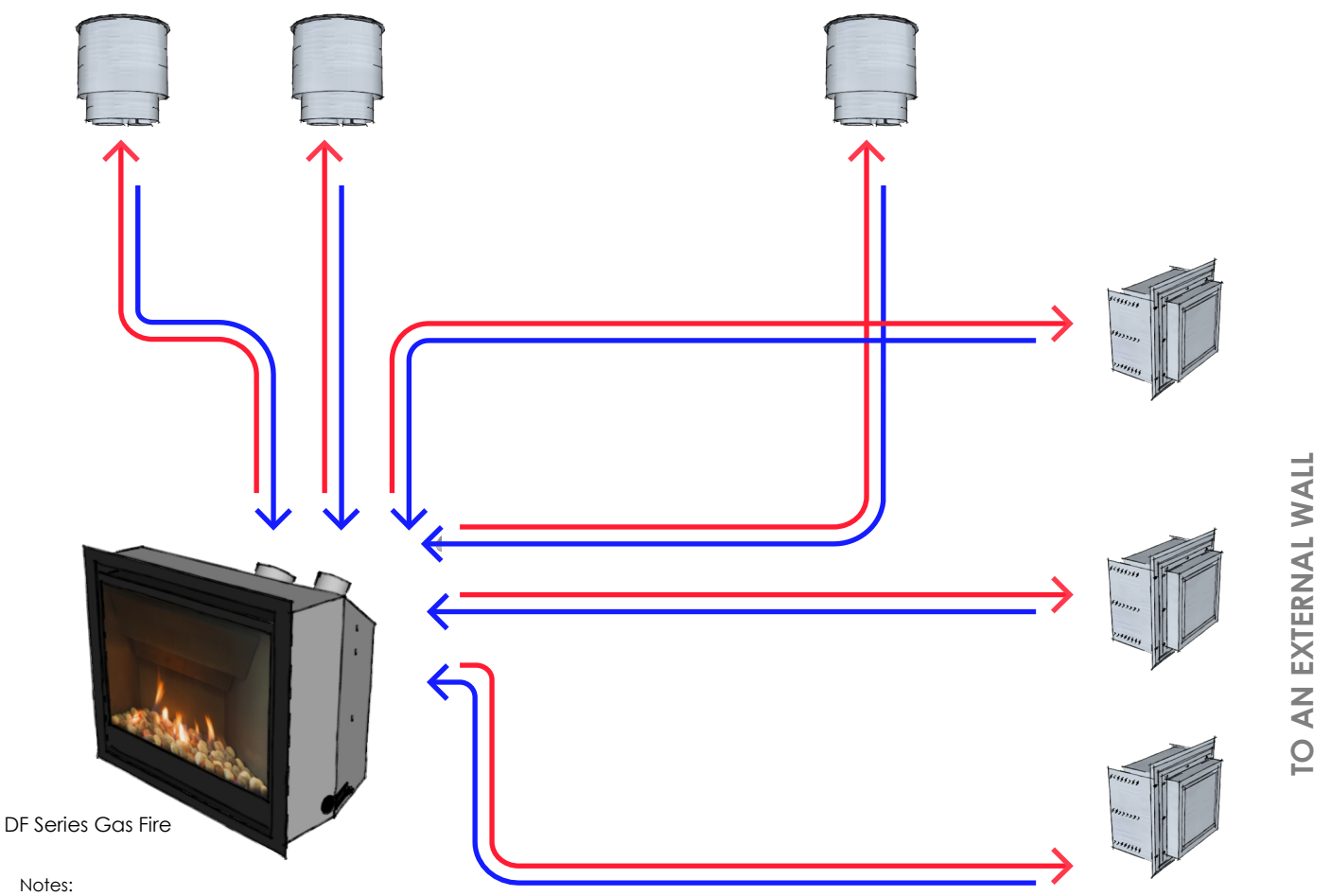
The **flue pathway** will be from the fire to the powerflue terminal, and **can be vertical or horizontal, or a combination of both.** This may be through a cavity, a floor, a mid-floor, a roof, to the side of the fire, a purpose built chimney cavity or combination of these options. The total flue run may be made of Standard Flue Kits, Masonry Flue Kits, Flexi-Flue Extension Kits and PolyPro flue extensions.

When selecting the flue system for a DF Series Fire follow the procedure over the page.

Maximum Flue Run = 40m.



Flue Pathway Options:



Notes:

- Total flue bends per developed flue length **= 10** (maximum x4 in any PolyPro Length).
- A flue run below the fire must not exceed 1500mm vertically downwards.
- Where a Flexible Flue Extension Kit is used beyond the 4m Standard Flue Kit, insulation may be required. Insulated flue requirements: Minimum R-Value **= 1.45** and service temperature to be **230 Deg C**.
- Masonry Flue must be a fully vertical flue pathway only and in a sealed timber framed or masonry chimney.
- Where PolyPro Extended Flue components are used, an exhaust condensate trap is required.
- In all instances the flue fan (located in the flue terminal) must be accessible for servicing.

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1 Fireplace Selection

Select the Escea D-Series Gas Fire that meets your design and space requirements. Contact the Escea Architectural Advisory Team for assistance with any fireplace or flue specification - ***aa@escea.com***

2 Flue Pathway

Using the **example building below** as a guide, choose the location of the flue terminal* (roof or wall cowl) and establish the expected flue pathway in your building. The **flue pathway** will be from the fire to the powerflue terminal, and **can be vertical or horizontal, or a combination of both.** This may be through a cavity, a floor, a mid-floor, a roof, to the side of the fire or any combination of these options.

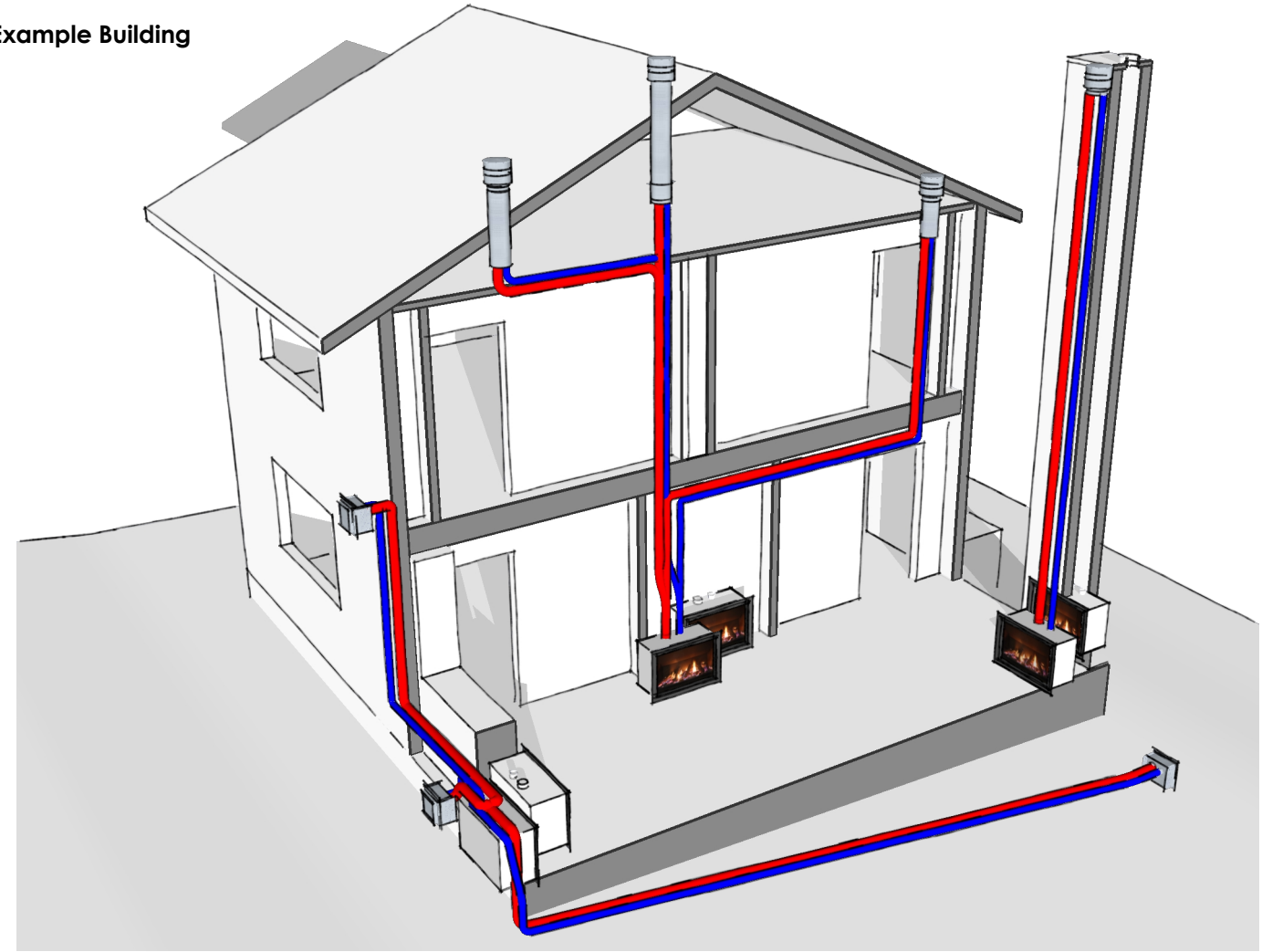
3 Flue Length

Calculate the total flue length that the flue pipes are likely to follow in your building. Include bends and offsets in your total length. Allow for some installation tolerance by adding 10% to the total flue run calculation.

4 Flue System Selection

With your fire selected, flue terminal located, flue pathway and length established, refer to the accompanying **Flue Selection Guide** (DS, DF, DL or DX Series) to determine the flue system options to achieve the complete flue run from fire to the flue terminal. This may require multiple flue kits.

Example Building



** The installation and final location of the flue terminal must comply with the relevant **Escea Installation Instructions** and **AS/NZS5601 Gas Installations**. These provide guidance for clearances from the flue terminal to other elements of the building. Non-compliance to these clearances may decrease performance of the fire or flue, and/or pose a safety risk to the building users.*