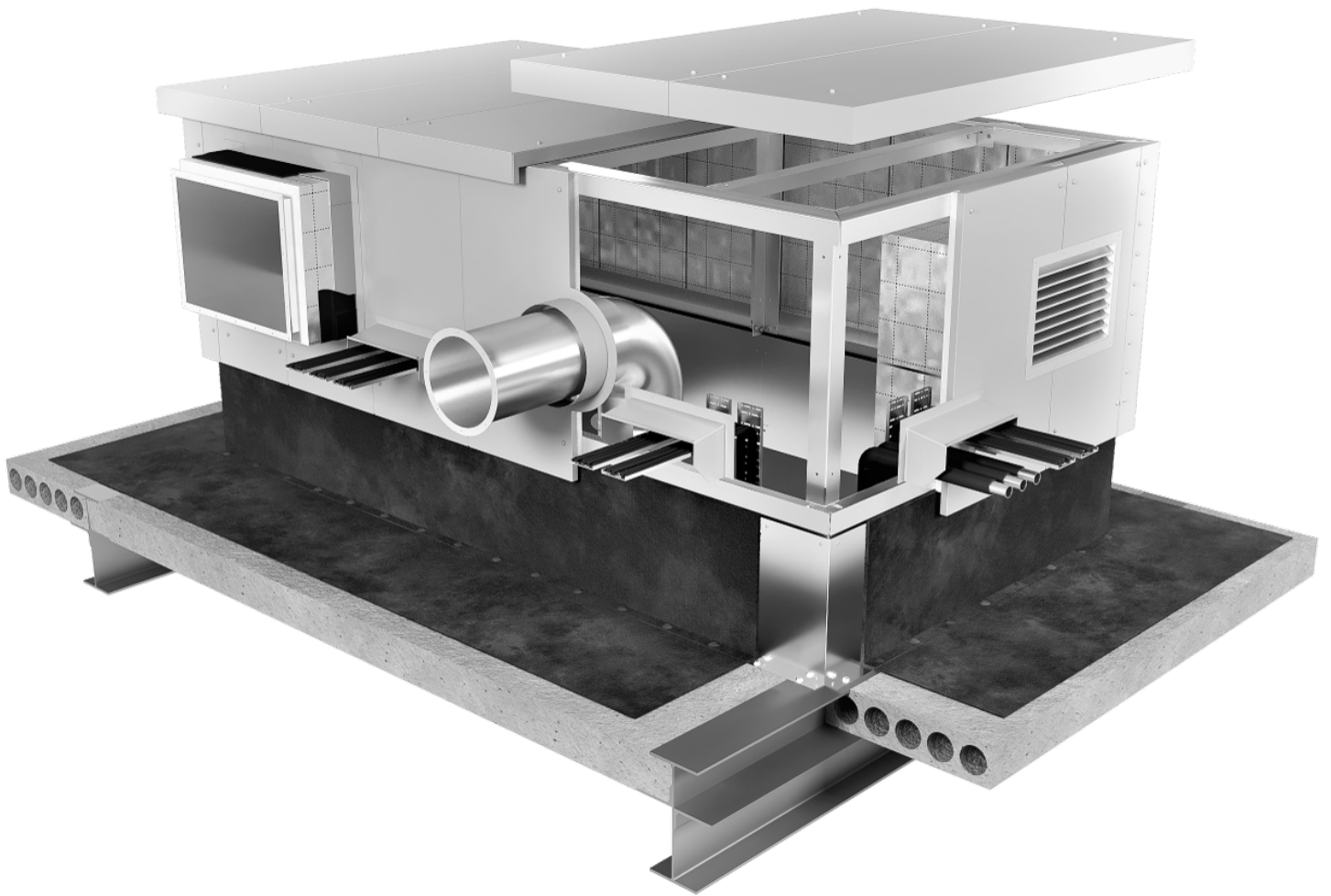
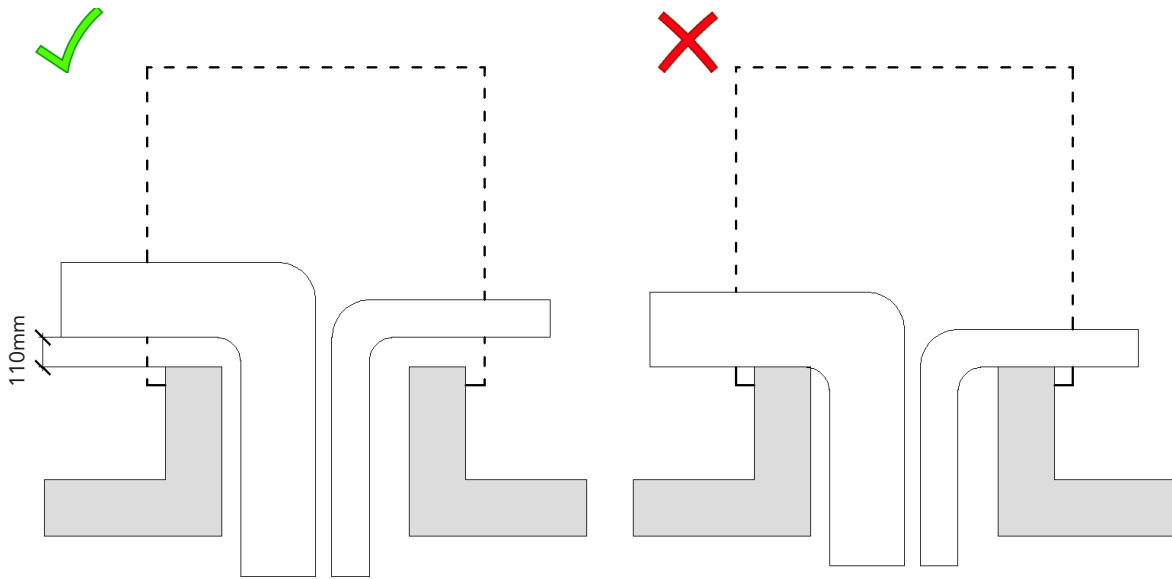


ROOFBOX®
M&E guidance

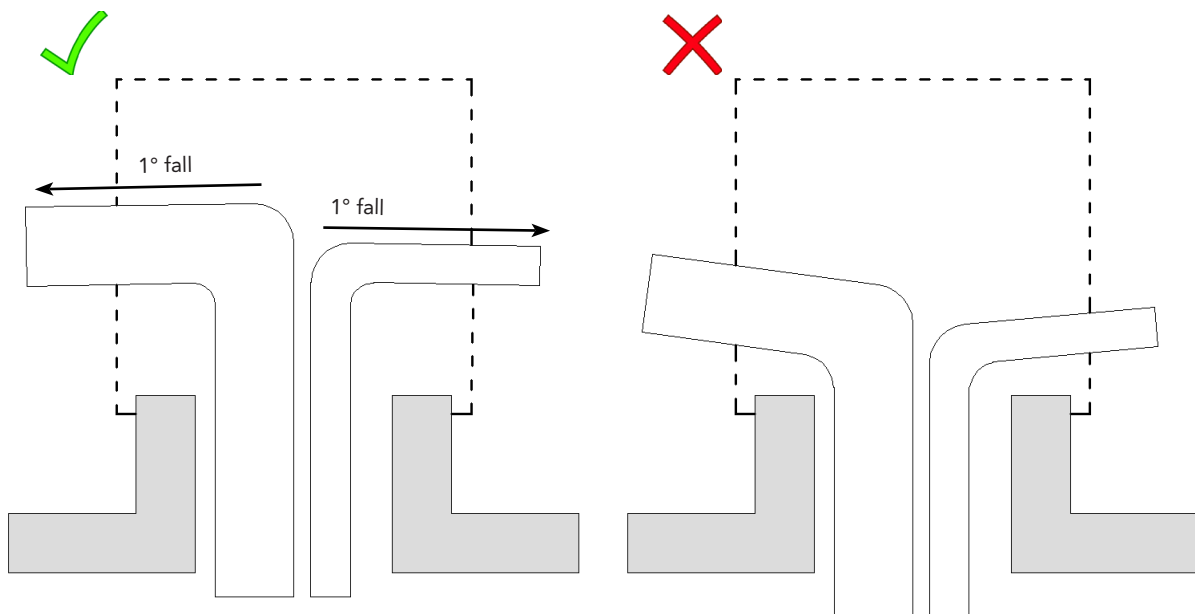


Clearance above kerbs
applies to modular cabinets **only**



All services should be a minimum of 110mm above the top of the kerb including insulation.

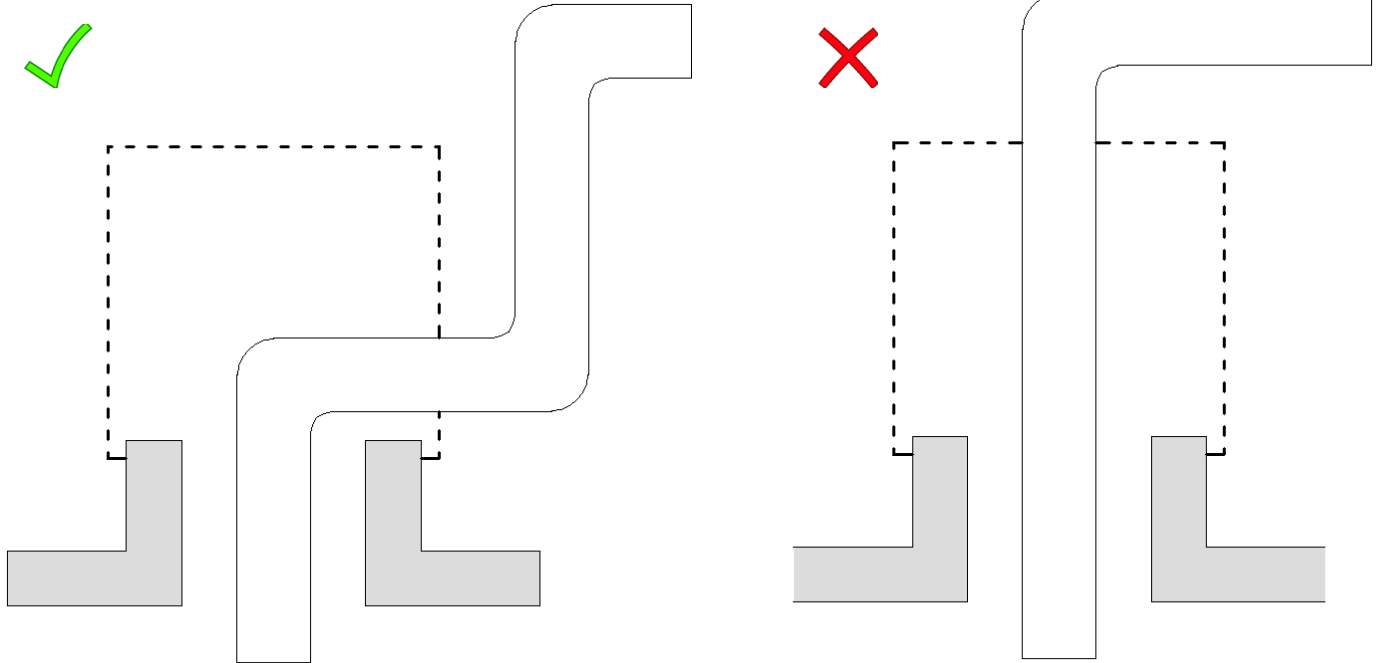
1° fall to service penetrations
applies to standard and modular cabinets



All service penetrations should have a minimum 1° fall as they pass through the Roofbox cabinet.

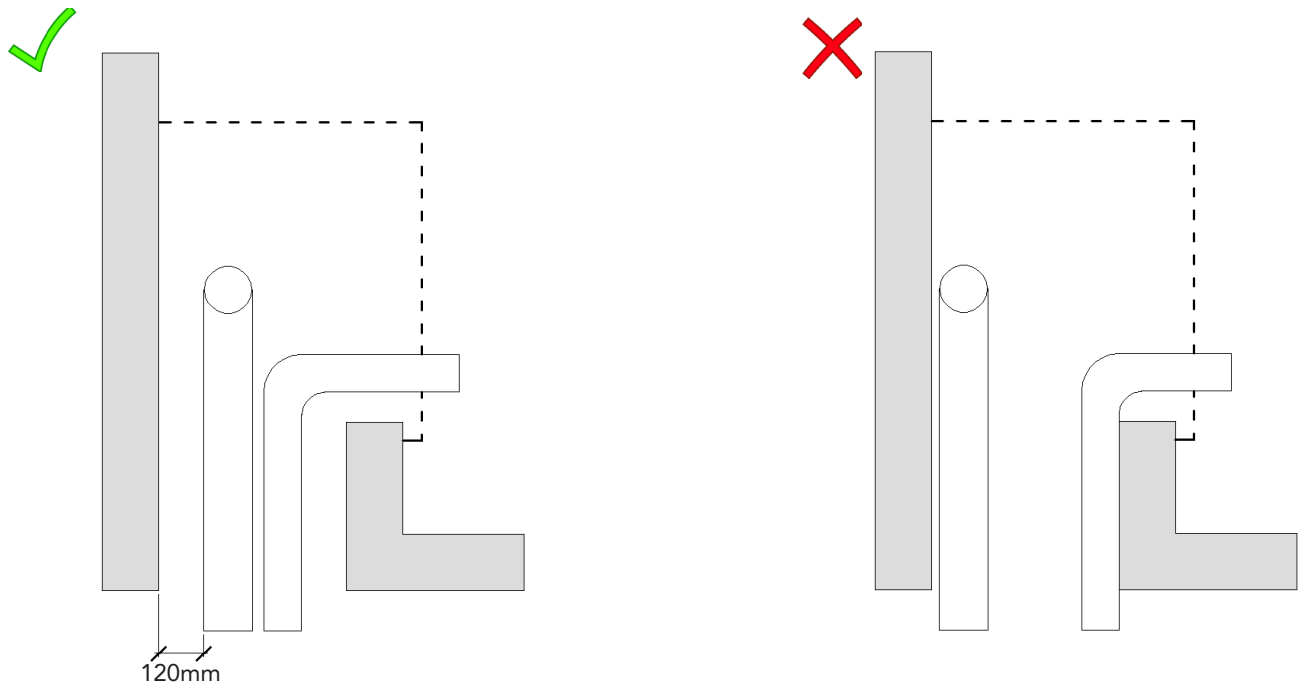
Horizontal penetrations

applies to standard and modular cabinets



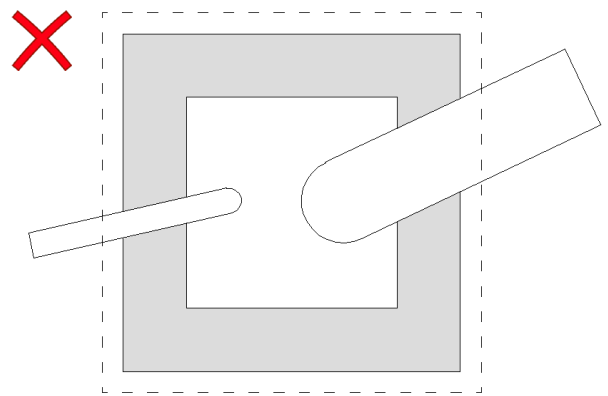
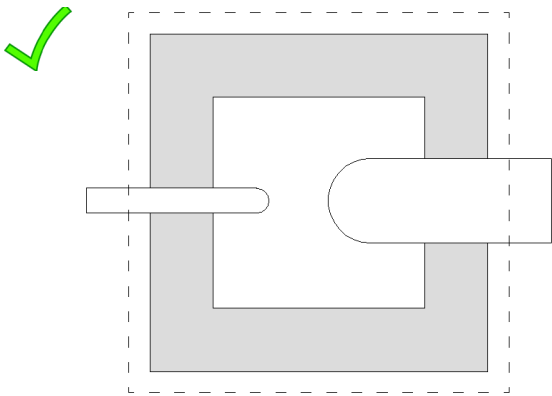
All service penetrations must come through the side of the Roofbox cabinet to be included in the warranty.

Clearance from parapet walls



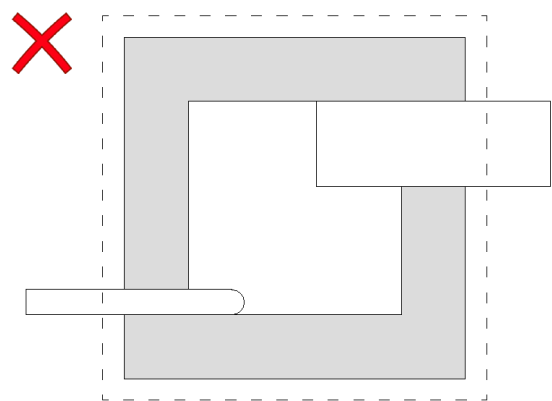
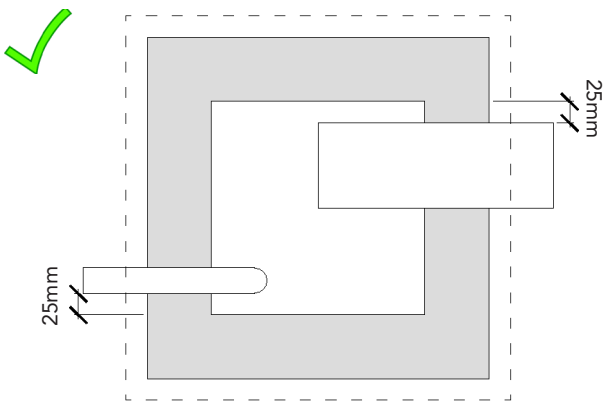
A minimum of 120mm must be maintained from a parapet wall to the duct including insulation.

Perpendicular service penetrations
applies to standard and modular cabinets



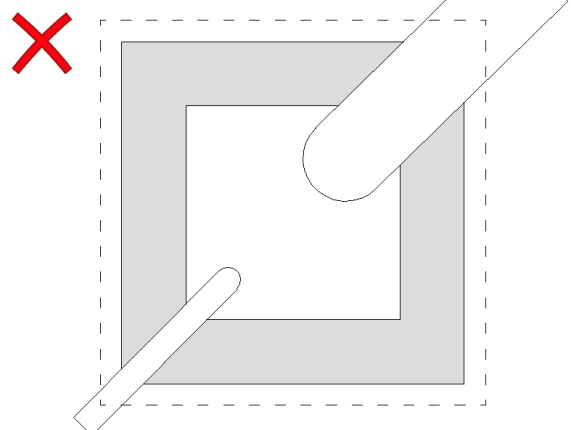
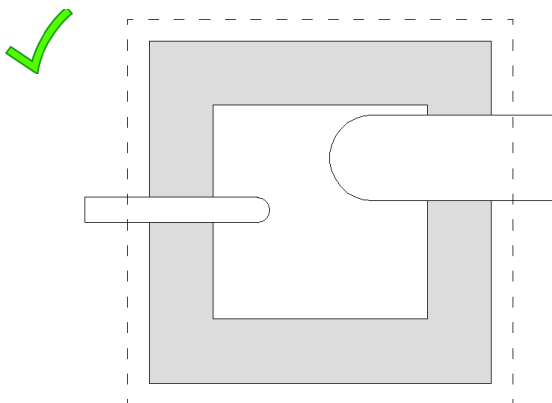
All service penetrations should pass through the Roofbox cabinet at 90° to the cabinet.

Internal clearances
applies to modular cabinets **only**



All services should be a minimum of 25mm away from the inside of the kerb including insulation.

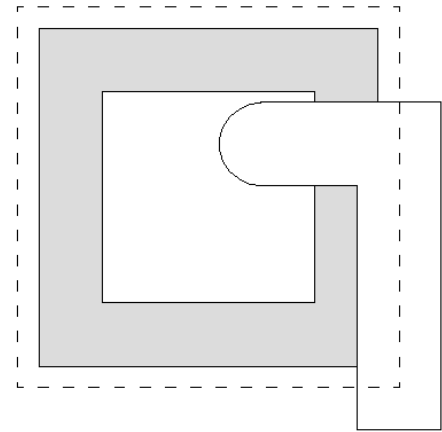
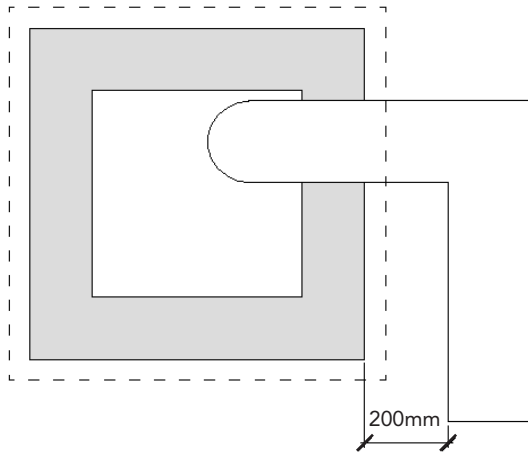
No service penetrations through the corner of the cabinets
applies to standard and modular cabinets



Service penetrations must exit the cabinet perpendicular to the kerb and not pass through the corners of the cabinet.

Clearance from Roofbox to any parallel ductwork or services

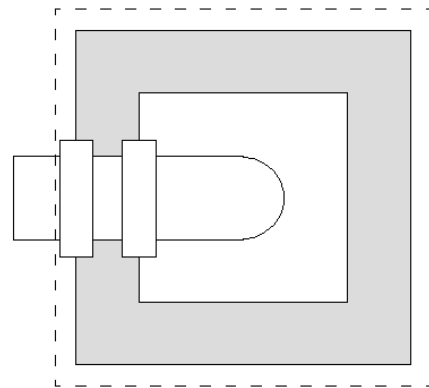
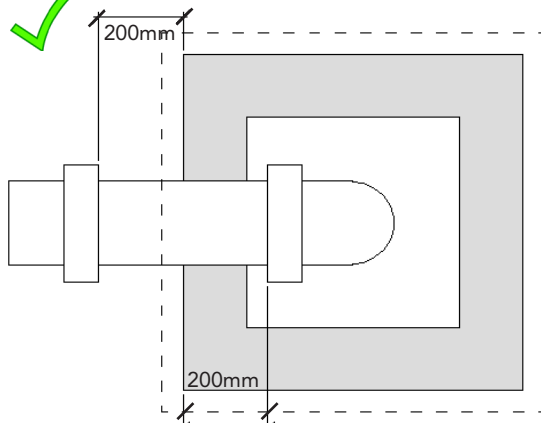
applies to standard and modular cabinets



A minimum of 200mm should be maintained between the kerb and any parallel services including insulation.

Fire dampers and valves

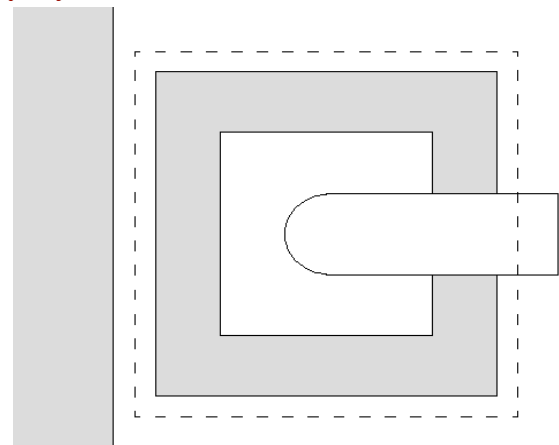
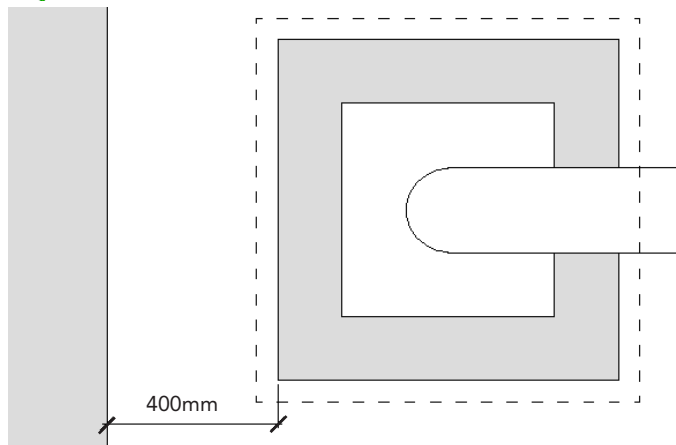
applies to standard and modular cabinets



Fire dampers and valves should be located a minimum of 200mm away from the outside edge of the kerb to enable access at a later date and avoid conflict with flashings.

Proximity to large plant or buildings

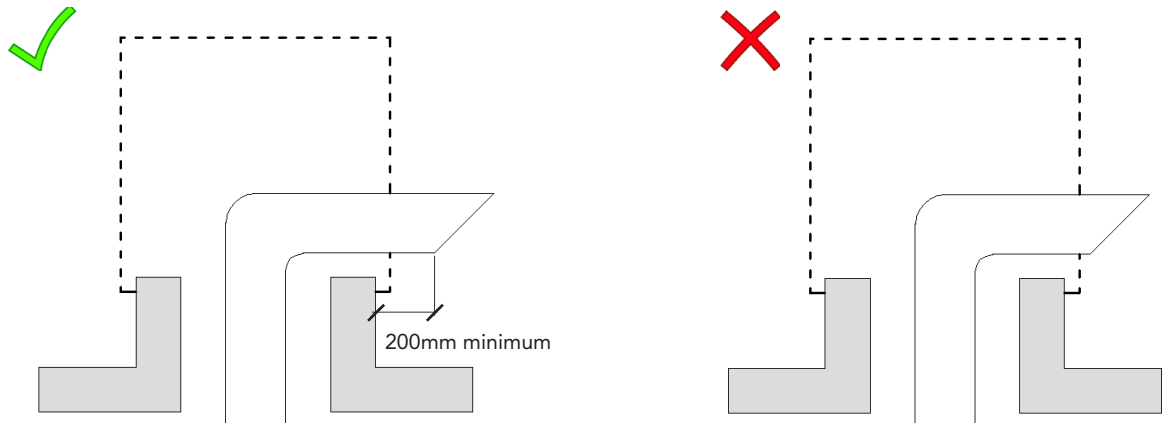
applies to modular cabinets **only**



A minimum of 400mm is required from the kerb to large objects such as AHU's or lift overruns to facilitate fitting of the Roofbox panels.

Terminating ducts

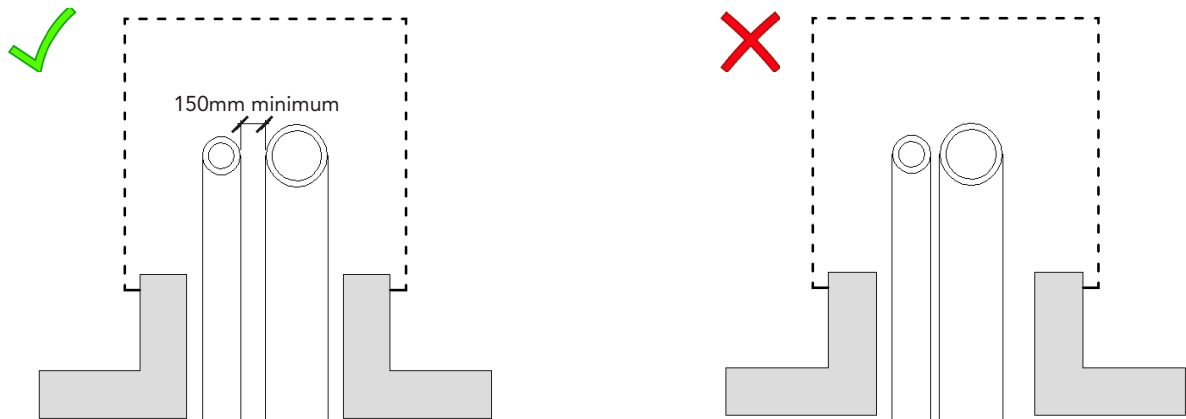
applies to standard and modular cabinets



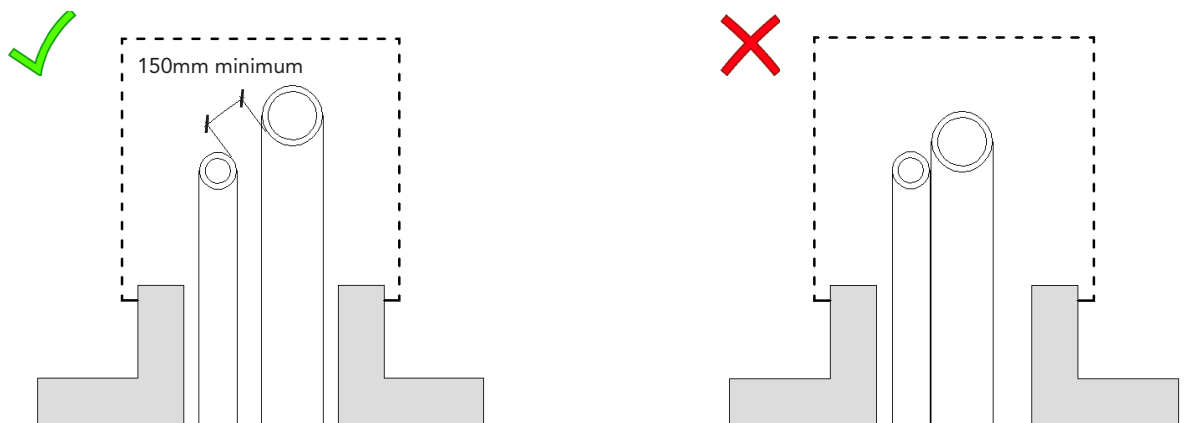
Where ducts terminate after exiting the Roofbox cabinet they should continue 200mm past the kerb.

Spacing of circular ducts

applies to standard and modular cabinets

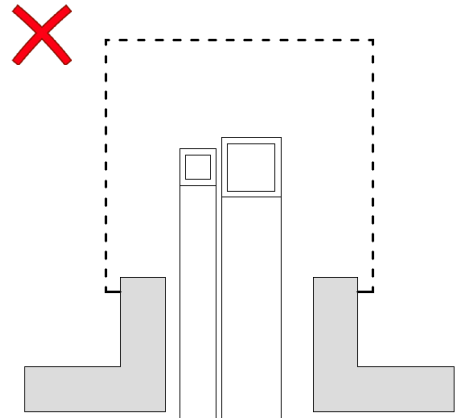
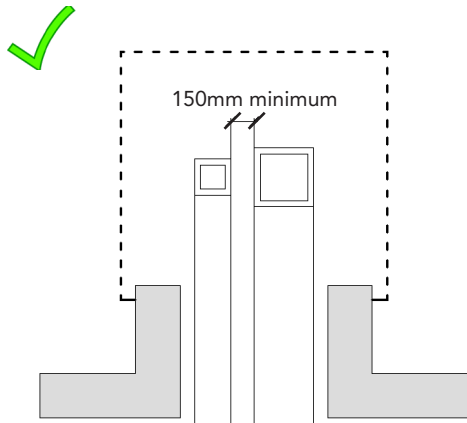


Circular ducts should be a minimum of 150mm apart to achieve an effective weathering seal to the cabinet.

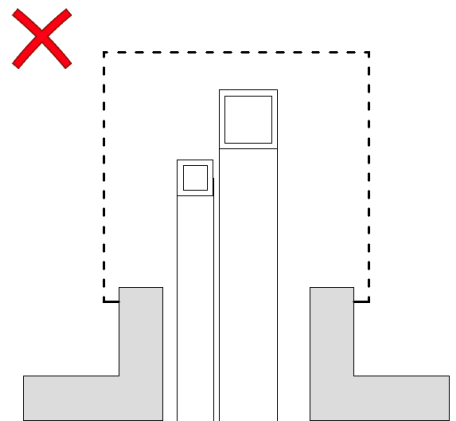
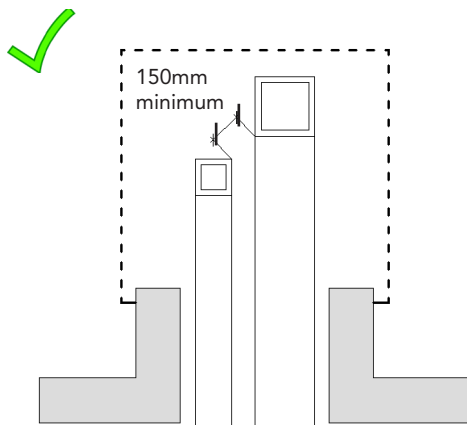


Where adjacent circular ducts are offset they should be a minimum of 150mm apart (including insulation).

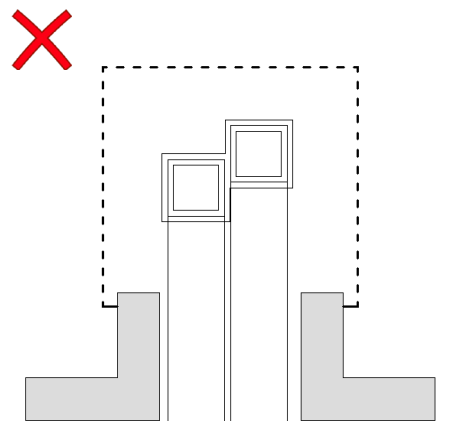
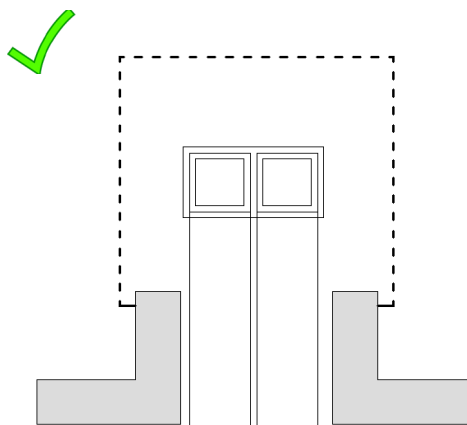
Spacing of square and rectangular ducts
applies to standard and modular cabinets



Square or rectangular ducts should be a minimum of 150mm apart to achieve an effective seal to the cabinet.



Where adjacent rectangular ducts are offset they should be a minimum of 150mm apart (including insulation).



Where rectangular or square ducts are completely encased with insulation and weathering they may be less than 150mm apart and treated as a single duct.



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