

QF2-CF150-02

Cable penetrating a rigid floor (150mm or thicker)

This standard detail is intended for general information only and all details should be checked against all relevant supporting test evidence, certification and installation guidelines
In line with the company's policy of continual development, details are subject to change and/ or withdrawal therefore you must ensure this is the latest published detail and instructions.

Additional Instructions

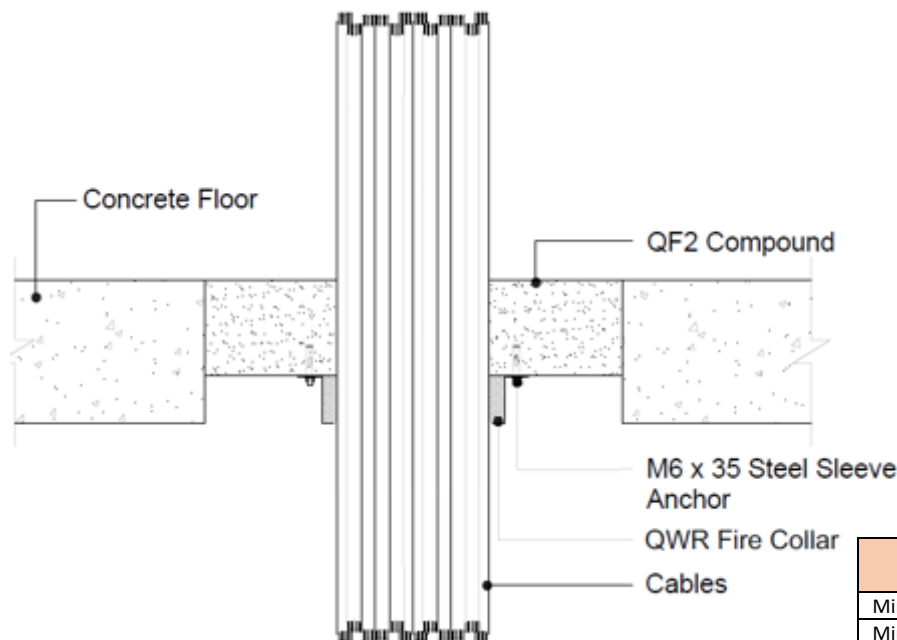
The floor must have a minimum thickness of 150mm and comprise of concrete, or aerated concrete, with a minimum density of 650kg/m³.

QF2 Fire Protection Compound installed directly up to the penetrating services to ≥100mm thickness.

For further information on the installation of QF2 Fire Protection use the [QF2 installation guidance document](#).

Once the QF2 Fire Protection Compound has cured, the QWR Fire Collar fixed to the underside of the QF2 Fire Protection Compound with M6 X 35mm steel sleeve anchors through all fixing lugs.

Multiple Service Penetrations: the total number of services (pipes, cables, conduits, trunking etc.) may be increased without restriction, so long as the distances between the services and the aperture edge are not smaller than the minimum distances stated on the service penetration detail and the aperture does not exceed the maximum allowance permitted.



Quelfire Products Required

Product Code	Description
QF2	QF2 Fire Protection Compound
QWR160/CE	QWR Intumescent Fire Collar
MW/SLAB	Quelfire MW Shuttering Slab

Multiple Service Penetration Spacing

Distances are from edge of fire stop seal

Minimum distance from edge of opening	50mm
Minimum distance between Services within the table shown	100mm
Minimum distance between other Service types	100mm

To be read in conjunction with:	UL Classification Report 4790096347 Issue 5 Pages 16, 17, 18 & 26
Test standard:	BS EN1366-3 & EN13501-2
Substrate minimum thickness:	150mm
QF2 Fire Protection Compound minimum thickness:	100mm
First service support:	≤400mm
Maximum aperture size:	2500mm x 2000mm**
** Refer to pages 16 & 17 of the QF2 Classification Report for a table of further aperture sizes where one side can be increased if one is decreased.	
Drawing Scale:	Not to Scale
Issue Number:	2
Date of Issue:	April 2024
Detail Reference:	QF2-CF150-02

Service Type	Size of Services	Classification
Telecomm Cable Bundle	≤Ø160mm Bundle of cables ≤Ø21mm	EI 120

Important Information:

1. The supporting construction must be installed in accordance with the manufacturer's guidelines and must be capable of achieving the required fire rating of the firestop.
2. All services should be adequately supported on both sides of the firestop to ensure that no load is transferred onto the firestop seal.

Scope and Liability:

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