

QFP-FW75-07

Cable Trunking Penetrating a flexible or rigid wall (75mm 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

Flexible walls to have a minimum 50mm wide stud and minimum 1no. layer of 12.5mm Gypsum boards in accordance with EN 520 or Calcium Silicate boards which are CE Marked based on an ETA on both sides of the stud.

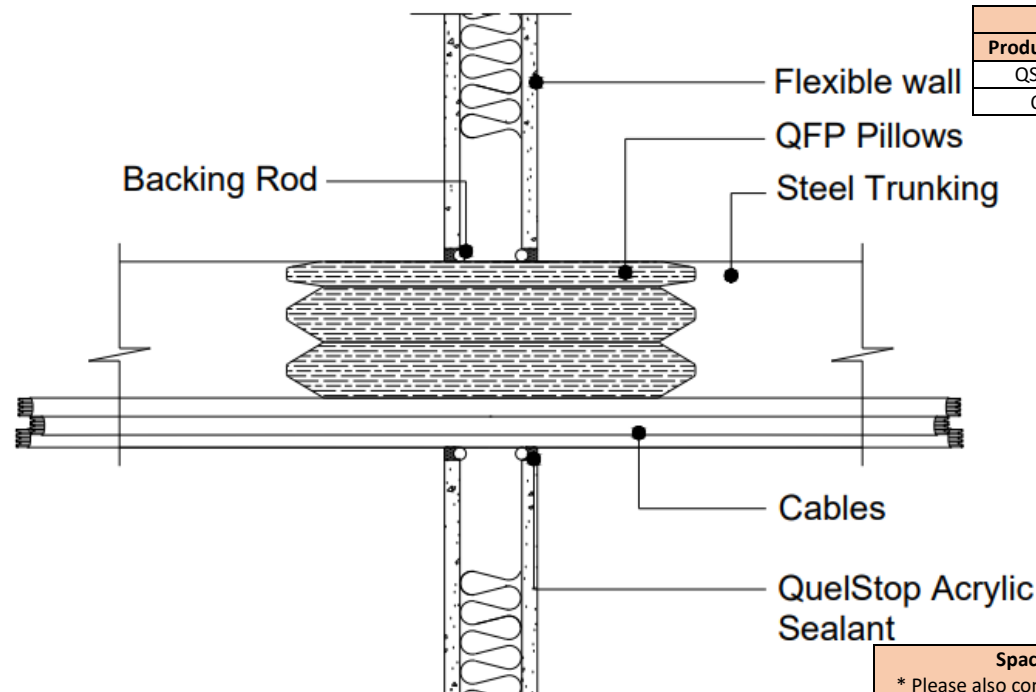
Trunking should be sealed around the perimeter with QuelStop Intumescent Acrylic Sealant.

Pillows should be installed lengthways within the trunking and in such a way that all joints are staggered in each layer and all gaps within the steel trunking system are filled in a manner that ensures a tight compression fit.

They should be finally positioned so that they are centrally positioned within the fire compartment wall.

Test results obtained with flexible supporting walls may be applied to concrete or masonry elements of an overall thickness equal to or greater than that of the element used in the test.

BS EN 1366-3:2021 Section 13.7: The distance between the aperture edges of penetration seals in a building element shall be as tested or minimum 100mm. The distance between the aperture edge of a penetration seal and any other penetration (e.g., door) in a building element shall be minimum 200mm.



Quelfire Products Required

Product Code	Description
QSS310	QuelStop Intumescent Acrylic Sealant
QFP	QuelStop Intumescent Fire Pillows (3 Sizes)

Spacing as per BS EN 1366-3: 2021, Section 13.7

* Please also consider any requirements that the wall manufacturer has with regards to spacing between openings.

Minimum distance from edge of opening to another aperture with a service penetration tested to BS EN 1366-3	100mm*
Minimum distance from edge of opening to another aperture with a penetration <u>not</u> tested to BS EN 1366-3	200mm*

Penetrating Service Type	Cable Size	Maximum Aperture	Minimum distance to edge of aperture	QuelStop Acrylic Sealant Depth	Backing material	Classification
Steel Trunking ≤50 x 50mm	≤21mm	70 x 70mm	0mm	10mm	PE Backing rod, glass wool, stone wool or ceramic wool	E 60 EI 45
Steel Trunking ≤150 x 150mm		170 x 170mm				E 60 EI 20

To be read in conjunction with:	UL EU 01192-CPR, Page 33
Test standard:	BS EN1366-3 & EN13501-2:2016
Substrate minimum thickness:	75mm
First Service Support:	≤400mm
Drawing Scale:	Not to Scale
Issue Number:	4
Date of Issue:	January 2023
Detail Reference:	QFP-FW75-07

Important Information:

- 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.
- All Services should be adequately supported either side of the firestop to ensure that no load is transferred onto the firestop seal.

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