

QB-FW75-S-01

Cable 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 (Insulated or Uninsulated) to have a minimum 50mm wide metal or timber 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. For timber stud walls there shall be a minimum distance of 100mm from the penetration seal to any timber stud and the void between the stud and seal shall be filled with a minimum 100mm depth of Class A1 or A2 insulation.

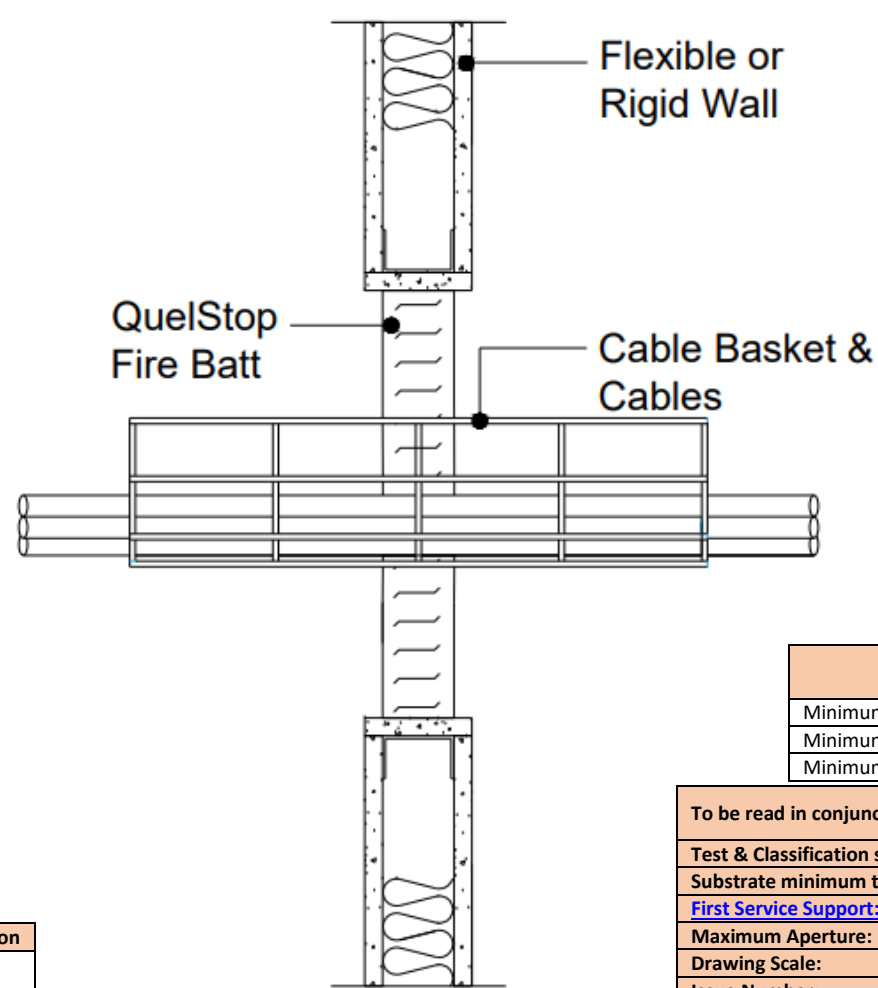
Apertures / Letterboxes should be constructed in accordance with the fire rated wall system manufacturer's recommendations.

Follow the installation steps referenced in the [QuelStop Fire Batt installation guidance](#) document.

All services sealed with QuelStop Acrylic Sealant.

Multiple Service Penetrations: The total amount of cross section area of the services (including insulation) should not exceed 60% of the service penetration area.

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.



Quelfire Products Required	
Product Code	Description
QB50D	QuelStop Fire Batt
QSS310	QuelStop Intumescent Acrylic Sealant
QSC5KG	QuelStop Ablative Coating 5kg tub

Multiple Service Penetration Spacing	
Distances are from edge of the fire stop seal	
Minimum distance from edge of opening	0mm
Minimum distance between Services within the table shown	0mm
Minimum distance between other Service types	50mm

Service Type	Size of Services	Classification
Telecom Cable	≤Ø21mm	E 60 EI 45
Telecom Cable Bundle	≤Ø42mm Bundle up to ≤Ø21mm cables	
Cable basket	≤380mm wide x 100mm high	

To be read in conjunction with:	UL Classification Report 4790517197 Issue 3 , Pages 34, 35 & 37
Test & Classification standard:	BS EN1366-3 & EN13501-2
Substrate minimum thickness:	75mm
First Service Support:	≤400mm
Maximum Aperture:	1570mm wide x 600mm high (Framed & Lined)
Drawing Scale:	Not to Scale
Issue Number:	6
Date of Issue:	September 2023
Detail Reference:	QB-FW75-S-01

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 on both sides of the firestop to ensure that no load is transferred onto the firestop seal.

Scope and Liability:

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