

QWX-CF150-01

Plastic Pipes 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.

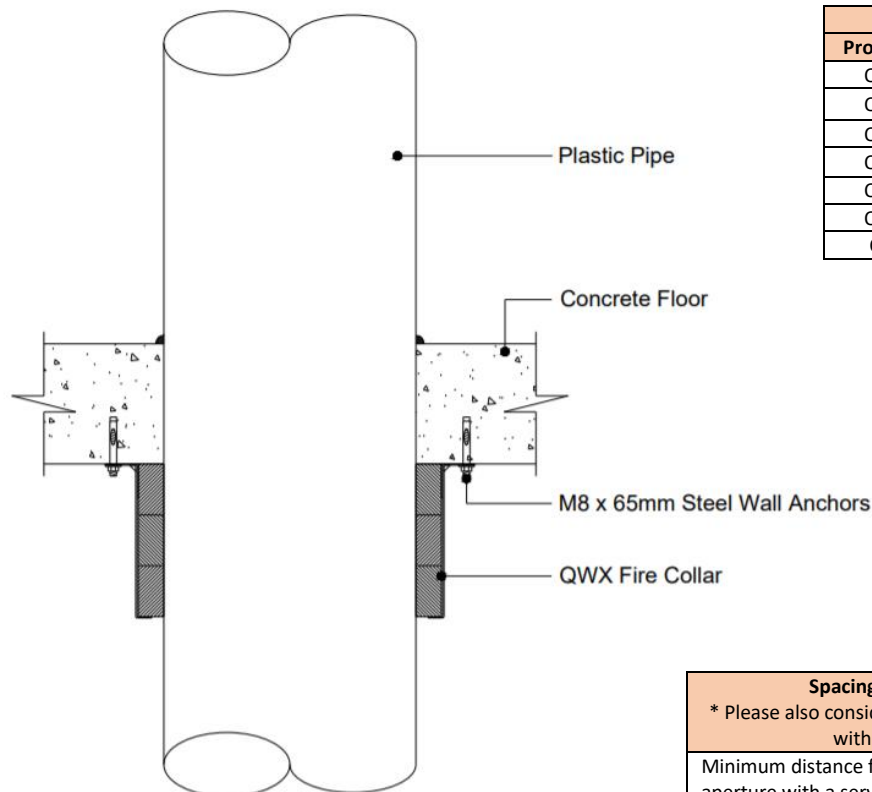
Additional Instructions

The wall must have a minimum thickness of 150mm and comprise of concrete, aerated concrete or masonry, with a minimum density of 670kg/m³.

The QWX Fire Collar is secured using M8 X 65mm steel sleeve anchors through all lugs.

Maximum 2.5mm annular space around the pipe to be filled with QuelStop Intumescent Acrylic Sealant.

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
QWX200	Fire Collar for 200mm dia pipes
QWX225	Fire Collar for 225mm dia pipes
QWX250	Fire Collar for 250mm dia pipes
QWX315	Fire Collar for 315mm dia pipes
QWX350	Fire Collar for 350mm dia pipes
QWX400	Fire Collar for 400mm dia pipes
QSS310	QuelStop Intumescent Acrylic Sealant

Application Type	Page No.
1 x QWX	1
2 X QWX	2

Service Type	Size of Services	Pipe Wall Thickness	Recommend Hole Dia.	QWX Required (On underside of the floor)	Classification
U-PVC (According to EN1329-1)	200mm	5.4mm	Ø202mm	QWX200	EI 180 C/C
	225mm	7.2mm	Ø227mm	QWX225	
	250mm	7.2mm	Ø252mm	QWX250	
	315mm	8.2mm	Ø317mm	QWX315	
HDPE (According to EN12201-2)	350mm	23.7mm	Ø352mm	QWX350	EI 60 C/C
	400mm	23.7mm	Ø402mm	QWX400	

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*

Test standard:	BS EN1366-3
Substrate minimum thickness:	150mm
First service support:	≤250mm
Drawing Scale:	Not to Scale
Issue Number:	2
Date of Issue:	January 2023
Detail Reference:	QWX-CF150-01

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 either side of the firestop to ensure that no load is transferred onto the firestop seal.

Scope and Liability:

- Any Information provided by or on behalf of Quelfire Limited is provided for general information only. It is not intended to amount to advice on which you should rely. You must obtain professional or specialist advice before taking, or refraining from, any recommendation or action.
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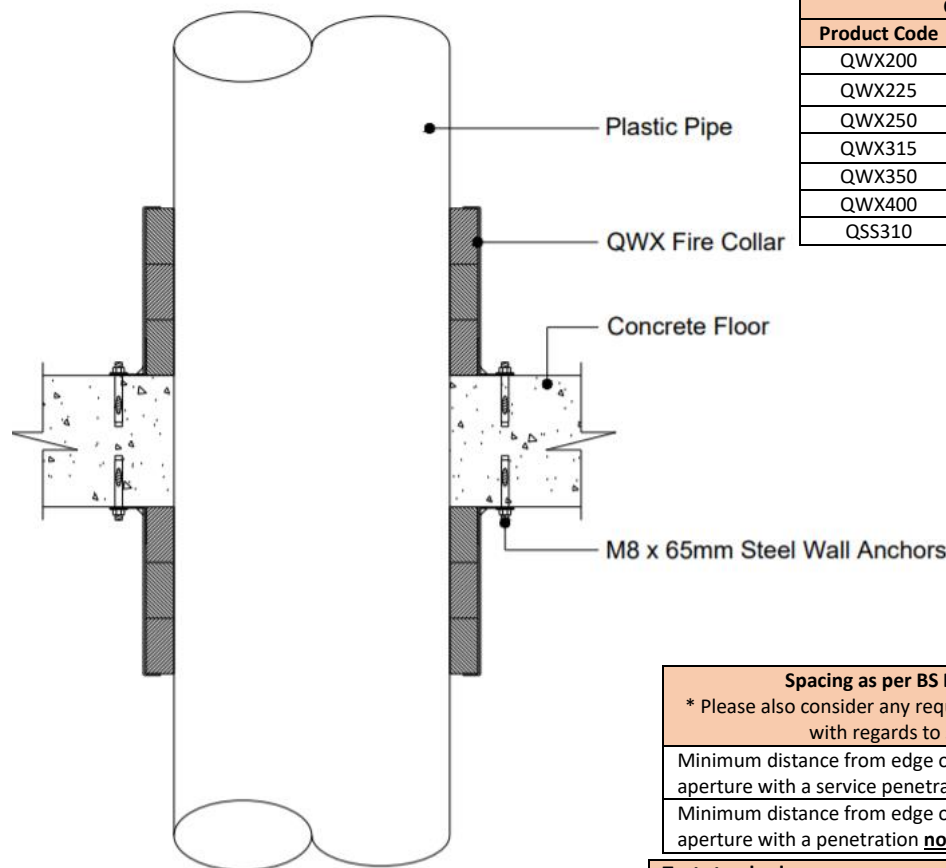
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Drawing Scale:	Not to Scale
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Service Type	Size of Services	Pipe Wall Thickness	Recommend Hole Dia.	QWX Required (Both sides of the floor)	Classification
U-PVC (According to EN1452-2)	350mm	9.8mm	Ø352mm	QWX350	EI 180 C/C
	400mm	9.8mm	Ø402mm	QWX400	

Important Information:

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