

# QB-CF150-D-10

## Metal pipe 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

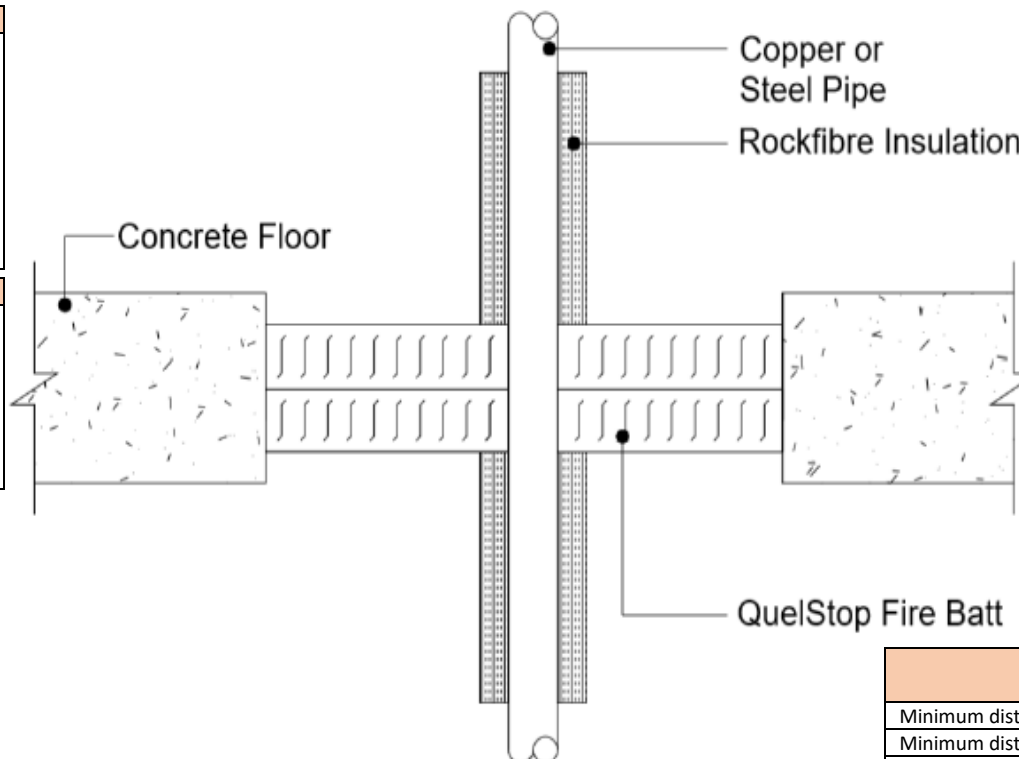
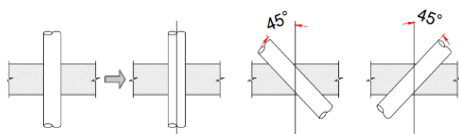
The floor must have a minimum thickness of 150mm and comprise of concrete, aerated or concrete, with a minimum density of 670kg/m<sup>3</sup>.

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

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

### Additional Instructions

Pipes can also be installed at an angle between 45 - 89°



### Quelfire Products Required

| Product Code | Description                                          |
|--------------|------------------------------------------------------|
| QB50D        | <a href="#">QuelStop Fire Batt</a>                   |
| QSS310       | <a href="#">QuelStop Intumescent Acrylic Sealant</a> |
| QSC5KG       | <a href="#">QuelStop Ablative Coating 5kg tub</a>    |
| QFFDW        | <a href="#">Foil faced rock fibre insulation</a>     |

### Multiple Service Penetration Spacing

Distances are from edge of 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             | 100mm |

| Aperture Size | Page No. |
|---------------|----------|
| 700 x 1100mm  | 1        |
| 1100 x 1500mm | 2        |

| Service Type                    | Size of Services | Pipe Wall Thickness | Pipe Insulation                                                                       | Classification         |
|---------------------------------|------------------|---------------------|---------------------------------------------------------------------------------------|------------------------|
| Copper/ Cast Iron & Steel Pipe* | ≤Ø42mm           | 1.2 - 14.2mm        | ≥40mm thick foil faced rock fibre insulation ≥40kg/m <sup>3</sup> density (L/I 300mm) | EI 120 C/U             |
|                                 | Ø42 - 159mm      | 2.0 - 14.2mm        |                                                                                       | E 120 C/U<br>EI 30 C/U |

\* All metal pipe materials are covered which have a thermal conductivity equal or lower than the metal pipe tested and provided the melting point is at least equal or greater.

|                                 |                                                                                    |
|---------------------------------|------------------------------------------------------------------------------------|
| To be read in conjunction with: | <a href="#">UL Classification Report 4790517197 Issue 3</a> , Pages 283, 283 & 293 |
| Test & Classification standard: | BS EN1366-3 & EN13501-2                                                            |
| Substrate minimum thickness:    | 150mm                                                                              |
| First Service Support:          | ≤400mm                                                                             |
| Maximum Aperture:               | 1100mm wide x 700mm long                                                           |
| Drawing Scale:                  | Not to Scale                                                                       |
| Issue Number:                   | 6                                                                                  |
| Date of Issue:                  | September 2023                                                                     |
| Detail Reference:               | QB-CF150-D-10                                                                      |

### 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:

- 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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# QB-CF150-D-10

## Metal pipe penetrating a rigid floor (150mm or thicker)



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### Additional Instructions

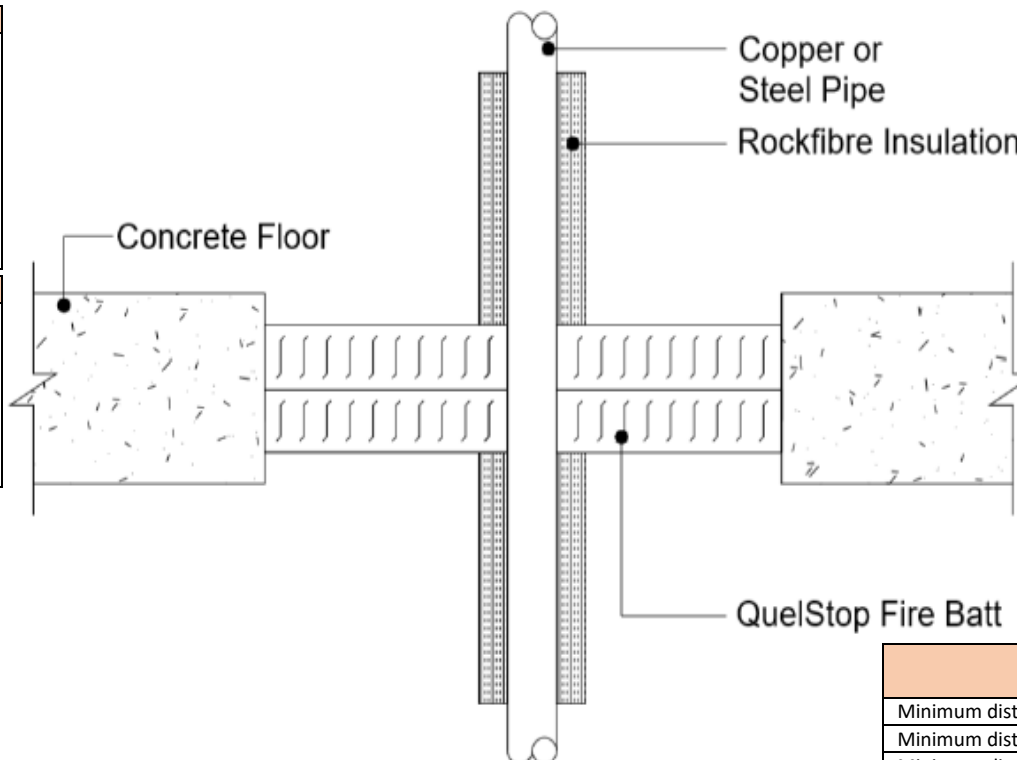
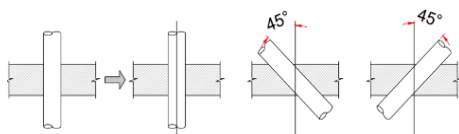
The floor must have a minimum thickness of 150mm and comprise of concrete, aerated or concrete, with a minimum density of 670kg/m<sup>3</sup>.

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

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

### Additional Instructions

Pipes can also be installed at an angle between 45° - 89°



### Quelfire Products Required

| Product Code | Description                                          |
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| Aperture Size | Page No. |
|---------------|----------|
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| 1100 x 1500mm | 2        |

| Service Type                    | Size of Services | Pipe Wall Thickness | Pipe Insulation                                                                       | Classification                     |
|---------------------------------|------------------|---------------------|---------------------------------------------------------------------------------------|------------------------------------|
| Copper/ Cast Iron & Steel Pipe* | ≤Ø42mm           | 1.2 - 14.2mm        | ≥40mm thick foil faced rock fibre insulation ≥40kg/m <sup>3</sup> density (L/I 300mm) | E 90 C/U                           |
|                                 | Ø42 - 159mm      | 2.0 - 14.2mm        |                                                                                       | EI 60 C/U<br>E 90 C/U<br>EI 30 C/U |

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### Multiple Service Penetration Spacing

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| First Service Support:          | ≤400mm                                                                             |
| Maximum Aperture:               | 1100mm wide x 1500mm long                                                          |
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| Issue Number:                   | 6                                                                                  |
| Date of Issue:                  | September 2023                                                                     |
| Detail Reference:               | QB-CF150-D-10                                                                      |

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