Openreach JMF104 Modular Chamber Construction Specifications

July 2026

openreach

Fig 1.

1. Excavation required to the approximate depth of 1000mm (1 metre) below finished ground level, 1400mm (1.4 metres) long and 940mm wide.

2. 150mm concrete base to be poured into the bottom of the excavation with a grating sump installed. (Sump grate issued by Openreach).

3. 1 modular section to be placed on the concrete base and bedded into the base to a depth of approximately 15mm.

4. Next modular section fitted is where ducts are to be installed. These will require the modular sections to be cut using a hole saw. 56mm hole saw for D56 and 96mm for D54. Ducts must only be installed in the pre-marked areas of the modular section. If an oversized hole saw is used the voids between the duct and the chamber wall must be filled and pointed using a C32/40 concrete or mortar. Ducts are to be cut back with no more than 25mm of duct protruding into the chamber. Ducts can be installed up to a 45 degree angle through the pre-marked areas. Ducts MUST NOT be installed through the corners.

5. 3 more modular sections to be installed. This will meet the minimum of 5 modular sections required for the quality standard of a completed chamber.

6. Chambers of 750mm deep require a step to be installed in one corner of the chamber.

7. All chambers regardless of depth require the installation of metal drop in bearers. 1 pack contains 2 bearers and these must be installed in the slots on one side of the chamber. Image on next page shows a top down view of step and bearers installation.

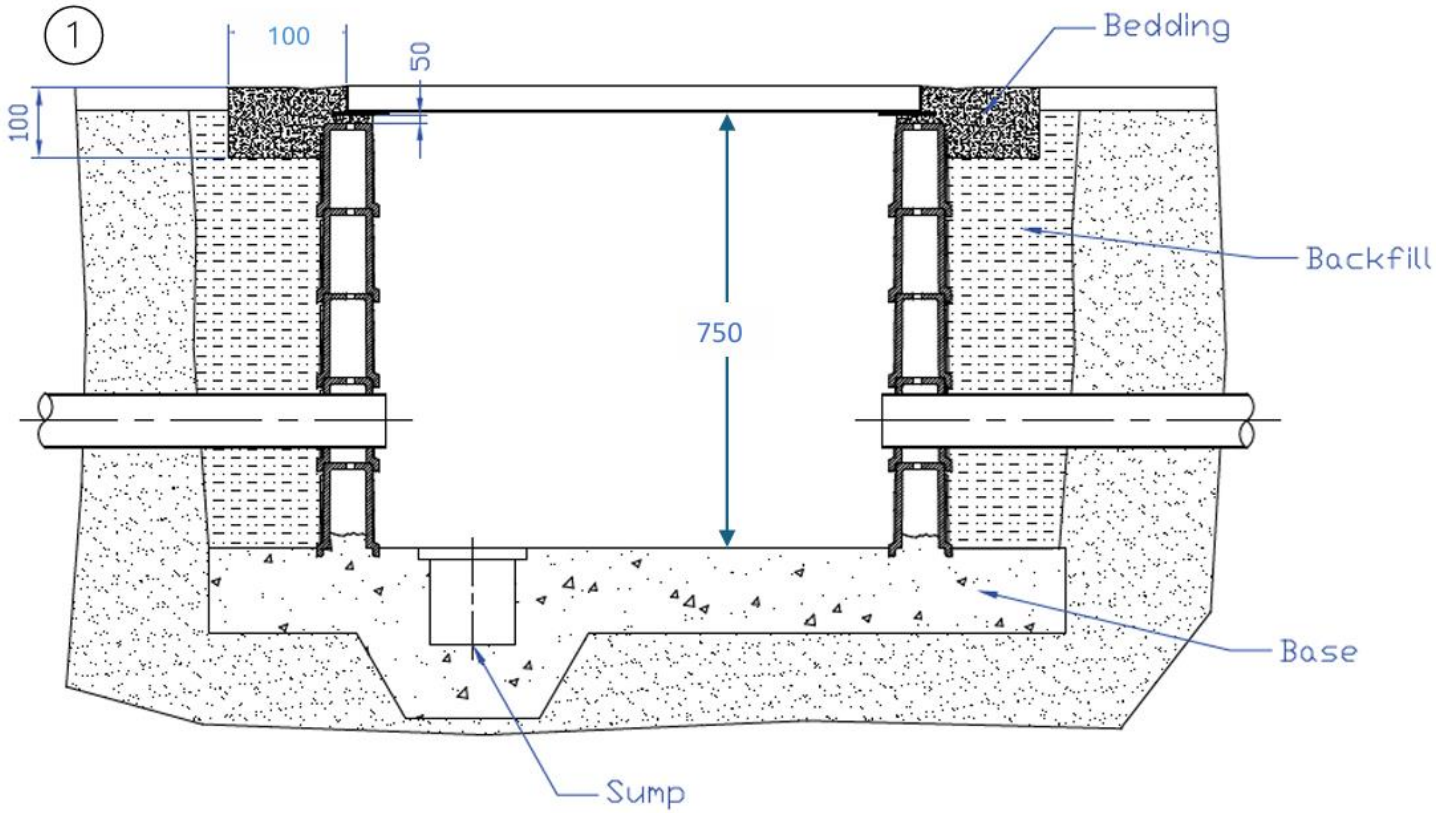
Fig 2.

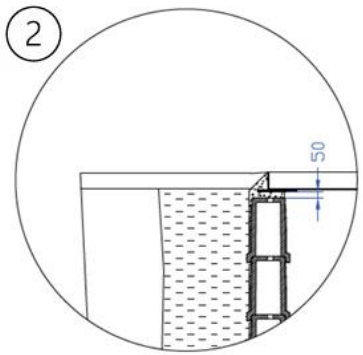
8. 20mm minimum or 50mm maximum mortar bed required for the seating of the frame and cover on top of the modular chamber. Mortar can be used for adjustment of the cover to meet the camber of the footpath. Anything more than a 50mm bed will require a modular section trimmed to a minimum 40mm deep with a 20mm mortar bed to seat the frame and cover on. NO BRICK OR TILE TO BE USED TO ADJUST FRAME AND COVER LEVEL. Frame and cover must be fitted squarely to the chamber structure.

Fig 3.

9. Where a chamber is located within grass, soft or unmade surfaces, the frame must be surrounded with a 100mm wide strip of minimum grade C25/30 concrete, to the full depth of the frame, finished level with the top edge of the frame and the outside edge of the plinth being installed. It must be straight and parallel to the frame.

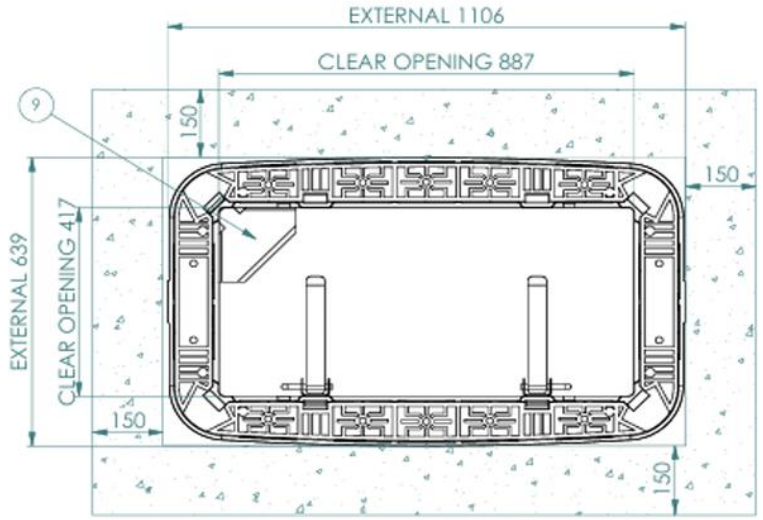
All frames and covers must bed levelled to the final finished surface





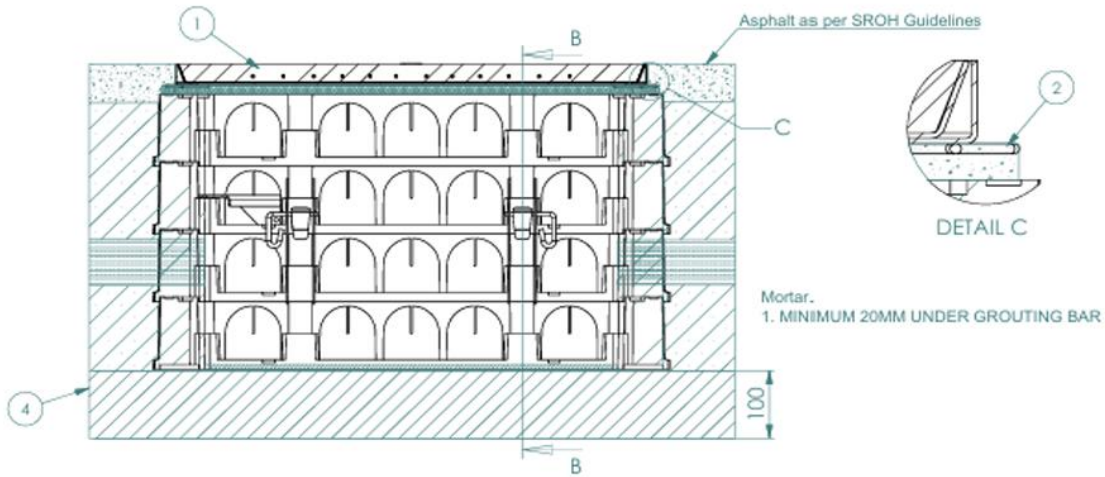
STAKKAbox™ JMF Footway 4

*Image for indication purposes only. Openreach specification is a minimum of 5 complete modular sections.



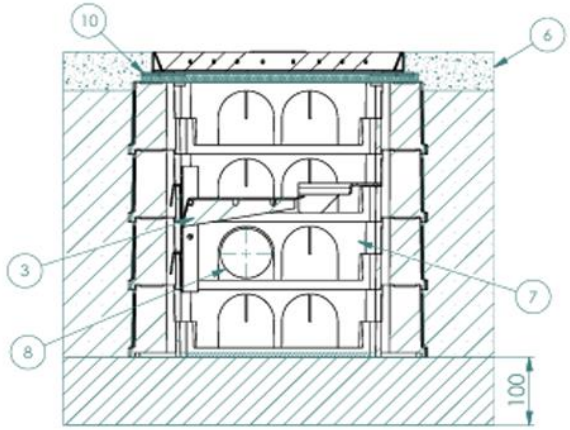
ITEM	DESCRIPTION
1	Cubis AX-S B125 Concrete Infill Cover
2	Minimum 20mm Mortar
3	Cable Management Kit
4	100mm C30 Lean Mix Compacted Concrete Base
5	10mm Sand & Cement (Drymix)
6	Asphalt as per SROH Guidelines
7	915x445mm JMF Chamber
8	110mm Ducting
9	Drop-In Step
10	Bedding Mortar

Notes.
1. END DUCTS TO BE IN LINE
2. WHERE POSSIBLE DUCTS TO BE POSITIONED NO LESS THAN 75MM FROM SIDE WALLS & 100MM FROM BASE
3. CHAMBER SIDE WALLS TO BE BACK FILLED MINIMUM 150MM COMPACTED TYPE 1 MOT



DETAIL C

Mortar.
1. MINIMUM 20MM UNDER GROUTING BAR



CUBIS SYSTEMS
www.Cubis-Systems.com

Tolerance unless Otherwise Stated	+1, -1	Material	-
		Finish	-
Weight	47.09 kg	DIM	mm

TITLE: Footway 4 JMF Chamber & AX-S Cover - Asphalt Surface

SIZE A3 | DWG NO. 35495 - 5 | SHEET 1 OF 1 | REV 0

Rev	Date	Revision Description	Drwn	Appr
0	19/10/23	Initial Release	JMcM	JMcM

JMF104 Quality Check List	Yes/No/NA
Concrete base installed, flat, level, clear of debris and sump installed with the first modular secction section set into the base by approximately 15mm?	
Ducts correctly installed in the second section from the base, in the pre-marked areas, cut back to a maximum 25mm from the chamber wall, voids between duct and chamber wall filled and pointed (if required) and all completed ducts roped?	
Chamber constructed of minimum of 5 complete modular sections?	
Drop in step installed in one corner of the chamber (mandatory for all chamber 750mm or more deep) and metal drop in bearers placed in the slots along one wall of the chamber?	
Minimum 20mm to maximum 50mm mortar bed installed between the frame and cover and the upper section of the completed chamber?	
Where adjustment over 50mm required the lower portion of a 40mm minimum trimmed section has been used with mortar bed of between 20mm and 50mm installed between the section and the frame and cover?	
Frame and cover fitted squarely to the chamber structure on a mortar bed of 20-50mm and level with the finished surface?	
Where a chamber is located within grass, soft or unmade surfaces, a 100mm wide strip of minimum grade C25/30 concrete, to the full depth of the frame, finished level with the top edge of the frame and the outside edge of the plinth that has been installed? It must be straight and parallel to the frame.	