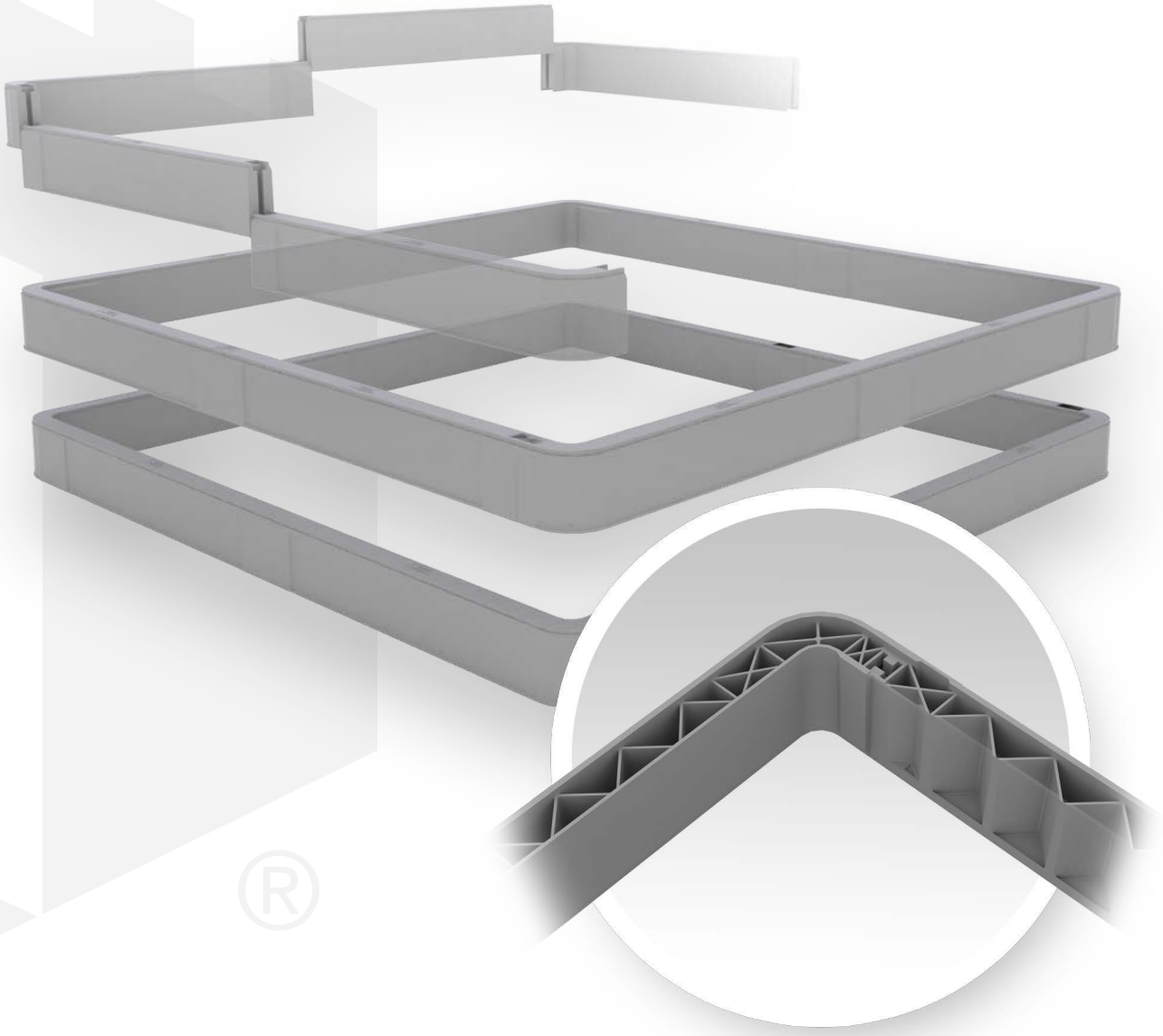
STAKKABOX™

Ultima Connect

Assembly Guide



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SCOPE & PROCEDURE

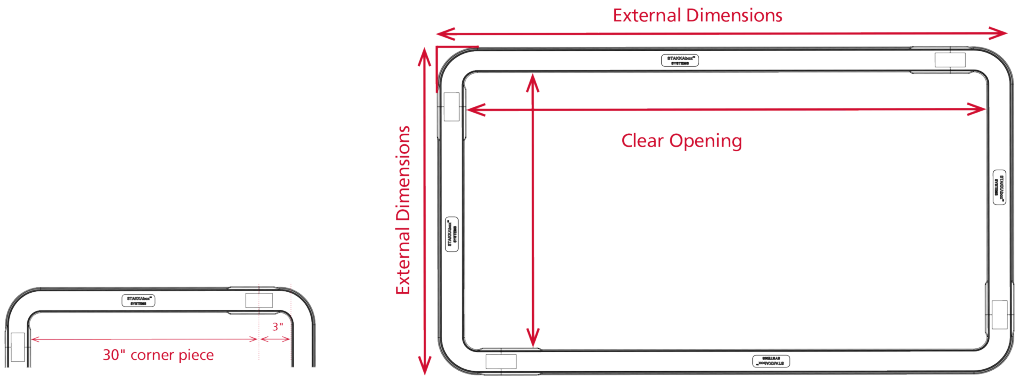
This Installation Guide is intended to assist in the preparation and installation of STAKKAbox™ products manufactured by Oldcastle Infrastructure.

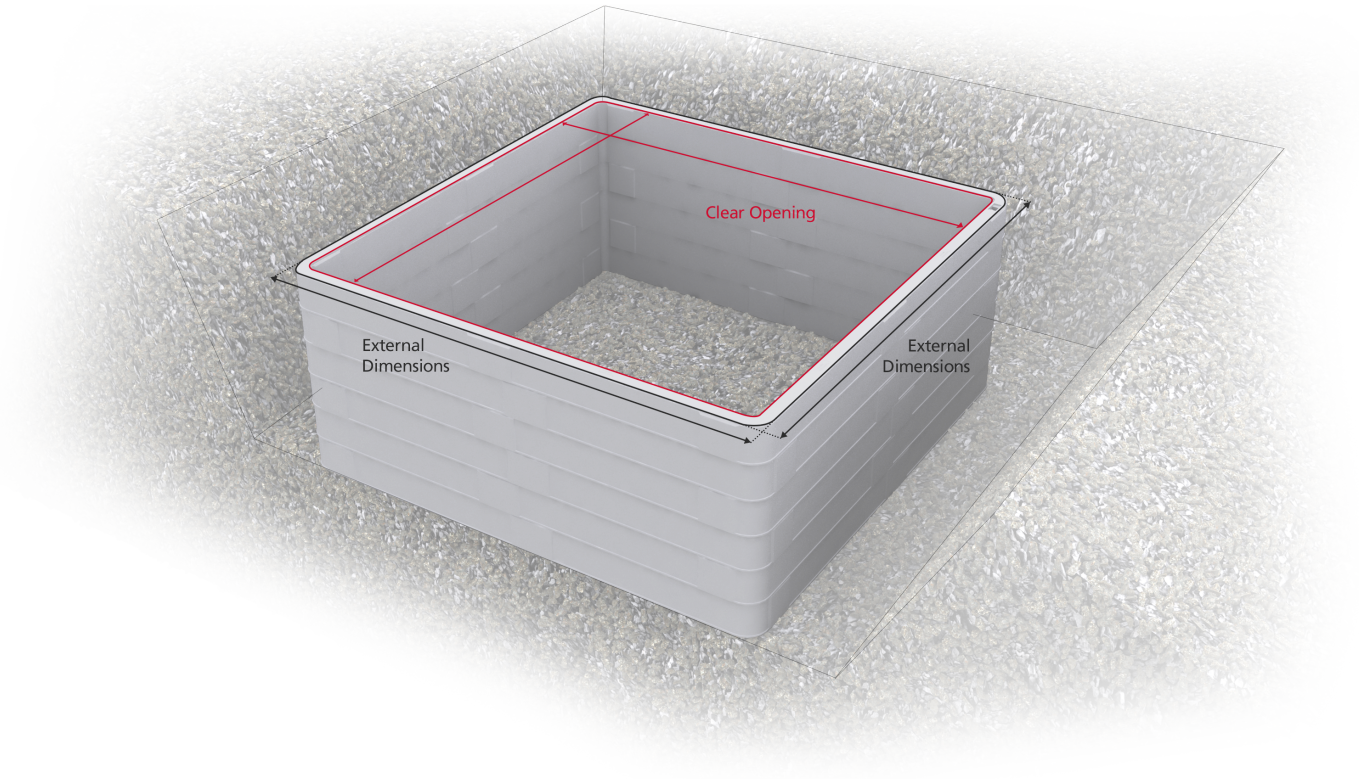
The STAKKAbox™ ULTIMA Connect chamber system features a twinwall sectional design that is made up of corner pieces and sidewall lengths. These parts are connected using a jointing peg to form a variety of clear opening sizes. Sidewall sections used in conjunction with corner sections allows chamber sizes specified by the contractor to be created. Chamber accessories are also available.

1.0 PREPARATION AND SETUP

1.1 Measuring a Chamber

Network access chamber sections are measured by the measurements inside of the chamber. Attention should also be paid to the external dimensions when deciding whether the network access chamber will fit into the area required.

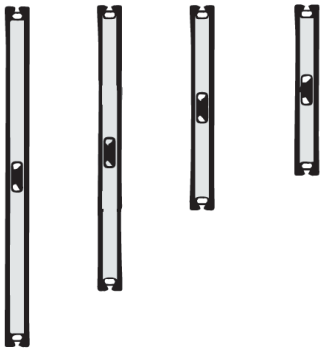




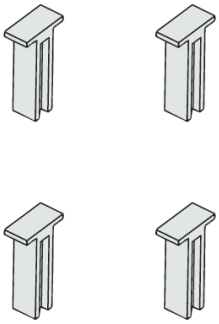
2.0 ASSEMBLY

2.0 Components

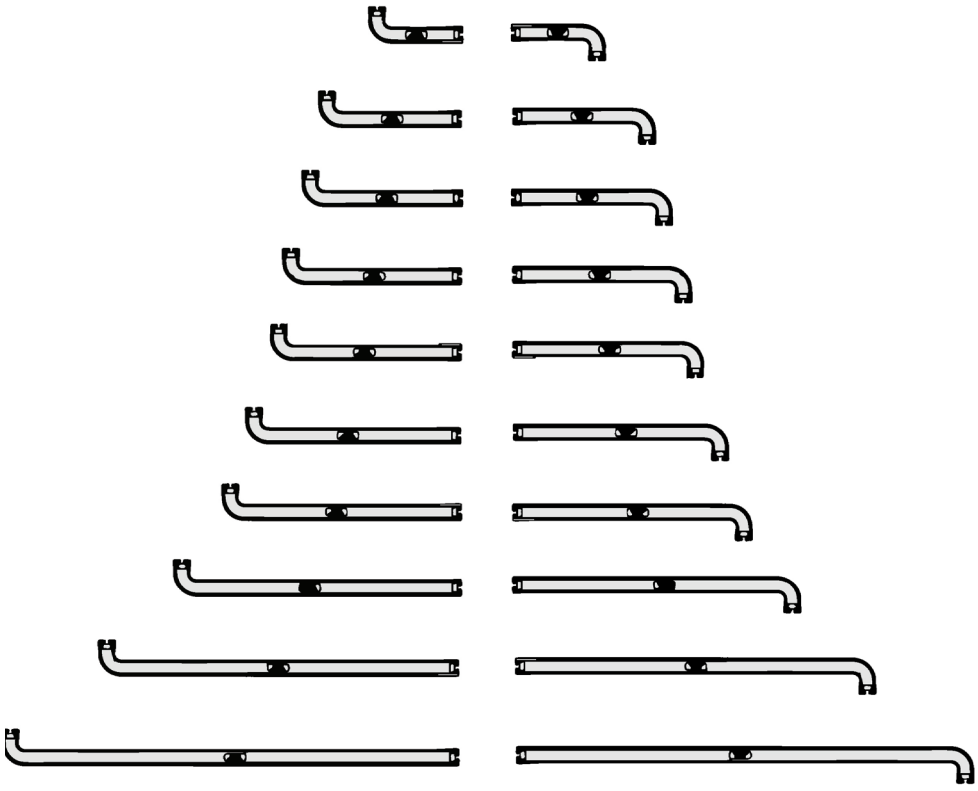
Corner pieces are connected together using jointing pegs to form a variety of clear opening sizes. Sidewall sections are used in conjunction with corner sections to allow creation of any chamber size specified by the contractor.



Sidewalls



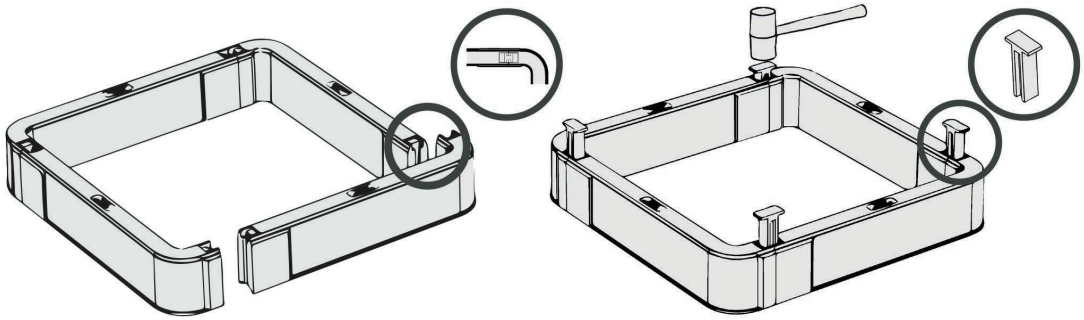
Joining Pegs



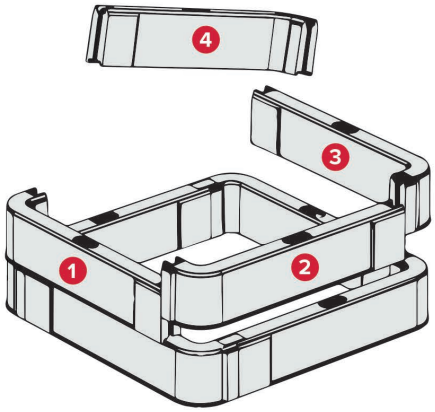
Corners

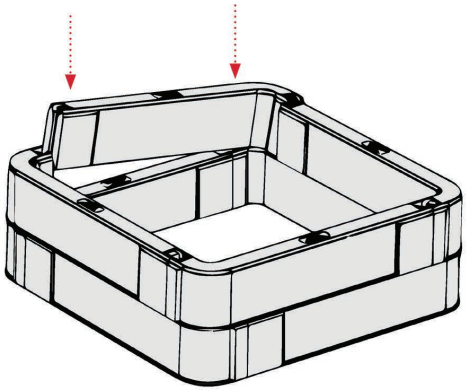
2.2 Assembly Using Corners

Arrange corner pieces to match the chamber clear opening dimensions. Ensure that the lip is on the outside of the chamber. The corner pieces should be all 'left' or all 'right' on each section and will alternate between the two as the chamber increases in depth. Connect the sections using jointing pegs, ensuring that the top of the peg is level with the top of the section. All pegs should be partially inserted before tapping.

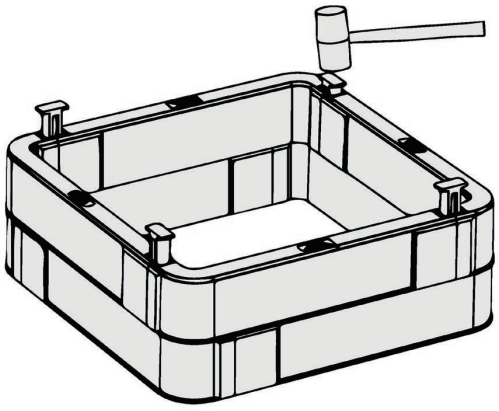


Using the alternative corner piece arrangement, lay out the second ring section of connect pieces to ensure you have the correct components. Arrange the component parts sequentially as shown below. This will provide a 'brick worked' chamber ensuring any joints are not in a vertical line.



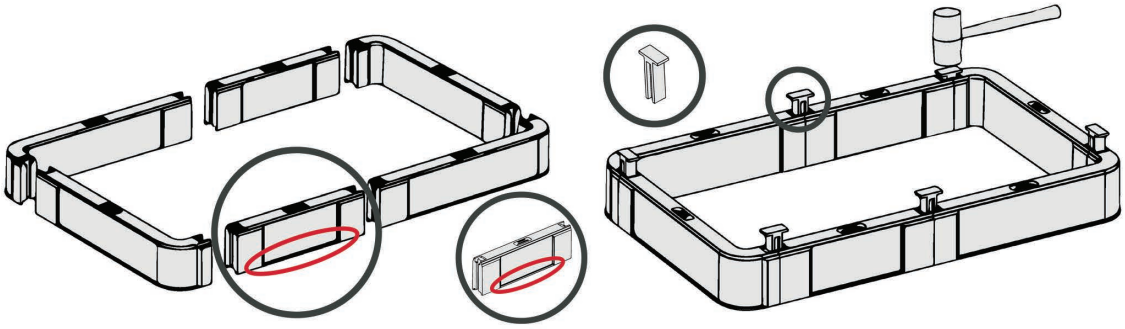


Connect the sections using jointing pegs, ensuring that the top of the peg is level with the top of the section. Repeat steps 1 to 3 until the chamber reaches the specified depth.



2.3 Assembly Using Corners and Sidewalls

Arrange corner pieces and side walls to match the chamber clear opening dimensions. Ensure that the lip is on the outside of the chamber. The corner pieces should be all 'left' or all 'right' on each section and will alternate between the two as the chamber increases in depth. Connect the sections using jointing pegs, ensuring that the top of the peg is level with the top of the section. All pegs should be partially inserted before tapping.



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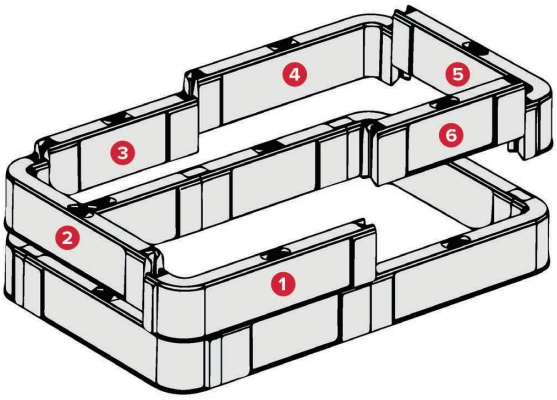

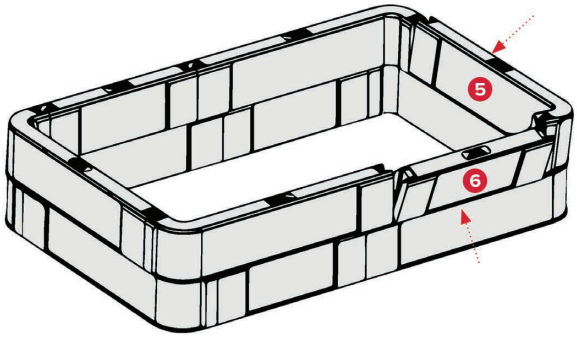

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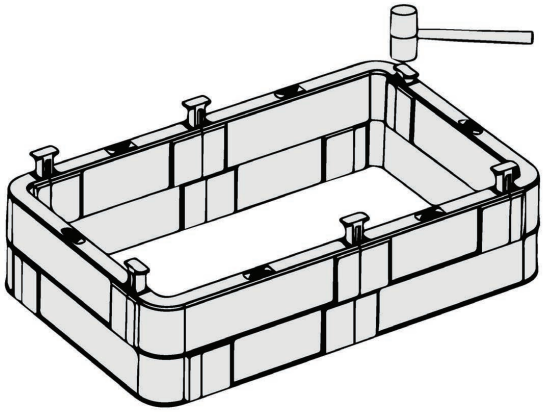
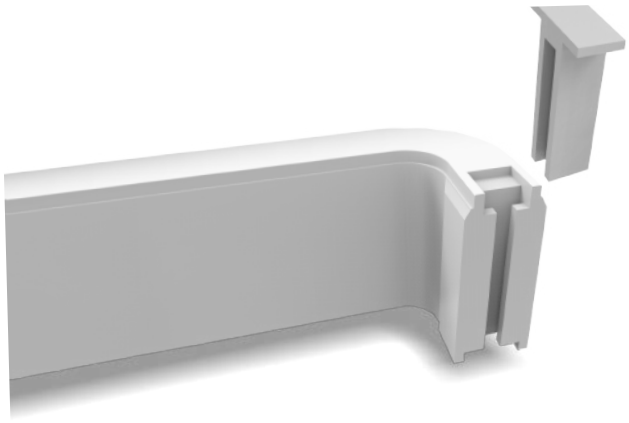
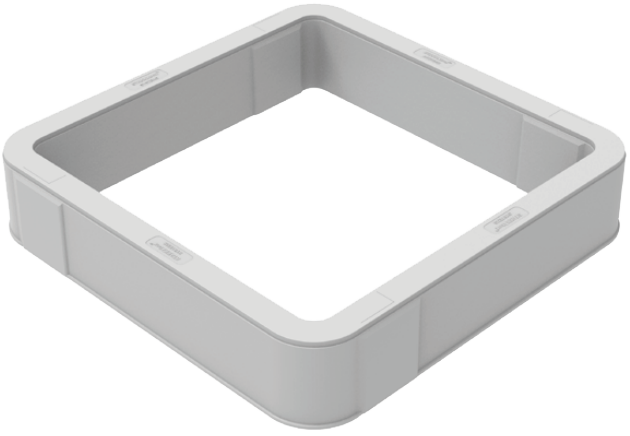


3.0 INSTALLATION

Offsetting joints between sections provide a brickworked design providing strong sidewall performance.

Chamber walls can be built around existing infrastructure.





Joining Pegs are inserted at each intersection to securely connect each component.

4.0 ACCESSORIES

4.1 Chamber Base

Chamber bases are available to suit any chamber size. Bases fit securely to a ring section or bottom of the chamber to provide a clean easy finish to the floor of the chamber. There is no requirement to 'float' a floor on-site and the floor prevents vegetation and silt from entering. Bases are available with an anti-slip finish, grated drainage holes with silt block, sumps to provide a low point for removal of water and built in cable pulling eyes.

4.2 Access Steps

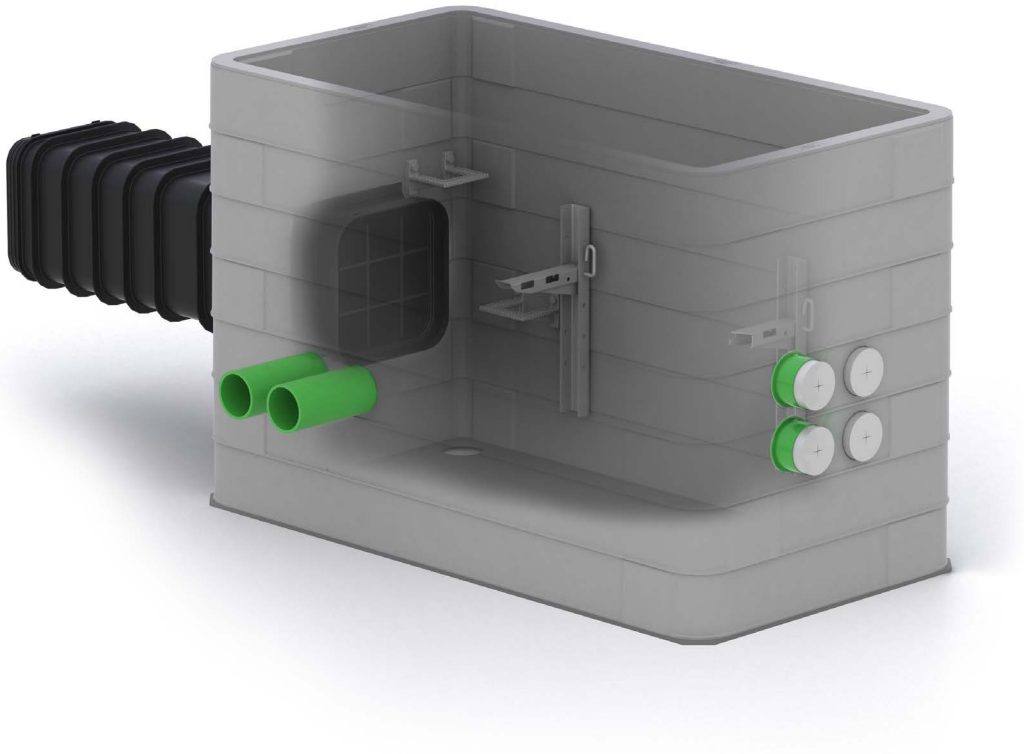
High quality drop-in or bolt-on steps are available.

4.3 Duct Entry

Fittings are available for ducts, tubes and pipes of all sizes. Entries can be made easily on-site or use our pre-fit service for customized wall configurations that save time and provide consistent spacing and internal wall finish. MULTIduct™ spigots can also be built into any chamber so that the entire interface can be completed quicker on-site. These spigots can be located anywhere along the chamber walls and integrate with MULTIduct™ components.

4.4 Cable Management

Cable racking and management accessories will keep cables dressed perfectly within the chamber.

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