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**AX-S™ Steel  
Fabricated Covers  
Solid-Top**

Design and  
Specification Guide





# Water Cover Details



Cubis' AX-S™ steel fabricated access covers are designed and manufactured with an extensive range of options and accessories. Made from a minimum of 4mm thick structural steel plate and are hot-dip galvanised in accordance with BS EN ISO1461.

Cubis' range of steel fabricated access covers are bespoke designed to suit each installation. Requirements such as size of opening, valve equipment and expected rate of zinc corrosion are all considered before any final designs are produced for approval.

Cubis' range of steel access covers include Solid Top and Upstand and the LPCB Citadel range.

## Typical Water Cover Details

### Enclosed Padlock Box

Padlock hole size - 12mmØ  
(Padlocks not supplied)

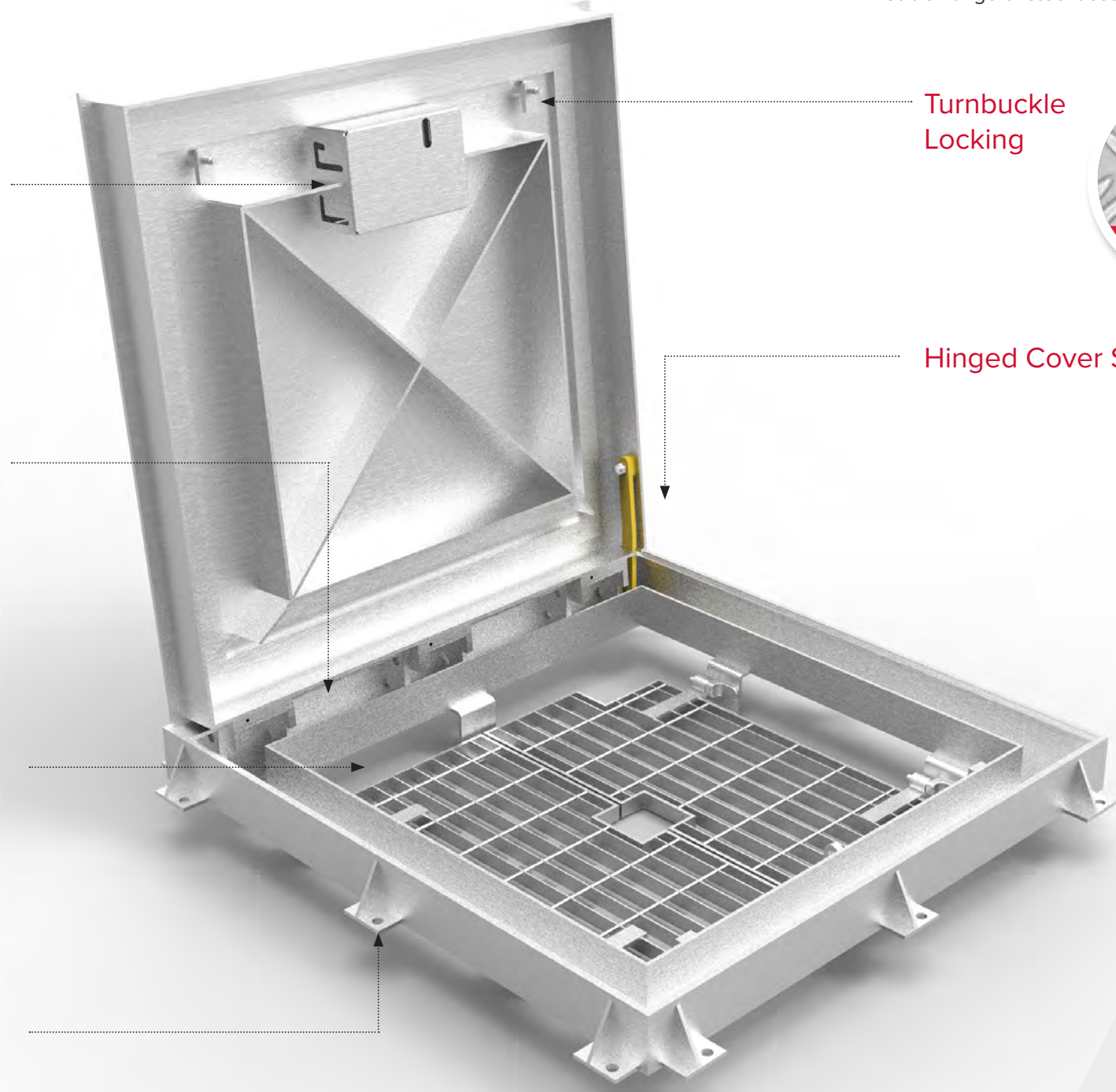


### Concealed Cover Hinge

### Recessed Hinged Safety Grid

### Bolt Down Bracing

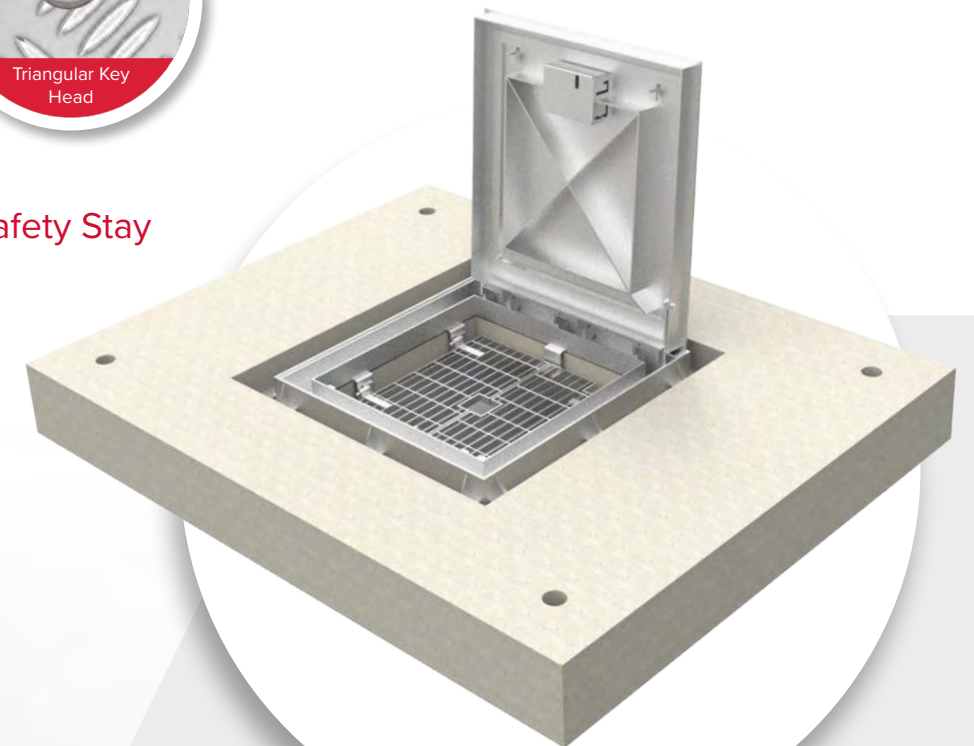
Holding down bracket supplied with  
16mmØ holes



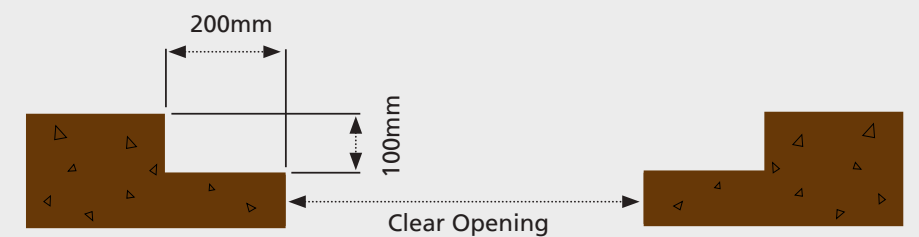
### Turnbuckle Locking



### Hinged Cover Safety Stay



Concrete slab rebate for solid top AX-S™ steel fabricated access cover.





## Twin Leaf - Steel Covers

Typical twin leaf end hinged sealed access cover



**Support Beams** - The standard removable universal beam used is 203x133x30 for cross member supports.

Typical twin leaf Inline hinged sealed access cover



### Solid Top Vertical Loading

Solid Top covers are designed to meet the vertical loading requirements of BS: EN124.

### Maximum Leaf Sizes


A15 - 1200mm x 1200mm  
B125 & C250 - 1200mm x 1000mm


### Opening Orientation

Cover opening are typically hinged on the longer side of the cover

### Extras

Alarm bracket

A  1.5 tonnes vertical load

B  12.5 tonnes vertical load

C  25 tonnes vertical load

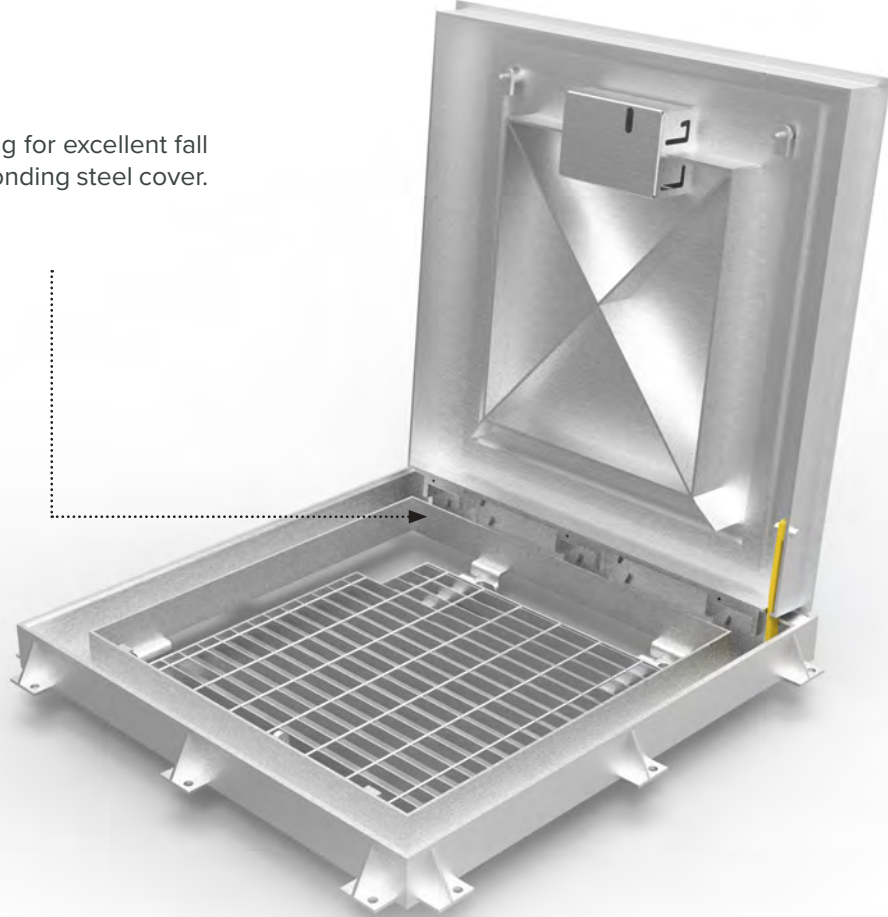


**Safety Grid Styles**

**Hinged Safety Grid**

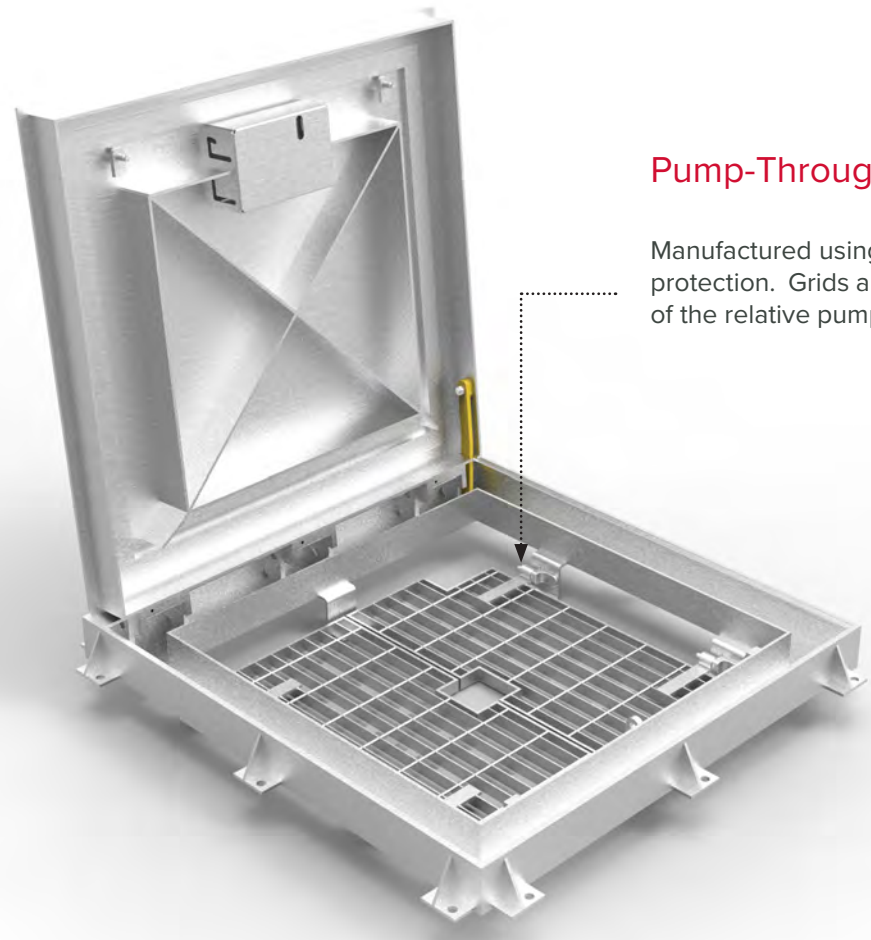
Manufactured using open mesh flooring for excellent fall protection. Hinged relative to corresponding steel cover.

**Cover Hinging** - Covers are typically designed to be hinged on their longest side.



**Pump-Through Safety Grids**

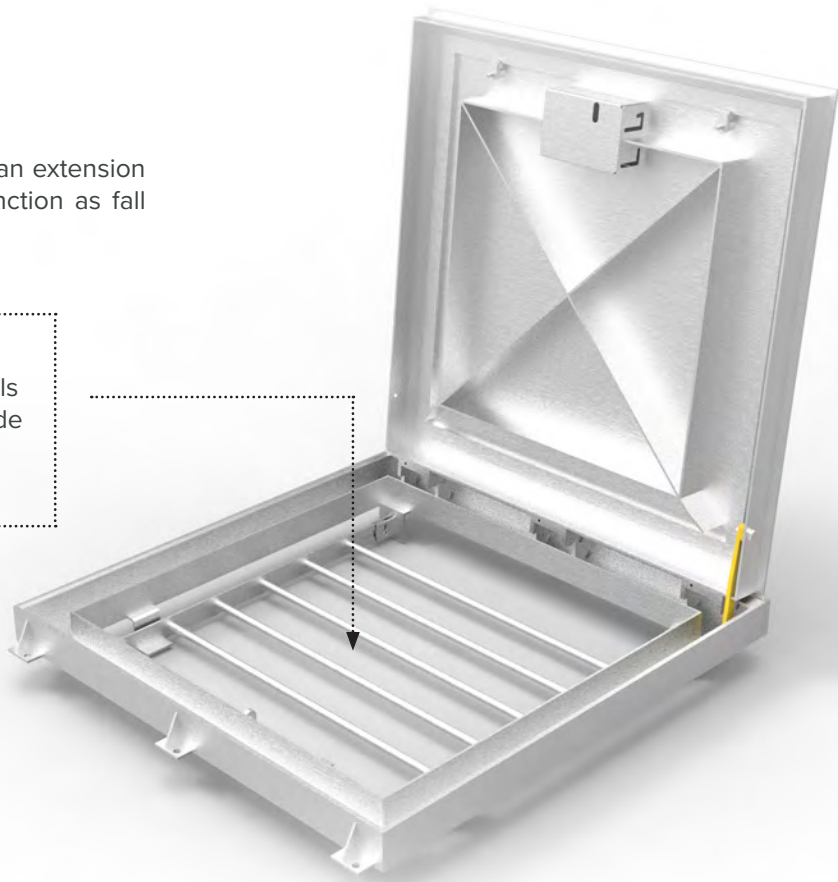
Manufactured using open mesh flooring for excellent fall protection. Grids are hinged to allow opening either side of the relative pump.



**Ladder Safety Grid**

Ladder safety grids are designed to act as an extension of chamber ladders when erected, and function as fall protection when in the closed position.

**Ladder Detail** - Cubis works with various customer specified ladder types with details varying between customers. Please provide ladder position and approximate size or supply 2D CAD details if available.



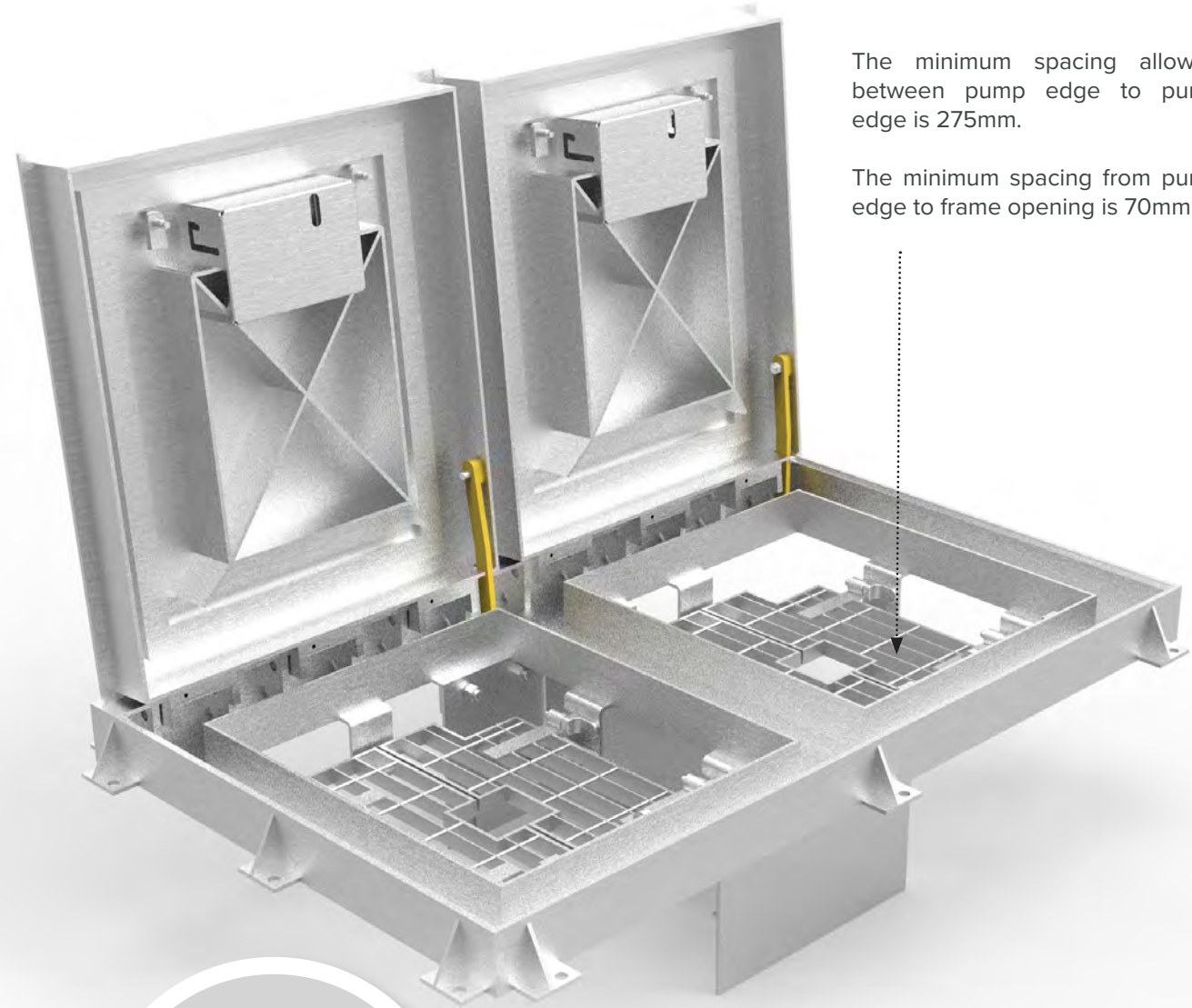
**Please provide 2D CAD drawings for the location of the pumping equipment**



## Pump Spacing Specification

The minimum spacing allowed between pump edge to pump edge is 275mm.

The minimum spacing from pump edge to frame opening is 70mm.



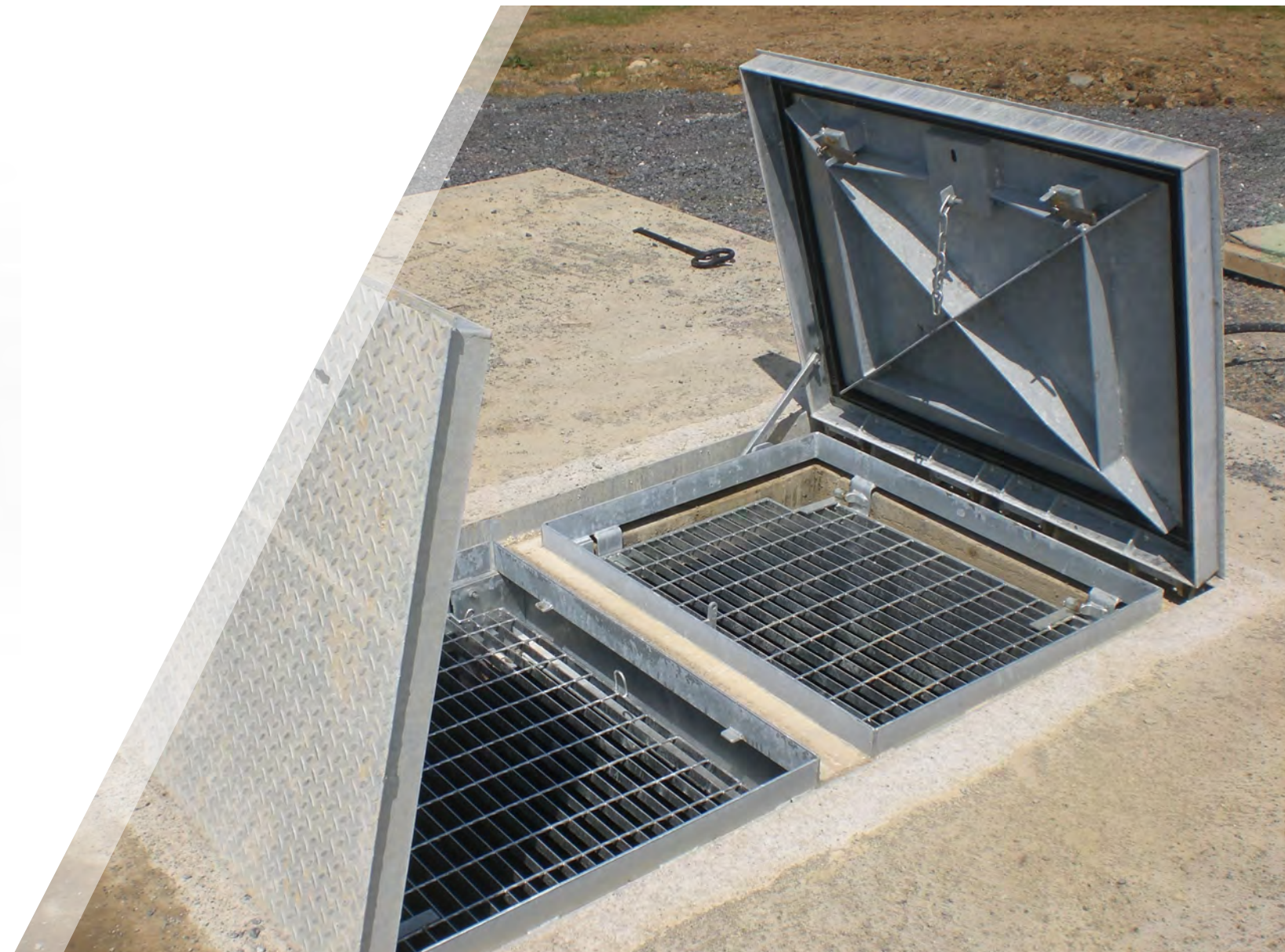
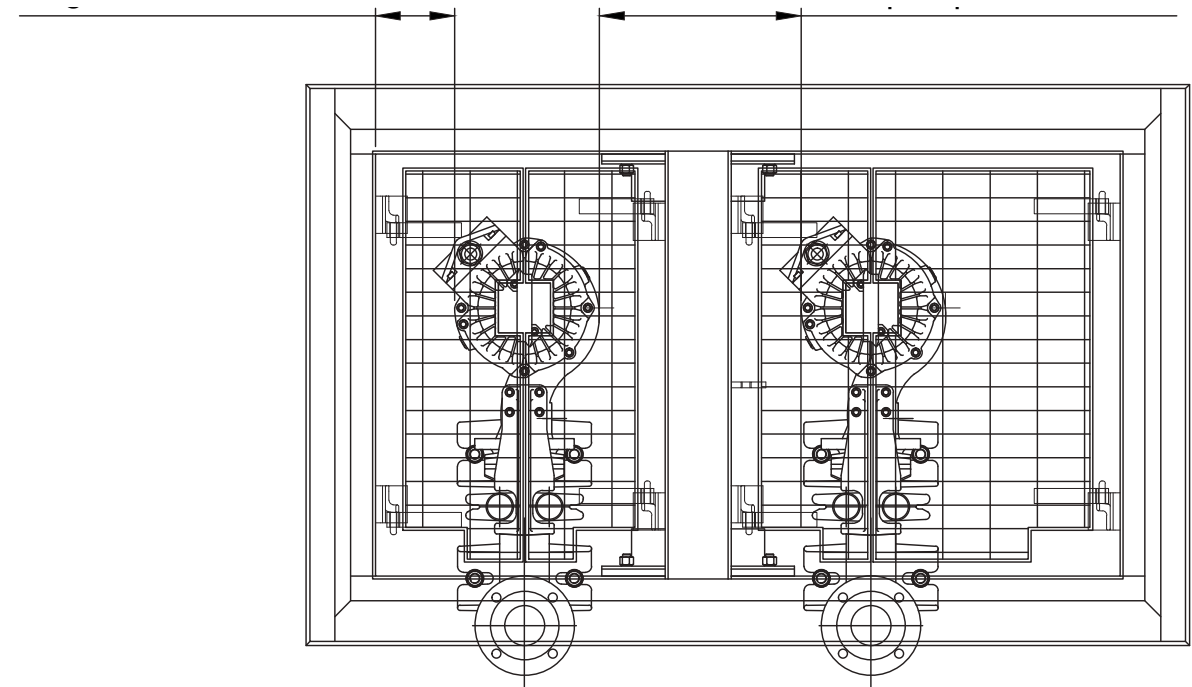
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And are hot-dip galvanised in accordance with BS EN ISO1461

## Pump Spacing Drawing

Min Distance pump edge to frame 70mm

Min Distance between pumps 275mm



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## Driven by Innovation

Cubis is Europe's leading manufacturer of network access chamber and ducting systems, used in the construction of infrastructure networks for rail, telecoms, water, construction and power markets.

Cubis has developed an innovative approach in an old-fashioned industry. This has been achieved by developing quality products which replace traditional construction materials, like bricks and concrete, with lightweight plastics incorporating intelligent design features. These can then be installed faster and ultimately save our customers both time and money.

Cubis manufactures preformed network access chamber systems STAKKAbOX™, AX-S™ access covers, MULTIduct™ multiple duct system and PROtrough cable trough at its manufacturing sites throughout the UK and Ireland these products are exported to more than 25 countries throughout the World.

At Cubis we pride ourselves on delivering technical customer support, new innovation, product quality and the highest levels of customer satisfaction.

