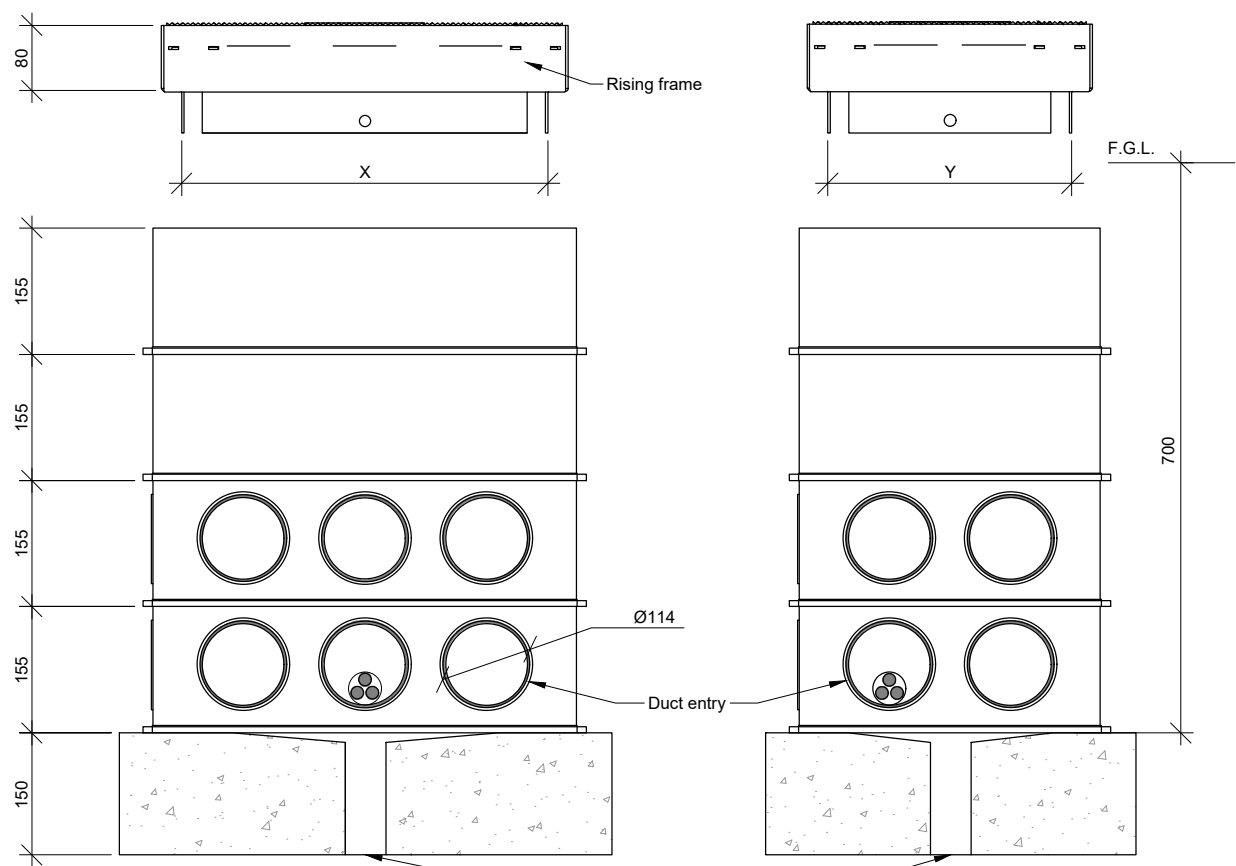


Notes

© Crown Copyright and database rights 2023 AC0000849432

- All dimensions in millimeters.
- The dimensions (X,Y) of the duct inspection chamber to be specified on the construction drawing.
- The Highland Council's Street Lighting Section will supply the chambers.
- The duct inspection chamber shall be constructed from 33mm thick high strength polypropylene and black in colour. The chamber shall consist of separate 155mm interlockable sections. The chamber shall be made of one duct access section and blank risers, two in a footpath/verge and three in a carriageway.
- The duct inspection chamber lid shall be made from high strength polyester composite material and shall conform to BS 497 Grade B 12.5 tonne. The required colour shall be black.
- The lid shall locate into 2.5mm thick galvanized adjustable steel frame allowing for height and tilt adjustment.
- A 150mm thick ST5 concrete base should be laid as a foundation for the chambers. The sides should be backfilled with as dug material (where suitable compaction can be achieved).
- The base shall be chamfered and have a 100mm gap for drainage provision.
- Backfill- the interlockable units have been designed not to be reliant on a structural concrete surround for their strength and can therefore be installed using the following backfill designs.
 - As dug material - in order to use as dug material for backfill purposes the contractor must be satisfied that the material needs to reach the correct compaction values and must be free from sharp stones.
 - If the native sub-soil is not suitable for use then imported granular material should be placed around the chamber instead and compacted.
 - The use of a 150mm concrete surround is also acceptable, but not necessary in most cases.
- The ducts shall be manufactured from UPVC, 100mm internal diameter smooth bore and marked with the legend "Traffic Signals" or "Street Lighting" in 9mm high white lettering. All ducts shall be finished flush with the internal face of the chamber.

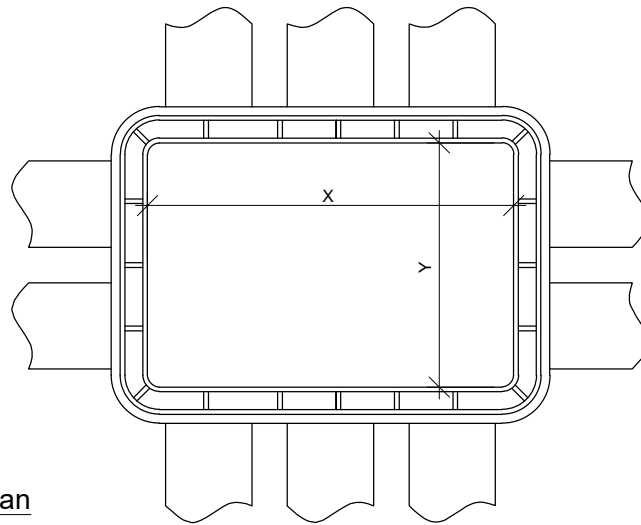
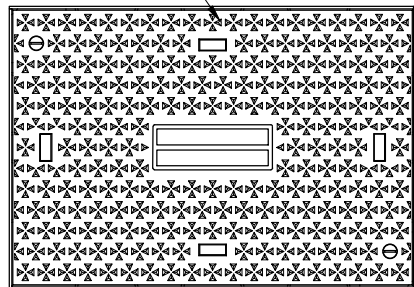


Front view

Side view

Drainage duct
See Note 8

B125 or C250 Composite
Cover C/W High top frame



Plan

Revision Details			
Drawn by	Checked by	Checked Date	Surf.



Project: Standard details. Series 1400:
Electrical work for road lighting and traffic signals

Title: **Duct access chamber**

Scale (at A4): **Not to scale**

Drawn	JC	Date	05/2024
Checked	CHK	Date	06/2024

Drawing No:	SD/1400/07	Rev:	1
-------------	------------	------	---