



Installation Guide (Bolting to Welded Masonry Support)



Installation tools and information required



Torque Wrench



Spanner



PPE



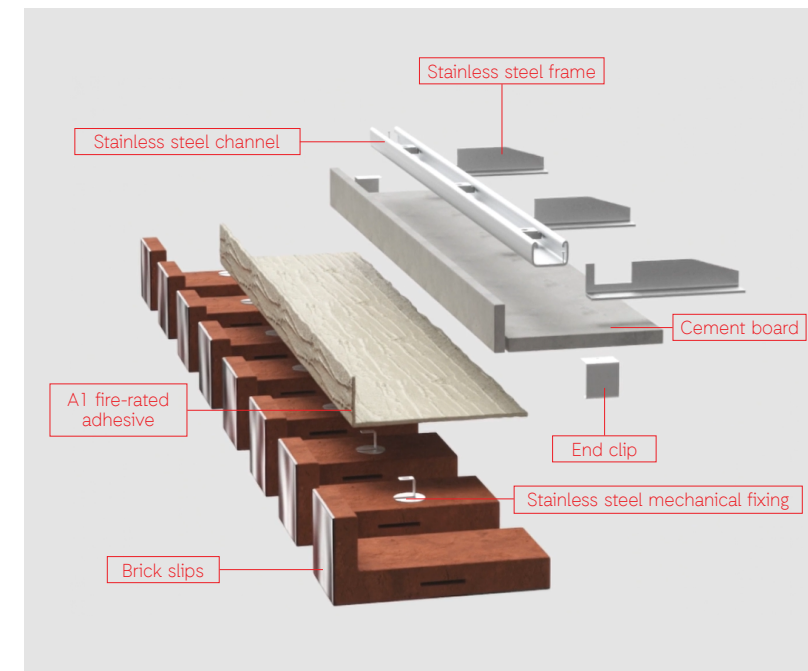
Construction Issue Drawings

Introduction

B.O.S.S. A1 is a carbon neutral, prefabricated brick slip soffit system designed to be quickly and easily bolted to IG's Welded Masonry Support (WMS) to create spectacular brick soffits. B.O.S.S. A1 units can also be bolted to steel lintels (see alternative installation instructions for this method).

Channels, frames, end clips and mechanical fixings are manufactured from 304/304L Austenitic Stainless Steel (1.4301/1.4307) and 316/316L (1.4401/1.4404) on request. Units are bonded with an A1 fire-rated adhesive.

For any support required, contact our technical team support@igmss.co.uk



Safety



While IG B.O.S.S. A1 units are easy to handle the components are produced from sheared plates and may have sharp edges. Care must be taken when handling units and suitable workwear should be worn at all times.

When lifting or carrying B.O.S.S. A1 units, you should undertake a personal risk assessment paying attention to the size and weight of the product which is clearly detailed on each product label and pallet delivered. To avoid lifting strains and product damage all units must be lifted by at least two people or alternatively by mechanical means.

Do not use or install damaged B.O.S.S. A1 units.

Storage

Unpointed brick slips are fragile therefore B.O.S.S. A1 units must be stored correctly in a level and cordoned-off area so that they are visible. Care must be taken when unwrapping the delivered product. All goods must be opened and inspected immediately after delivery. Any irregularities must be reported in writing, within 5 days of delivery to IG Masonry Support.

The manufacturer recommends that the goods onsite should be covered. This cover and protective wrapping should only be removed before installation.

Disposal

The B.O.S.S. A1 units steel and brick components are fully recyclable, minimising waste and reducing its carbon footprint at the end of its service life. Thermal Shims should be safely disposed of in landfill.



To achieve the design capacity of B.O.S.S. A1, each unit must be installed in the correct manner.

Pre-installation check

B.O.S.S. A1 requires IG's Welded Masonry Support (WMS) units to be installed across the opening first. Before installing B.O.S.S. A1, ensure you have followed the relevant installation instructions for WMS which can be found at igmasonrysupport.com/resources/installation-guides/

B.O.S.S. A1 units can then be bolted to the underside of IG's WMS.

Note: It is recommended that B.O.S.S. A1 units are pre-pointed on the ground before installing.

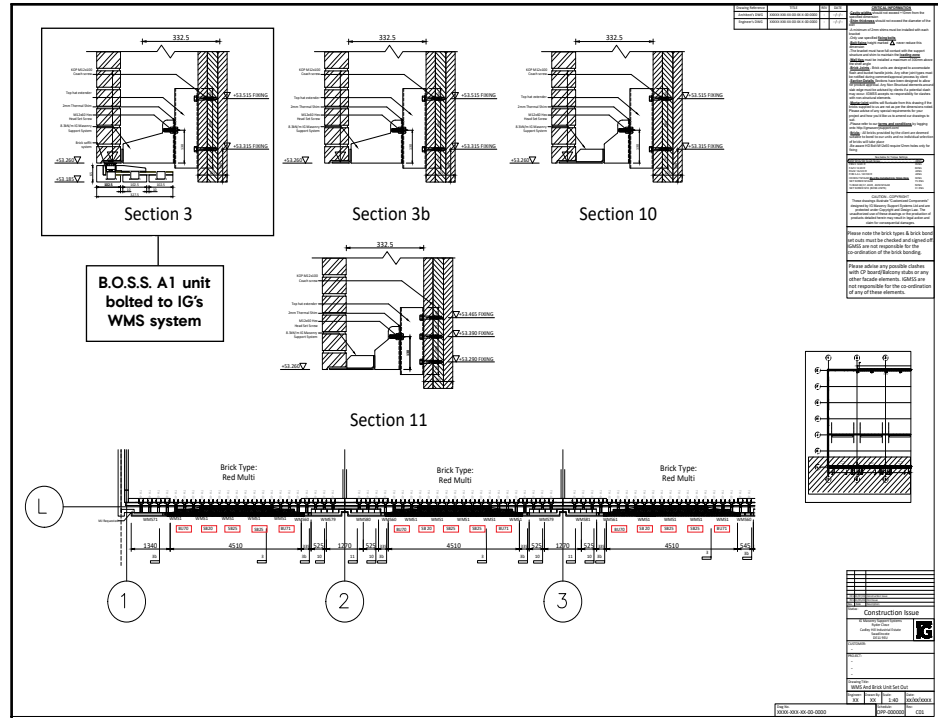


2

Review Construction Issue Drawings

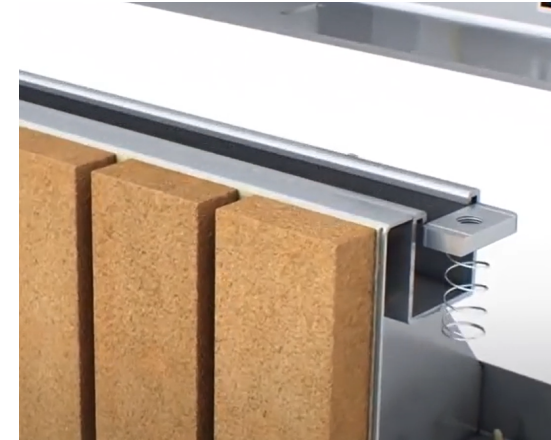
Use the Construction Issue Drawings provided by IG Masonry Support to install each B.O.S.S. A1 unit in the correct location.

Note: The reference number (example highlighted in this drawing) correlates to the same reference number shown on the printed label on each unit.

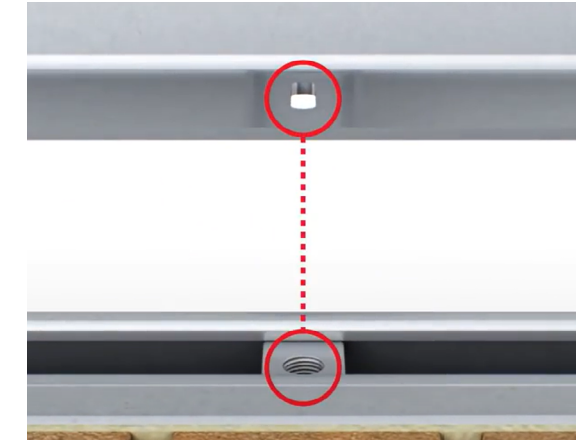


3

Insert spring nuts and align



Insert spring nuts via the channel and align them to the centre of the slotted holes on the WMS system.



Note: Two spring nuts should be used to support each B.O.S.S. unit, placed as close to the ends of the channel as possible.

4

Offer up B.O.S.S. unit



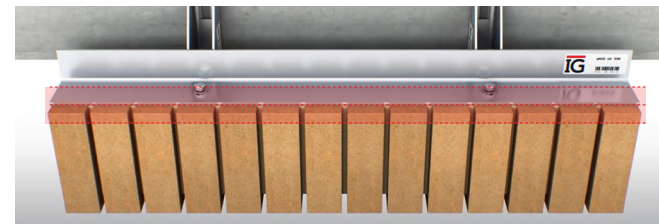
Offer up the B.O.S.S. A1 unit up to WMS and insert bolt through slotted hole on the horizontal shelf, picking up the prepositioned spring nut in the channel.

Simply tighten the bolts by hand for now to allow further adjustment.

5

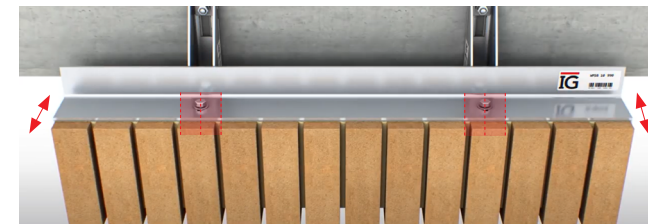
Make adjustments as required and level

Adjust the B.O.S.S. A1 unit to the desired location.



Horizontal adjustment

Horizontal adjustment can be achieved by utilising the channel on the B.O.S.S. unit and simply moving the unit from left to right.



Lateral adjustment

Lateral adjustment can be achieved by utilising the slotted hole on the WMS system. At this point, the nut should only be finger tight therefore adjustments can be made easily.

Note: The dimension from the face of the brick to the toe of the shelf angle should not exceed 32mm.

6 Torque bolts

Torque bolts to 20Nm to fix B.O.S.S. A1 unit into position.

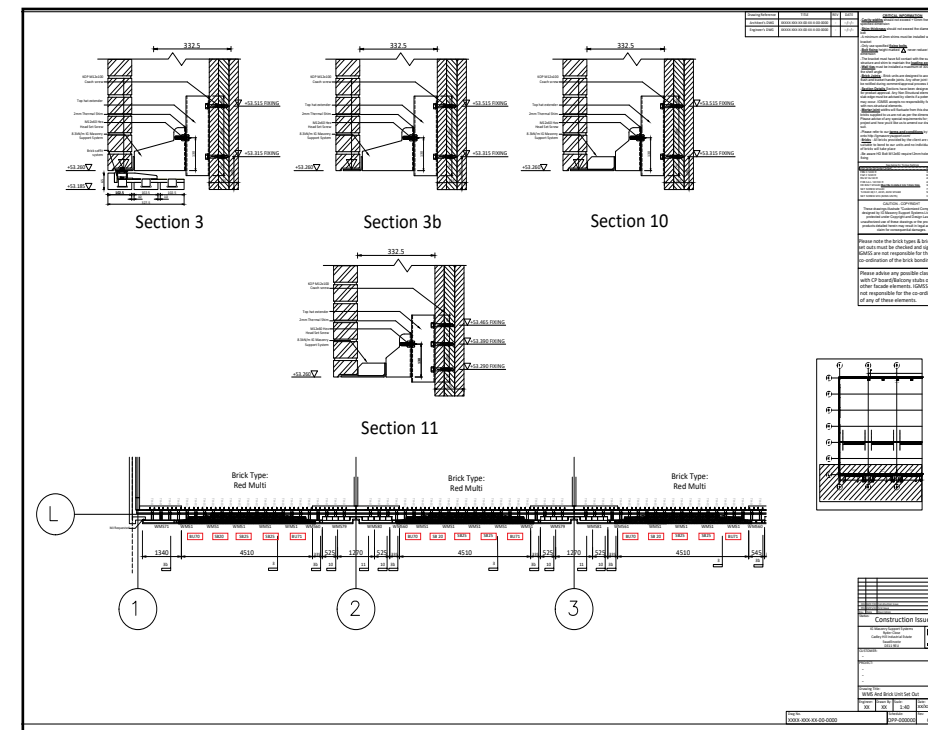


7 Locate and install neighbouring units

Use the Construction Issue Drawings provided by IG Masonry Support to locate the neighbouring B.O.S.S. A1 units.

Note: The reference number (example highlighted in this drawing) correlates to the same reference number shown on the printed label on each unit.

Install all neighbouring units following the same step-by-step installation process and ensure you leave the specified mortar gap between bricks on face and soffit.





Position compressible filler to underside of horizontal support shelf. Maintain a 2mm space above the filler and install pistol bricks above masonry support shelf.

Build a maximum of 1.5m of brickwork on the shelf until the mortar has cured (1-2 days dependent on weather conditions) before continuing with further brickwork.

This concludes the installation of B.O.S.S. A1. Continuation of higher-level brickwork can commence.

The IG Masonry Support technical team are on hand to provide support when installing B.O.S.S. A1. To receive support, please call +44 (0)1283 200 157 or email support@igmss.co.uk

Additional installation materials



For a video Installation Guide, please visit igmasonrysupport.com or scan the QR code. Alternatively please refer to the supporting documentation supplied with this guide.

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