

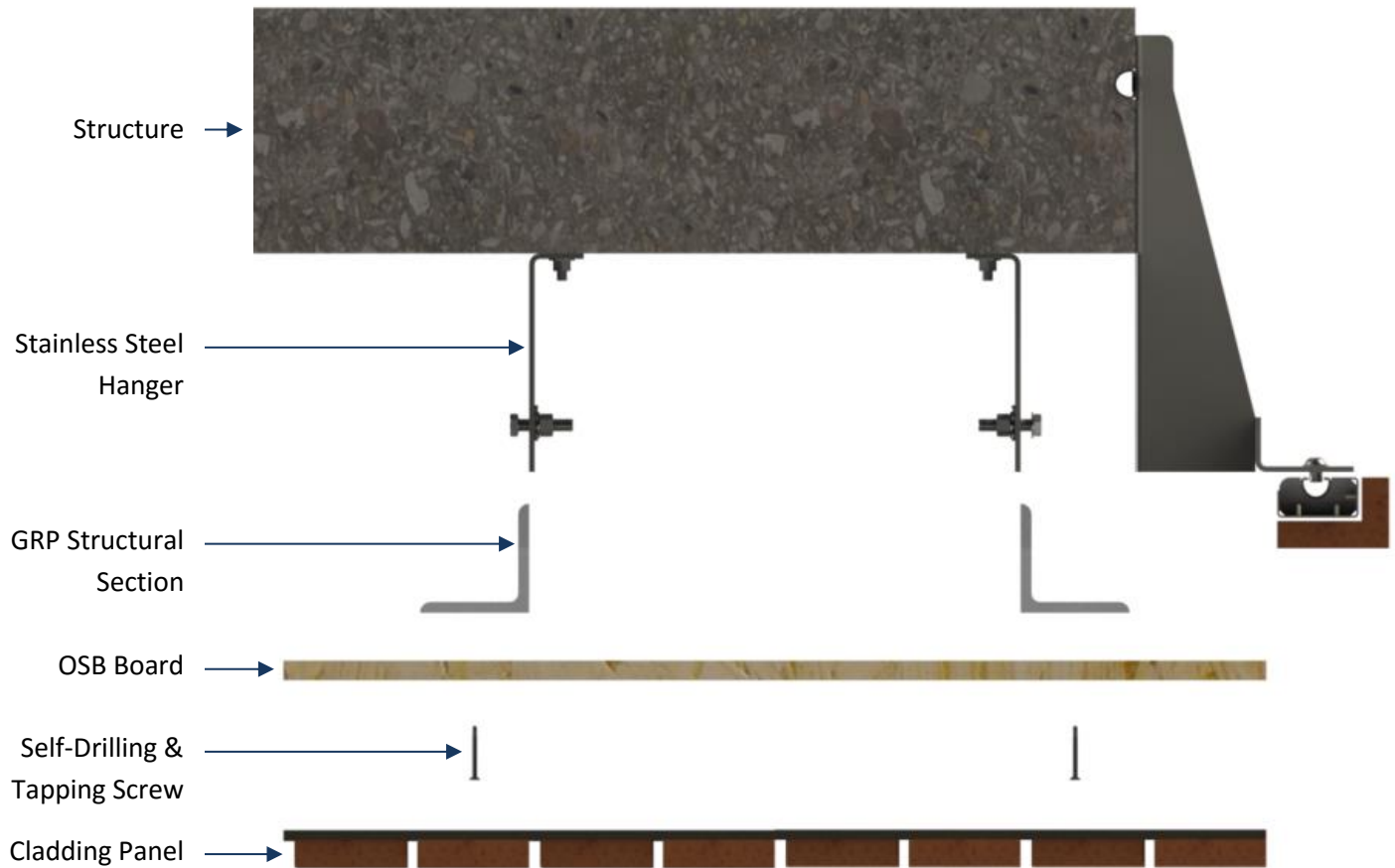
ACS Azure Deep Soffit System



Azure: Deep Soffits

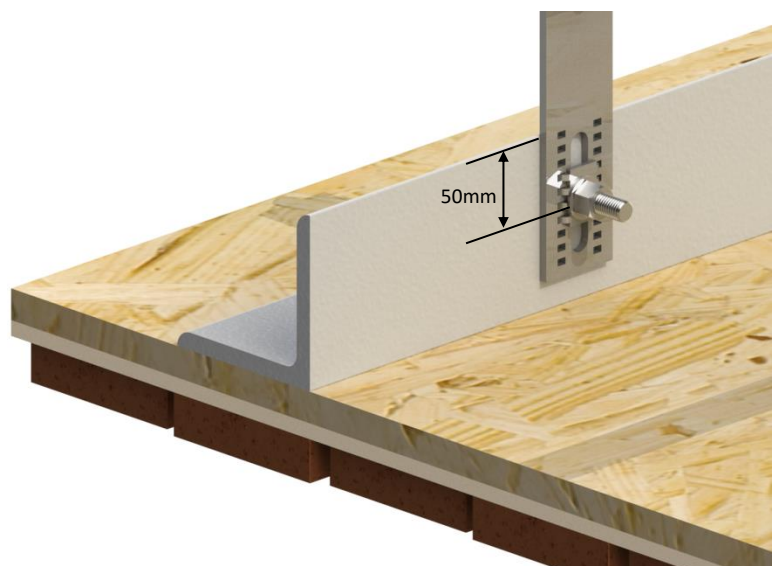
The ACS Azure Deep Soffit System comprises specially designed adjustable hanging straps and GRP structural sections onto which OSB or Marine Ply Boards can be fixed to create a suspended soffit. Brick slip cladding panels can then be quickly and easily fixed into the suspended timber boards to create large brick clad soffit reveals.

Components



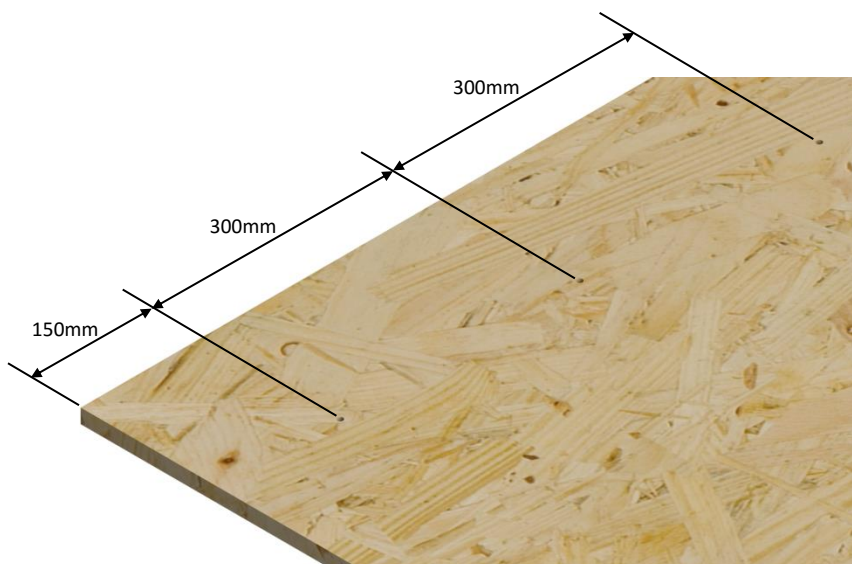
Adjustment

A 14mm diameter hole must be drilled no closer than 50mm from the top edge of the GRP angle. The angle can then be fixed to the hangers using an M12 set screw and the ACS Alpha adjustment system which allows +/- 26.5mm of vertical tolerance to be accommodated. The Alpha system combines a toothed washer and a slot with corresponding holes into which the washer teeth are designed to engage, setting the system in place at the required level.



Fixing & Installation

Once the hangers and GRP rails have been installed and the required line and level of the rails is set, the suspended boards can be fixed up to the rails using ACS countersunk self-drilling and tapping screws. The first step in installing the board is to pre-drill 5.5mm clearance holes in the suspended boards at the predefined centres. The spacing is defined by project and site specific calculations which will be produced by ACS but is typically around 300mm (as illustrated).



The pre-drilled boards can then be lifted into place and propped if required. The self-drilling and tapping screws are inserted into the clearance holes into the boards and then driven up into the GRP angle to fix the board into position.



ACS GRP Self Drilling & Tapping Screw

Component	Feature	Limiting Dimension
Stainless Steel Hanger	Maximum Centres	600mm
GRP Self-Drilling & Tapping Screw	Maximum Centres	300mm
GRP Self-Drilling & Tapping Screw	Minimum Edge Distance	25mm
GRP Rail	Maximum End Cantilever	300mm
GRP Rail	Set Screw Minimum Fixing Edge Distance	50mm

