

GLASS ORIEL WINDOW,  
MAPLEDENE ROAD,  
LONDON, BY PLATFORM  
5 ARCHITECTS

The oriel window (see page 26) is detailed to give the impression of a precise abstract glass box poking through the rough London Stock brickwork. The seat is given enough depth so that at least two people can sit alongside each other and enjoy the garden while feeling part of the house. The structural engineer designed a Z-shaped steel frame that is fixed back to the locally thickened ground slab and cantilevers through the external wall to pick up the structural glass.

Cold bridging is minimised by applying continuous insulation to the inside of the steel work. The junctions between the glass, brickwork and plasterboard are carefully detailed to hide the aluminium support angles. Pistol bricks are used at the window head to hide the lintel. Glass-to-glass joints are constructed with structural silicone. The double-glazed units are stepped to minimise sight lines on the glass-to-glass joints and to give a continuous reflective surface over the structure. *Patrick Michell, partner, Platform 5 Architects*

