

Mapledene Road, London  
 Architect: Platform 5 Architects  
 Cost: £190,000

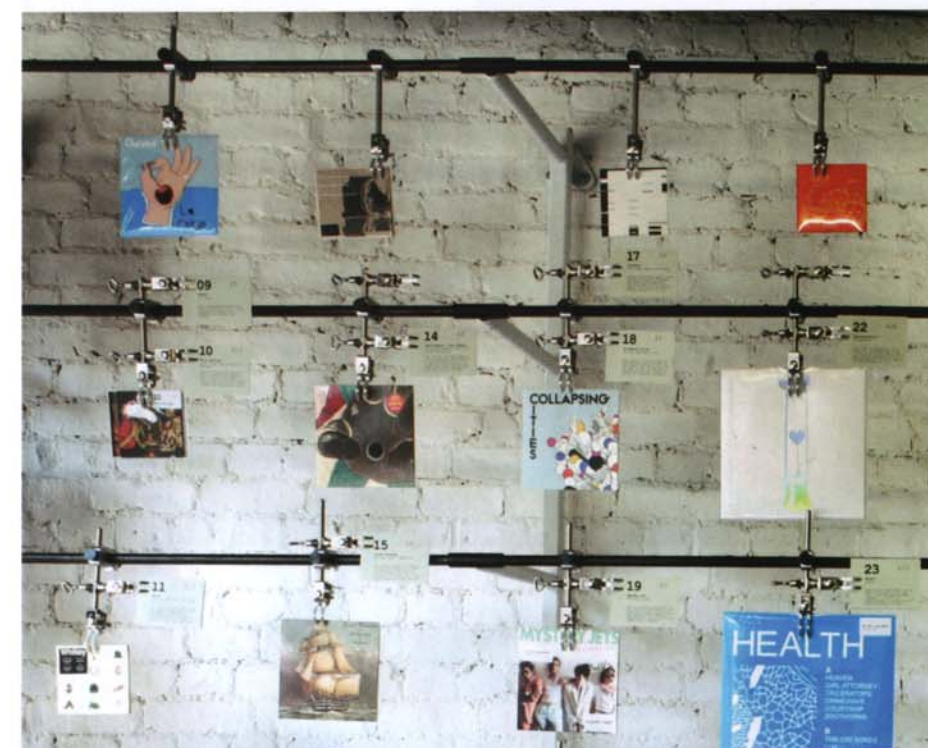
This rundown property had been stripped of virtually all its period features and was used as a crack den. Platform 5 Architects opened up the cellular ground floor with an extension to the rear, allowing spaces to flow into each other and the garden. A glass oriel window (see page 38 for a detail) lined with cherry wood projects into the garden and corresponds with the Victorian bay window facing the street. The expansive glass roof over the kitchen opens up the view to the sky. In the kitchen, overheating and glare is managed by shading from the surrounding buildings and trees, high thermal mass, the use of solar control glass and blinds.



Left Exploded diagram of components for Mapledene Road  
 Below The oriel window projecting into the garden

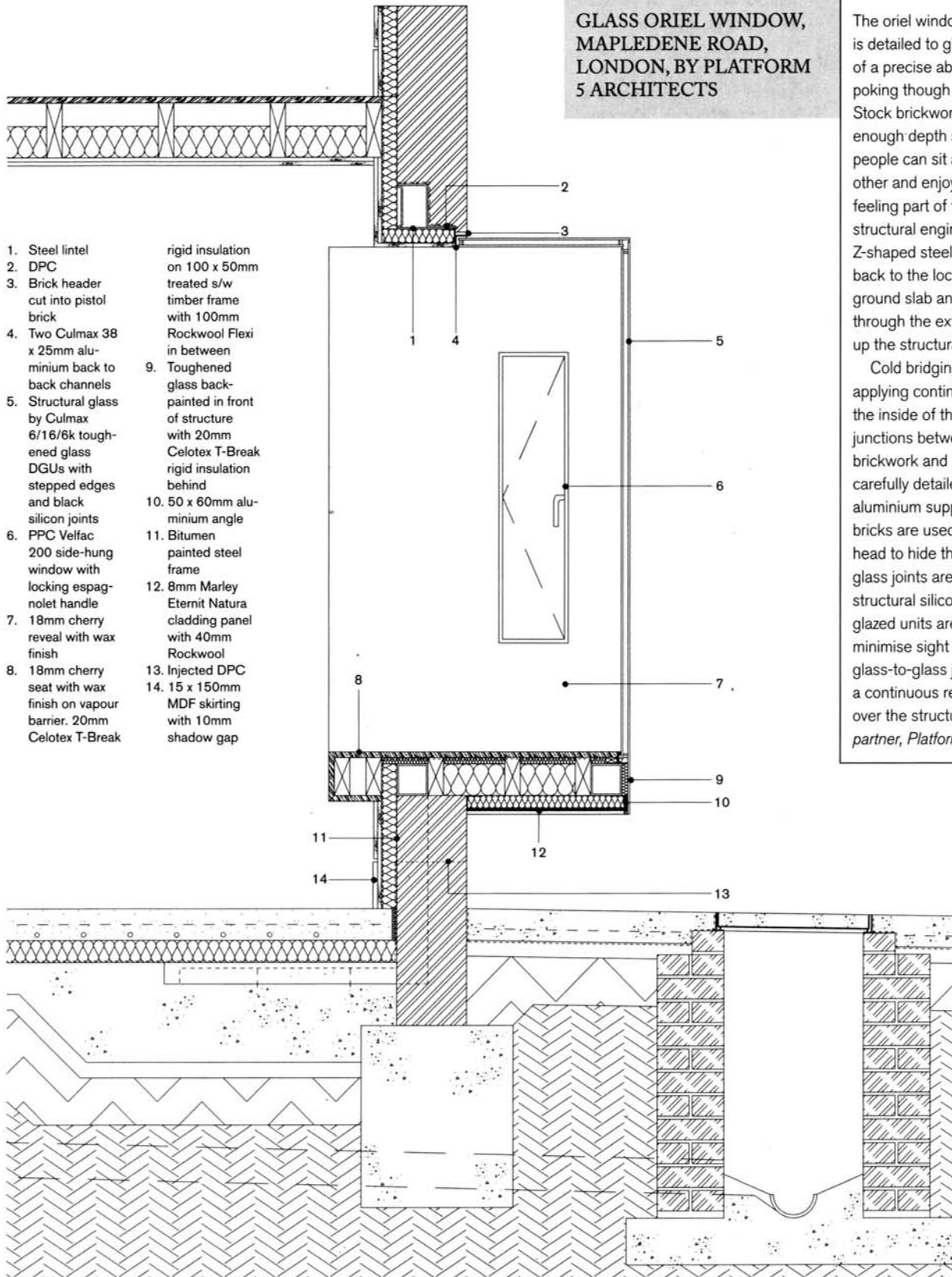


This page Bespoke display units and the flexible interior of Pure Groove, with the Pure Groove Top 100 (above)



Pure Groove, London  
 Architect: Threefold Architects  
 Cost: £182,000

This new shop for an established independent record label uses a series of bespoke architectural insertions to create a dynamic and exciting space, flexible enough to be transformed from a store into a gallery, cinema or music venue for live bands. The key display component is the Pure Groove Top 100, a bespoke display of 100 items created from a series of five steel rails that wrap around the walls of the shop, with 100 items suspended by laboratory clamps (see page 35 for a detail).



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

- 1. Steel lintel
- 2. DPC
- 3. Brick header cut into pistol brick
- 4. Two Culmax 38 x 25mm aluminium back to back channels
- 5. Structural glass by Culmax 6/16/6k toughened glass DGUs with stepped edges and black silicon joints
- 6. PPC Velfac 200 side-hung window with locking espagnolette handle
- 7. 18mm cherry reveal with wax finish
- 8. 18mm cherry seat with wax finish on vapour barrier. 20mm Celotex T-Break
- rigid insulation on 100 x 50mm treated s/w timber frame with 100mm Rockwool Flexi in between
- 9. Toughened glass back-painted in front of structure with 20mm Celotex T-Break rigid insulation behind
- 10. 50 x 60mm aluminium angle
- 11. Bitumen painted steel frame
- 12. 8mm Marley Eternit Natura cladding panel with 40mm Rockwool
- 13. Injected DPC
- 14. 15 x 150mm MDF skirting with 10mm shadow gap

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*