

**FLAT ROOF CONSTRUCTION**

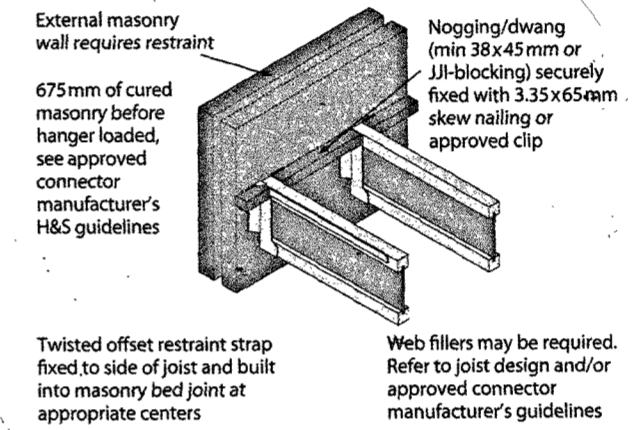
Glass reinforced plastic (GRP) system with a current BBA or other approved accreditation on 22mm external ply structural plywood decking or other approved on furring strips at 1 in 60 minimum gradient on composite engineered timber roof joists type JJI-245 D as supplied by James Jones and Sons Ltd. or similar approved supplier. Joists to be set at maximum 400mm centre centres.

Insulation to comprise Celotex FR5000 220mm friction fixed between joists over 12.5mm vapour checked plasterboard with 3mm plaster skim if required. Minimum U value : 0.13W/m<sup>2</sup> Deg C

Joists to be drilled at 300mm centres above the level of the insulation for cross ventilation

Include tray DPCs and code 4 lead flashings where new roof abuts the existing external acity wall. Include tiliting fillets at roof verges

**F10 WALL RESTRAINT, BLOCK WALL HANGER SUPPORT**



Eaves ventilation as specified.

Proposed external finish to be waterproof sand cement render with masonry paint finish over facing brickwork

Hyload horizontal DPCs are to be continuous with the existing DPCs.

**RADON PROTECTION**  
The RADON REPORT is to be consulted to confirm the level of protection that is to be included in the new wall/floor construction.

HEADROOM TO SUIT  
HEADROOM TO PROPOSED SUSPENDED CEILING 3.500m

Proposed FFL to match existing Durable floor covering of Clients choice

Existing suspended ceiling level in adjacent shop

Existing steelwork supporting opening between the existing shop and the rear stockroom etc. is to remain.

Existing shop FFL

Foundations are to be taken below the invert levels of any new or existing drainage runs.

**NEW WALL FOUNDATIONS**  
On exposure of the formation level the CBR of the exposed ground is to be assessed by a structural engineers who will design a suitable foundation prior to wall construction if required by building control.

**Cross section 01-01**  
SCALE 1:25

**Specification for building works**  
Numbered notes indicated thus (3) refer to sections in the Specification for Building Works that is to be read in conjunction with the working drawings.  
Revisions \_\_\_\_\_

Proposal \_\_\_\_\_  
**Single storey rear extension**  
Address \_\_\_\_\_  
**87b and 87c Commercial Street**  
**Newport**  
Classification \_\_\_\_\_  
**Proposed cross section/specification**  
Drawing number \_\_\_\_\_  
**1087(04)24**