

58-66 King St, Manchester

Secondary glazing – Installation methodology

Scope of works – Install new acoustic secondary glazing powder coated aluminium windows with timber sub-frames to reveals on all existing windows on levels 1,2 & 3

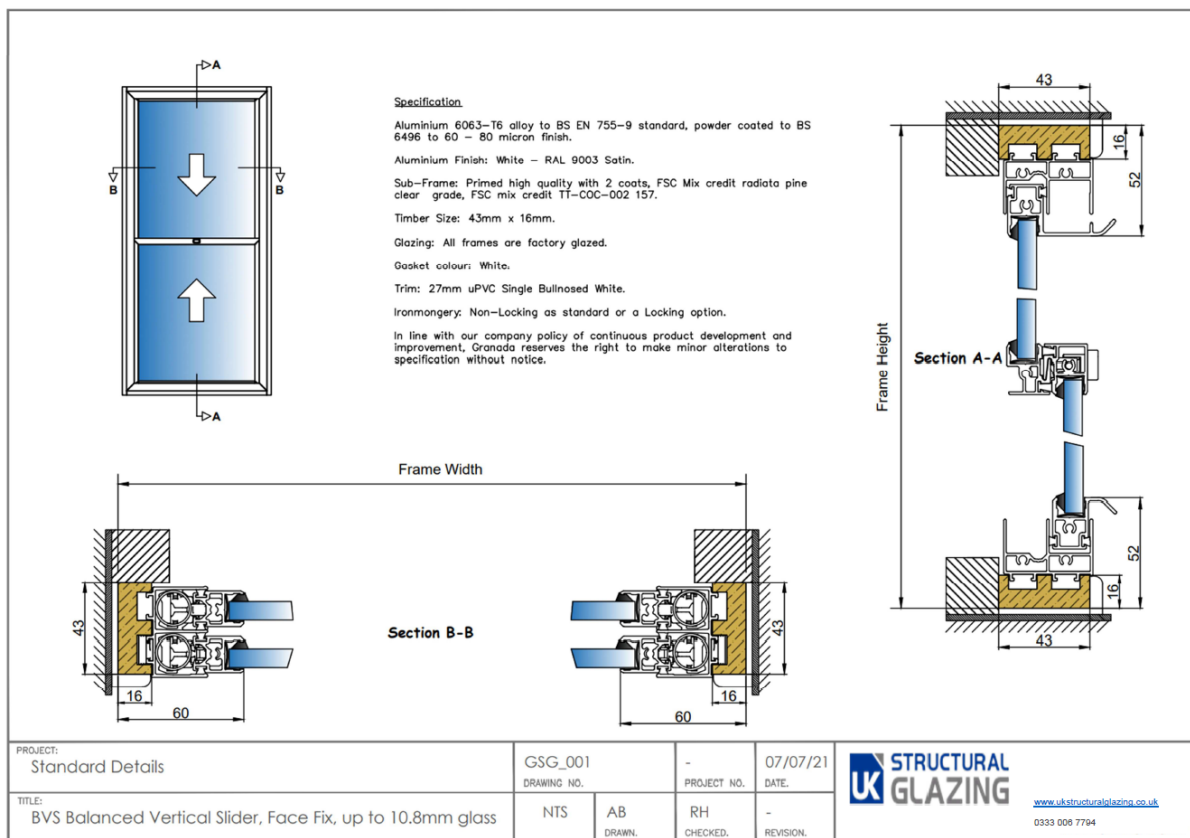
Aluminium system: Granada Secondary glazing system – Comprising of BVS balanced vertical sliders/ HU-R Hinge unit, side fix/ LO Lift out, side fix. Powder coated Black

Glass specification: 6.8mm Acoustic clear laminate low e

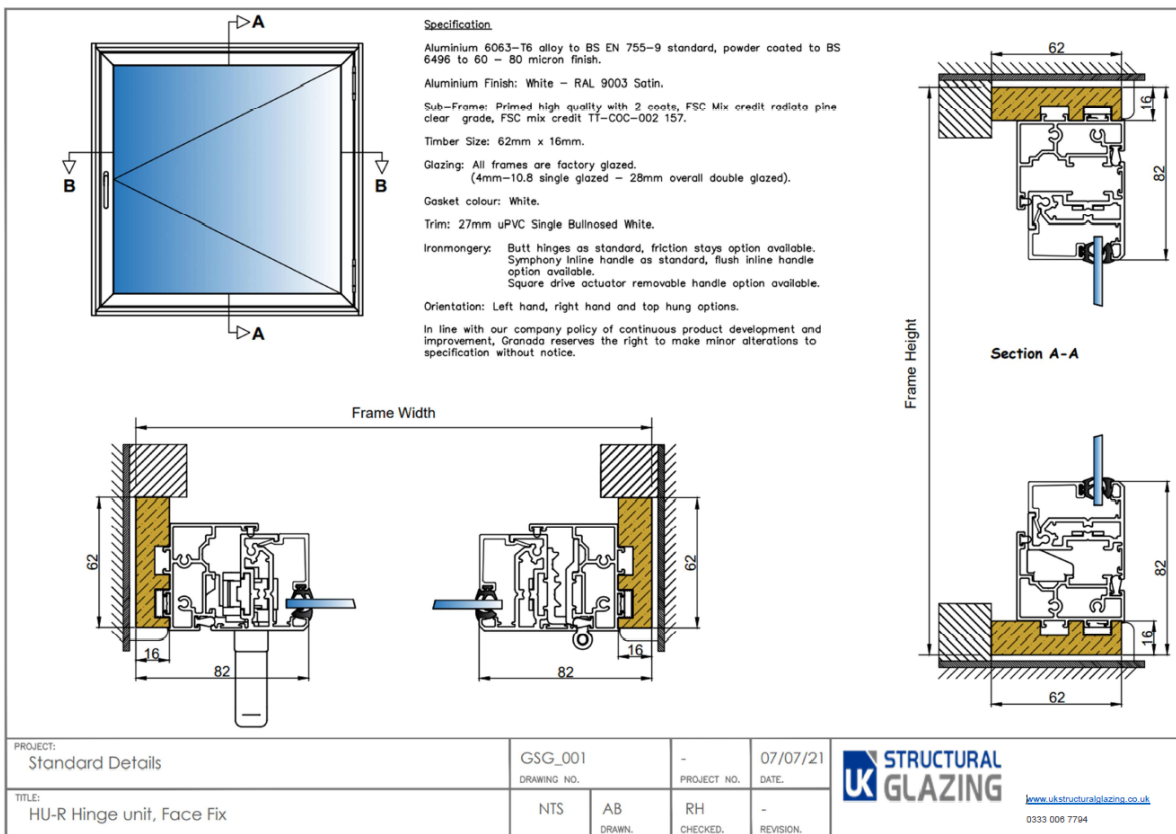
Acoustic Performance: Based on the new secondary windows being install between 150mm-200mm away from the existing windows. The glazing will achieve between 40d – 43d Acoustic rating (R,db).

Thermal Performance: The new secondary glazing will achieve a U Value of between 1.4-1.5/(m2K) depending on the layout of the window. This will be approx. a 70% improvement on the existing windows installed.

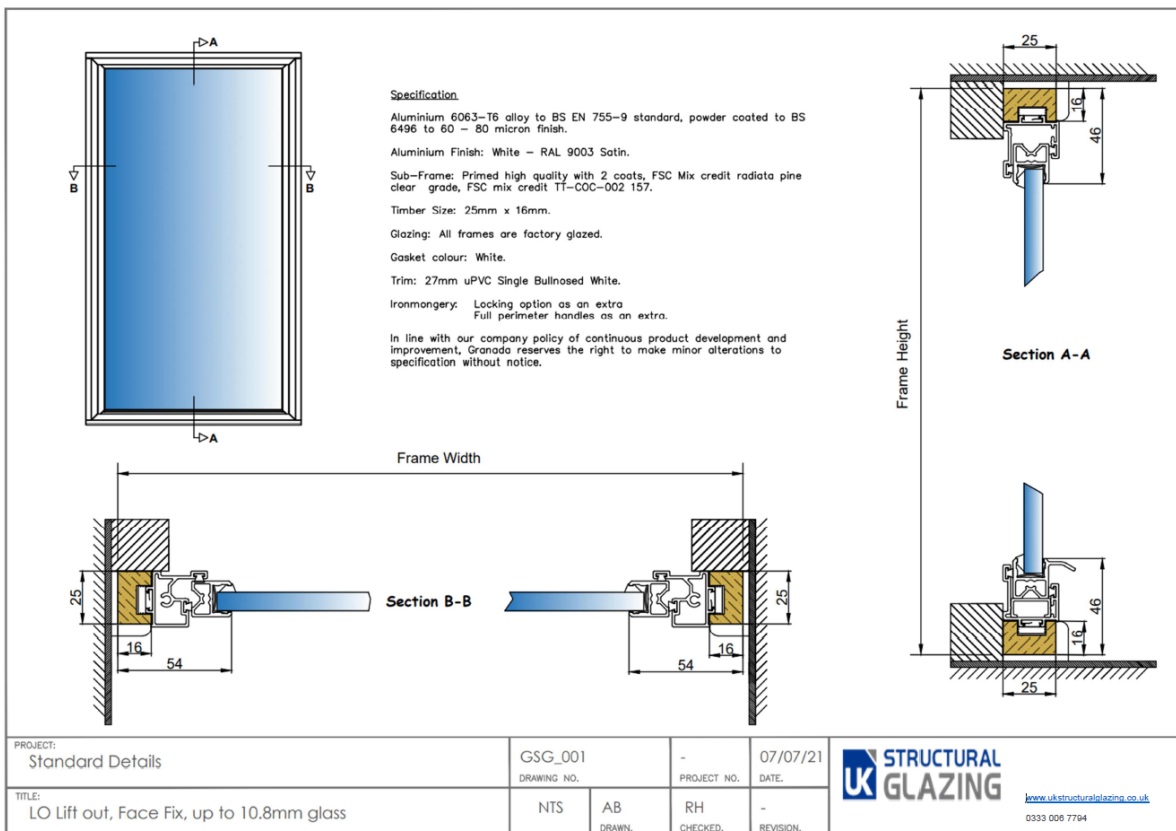
Typical new window layouts



BVS Balanced Slider



HU-R Hinge unit



LO Lift out

Installation of new secondary windows

The secondary glazing window frames will generally be side fixed into the internal window reveals, between 150mm-200mm away from the inside of the existing window. This is the recommendation from the manufacturers.

The window reveals prior to being plaster boarded have had 18mm ply install at the back to ensure a solid fixing point for the windows to be screwed into. The frames will sit directly onto the new window cills at the bottom and be levelled, packed and fixed around all four sides.

Note: not all the window reveals are plumb and level! Tolerances vary from 1-10mm on some windows. The gaps around the perimeter of the windows will be filled with decorator's caulk and painted into the edge of the window.