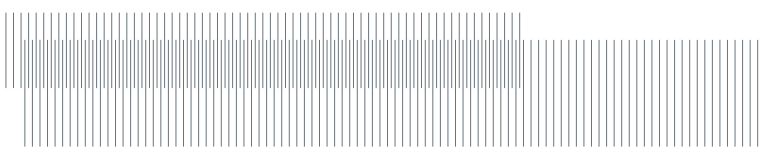
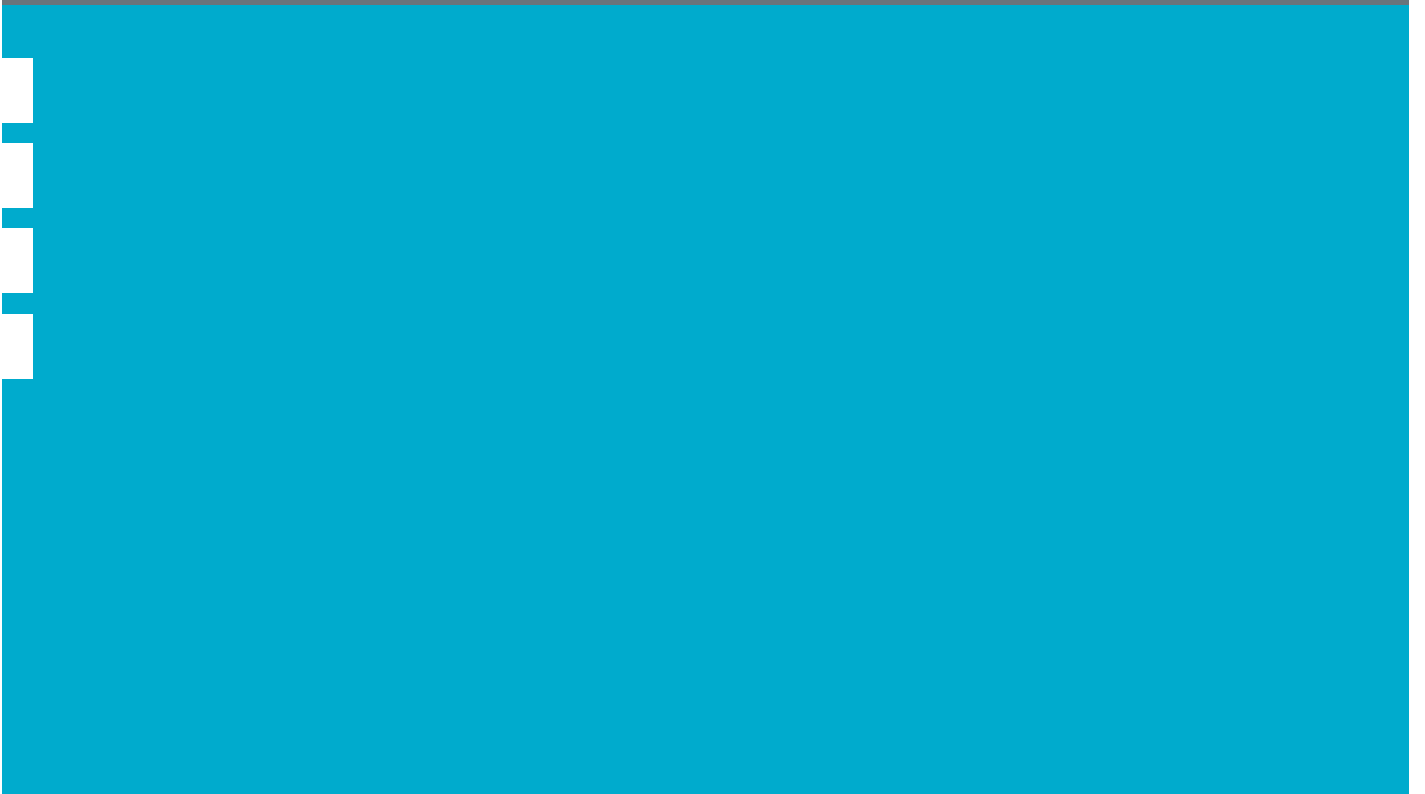
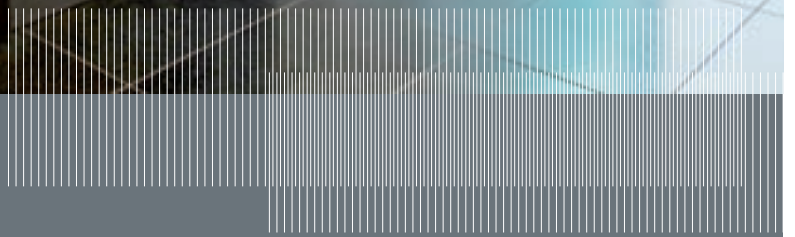




# Revolution

Workspace redefined



# REVOLUTION

**Revolution** from Optima is a stunning mullion-free system that combines design excellence with high performance. Available in both 97mm and 69mm, Revolution achieves excellent acoustics.

The 97mm version is designed to be the same width as our Advanced Drywall and Futurewall systems, whilst our 69mm version is designed to sit flush with our double glazed door.

Both double glazed versions can be combined with any of our dry joints including clear PETG, flush aluminium or our virtually invisible patented Nebula™ joint.

Revolution 97 can be fully framed if that is the desired aesthetic, and also comes as a single glazed option.

These meeting rooms demanded a high level of acoustics and Revolution 97 was the ideal solution, being able to accommodate toughened or laminated acoustic glass. Here, our unique Nebula™ dry joints were used horizontally to stunning effect.



## Revolution

Workspace redefined

Our client wanted offices that were vibrant, fun and full of energy. Utilising single glazed Revolution 97 with coloured glass gave exactly the right impression, whilst running flush to the office side, enhancing the design aesthetic.



This major pharmaceutical company required maximum acoustic performance. We used Revolution 69 with double glazed doors in microflush aluminium frames to achieve this and ensure complete privacy. Flush aluminium dry joints and recessed head channel offered the highest level of detailing.

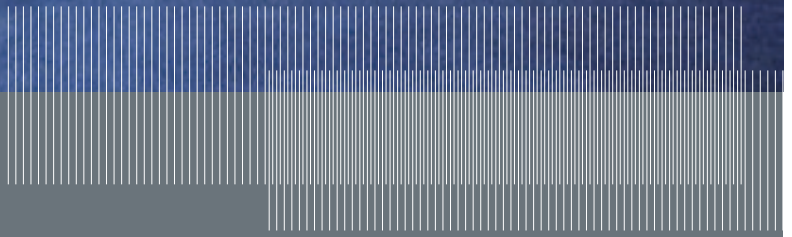


Our brief for the office of this major financial organisation was to propose a system that combined high performance with leading edge design. Revolution 69 with flush, double glazed pivoting doors was the obvious choice.



## Revolution

Workspace redefined



This project required both privacy and a feeling of depth and colour for these unique "glass box" meeting rooms. They were formed by using Revolution 69 with minimal Nebula™ glass to glass joints and the vertical bands of film made a real design statement.



## Optima Revolution Data

Revolution 97 (single and double glazed)	
Head detail	40mm x 97mm powder coated aluminium channel incorporating deflection head if required
Deflection allowance	+/-15mm as standard but head channel can be adapted to allow for greater levels of deflection
Base detail - options	25mm x 97mm powder coated aluminium channel 40mm x 97mm powder coated aluminium channel
Size of cavity	62mm
Glass thickness/height	10mm toughened glass = Up to 2.400m floor to ceiling height 12mm toughened glass = Up to 3.200m floor to ceiling height
Maximum panel width	1500mm, subject to access into building and weight of each pane of glass. Please consult our Technical Team before specifying.
Acoustics Single glazing	1 x 12mm toughened glass (with silicone to perimeter channels) = Rw32dB 1 x 12.8mm acoustic laminated glass (with silicone to perimeter channels) = Rw37dB
Acoustics Double glazing	2 x 12mm toughened glass (with acoustic foam to perimeter voids) = Rw40dB 1 x 12mm toughened glass + 1 x 12.8mm acoustic laminated glass (with acoustic foam to perimeter voids) = Rw44dB 1 x 12mm toughened glass + 1 x 12.8mm acoustic laminated glass (with silicone to perimeter channels) = Rw48dB
Revolution 69 (double glazed)	
Head detail	40mm x 69mm powder coated aluminium channel incorporating deflection head
Deflection allowance	+/-15mm as standard but head channel can be adapted to allow for greater levels of deflection
Base detail - options	25mm x 25mm powder coated aluminium floor angles 12mm x 19mm powder coated aluminium floor angles
Size of cavity	23mm
Glass thickness/height	10mm toughened glass = Up to 2.400m floor to ceiling height 12mm toughened glass = Up to 3.200m floor to ceiling height
Maximum panel width	1500mm, subject to access into building and weight of each pane of glass. Please consult Technical Team before specifying
Acoustics Double glazing	2 x 12mm toughened glass = Rw36dB 1 x 12mm toughened glass + 1 x 12.8mm acoustic laminated glass = Rw40dB

### Interpanel Joints

A clear PETG, flush aluminium or truly minimal patented Nebula™ jointing profile can be applied to the glass panels. Vertical or horizontal joints are available. The joint options aid relocatability, offering tax benefits to the client.

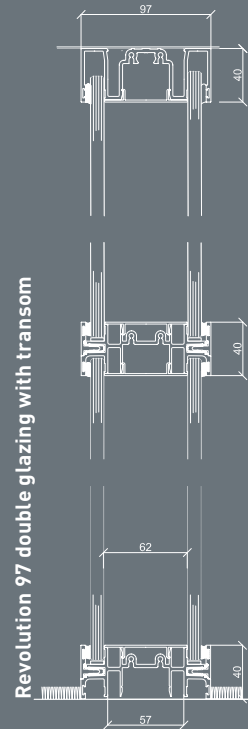
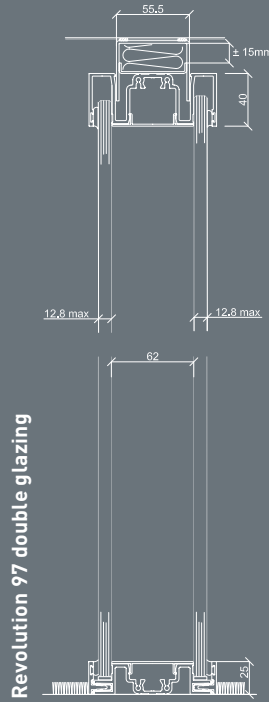
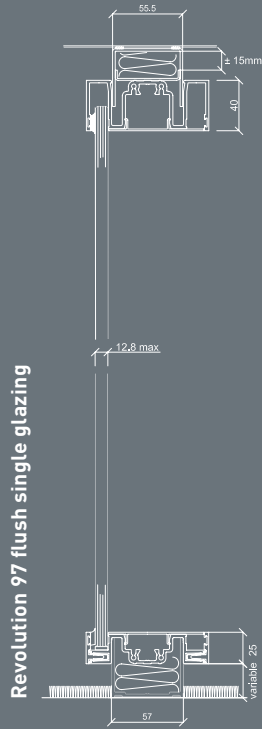
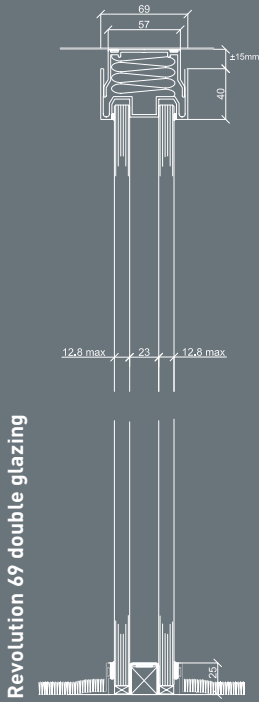
### Manifestation

Applied film, ceramic bake, digital printing or sand-blasted designs can be applied to the glass, providing the offices with a varying degree of privacy.

### Doors

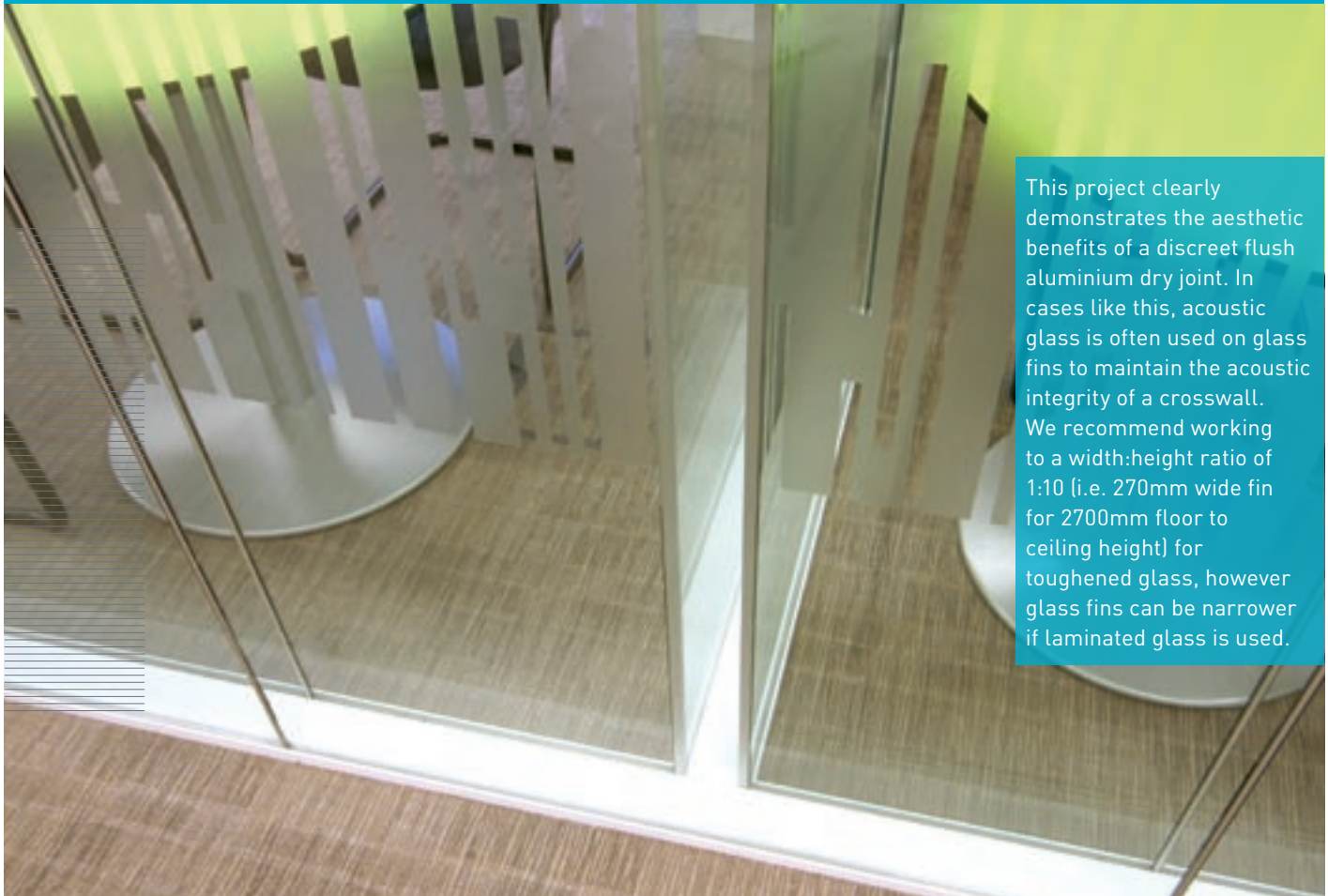
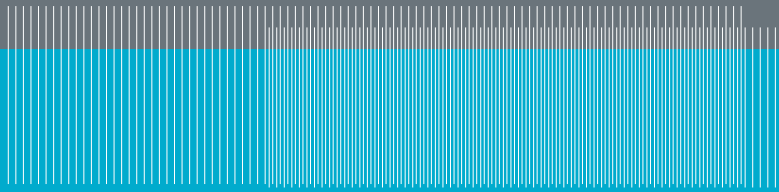
Both Revolution 97 and 69 can be used in conjunction with a wide range of Optima door types. Please ask our Technical Team for further details.

## Revolution Data



# Revolution

Workspace redefined



This project clearly demonstrates the aesthetic benefits of a discreet flush aluminium dry joint. In cases like this, acoustic glass is often used on glass fins to maintain the acoustic integrity of a crosswall. We recommend working to a width:height ratio of 1:10 (i.e. 270mm wide fin for 2700mm floor to ceiling height) for toughened glass, however glass fins can be narrower if laminated glass is used.

# Revolution

## Revolution

Workspace redefined