



Building and Construction Products

One Central Park, Sydney. Dream. Design. Deliver.

One Central Park Sydney, bringing landscape and structure together to help deliver architectural vision.

The building has incorporated into the design heliostats and reflectors to form both an architectural feature and a method of improving the light between the two building towers. The heliostats placement, on the shorter western tower, reflects sunlight up into a series of reflectors positioned under a steelwork structure cantilevering off the taller east tower.

3M's Technical Service worked with Tilt Industrial Designs to design a method for bonding the mirror finished aluminium composite panel reflectors & heliostats to the metal framing using VHB™ acrylic foam tape.

VHB™ Tape allowed the flexibility to bond the heliostats without the need to use mechanical fasteners thus maintaining the steel and panel coatings while still allowing for thermal expansion requirements.



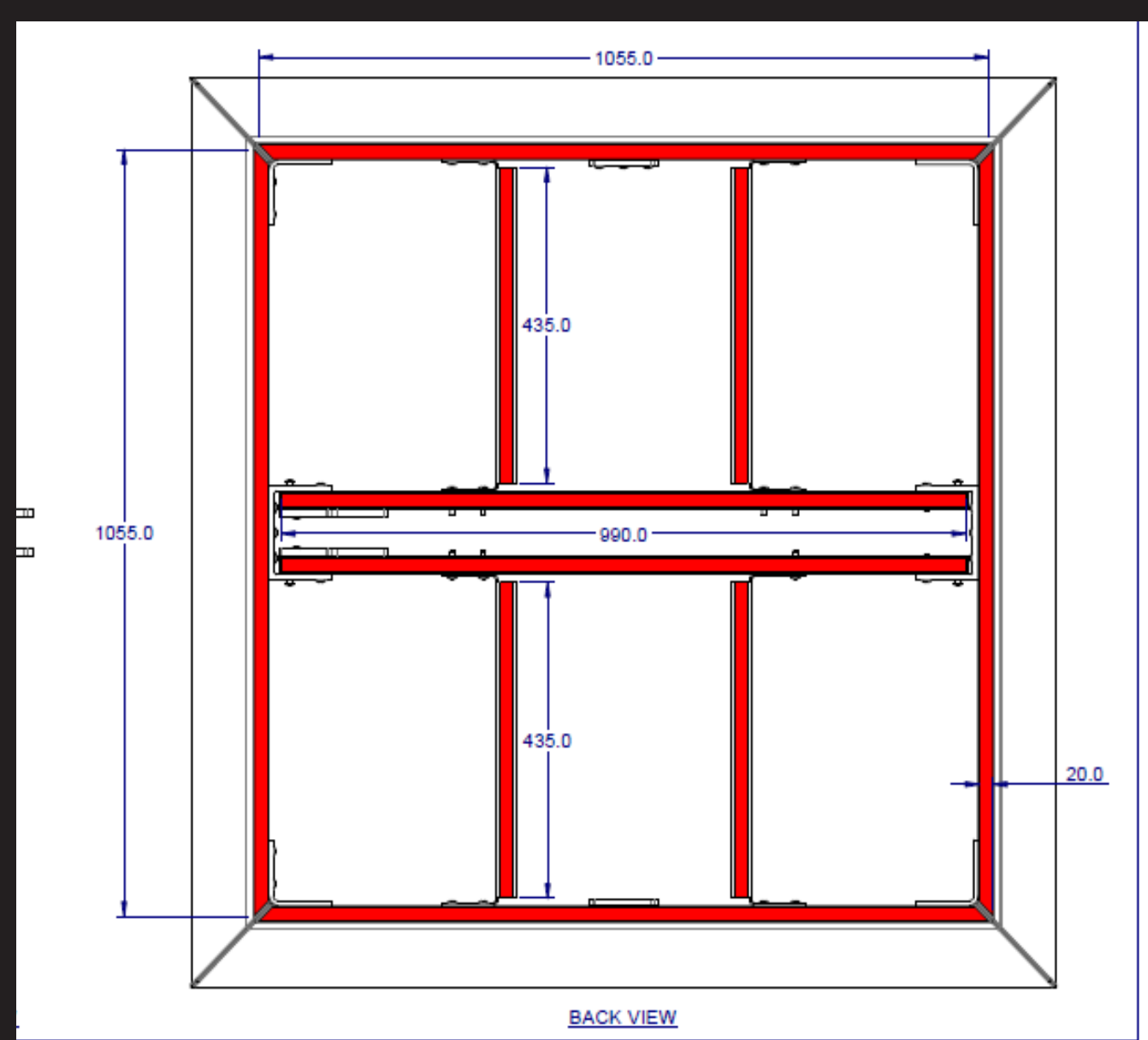
1,500m²

Mirror Panels

10,000m

3M™ VHB™ Tape

33 Stories High



Open a world of new possibilities.

The viscoelastic core of 3M™ VHB™ Tape absorbs energy and relaxes stress. The foam core is closed cell which keeps moisture, dirt and chemicals out for a tight seal and a long-lasting bond. 3M™ VHB™ Tape does not weaken the material it fastens to.

In fact, 3M™ VHB™ Tape has proven to be so reliable that for over three decades, it has been used in the construction of airplanes, buses, buildings and many other challenging construction projects all around the world.

3M VHB was applied to both the back and front of the Heliostats, the front to hold the Laminated Mirror onto the frame, and the back for the aluminium panel.

Working with designers 3M was able to assist in assessing the requirements of the project and recommended the correct VHB™ Tape. 3M Technical Support was also able to offer guidance on the amount of tape required and the correct installation procedures.