

King's Cross Redevelopment Works s - Assessment of masonry to ground floor arches adjacent to station clock

Figure 3: Rear elevation of infill panel, with annotations

Adjacent to this layer of bricks beneath the timber packers is the end of a metal section attached to the top flange of the plate girder beam (Figure 4). Similar sections can be seen at regular centres on the beam across all three arched openings.

The clock (Figure 5) is supported between archways 1 and 2 and is fixed in place with a series of 8 bolts drilled through the masonry pier (Figure 6). When drilling these bolt holes, the contractor reported that no metalwork was impacted in the drilling of these holes.

From Figure 6, a small cluster of bricks have been removed from the centre of the pier above the bolted connections, exposing a column running through the centre of the masonry pier.

On the rear elevation of the central opening, it was noted that the brickwork had been removed around the plate girder beam (Figure 6) on both sides of the opening. At the base of this central opening, individual bricks have been removed, and cracks are visible emanating from the removed brick (Figure 7).



Figure 4: Close up of connection detail at left hand end of concrete arch



Figure 5: Clock located between central and right hand opening on ground floor of facade (as viewed from platform side). Arches reviewed during site investigations numbered on diagram.