MANCHESTER 1824

Halliday Meecham

Design and Access Statement

Photon Science Institute Multi-Disciplinary Characterisation Facility (MCF)



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1.0 INTRODUCTION

Halliday Meecham Architects (HMA) are undertaking a project within the PSI building (part of Alan Turing Building) to accommodate large research equipment on the third floor – Largest piece is 17 ton which cannot be broken down into smaller sections.

2.0 The Site

The new kit is both large and heavy and the only way of getting it into the building is via the external wall on the south elevation. A service road between Alan Turing Building and Schuster Building allows access for delivering the equipment.

Because the new facility is to accommodate specialist X-Ray equipment. A set of external doors is maintained at this level for both future removal and installation of equipment.

3.0 Design Concept

HMA propose to replace the brickwork and windows with a pair of thermally broken sliding and folding aluminium doors with flat insulated panels to reflect the cladding panels elsewhere on the building.

4.0 Access

The heavy equipment will be delivered by specialist using a crane and special design temporary platforms. The door is designed solely for future equipment deliveries.

5.0 Conclusion

The architectural impact of new delivery door on existing elevation will be minimal. The location of the delivery door is far from public street in campus which provides a safety access and route for heavy vehicle and transporting heavy equipment.