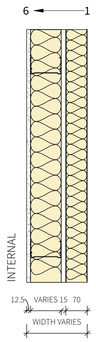
As Existing Wall Construction Types

The below wall types are as per: *'REPORT ON THE EXTERNAL WALLS at Jefferson Place, 1 Fernie Street, Manchester, M4 4AZ'*
(prepared by Thomason Partnership Limited and dated 31st August 2020)

Wall Type 3 - Metal Composite Cladding Panels

Metal cladding panels are installed across upper levels to the north & east elevations.



1. Aluminium Sheet (1mm bonded layer)
2. Expanded foam (70mm bonded core) Combustible
3. Aluminium Sheet (1mm bonded layer)
4. Cavity with metal Structural Framing System (SFS) (width varies)
5. Mineral wool (at party wall) and glass wool insulation (unknown layer / thickness)
6. Assumed Plasterboard inner wall lining (unknown layer / thickness)

Some cavity barriers were present to compartment floor junctions, however, were not present to all compartment wall junctions. No cavity barriers were identified to cavity edges and vent locations.

Junctions with compartment walls do not comply with ADB because the expanded foam insulation is continuous around the end of the compartment floor and the external wall includes a medium for fire spread due to the presence of combustible materials within the cladding panel.

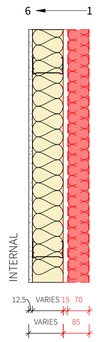
Therefore, the Metal composite panel (Wall Type 3) does not comply with ADB.

	Metal Composite Cladding Panel
Protection of Compartment Floors	Not Adequate
Protection of Party Walls	Not Adequate
Protection of Openings	Not Adequate
Resistance to Fire spread over wall	Not Adequate
Fire Spread between buildings	Adequate

Proposed Demolition to Existing Wall Construction Types

The below wall types are as per: *'REPORT ON THE EXTERNAL WALLS at Jefferson Place, 1 Fernie Street, Manchester, M4 4AZ'*
(prepared by Thomason Partnership Limited and dated 31st August 2020)

Wall Type 3 - Metal Composite Cladding Panels



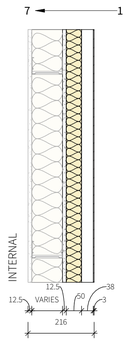
1. Aluminium Sheet (1mm bonded layer)
2. Expanded foam (70mm bonded core)
3. Aluminium Sheet (1mm bonded layer)
4. Cavity with metal Structural Framing System (SFS) (width varies)
5. Mineral wool (at party wall) and glass wool insulation (unknown layer / thickness)
6. Assumed Plasterboard inner wall lining (unknown layer / thickness)

As Proposed Wall Construction Types

Wall Types to achieve U-Value of 0.28W/m²k in accordance with Approved Document L2B Table 4.

Wall Type 3 - Metal Composite Cladding Panels

Proposed Wall construction achives U-Value of X.XX W/m²K. (min. 0.28 W/m²K)



1. Vitradual non-combustible cassette cladding - colour to match existing (3mm)
2. Cavity to suit existing wall width (Vitrafix Helping hand system)
3. Rockwool 'Rainscreen Duo' insulation installed around helping hand (50mm)
4. Siniat Weather defence board (12.5mm - taped and jointed to form Air-tight-line)
5. Mineral wool (at party wall) and glass wool insulation (unknown layer / thickness)
6. Existing SFS Forming Cavity (Width Varies.)
7. Existing Plasterboard inner wall lining (unknown layer / thickness)

Junctions with floors and internal compartment walls are to be protected by correct installation of both vertical and horizontal Cavity Barriers.

Cavity heads, bases and sides of cavities are protected by correct installation of both vertical and horizontal Cavity Closers.

Cavity edges at window openings are to be protected by correct installation of both vertical and horizontal Cavity Closers.

PLEASE NOTE:

Current wall build up will only achieve a U-value of XX W/m2k - this is due to the existing wall thickness.

To achieve a u-value of 0.28 W/m2K, 100mm rainscreen duo slab will be required.

Depending on type of rainscreen cladding, a minimum 38mm cavity is required for closed cladding, otherwise a minimum of 50mm cavity is required if the cladding is open.

0m 0.2m 0.4m 0.6m 0.8m

Drawing Scale 1:10 @ A1

GENERAL NOTES

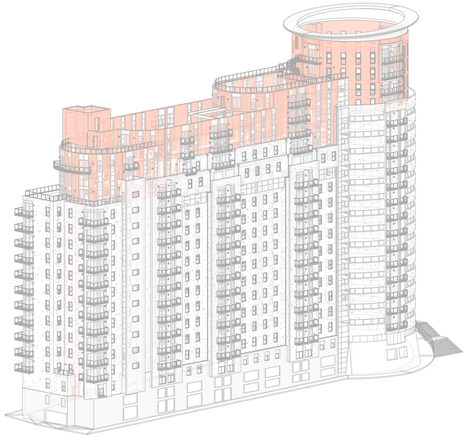
1. Contractor must ensure that all work on site is carried out in a safe & satisfactory manner, in accordance with Health & Safety At Work Act 1974, COSHH Regulations 2002 & requirements of C.D.M.
2. Structural Design shown in abeyance
3. Mechanical & Electrical shown in abeyance
4. All dimensions shown are to wall structure (Block/Stud) unless otherwise stated.
5. Building quanities based off survey information provided by Formby Surveys
6. Building information based off Thomasons survey reports and drawings.

Schedule_Wall-Type-3_As-Existing

Type Mark	Description	Total Area
Wall Type 3A	Metal Composite Cladding - Grey	1016.9 m²
Wall Type 3B	Metal Composite Cladding - Blue/ Green	794.7 m²

SCHEDULE QUANTITIES NOTES

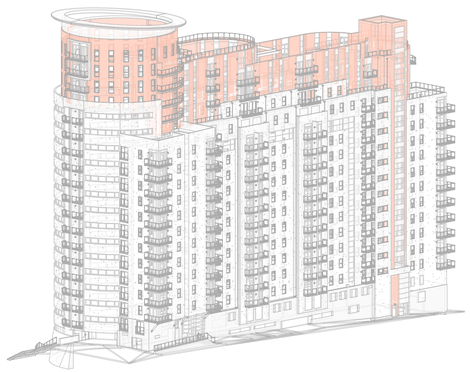
Please note that the quantities shown in these schedules are for costings only and any use of them are at the quantifiers own risk. They should not supersed the contractor's own quantity surveying methods.



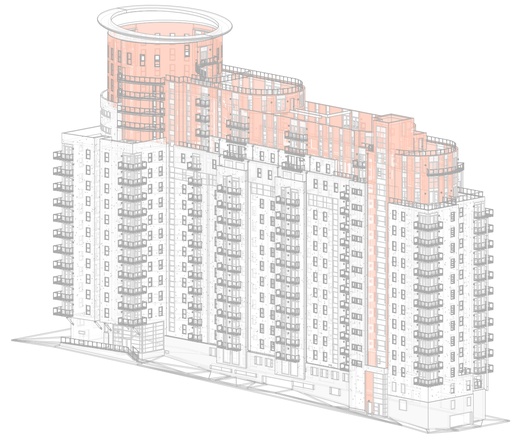
1 Wall-Type-3_3D-View-01



2 Wall-Type-3_3D-View-02



3 Wall-Type-3_3D-View-03



4 Wall-Type-3_3D-View-04

Wall-Type-3 (Metal Composite Cladding Panel)_Construction Methodolgy

Four Architects Limited (11613893)
Note:
This drawing is copyright.
Do not scale dimensions from drawings.
All dimensions must be checked on site by contractor or suitable qualified individual.
Contractor to report any discrepancies, errors or omissions prior to commencing work.

Notes:

Project Title: Jefferson Place		Status: PRELIMINARY	
Location: MANCHESTER		Scale: As indicated	Date: 25/06/2021
Drawing title: Wall-Type-3_Construction Remediation	Job Number: 20-063	Drawing Number: FA-DR-04-003	Revision: P1

Four
Architects
113 Portland Street, Manchester, M1 6DW
Tel. 01614707969 Email. info@fourarchitects.co.uk