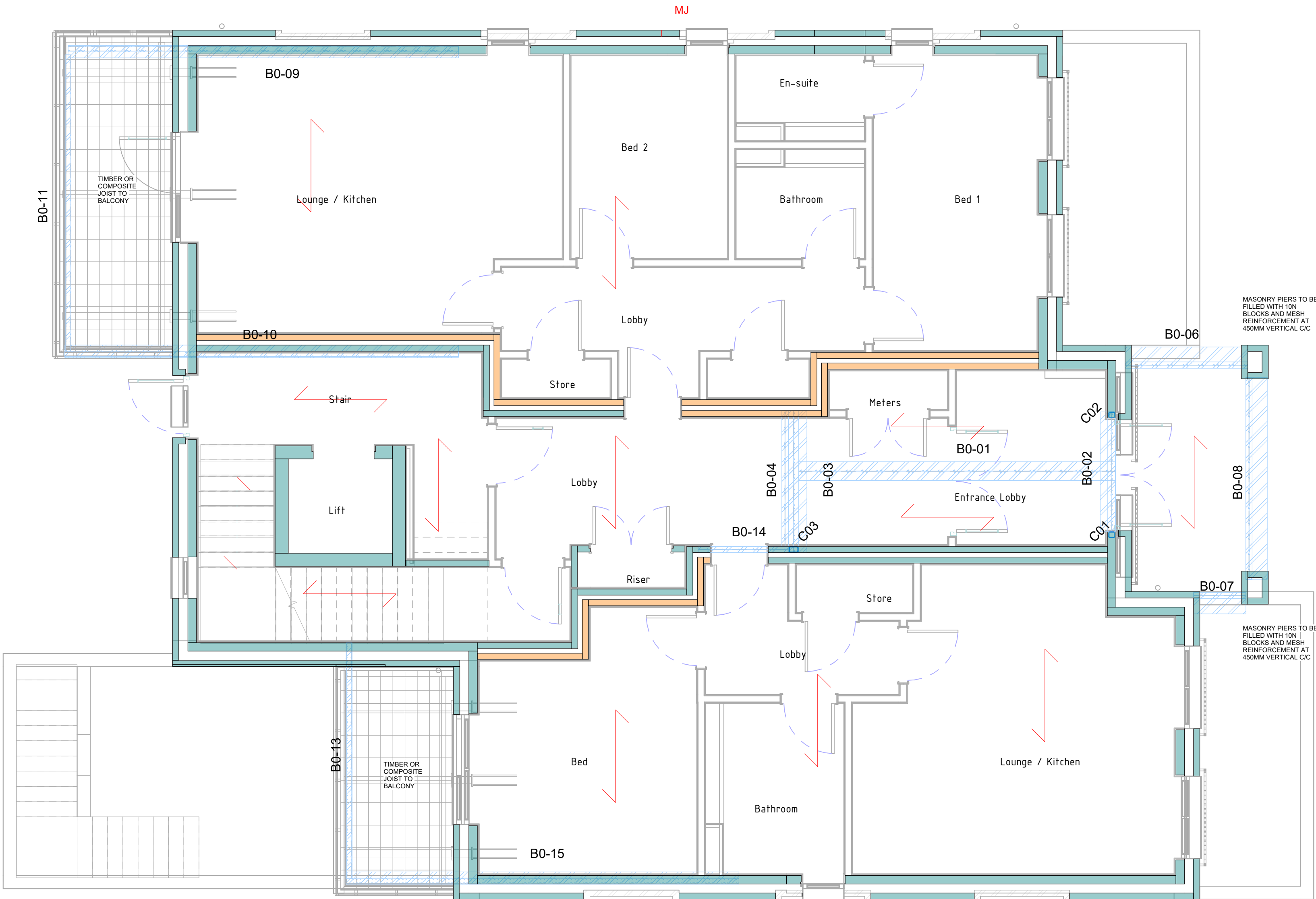


Notes:

- Blockwork Strengths:
Basement 17N with M6 Mortar
Ground Floor 10.4N with M6 Mortar
First Floor 7.3N with M6 Mortar
Second Floor 7.3N with M6 Mortar
Third Floor 7.3N with M6 Mortar
Lift Shaft 10.4N @ Laid Flat.
- Build outer leaf of second floor cavity wall with 3.0mm thick bed joint reinforcement at 225mm vertical centres.
- All non - load bearing internal walls assumed to be blockwork 7.3N
- Minimum bearing to all steels 150mm.
- All Padstones as per schedule.
- All Steel S275.
- Temporary works by others - Only cast in anchor for columns designed to be freestanding.
Other columns designed to be restrained during construction.
- 1hr Fire protection to steelwork.
- Refer to beam schedule for plate support requirements.
- 60x60x10 Fins welded to terrace columns & fixed @ 450mm c/c and resin anchored to external masonry skin with M12 Bolts.
- Columns tied to masonry with Ancon SPB or similar approved wall ties at 450mm c/c.
- All Memory Box Lintels to be Naylor ER1.
- All external steelwork to be galvanised.



KEY:

- B0-01 Steel Beam
- Load Bearing Walls
- Non Load Bearing Walls
- 17.5 Block walls
- 200mm Precast Planks
- MJ Movement Joints
- C01 Steel Columns
- WP Ancon WP2/170x70x4 windpost. Located in the cavity 150mm from the window to avoid intel bearing. Ties@225mm CTRS. For Installation spec. refer to manufacturer, or enclost document (Ancon Windpost)

DO NOT SCALE FROM THIS DRAWING

- GENERAL
- These notes are intended to augment drawings and specifications. Where conflict of requirements exists the order of precedence shall be as shown in the specifications. Otherwise the strictest provision shall govern.
 - This drawing is to be read in conjunction with all other relevant Engineers and Architects drawings.
 - Drawings not to be scaled. All dimensions to be checked on site by the Contractor prior to the commencement of any work or shop drawing. Any discrepancies to be notified to the Architect & Engineer and further instructions obtained before work is commenced.
 - The structure is designed to be self-supporting and stable after the building is fully complete. It is the Contractors sole responsibility to determine the erection procedure and sequence and ensure that the building and its components are safe during erection. This includes the addition of whatever temporary bracing, guys or tie-downs which may be necessary, such material remaining the property of the Contractor upon completion.
 - Floor planks abutting external walls to be tied using 30mm x 5mm galvanized mild steel anchors beneath screed at no greater than 1.25m centres. Horizontal leg to extend no less than 800mm from inside face of inner leaf. Vertical leg to extend no less than 100mm in cavity.
 - Precast concrete floors to be designed by the floor manufacturer. It is the responsibility of the floor manufacturer to ensure that the architectural and structural layout and applied loading shown is compatible with his flooring system.
 - Design of measures to avoid vibration or resonance due to machinery to be carried out by machinery manufacturer or specialist.

STRUCTURAL CONCRETE (DESIGNATED MIX)

- Structural concrete to be designated mix RC 30 in accordance with BS EN 206-1 & BS 8500-1.
- Design Sulphate Class DS-1
- ACEC Class AC-1s
- All reinforcement to have a minimum cover of 50mm bottom and 35mm top and sides

MASONRY - TO U/S OF GROUND FLOOR

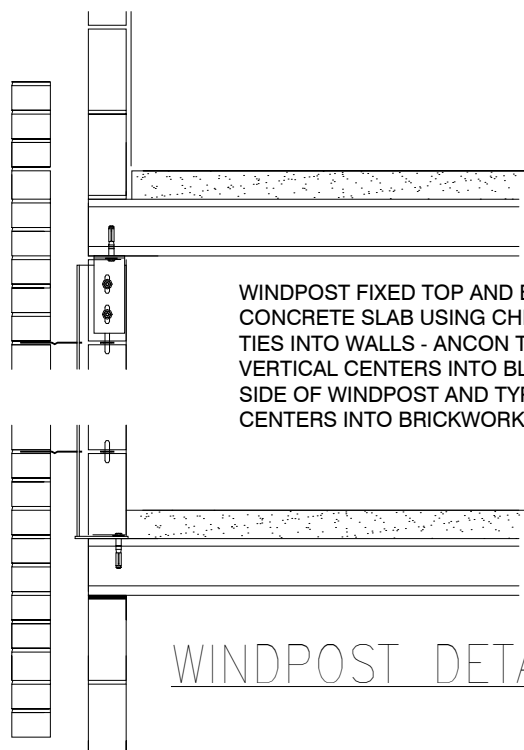
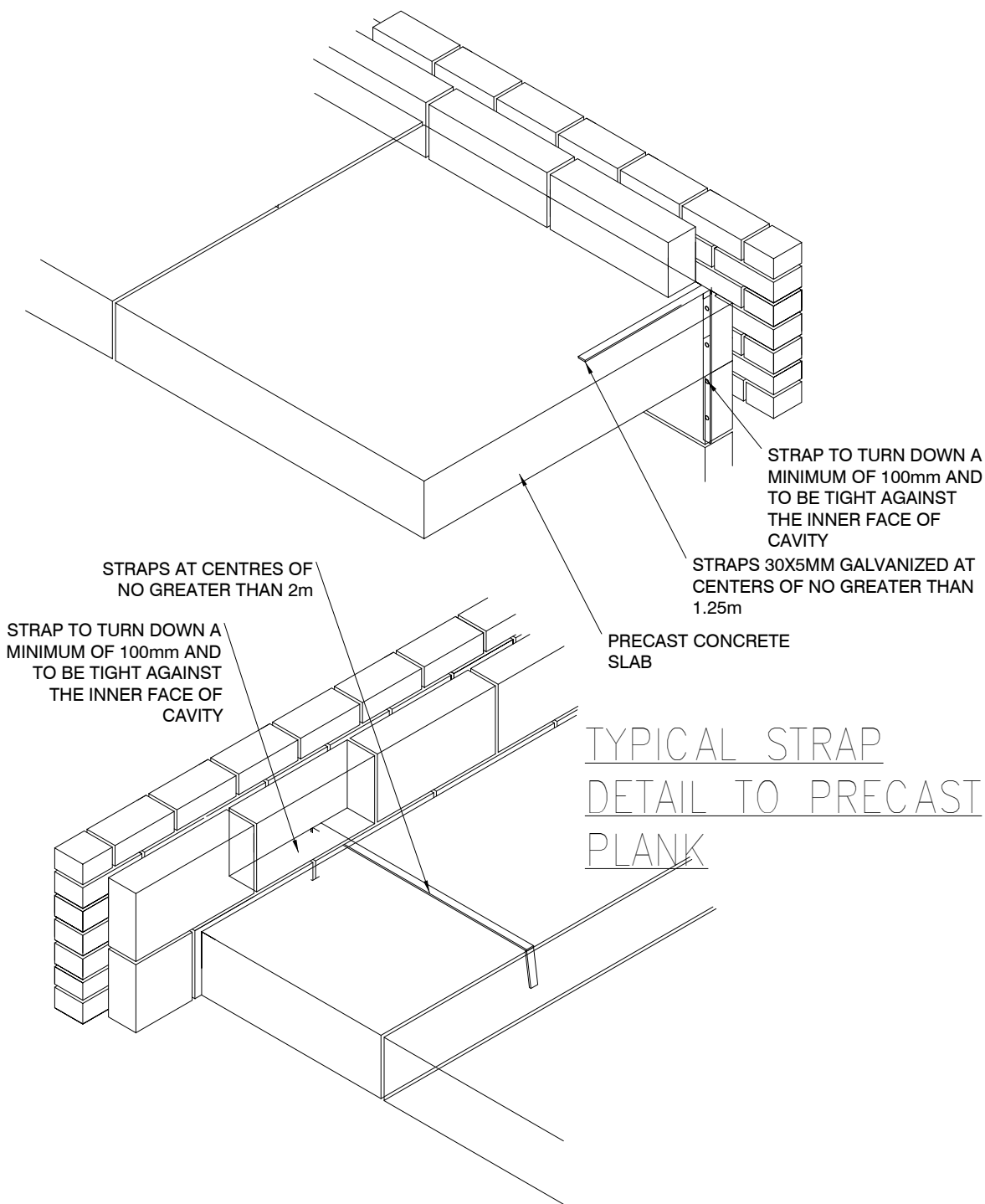
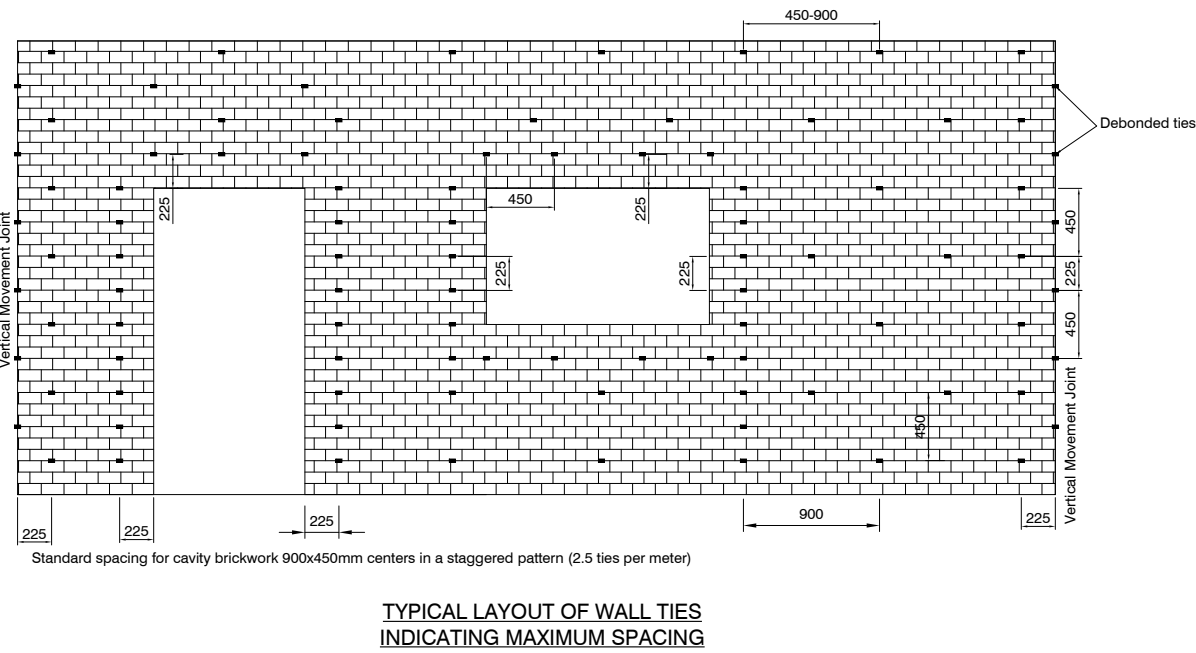
- All blockwork units shall comply with BS 6073 Parts 1 & 2: & BS5628 Part 3
- The thermal and sound insulation requirements for blockwork shall be as stated on the Architects drawings.
- Blockwork below ground level to have a density greater than 1500kg/m3 and laid in type (ii) 1:4 cement/sand mortar.

Rev	Date	Description	By
-	30-05-2025	First Revision	JF
A	26-06-2025	Updated to suit latest layout	JF
B	10-07-2025	Updated to suit latest architectural layout	JF

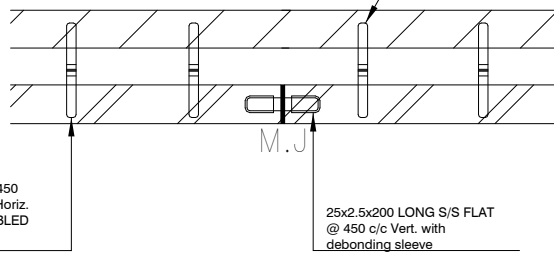
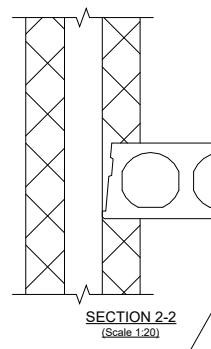
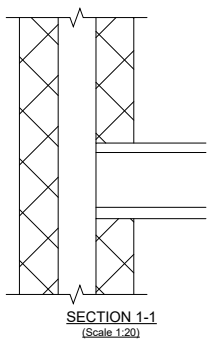
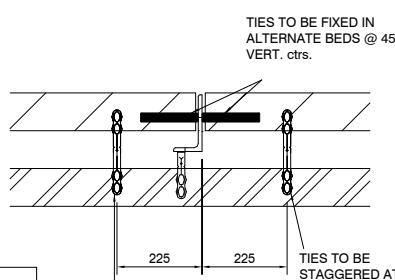
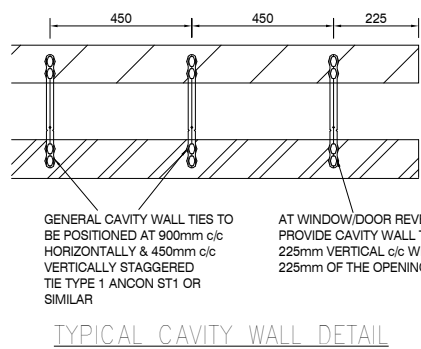
LOADING:

Roof:	DL:	1.0kN/m ²
	LL:	0.75kN/m ²
Floor:	DL:	5.0kN/m ²
	LL:	Corridors/Kitchen: 3.0kN/m ²
		Laundry/Dayrooms: 3.0kN/m ²
		Plant Rooms: 7.5kN/m ²
		Store Rooms: 7.5kN/m ²
		Other Areas: 2.5kN/m ²
Blockwork:	DL:	2.0kN/m ²
Single Leaf:	DL:	4.0kN/m ²
Cavity:	DL:	2.0kN/m ²
Single Leaf:	DL:	2.0kN/m ²
100mm:	DL:	2.8kN/m ²
140mm:	DL:	2.8kN/m ²

Refer to Drawing SL(2)291 for Steel Details and section sizes.



NOTE:
LENGTH OF CAVITY TIES (TIE TYPE 1) ARE DEPENDANT ON THE CAVITY WALL CONSTRUCTION. NOTE TIES TO HAVE min. 60mm EMBEDMENT INTO BOTH LEAVES



EXTERNAL WALL MOVEMENT JOINT DETAIL



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Project

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Drawing Title

Ground Floor Structure Over

Scale 1:50 Date May 2025

Drawn by JF Checked by GB

Job No. Drawing No. Rev.

0040 R SL(2)281 B