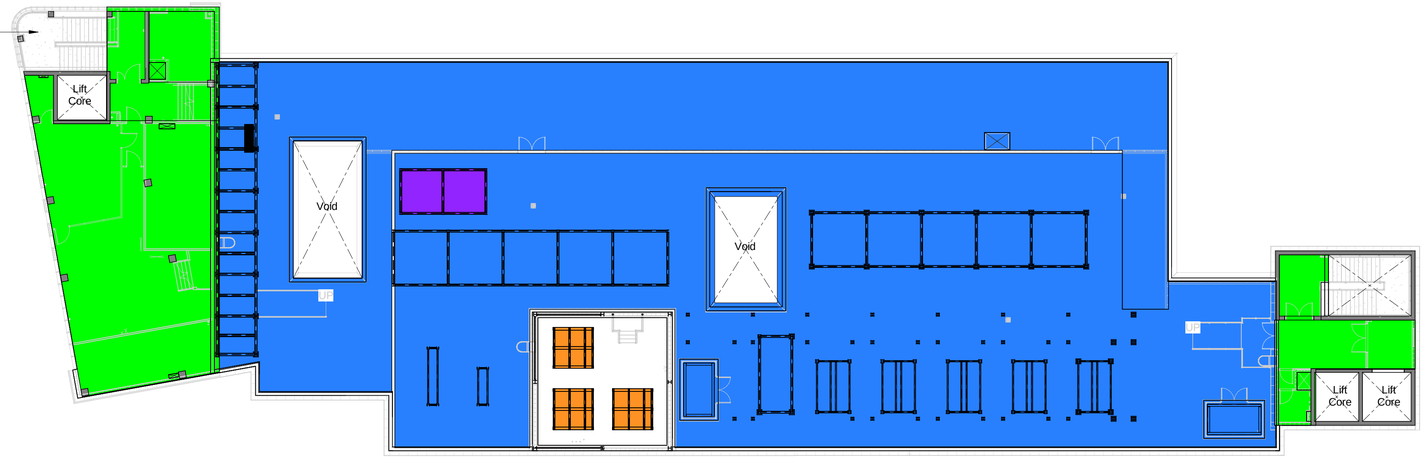
An allowance of 1kN/m2 on elevation has been made for all cladding to the structure. Cladding is assumed to be supported vertically and laterally at each floor level. This assumption is to be confirmed upon receipt of the specialist cladding design information.

No allowance for screed on stair landings.



Level 4 Superimposed Permanent Loads

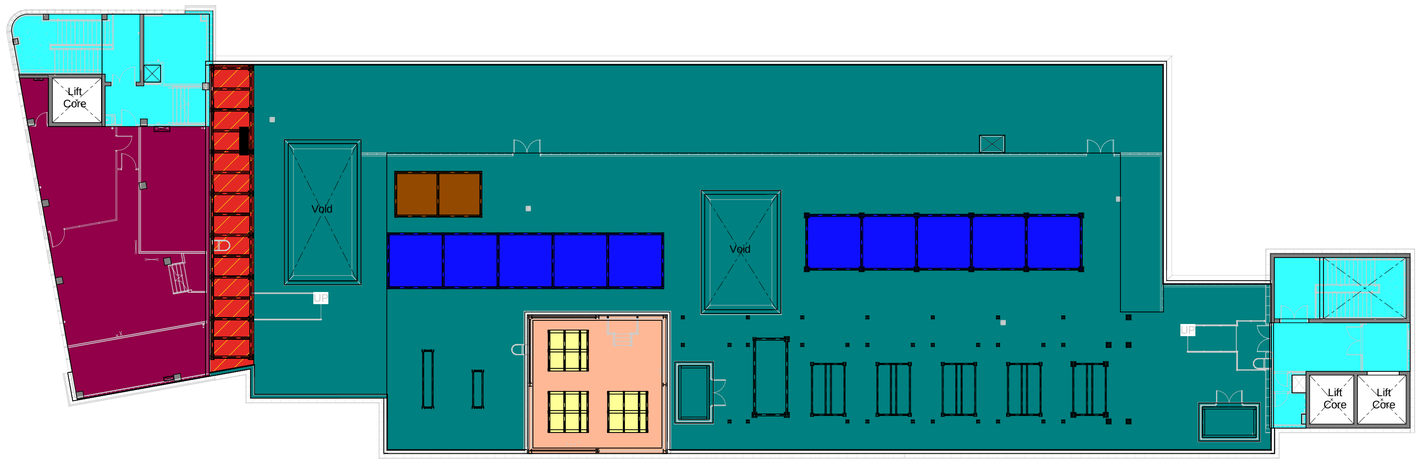
1 : 200

All equipment from HV/LV Switchroom and UPS room (including Transformer) to be replaced via temporary lifting beam to be installed by doors. No allowance made for permanent lifting beam.
A walkway has been designed to support the weight of the transformer (and any other equipment from HV/LV Switchroom and UPS room).
Equipment to be craned from east end of walkway.
If other plant in these rooms requires replacement at the same time then plant/equipment must be transported to the balcony and lifted one at a time. If equipment can be emptied or broken down then this is advised.

Transformer has an alternative replacement strategy by removing the precast panels at Level 05 and craning directly from the Switchroom.

SUP-15

Structural design based on the weights received from Hoare Lea and Dalkia during RIBA Stage 4. These weights are subject to confirmation once exact plant is specified. The structural design requires a review once final plant specification received and is therefore, subject to redesign and change.



Note that no equipment heavier than an equivalent area load of 2.5kN/m2 shall be moved over the blue roof. Equipment heavier than this load must be broken down or craned directly from the roof. This is due to the allowable load carrying capacity of the blue roof system (including insulation).

Level 4 Variable Loads

1 : 200

SIGNIFICANT RESIDUAL RISK

Notes below are additional to the hazards/risks normally associated with this stage of works refer to Designer's Hazard Elimination & Management record for more information.

Ref.	Hazard	Activity / Process
SUP-15	Structural collapse of Level 3 and 4 slab.	Structure has been checked for agreed plant replacement strategy as indicated on these drawings, alternative strategies could lead to overloading of the structure.

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1:100 0 5m 10m

Notes

1. All dimensions are in millimetres unless stated otherwise.
2. All levels are in metres unless stated otherwise.
3. This drawing shall not be scaled.
4. This drawing should be read in conjunction with the Mott MacDonald RIBA Stage Report, reference CASICD-MMD-XX-XX-RP-S-000001 and the Mott MacDonald Basis of Design Report, reference CASICD-MMD-XX-XX-RP-S-000003.
5. Drawings are based on CASICD-DAY-XX-ZZ-M3-A-000001_P36 Architectural Model received 21-01-2026. Any information received after these dates has not been incorporated and will require further coordination at next stage.

Key to symbols

Project Risk

Superimposed Permanent Loads

- Internal suspended slabs 50mm acoustic mineral wool, 75mm screed, and vinyl floor finish 1.8kN/m²
- 55mm stone, Bauder DSE drainage board, Bauder 100mm Blue roof. With allowance for either 50mm paving flags or PV panels - 2.2kN/m²
- Bulk Fuel Tank (Tank self-weight), based on 38700L diesel capacity - 6.3kN/m²
- Water Tank (Tank self-weight), based on Tricel 9375L capacity - 2.6kN/m²

Variable Loads

- Corridor, stairs and circulation, including use by wheeled vehicles (C34) 5.0kN/m²
- Roofs accessible for maintenance and repair (H) 0.6kN/m²
- HV/LV Switchroom and UPS Rooms 7.5kN/m²
- Roofs AHUs, General plant allowance, blue roof water and access load 6 kN/m²
- Bulk Fuel Tank (Liquid), based on 38700L diesel capacity - 25kN/m²
- Water Tank (Liquid), based on Tricel 9375L capacity - 14.7kN/m²
- Generator - 9.2kN/m²
- 4650kg transformer in any one position, see boxed note

Rev	Date	Drawn	Description	Ch'k'd	App'd
P04	06.02.26	EE	RIBA Stage 4 Issue	CS	AS
P03	28.03.25	MS	Stage 3 Issue - PMI / Addendum	CS	AS
P02	06.11.23	EE	Updated to suit plant replacement strategy	CS	JH
P01	19.10.23	MS	Stage 3 Issue - For Coordination	MU	JH

Status Stamp: PRELIMINARY

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Client: The Christie NHS Foundation Trust

Title: The Christie Advanced Scanning & Imaging Centre Development (CASICD)
Level 4
Dead and Imposed Loading Plans

Designed	M. Ufton	MU	Eng. Check	C. Smith	CS
Drawn	E. Español	EE	Coordination	C. Smith	CS
Dwg. Check	M. Ufton	MU	Approved	A. Simpson	AS

MMD Project Number: 100114293
Scale at A1: 1:200
Security: STD
Suitability Description: Suitable for Review & Comment
Suit. Code: S3
Drawing Number: CASICD-MMD-XX-04-DR-S-005005
Rev: P04