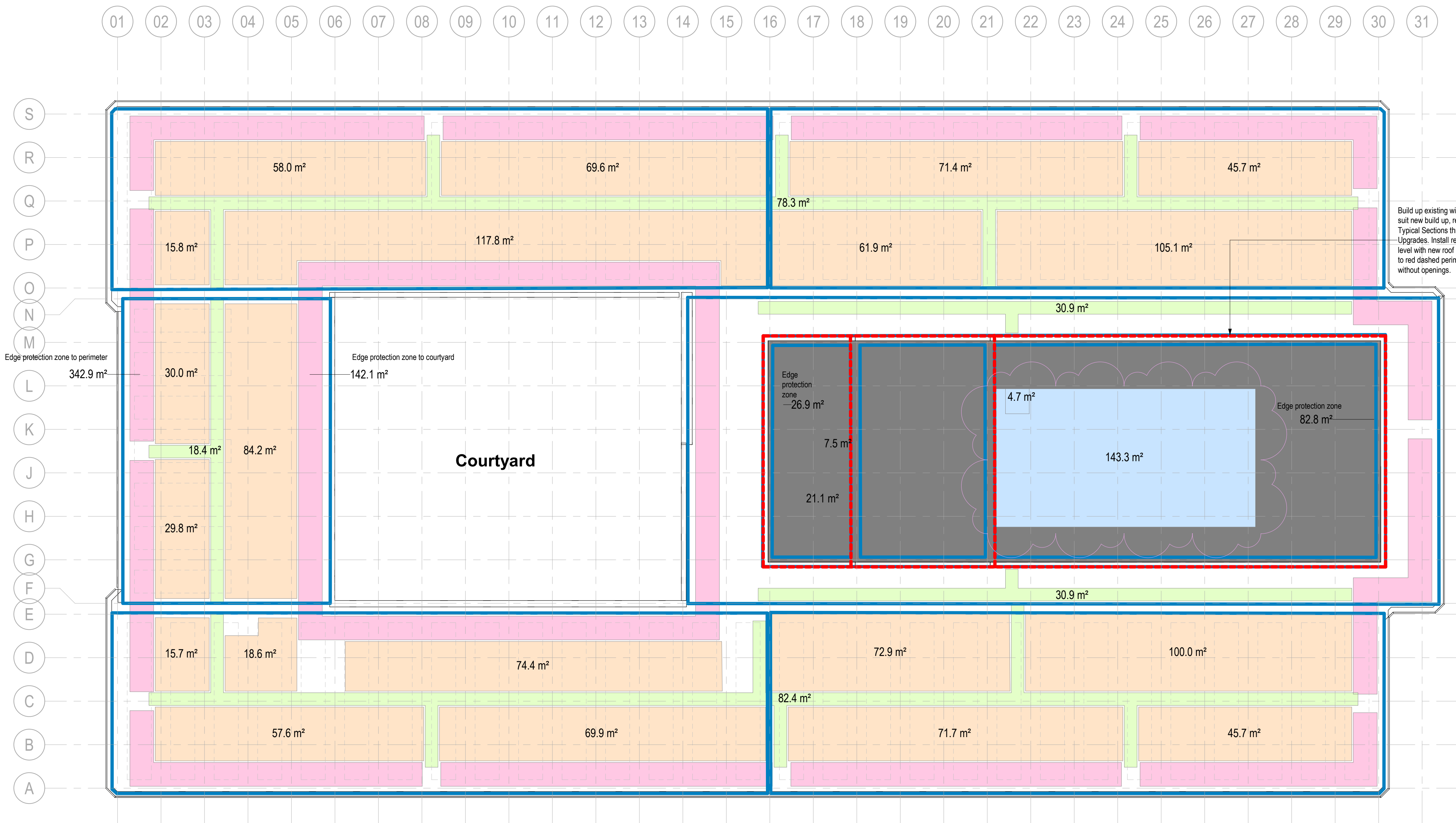


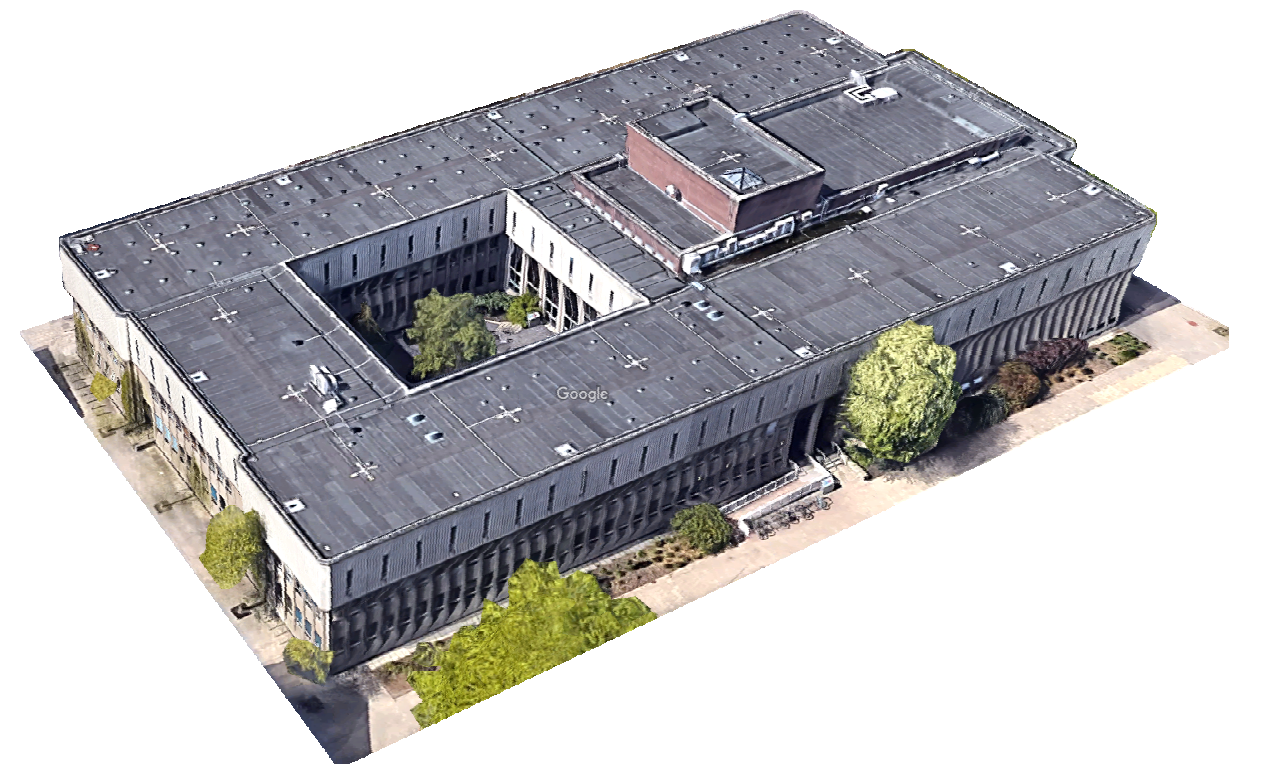


© Copyright: All rights reserved. This drawing must not be reproduced without permission. Do not scale from this drawing. All dimensions are in millimetres unless otherwise stated. Any discrepancies should be reported to the Architect.



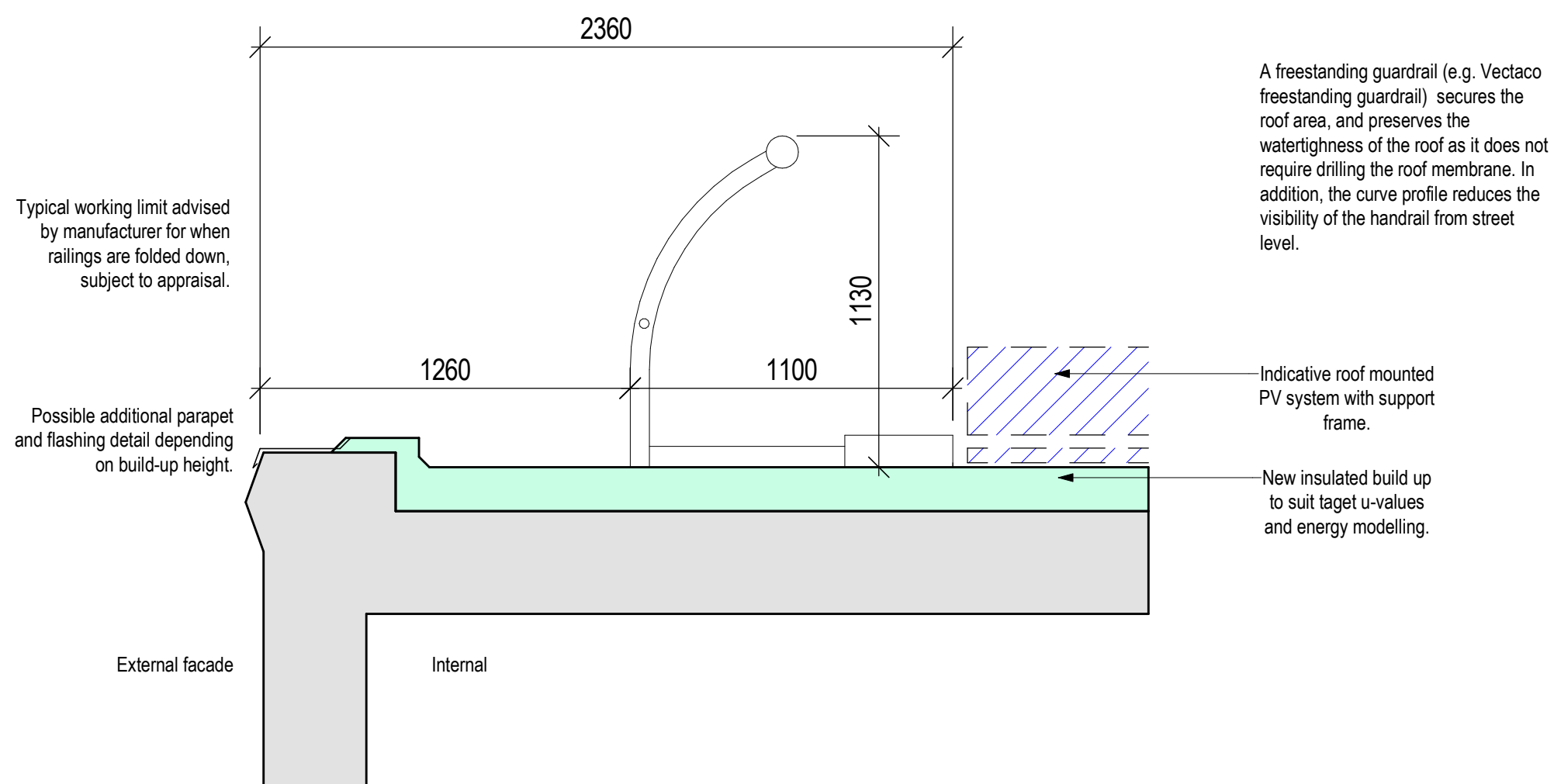
- Scope Notes:
- Existing elements drawn from record information. Measured survey to be undertaken prior to any order being placed.
 - Proposed new roof manufacturer to confirm suitability of all existing roof areas as substrate for new overlay, or highlight any obstacles to the installation, or any areas for making good, for acceptance by Client.
 - In preparation for roofing overlay all redundant services, including redundant sun pipes, are to be removed (refer to Engineer's information for affected services).
 - All affected areas are to be made good both externally to create suitable substrate for roof overlay, and internally to match existing finishes (tbc).
 - It is likely that existing surface mounted services, that are to be retained, will need temporary or permanent modification to accommodate new overlay, e.g. temporary relocation of rooftop plant units, lifting/re-routing cable trays etc.
 - Once accepted and prepared, existing roof to be overlaid with new build-up (80/100mm insulation depending on location - refer to manufacturers report) in accordance with manufacturer's installation guidance and to meet the requirements for the guarantee.
 - Roofing works to include alterations to accommodate additional insulation thickness around existing features including raising of all existing curbs to penetrations, and retrofitting additional cavity trays at masonry abutments (refer to location on plan).
 - Works will also include forming of new openings to suit services strategy including new rooflights/roof vents and connections to rooftop plant e.g. ASHPs.
 - New edge protection system, walkways, and roof mounted services to be installed following completion of roof overlay in each zone. This will need to be completed in a time to suit the phasing strategy for sectional completion of internal works.
 - Large 'pyramid' rooflight at high level will also need to be removed, at least temporarily, to raise the curb. This may be an opportunity for including smoke ventilation to assist with the fire strategy in the atrium, and/or stack ventilation to aid natural ventilation to internal spaces.
- Roofing Notes:
- Bauder report (2017) roof zones marked in blue.
 - Bauder report found 60mm tapered PIR in zone 1, 80mm flat PIR in zones 2, 4, 5 and 6, and 30mm PIR in zone 3 due to constraints.
 - Bauder report suggests 120-140 additional build up possible to most areas depending on perimeter constraints. Awaiting u-values to confirm proposed insulation thicknesses.

- Hazard Notes:
- Refer to UoM hazardous materials record information.
 - An R&D asbestos survey, and if necessary, abatement specification must be completed prior to any work commencing.
 - It is believed some roof edges and openings are unprotected., All works subject to accepted RAMS and UoM permit to work system. If in doubt treat as unprotected/fragile.



Roof Constraints Plan

1 : 150 @ A1



- Indicative areas available for PV (and vent/daylighting where needed).
- Indicative areas available for ASHP.
- Allowance for folding edge protection, as detail illustration. Edge protection strategy TBC.
- Allowance for roof access walkway system.
- Anticipated positions of former roof light openings based on scanned record drawings.

Permanent Edge Protection Illustration

1 : 20 @ A1

P2	Guardrail position amended. ASHP enclosure area reduced	17.05.2024	SA	TF
P1	Issued for approval	13.09.2023	PMB / SA	TF
PLANNING				
Revision	Description	Date	Drawn	Checked

Halliday Meecham Architects Limited
111 Piccadilly Manchester M1 2HY
+44 (0)161 661 5566
4 Devonshire Street London W1W 5DT
+44 (0)203 440 5175
hma@hallidaymeecham.com
www.hallidaymeecham.com



Client:	University of Manchester			
Project:	Humanities LTM			
Phase/ Location:	Humanities Building, University of Manchester			
Drawing:	Level R1 Scope of Works Plan (PLANNING)			
Scale @ A1	Scale @ A3	Date:	Drawn:	Checked:
1:150	1:300	09/11/23	SA	TF
Drawing Ref.		Job No.	Drawing No.	Revision
5607-HMA-HB-R1-DR-A-20106		5607	20106	P2