

**NOTE:**  
ALL STEELWORK TO BE SPECIFIED/ CHECKED BY STRUCTURAL ENGINEER PRIOR TO COMMENCEMENT

All balcony Steel work to Specialists designs.  
All fixings to be approved by Structural Engineer.

ALL Metal Work to be galvanised & painted in accordance with external material schedule

MANUFACTURERS DETAIL REQUIRED FOR BALUSTRADING PRIOR TO FABRICATION FOR APPROVAL

1800mm glazed side screen only where specified on drawings.

Glazing to provide no greater than a 99mm gap to any guarding.

70x70x5mm SHS galvanised steel posts with toughened safety glass fitting between to withstand a uniformly distributed load of 1.0kN/m<sup>2</sup> applied to the infill in accordance with BS6399:1996:Table 4.

Balustrade design in accordance with External Material Schedule

136mm x 25mm EcoDeck Grooved Deck Board, colour as per Internal Specification, screwed through to joists. To allow 10mm perimeter drainage gaps and 6-8mm gaps over pedestrian surface

Powder coated aluminium fascia panel to balcony RAL 7015

180x100x5 RHS to be fixed to SHS via 10mm welded end plate and to 2no. M16 blind bolts

60.3x3 CHS bracing the 150x75x18 PFC

150x75x18 PFC as per SE Design

Underside of Balcony to be fitted with powder coated soffit to allow free draining

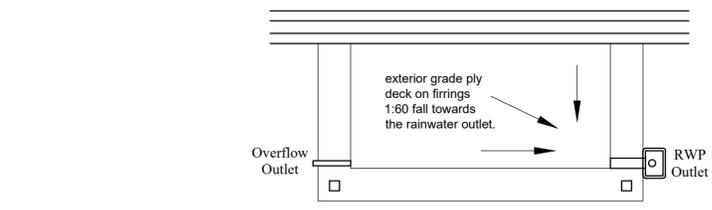
100X100X5 SHS to Engineers design & specification.

70x70x5mm SHS galvanised steel posts with toughened safety glass fitting between to withstand a uniformly distributed load of 1.0kN/m<sup>2</sup> applied to the infill in accordance with BS6399:1996:Table 4. Parapet fixing as per specialist design.

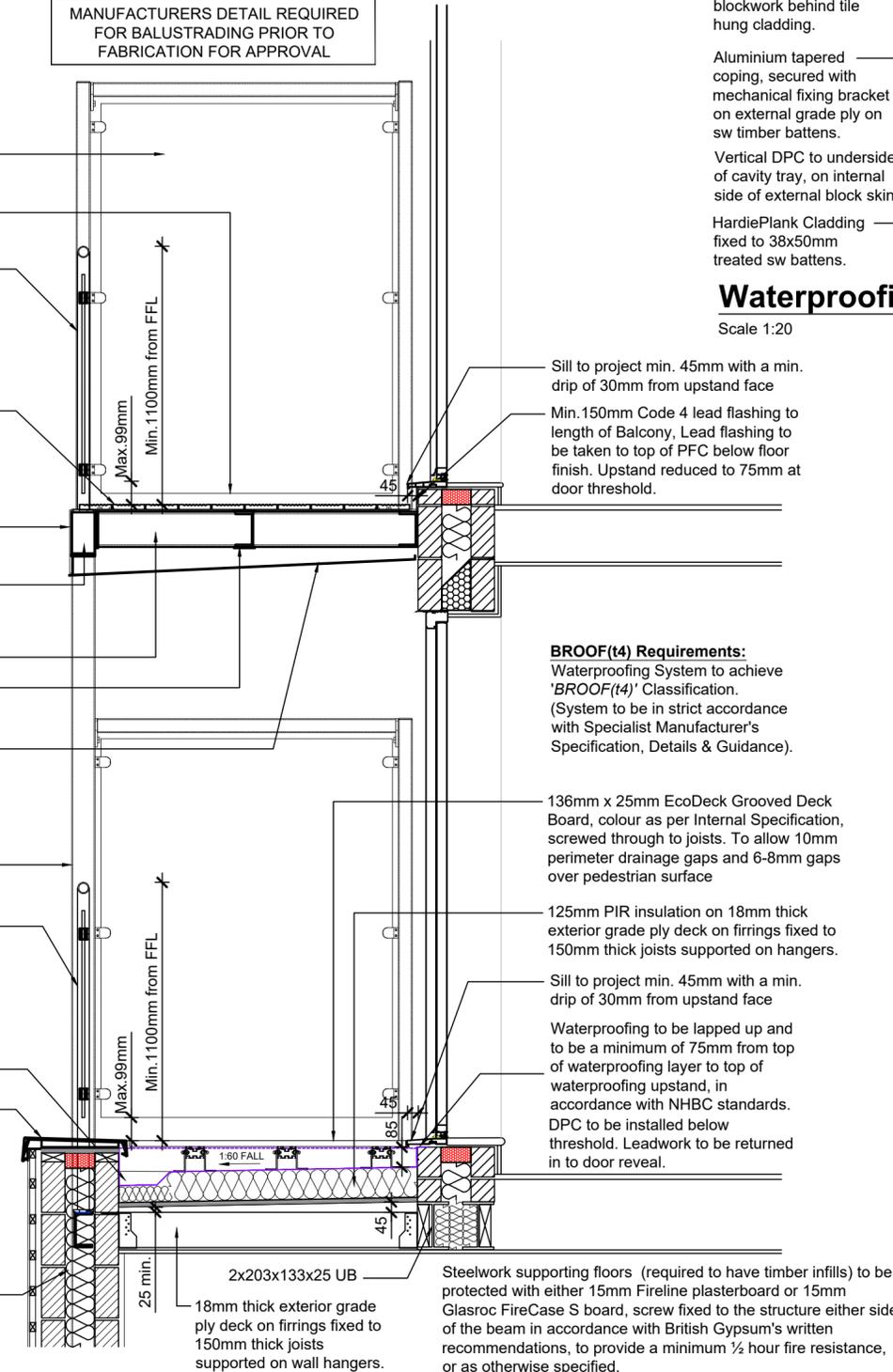
Channel formed to fall to rainwater outlet

Parapet wall construction (Please see plot specific for external materials) finished with aluminium tapered coping, RAL to suit external materials schedule. Coping secured to masonry wall with a mechanical fixing bracket fixed through external grade ply in accordance with manufacturer's instructions.

PFC to Engineers design & specification.



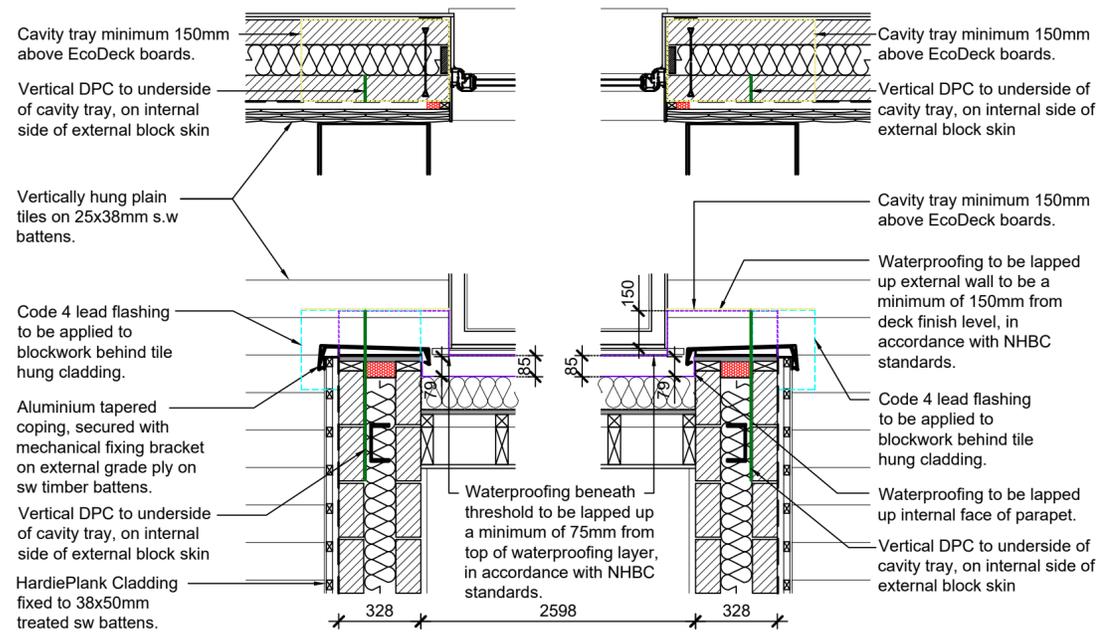
**Diagrammatic Plan**



**BROOF(t4) Requirements:**  
Waterproofing System to achieve 'BROOF(t4)' Classification. (System to be in strict accordance with Specialist Manufacturer's Specification, Details & Guidance).

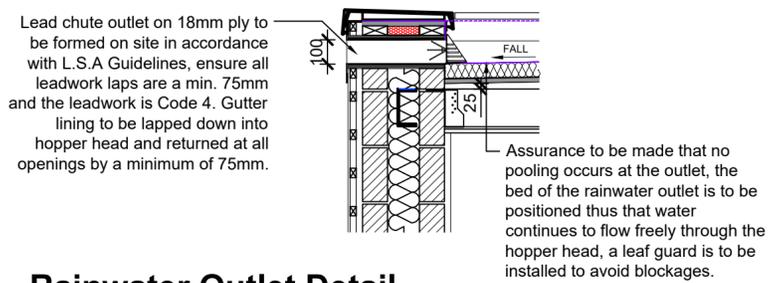
Steelwork supporting floors (required to have timber infills) to be protected with either 15mm Fireline plasterboard or 15mm Glasroc FireCase S board, screw fixed to the structure either side of the beam in accordance with British Gypsum's written recommendations, to provide a minimum 1/2 hour fire resistance, or as otherwise specified.

Alternatively, steelwork can be fire protected with the use of intumescent paint in as stated within the Building Regulations.



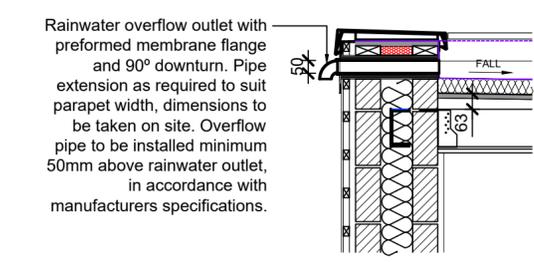
**Waterproofing Around Post Details**

Scale 1:20



**Rainwater Outlet Detail**

Scale 1:20



**Overflow Outlet Detail**

Scale 1:20

Notes  
All dimensions to be checked on site prior to the commencement of construction and any discrepancy should be reported to the Site Manager.

This drawing may not be reproduced in any part or form without written consent.

All copyrights reserved.

Sub-Contractors MUST ensure that they have the latest issue drawing before they commence work on site.

This drawing is to be read in conjunction with all relevant Specifications, schedules and Engineers details.

Rev	Date	Description	Init.
/	15.12.25	Construction Issue	DF



Job title  
**Brooklands College,  
Weybridge  
Bespoke Details**

Drawing title  
**Bespoke Details  
Phase 2B: HT9 Balcony Detail &  
Rainwater Outlet & Overflow  
Details**

Scale	1:20@ A2	Date	Dec 2025
Rev.	/	Drawn	DF

Dwg No.  
**SA00394-NSD1553-A-DET**

**HT 9 Walk Out Balcony**  
Scale 1:20