



MEP Engineering Sketchbook

Jamestown Road, London
Overheating Analysis

August 2024

Scenario 1

This scenario included no roller shutters, a 225mm window recess and the PBSA windows were restricted to a 100mm opening. The acoustic restriction is shown along the perimeter of the proposed developments, where red denotes that the bedroom/Studio windows cannot be relied upon during 23:00 – 07:00 as a mitigation method for overheating and green shows where bedroom windows can be open all day. All C3 and PBSA spaces are served by a boosted MVHR system, and the apartments/Studios highlighted in red show where trim cooling is required site wide.



Issue / Revision Record

Issue	Date	By	Checked	Comment
1	14.08.24	JR	GO/FTC	First Issue for Comment

Scenario 2

This scenario included roller shutters to the PBSA courtyard only, and the same other details as scenario 1. All C3 and PBSA spaces are served by a boosted MVHR system, and the apartments/Studios highlighted in red show where trim cooling is required site wide.



Scenario 3

This scenario included roller shutters to the PBSA courtyard only, a 225mm window recess and the PBSA windows were free to open to 90°. All C3 and PBSA spaces are served by a boosted MVHR system, and the apartments/Studios highlighted in red show where trim cooling is required site wide.



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