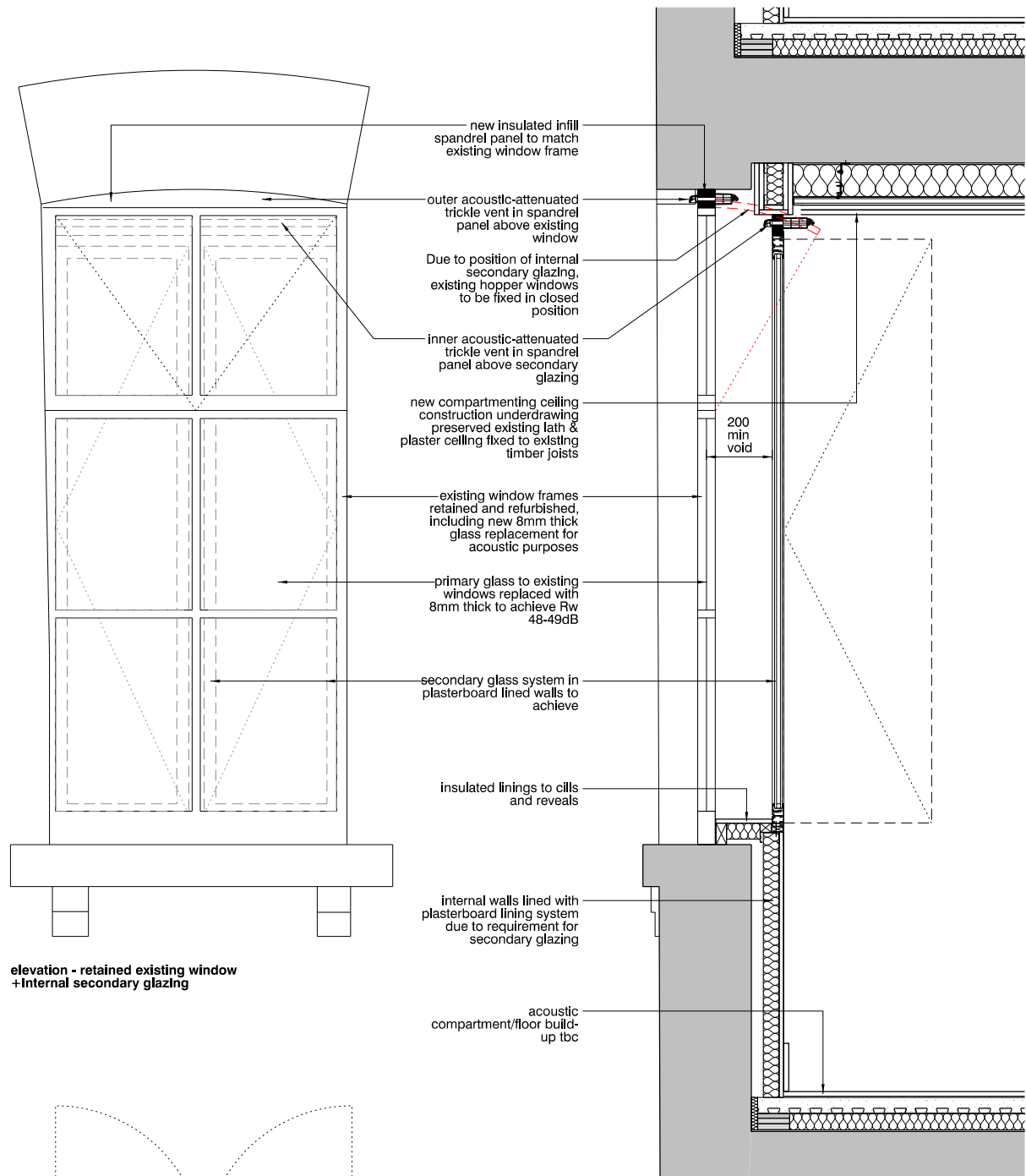
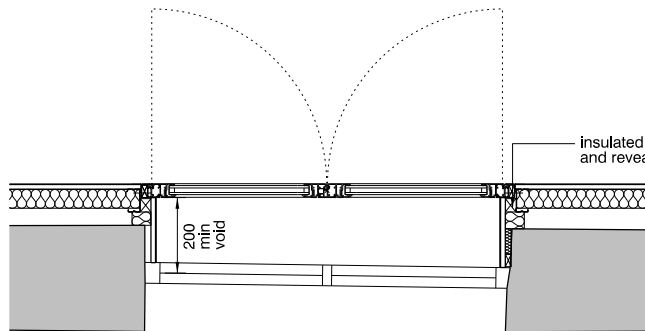




elevation - retained existing window
+Internal secondary glazing

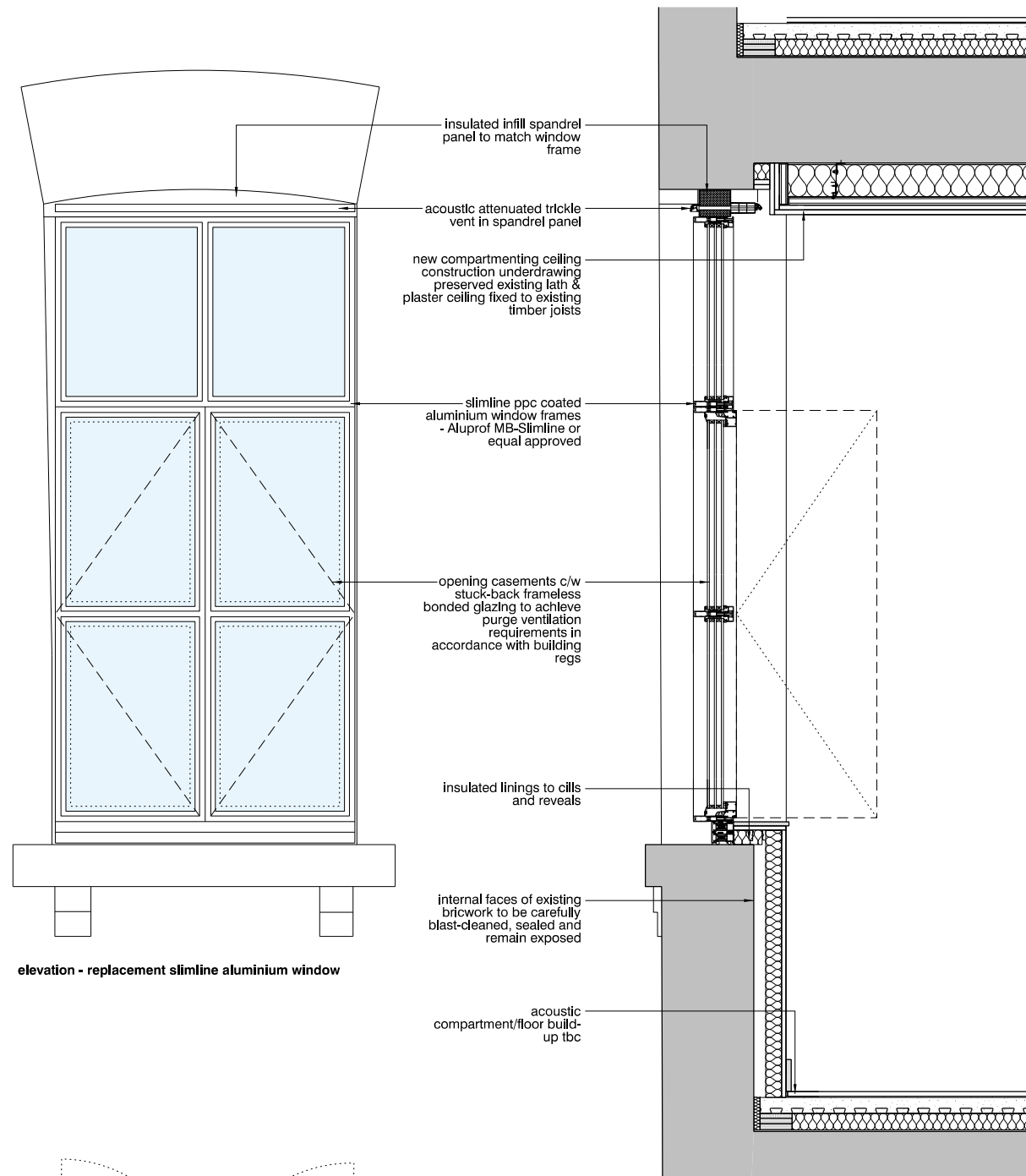
section - retained existing window
+Internal secondary glazing



plan - retained existing window
+Internal secondary glazing

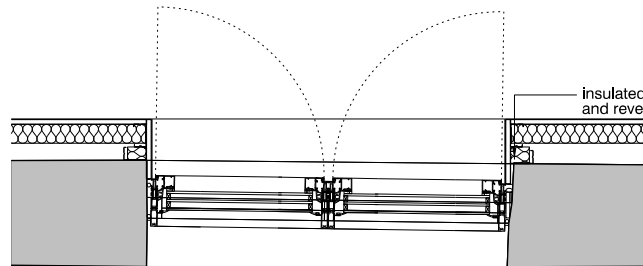
retained existing window +Internal secondary glazing

- primary glass to existing windows replaced with 8mm thick glass, install proprietary secondary glazing system internally
- acoustic performance: Rw 50dB (Rw 49dB required by acoustic report)
 - thermal performance: u-value: 1.27W/m2K or better (below the requisite threshold of 1.2W/m2K as required by Part L1)
 - building regulations: PURGE VENTILATION TO LIVING-DINING SPACES IS NOT ACHIEVABLE VIA EXISTING WINDOW HOPPER VENTS
 - heritage: qualitative loss by concealment of external walls due to plasterboard lining required to accommodate secondary glazing.



elevation - replacement slimline aluminium window

section - replacement slimline aluminium window



plan - replacement slimline aluminium window

replacement slimline aluminium windows

- high performance glazing units complete with stuck-back bonded frameless glazing to opening casements
- acoustic performance: Rw 52dB (Rw 49dB required by acoustic report)
 - thermal performance: u-value: 1.2W/m2K or better (high thermal performance)
 - building regs: all current requirements achieved
 - heritage: qualitative loss by concealment of historic floors and ceilings is compensated by exposure of existing brickwork internally

Proposed front elevation window solution

Proposed rear elevation window solution

revision: date: note:
P01 20221223 preliminary first issue
P02 20230210 general planning update

notes:
- first floor window selected as a typical window treatment - other locations may vary subject to existing historic site conditions



Richmond St elevation

project
51-53 richmond st, manchester
job no.
7593
title
window treatment study
scale
1:20 @ A3
drawing no.
al(05)0120

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