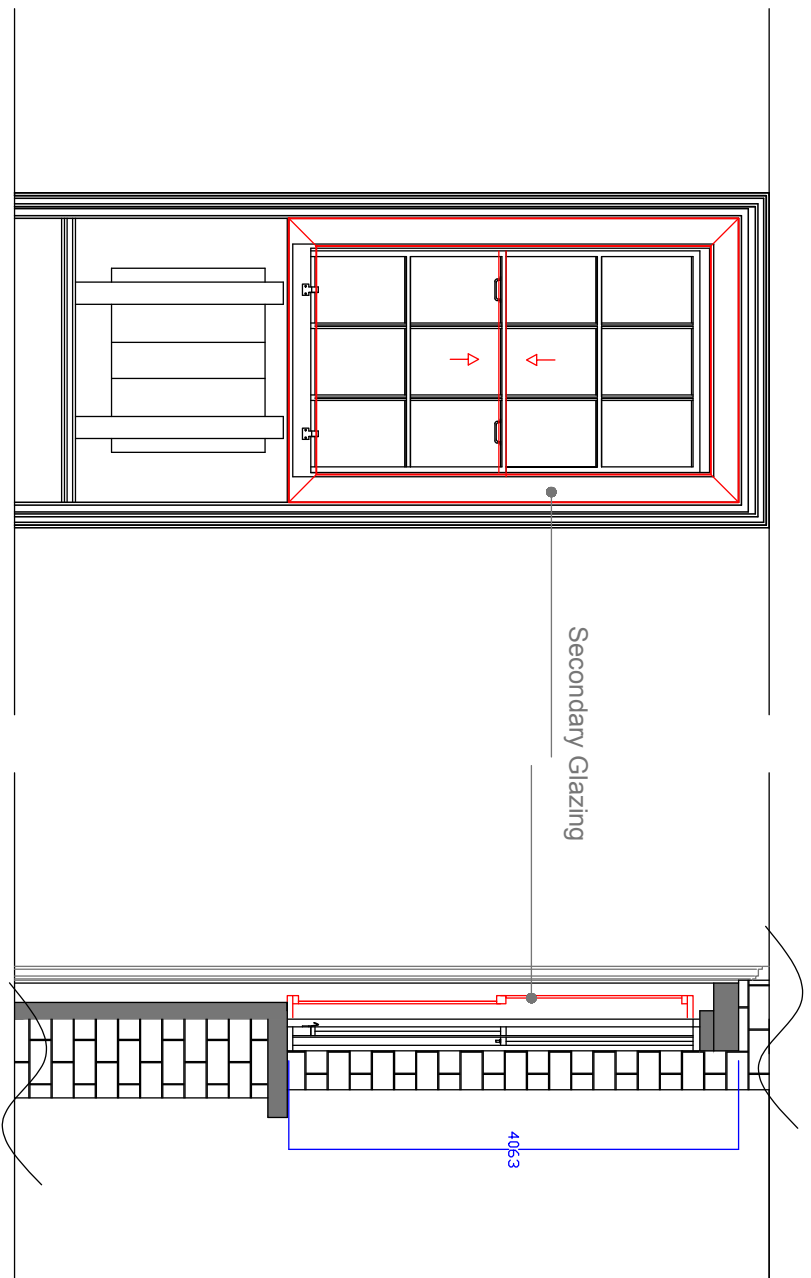


TGR - 33 GREAT QUEEN STREET
WC2B 5AA



PROPOSED FRONT ELEVATION

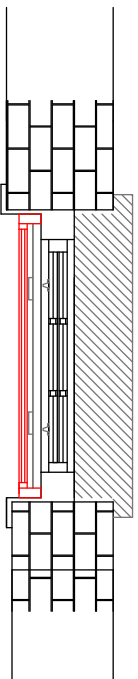
SCALE 1:20

PROPOSED SECTION AA

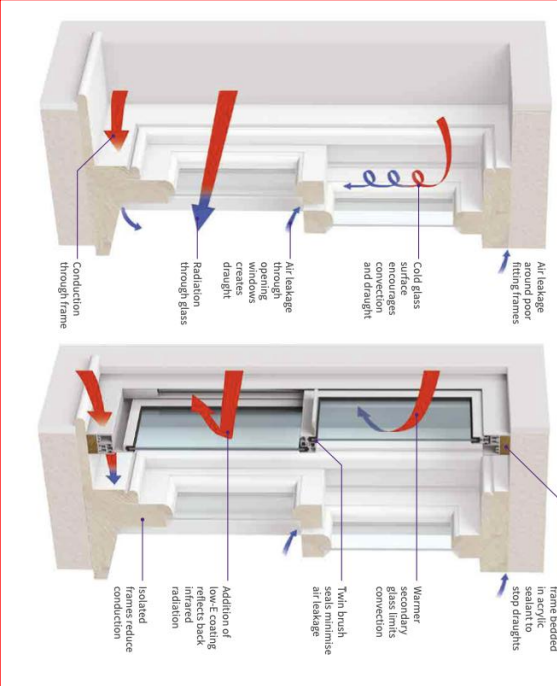
SCALE 1:20

**PROPOSED PLAN
SECTION BB**

SCALE 1:20



How secondary glazing improves thermal performance



Original window...

...with secondary glazing

- Air leakage around poor fitting frames
- Cold glass surface encourages convection and draught
- Air leakage through windows creates draught
- Radiation through glass
- Conduction through frame

- Secondary frame bedded in acrylic sealant to stop draughts
- Warmer secondary convection
- Twice brush seals minimise air leakage
- Isolated frames reduce conduction
- Addition of low-e coating reflects infrared radiation



SCALE 1:20
METRES