



**LEGEND:**

BLUE LINE DENOTES 2m HIGH CLOSE BOARDED TIMBER FENCE, TO BE 0.5m OFFSET FROM RAILWAY BOUNDARY.

RED LINE DENOTES FAÇADES WITH FIRST FLOOR BEDROOM WINDOWS, THAT OVERLOOK OR HAVE SIGNIFICANT VIEW OF RAILWAY.

**ZONE 1: RED**  
 ALL FIRST FLOOR BEDROOMS THAT OVERLOOK OR HAVE A SIGNIFICANT VIEW OF THE RAILWAY TO BE FITTED WITH 8/12/6.4A ACOUSTIC GLAZING  
 (OR ALTERNATIVE WITH MINIMUM 40db Rw) COUPLED WITH A GREENWOOD MA3051 ACOUSTIC WALL VENT  
 (OR ALTERNATIVE WITH MINIMUM 55db DNEW).

**ZONE 2: ORANGE**  
 ALL FIRST FLOOR BEDROOMS THAT OVERLOOK OR HAVE A SIGNIFICANT VIEW OF THE RAILWAY TO BE FITTED WITH 10/12/6 GLAZING  
 (OR ALTERNATIVE WITH MINIMUM 37db Rw) COUPLED WITH A PASSIVENT TVALDN 450 ACOUSTIC TRICKLE VENT  
 (OR ALTERNATIVE WITH MINIMUM 40db DNEW).

ALL OTHER BEDROOMS NOT INCLUDED ABOVE TO BE FITTED WITH 4/12/4 OR 4/16/4 THERMAL GLAZING, WELL-SEALED WHEN CLOSED, WITH A TRICKLE VENT WITH INDIRECT AIR PATH.

ALL OTHER ROOMS TO BE FITTED WITH 4/12/4 OR 4/16/4 THERMAL GLAZING, WELL-SEALED WHEN CLOSED, WITH A TRICKLE VENT WITH INDIRECT AIR PATH.

IN ORDER TO PROVIDE RAPID COOLING TO BEDROOMS IN ZONES 1 & 2 THAT OVERLOOK OR HAVE A SIGNIFICANT VIEW OF THE RAILWAY WITHOUT OPENING WINDOWS, IT IS RECOMMENDED THAT THE TRICKLE VENTILATION SHOULD BE COMBINED WITH A MECHANICAL EXTRACT VENTILATION (MEV) OR A POSITIVE INPUT VENTILATION (PIV) SYSTEM WHICH EXTRACTS/SUPPLIES AIR FROM THE HABITABLE ROOMS, BUT WHICH DOES NOT ALLOW SIGNIFICANT NOISE TO ENTER FROM THE OUTSIDE, EITHER BECAUSE OF THE SYSTEMS ATTENUATION OR BECAUSE IT VENTS TO A QUIET FAÇADE. EITHER 'WHOLE HOUSE' OR 'ROOM BY ROOM' SOLUTIONS ARE AVAILABLE.

A 05.06.2023 GW Staggered opening indicated within acoustic fence at level crossing footpath access.

Rev	Date	By	Description
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**RIPPON HOMES**  
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Development:  
**RUSHBY MEADOWS**

Drawing:  
**Acoustic Mitigation Requirements**

Scale: 1:500 @ A2	Date: 10.02.2023
Drawing No: 196.22.045A	Revision: A