

LEGEND :



Supply air grille



Extract grille



Semiflexible extract duct



Semiflexible supply duct



Rigid extract duct



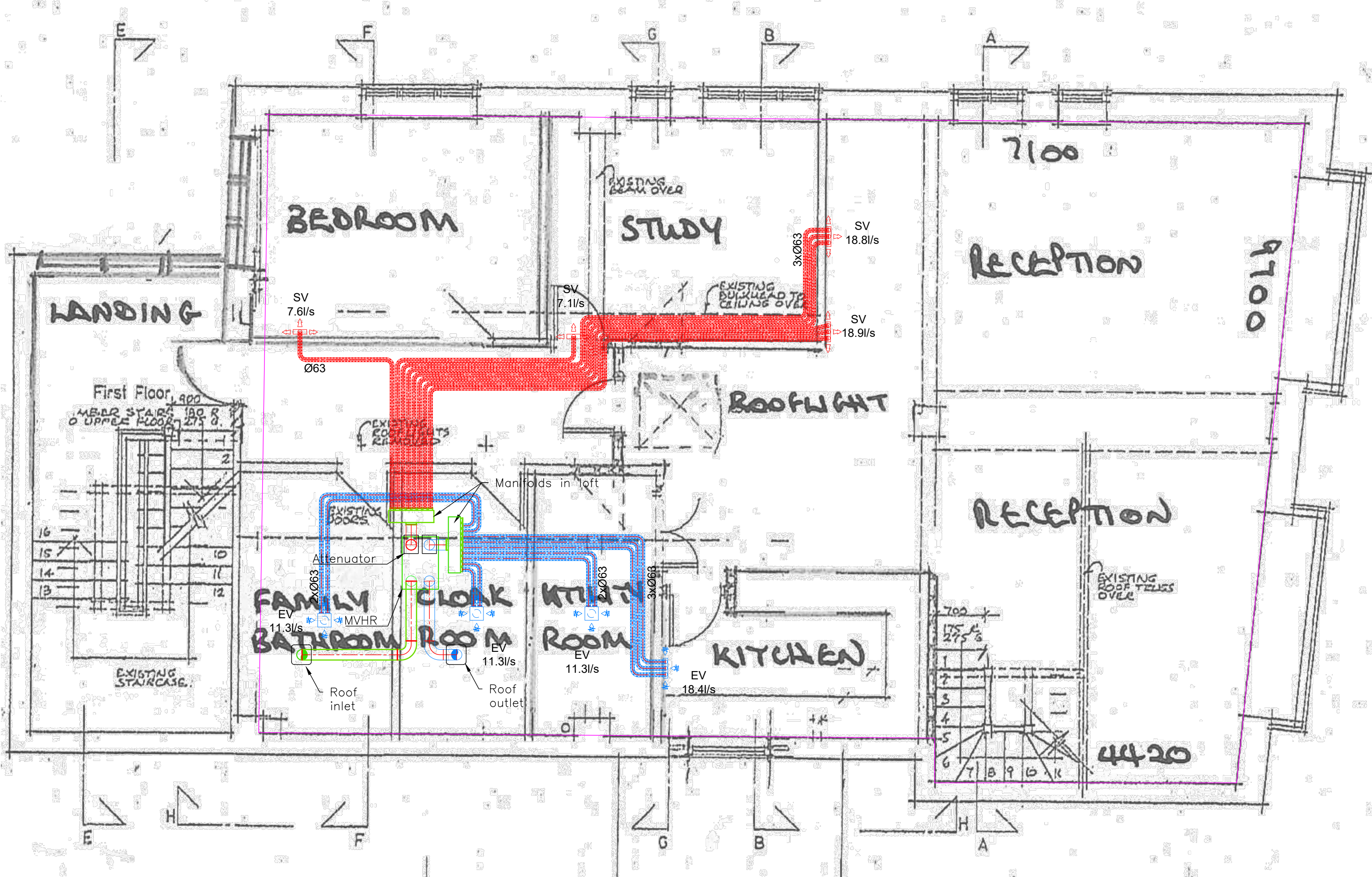
Rigid supply duct

MVHR Duty:

Boost rate = 52.4 l/s
Trickle rate = 45.6 l/s
External resistance at boost rate = 150Pa

Assumptions :

Ceiling height variable
Total area of 152 m²
2 person occupancy



PLVCU Grille Plenum



MHU Distribution Manifold



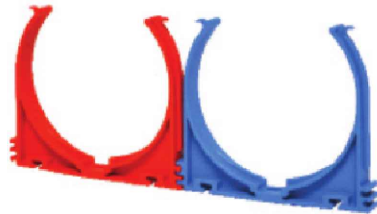
LFPE Semi Rigid Ducting
(50m Coils)



Typical Air Valve



Clips



NOTES:

1. The calculations have been produced using both the BPEC training guide and part F of the building regulations. The information is given only for use with genuine Lindab specified products.
2. All duct runs will take the most direct and appropriate route unless specified otherwise. This schematic ducting layout and unit positioning are for guideline purposes only. The design assumes that the ceiling/walls voids are sufficient to accommodate the ducting.
3. To ensure good transfer of air throughout the dwelling, there must be an undercut of minimum area 7600mm² under all internal doors above the floor finish.
4. Final design to be agreed after further consultation about site conditions and client preference on unit positioning. It is important that you inform us if the building design has changed in anyway or there are any major alterations. All dimensions to be verified on site by Main Contractor before the commencement of any working drawing or work whatsoever.
5. All ventilation units must be installed in accordance with the relevant installation instructions. The electric and plumbing works related to the units should be completed by your electrician and plumber respectively for Building Regulations compliance. A separate fused spur supply is required. Each MVHR unit requires a condensate drain.
6. Air ductwork from outside up to MVHR unit connection to be insulated. Any duct that is located or passes through a cold space i.e., roof, garage or plant room must be fully insulated.
7. Standard non-fire rated valves will be included unless fire rated valves have been explicitly asked for.
8. As stated in clauses 2.16 - 2.17b of Approved Document B, all ductwork that passes through a fire protected escape route is to be of a rigid steel and to be suitably fire protected.
9. As we are not always aware of passive fire protective arrangements, we do not allow for this within our offer unless instructed to do so. If you are unsure of your exact requirements, we advise that you consult either your fire officer or your local building control for guidance.

PURPOSE

TENDER ISSUE

JOB REFERENCE

Morrisson Hall
Salisbury

TITLE

Ground floor
Ventilation Layout

DRAWN BY

MT

CHECKED

KB

DATE

JUL'25

SCALE

1:50@A2

CAD REF:

-

XREF

N/A

DRAWING No

2777/2025

REVISION

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