



- Where the infiltration rate is not less than 3mm/3m<sup>2</sup> @ 50 Pa, the minimum infiltration rate for the apartment (aEVE) units should be installed in rooms where it is likely to be high humidity such as Kitchens, Bathrooms and Shower Rooms. aEVE should be designed, installed and commissioned to ensure a minimum continuous infiltration rate in accordance with the following:
- 13m<sup>2</sup> 6 litres/sec with 4 litres/sec boost
  - Utility room 4 litres/sec with 4 litres/sec boost
  - Bathroom 4 litres/sec with 4 litres/sec boost
  - Toilet 2 litres/sec with 6 litres/sec boost
- Heating: Bore Bore Water Circulation Heating Controls to be specified in S2AP 2012 calculations. Radiators to have air panels and radiators 1.5m x 0.4m.
- 25mm Super Guard Multi-Purpose Acoustic Mat: min wall min depth of 10kg/m<sup>3</sup>
- 25mm Super Guard Multi-Purpose Acoustic Mat: min wall min depth of 10kg/m<sup>3</sup>


STANDARD 2.11.1		FIRE DETECTION AND FIRE ALARM SYSTEMS
TYPE	RECOMMENDED LOCATION	
OPTICAL SMOKE ALARM TO BS EN 14604: 2005	PRINCIPAL HABITABLE ROOM - LOUNGE OR OPEN PLAN AREA - HALLWAYS AND STAIRWELLS ADJACENT TO KITCHENS	
IONISATION SMOKE ALARM TO BS EN 14604: 2005	HALLWAYS AND STAIRWELLS ADJACENT TO BATHROOMS OR SHOWER ROOMS	
MULTI SENSOR ALARM TO BS 5839: Part 6: 2004	UPPER AND LOWER HALLWAYS WITHIN 3 METRES OF BEDROOM DOORS	
HEAT ALARM TO BS 5446: Part 2: 2003	KITCHEN	

STANDARD 3.20.20		CARBON MONOXIDE DETECTION
TYPE	RECOMMENDED LOCATION	
CO DETECTION SYSTEM to BS EN 50291 -1:2010 EUROPEAN DIRECTIVE 2006/95/EC	EVERY SPACE CONTAINING A FIXED COMBUSTION APPLIANCE - BOILER INCLUDING EXTENDED FLUES	

- C.B.S.E. Regulations 1986
21. The maximum air speed from each fan should be  $\leq 3\text{m/s}$  @ 50 Pa. Decompressed mechanical Exhaust Ventilation (dMEV) units should be installed in the Kitchen, Bathrooms and Showers Rooms. dMEV should be designed, installed and commissioned in accordance with minimum continuous extraction rates in accordance with the following:
- Kitchen 6 litres/sec with 13 litres/sec boost  
Bathroom 4 litres/sec with 13 litres/sec boost  
Bathroom 4 litres/sec with 13 litres/sec boost  
Bathroom 4 litres/sec with 13 litres/sec boost  
Toilet 3 litres/sec with 6 litres/sec boost
22. The Kitchen, Bathrooms and Showers Rooms Heating controls should be specified in SAP 2012 calculations. Radiators to have panels and radiators to be installed in accordance with the following:
- Bathrooms: 12mm MRB Solid Board to Bathrooms side of 75mm timber stud and 12.5mm Wallboard (100mm) to other side of 75mm timber stud.  
Kitchens: 12mm MRB Solid Board to Bathrooms side of 75mm timber stud and 12.5mm Wallboard (100mm) to other side of 75mm timber stud.  
Showers: 25mm Super Glass Multi-Purpose Acoustic Mat with wall min density of 10kg/m<sup>2</sup>  
Bathrooms: 25mm Super Glass Multi-Purpose Acoustic Mat with wall min density of 10kg/m<sup>2</sup>

Diagram showing the layout of the proposed building footprint. The overall footprint is 1400 units wide and 1100 units deep. It includes a 1000x800mm maneuvering space, a 700x400mm future stairs lift, and a 700x400mm maneuvering space. A pink rectangle indicates the location for 'Robust Wall Detailing'.

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Drawing: <div>  <h1>MUIRFIELD</h1> <p>4 BED DETACHED 1447 SQ. FT.</p> </div>		Scale: 1:50 / 1:100	Date: JAN '17	Drawn: -
Drawing No. MUIRFIELD (2015) (EN) T-KIT-001		Rev. G		

