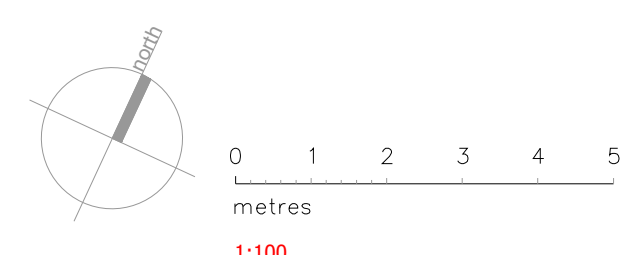


- 1 THE INSTALLATION SHALL COMPLY WITH ALL LOCAL AUTHORITY BYELAWS, BRITISH STANDARDS AND THE TECHNICAL STANDARDS (BUILDING REGULATIONS)
- 2 VENTILATION SYSTEMS SHALL BE SUPPLIED, CONSTRUCTED AND COMMISSIONED IN ACCORDANCE WITH THE FOLLOWING STANDARDS:-
BS EN 12799:2007
BS EN 12227:2003
BS EN 1507:2006
BS EN 1505:1998
BS EN 1506:2007
BS EN 1505:2007
BS EN 1503:2006
BS EN 1507:2003
HVA DW 14, DW154, DW172
CIBSE COMMISSIONING CODE A
- 3 DUCTWORK SHALL BE CONSTRUCTED TO CLASS A - LOW PRESSURE
- 4 DUCTWORK JOINTS SHALL BE SEALED WITH THE CORRECT SEALANT GASKETS OR TAPE. THE MATERIALS USED SHOULD BE SUITABLE FOR THE PURPOSE INTENDED AND SATISFY THE SPECIFIED PRESSURE CLASSIFICATION
- 5 ALL PLANT AND DUCTWORK SHALL BE INSTALLED IN SUCH A MANNER THAT NO VIBRATION SHALL BE TRANSFERRED FROM THE PLANT TO THE BUILDING STRUCTURE. THIS SHOULD BE ACHIEVED THROUGH THE USE OF PROPRIETARY AIR BRACKETS AND HANGERS
- 6 TURNING VANES SHALL BE UTILISED ON ALL SQUARE THROAT BENDS WHERE EITHER DUCT DIMENSION IS GREATER THAN 200mm. TURNING VANES SHALL BE DOUBLE SKIN AEROFOL TYPE
- 7 ALL DUCTWORK SHALL BE SECURELY FIXED TO BUILDING STRUCTURE
- 8 WHERE SHOWN, FIRE DAMPERS SHALL BE INSTALLED WHERE DUCTWORK PASSES THROUGH FIRE BARRIERS, FLOORS AND COMPARTMENT WALLS
- 9 ALL EQUIPMENT SHALL BE INSTALLED AND COMMISSIONED IN LINE WITH THE MANUFACTURERS INSTRUCTIONS AND RECOMMENDATIONS
- 10 THE CONTRACTOR SHALL CARRY OUT FULL SITE SURVEY TO DETERMINE BOTH EXTENT & NATURE OF WORKS
- 11 THE CONTRACTOR SHALL ALLOW FOR THE SUPPLY AND INSTALLATION OF ALL NECESSARY SUPPLEMENTARY FITTINGS, COMPONENTS AND EQUIPMENT TO SUPPORT A FULLY FUNCTIONING SYSTEM AND TO CO-ORDINATE WITH ALL OTHER SERVICES & BUILDING FABRIC/STRUCTURE
- 12 ALL MFIU FRESH AIR INTAKE AND EXTRACT DUCTING SHALL BE INSULATED IN ACCORDANCE WITH BS5422:2006
- 13 ALL BRANCH DUCTING TO HAVE VOLUME CONTROL DAMPERS
- 14 FIRE RESISTING DUCTWORK INTO THIS SHOULD MEET THE APPROPRIATE FIRE RESISTANCE OF INTEGRITY AND INSULATION PERIOD FOR THE SPECIFIC APPLICATION. FIRE RESISTING DUCTWORK SHALL BE INSTALLED IN ACCORDANCE WITH BS EN 1891:2013 AND CLASSIFIED IN ACCORDANCE WITH BS EN 1891:2013 AND BS EN 12814:07. A RECOMMENDED QAHS ACCREDITED LABORATORY



- LEGEND:
- VCD - VOLUME CONTROL DAMPER
- SFD - MOTORISED SHOWER FIRE DAMPER
- FD - FIRE DAMPER
- EGG - EGGCRATE GRILLE 4 WAY OPPOSED BLADE DAMPER
- SG - SUPPLY GRILLE 4 WAY LOUVER FACE OFFUSER FINISH RAL 9010
- W - WALL MOUNTED EXHAUST LOUVER
- IL - IN-LINE EXTRACT FAN
- EF - EXTRACT FAN
- LC - LOCAL FAN CONTROLLER
- HB - HEATER BATTERY
- AT - ATTENUATOR
- CE - CEILING MOUNTED EXTRACT FAN
- LO - LOUVER
- CTA - CROSS TALK ATTENUATOR
- FRD - FIRE RATED DUCT (INTEGRITY AND INSULATION) REFER TO NOTE 14

Rev.	Description	Date	By	Checked
1	UPDATED TO SUIT ALTERATIONS BELOW	15/06/25	NM	NM/N

Project: TENDER

Client: SIMPLY UK

Location: HOOK LANE PAGHAM

Drawing Title: MECHANICAL SERVICES ROOF LEVEL PROPOSED VENTILATION LAYOUT

Drawn by: NM

Checked by: NM

Scale: 1:100

Project Ref: 9418

Doc No: M40-PI57/001

Rev: A

CHARLES SCOTT PARTNERS CONSULTING ENGINEERS

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9418 M40-PI57/001 A

1:100 0 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m

11 0 10 20 30 40 50 60 70 80 90 100

TYPICAL COWL FOR LAUNDRY DISCHARGE AND MAKE UP AIR

Supply/Extract Cowl rigid flame retardant cowl, conforming with BS476 (Part 1 class 1) supplied in grey (BS 00 A 05) as standard (any BS or RAL colours available), fixing directly to the base using non-rusting sealed fixings. Air plenum is manufactured from galvanised steel incorporating supply & extract chambers. Rigid spigots are provided for connection of duct work. Supply & extract chamber is fitted with a bird guard.

Typical code: TRSE1

Code	A	B	C	D	E	F	G	Weight Kg
TRSE1	900	620	340	460	600	200	100	21.3
TRSE2	900	620	340	460	600	200	125	21.3
TRSE3	900	620	340	460	600	200	150	21.3
TRSE4	1320	964	475	700	945	345	200	41.4
TRSE5	1320	964	475	700	945	345	250	41.4
TRSE6	1320	964	475	700	945	345	315	41.4
TRSE7	1780	1170	489	900	1150	450	400	76.8

Resistance to airflow of this item is negligible.

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