

FOR CONTINUATION PLEASE SEE DRAWING: NB-04-DR-M-570002



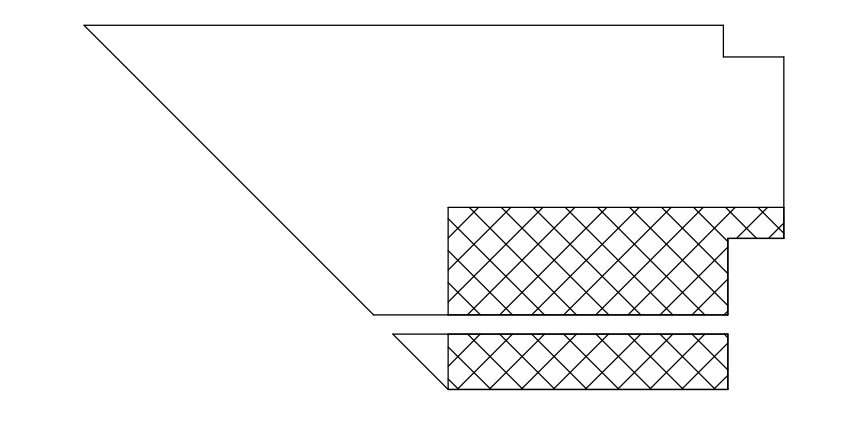
bsi
BRE Engineering
KITE MARK



SAFETY
First & Foremost

SAFETY, HEALTH & ENVIRONMENTAL INFORMATION
For details of the wide and general risks to be read in conjunction with these notes, refer to the following documents:

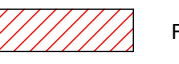
No specific SHE risks have been identified for the contents of this drawing.

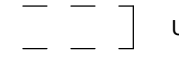


- NOTES:**
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL MECHANICAL, ELECTRICAL, ARCHITECTURAL, INTERIOR DESIGNER & STRUCTURAL DRAWINGS, MECHANICAL EQUIPMENT SCHEDULES, CONTRACT DOCUMENTATION AND SPECIFICATION ASSOCIATED WITH THE WORKS AND DETAILS OF EQUIPMENT POSITIONS, AND PROPOSED WORKS BY OTHERS.
 - THIS DRAWING FORMS PART OF THE SPECIFICATION AND CONTRACT DOCUMENTS FOR THE WORKS.
 - ANY DEVIATIONS FROM THIS DRAWING SHALL BE RECORDED AND RETURNED TO INFORM THE RECORD DRAWING.
 - ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED. UNDER NO CIRCUMSTANCES SHOULD DIMENSIONS BE SCALED FROM THIS DRAWING.
 - INSTALL IN LINE WITH MANUFACTURERS GUIDANCE FOR DUCT, FITTINGS, EQUIPMENT, AND PLANT.
 - DUCTWORK MANUFACTURED AND INSTALLED IN ACCORDANCE WITH DW144.
 - KITCHEN EXTRACT DUCTWORK MANUFACTURED AND INSTALLED IN ACCORDANCE WITH DW172.
 - ALL KITCHEN EXTRACT DUCTWORK SUPPORTS ARE TO BE FIRE RATED UNLESS STATED OTHERWISE IN THE SPECIFICATION, THE LEVEL OF CLEANLINESS SHALL BE IN LINE WITH HVCA TR/19 TABLE F2 - INTERMEDIATE FDI LEVEL.
 - UNLESS STATED OTHERWISE IN THE SPECIFICATION, THE DUCTWORK CONTRACTOR SHALL INSTALL ACCESS DOORS FITTED IN ACCORDANCE WITH HVCA TR/19 TABLES 3, 4 AND 5. ALL ACCESS DOORS TO BE INSULATED TYPE.
 - VCDs ARE INSTALLED ON ALL MAIN, SUB MAIN AND TERMINAL BRANCHES UNLESS DRAWING INDICATES SELF-BALANCED HEADER.
 - ALL METAL DUCTWORK PENETRATIONS THROUGH A FIRE COMPARTMENT OF ANY RATING SHALL HAVE FIRE DAMPERS WHICH ARE INDEPENDENTLY SUPPORTED TO THE BUILDING STRUCTURE AND COMPLETE WITH INSTALLATION FRAMES.
 - ALL PLASTIC DUCTWORK PASSING THROUGH A FIRE COMPARTMENT OF ANY RATING SHALL HAVE AN INTUMESCENT BLOCK INSTALLED TO MEET THE SAME RATINGS WHICH SHALL BE INDEPENDENTLY SUPPORTED TO THE BUILDING STRUCTURE.
 - ALL FIRE DAMPERS HAVE VISUAL INDICATION STATUS.
 - ALL RECTANGULAR DUCTWORK, AND CIRCULAR OVER 250 DIA SHALL HAVE MULTI-LEAFED ORB TYPE VCDs.
 - SUPPLY GRILLE FLEXIBLE CONNECTIONS ARE FULLY INSULATED AND OF THE ACOUSTIC FLEX TYPE (500MM MAX).
 - FREE ISSUE FILTER MEDIA IS INSTALLED BY THE DUCTWORK CONTRACTOR PRIOR TO PROJECT COMPLETION.
 - THE DISHWASHER EXTRACT SYSTEM IS INSTALLED IN STAINLESS STEEL AS PER PROJECT SPECIFICATION.
 - SLEEVES ARE INSTALLED THROUGH ALL WALLS.
 - UNLESS STATED OTHERWISE IN THE SPECIFICATION, THE FOLLOWING MINIMUM SHALL APPLY TO DAMPER TESTING: 100% OF FIRE AND MOTORISED DAMPERS SHALL BE TESTED, WITH 50% OFFERED TO NSB AND 10% TO THE CLIENT BUILDING CONTROL. FINAL SIGN OFF.
 - ALL DUCTWORK COMPONENTS SHALL BE INDEPENDENTLY SUPPORTED TO THE BUILDING STRUCTURE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
 - DOOR UNDERCUTS SHALL BE 10MM UNLESS NOTED OTHERWISE.
 - ALL EXTRACT RILLROUTES TO INCLUDE WIRE MESH ON INTAKE TOP PREVENT DEBRIS ENTERING THE SYSTEM.

LEGEND:

VCD	VOLUME CONTROL DAMPER
FD	FIRE DAMPER
IC	INTUMESCENT COLLAR
ATT	ATTENUATOR
CTA	CROSSTALK ATTENUATOR
VAV	VARIABLE AIR VOLUME BOX
CAV	CONSTANT AIR VOLUME BOX
FG	FLOOR GRILLE
SG	SUPPLY GRILLE
EG	EXTRACT GRILLE
ESG	EXHAUST GRILLE
FCU	FAN COIL UNIT
GSA	GENERAL SUPPLY
EXH	EXHAUST AIR
FAI	FRESH AIR INTAKE
FEA	FUME EXTRACT
KEA	KITCHEN EXTRACT
KSA	KITCHEN SUPPLY
SEA	SMOKE EXTRACT
DEA	DIRTY EXTRACT
PFL	FINISHED FLOOR LEVEL
APFL	ABOVE FINISHED FLOOR LEVEL
CL	CENTRE LINE
IN	INVERT LEVEL
FA	FROM ABOVE
FB	FROM BELOW
RTA	RISE TO ABOVE
LT	LOW LEVEL
HL	HIGH LEVEL
RTL	RISE TO HIGH LEVEL

 FIRE RATED DUCTWORK

 UNDERFLOOR DUCTWORK

Rev	Description	Date
001	Comments Incorporated	20/11/22
002	Construction Issue	24/06/22
003	Comments Incorporated	24/02/22
004	Comments Incorporated	17/02/22
005	Comments Incorporated	09/11/21
006	Preliminary Issue	22/08/21



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Drawn By:
J Parker

Title:
Ventilation Fourth Floor Sheet 4 of 4

Issue Date:
23/11/22

Status:	A1 - Approved & Accepted	Scale:	1 : 50	Sheet Size:	A0	Rev:	C02
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