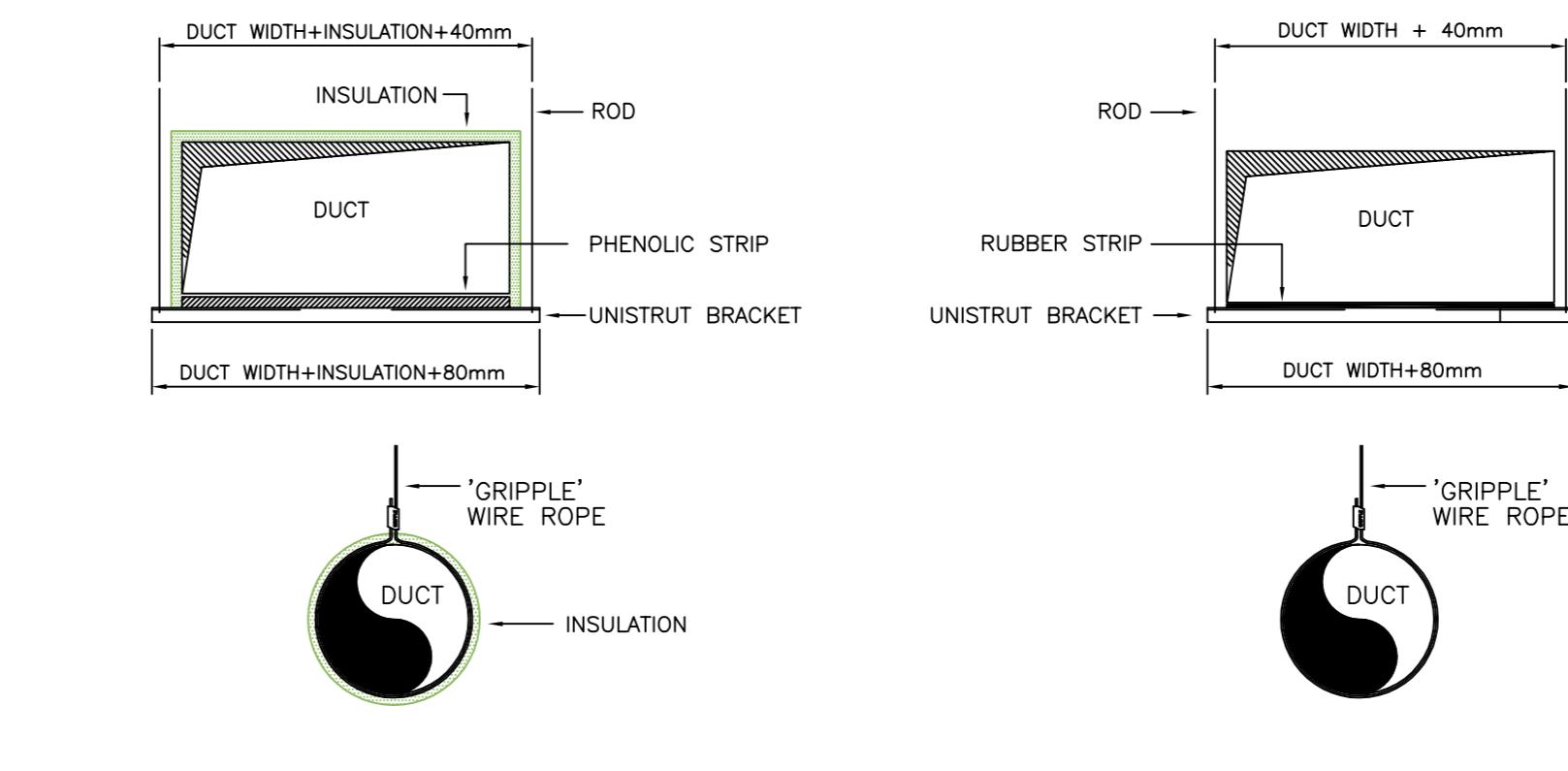
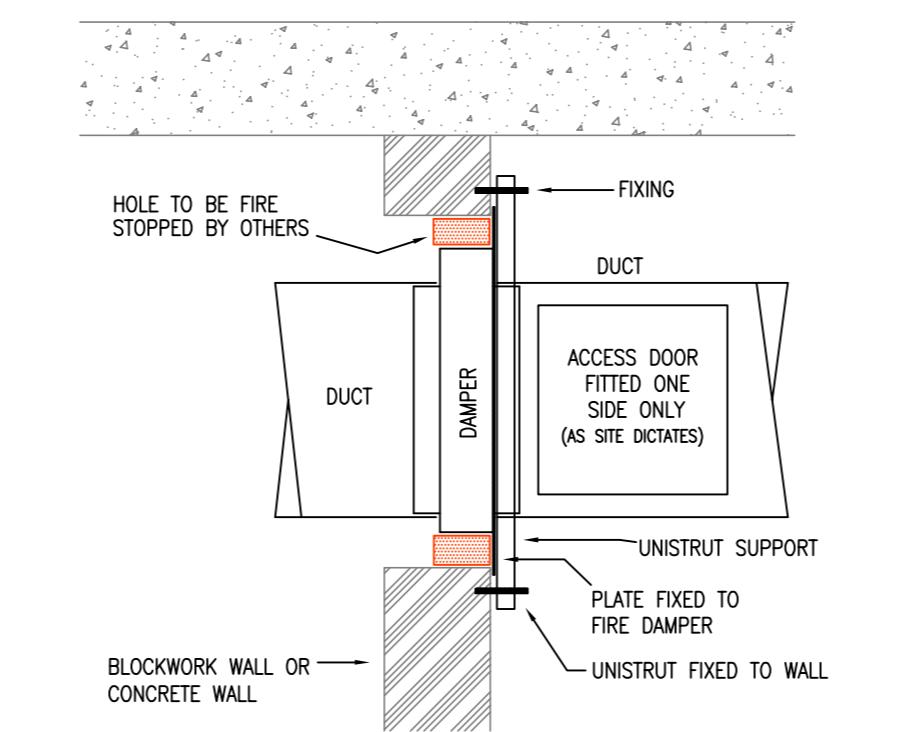
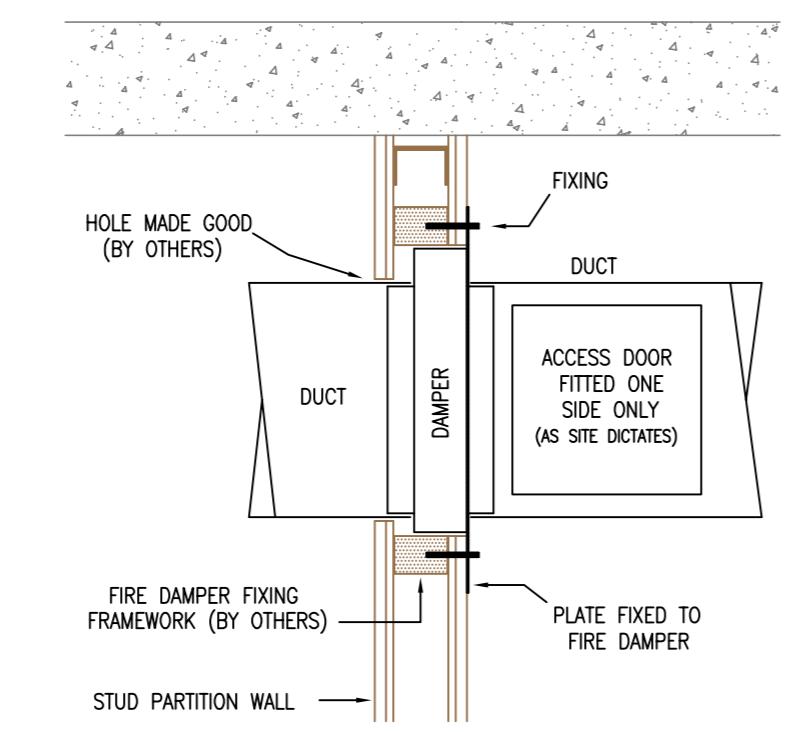


INSULATION REQUIREMENTS FOR DUCTWORK						
AREA / SYSTEM	AHU'S		FAN'S			DUCTS
	SUPPLY AIR	RETURN AIR	FRESH AIR	EXHAUST AIR	TOILET EXTRACT	
ROOF PLANT ROOM	YES	YES	NO	NO	NO	NO
RISER	YES	YES	NO	NO	NO	NO
CEILING VOID	YES	NO	YES	NO	NO	NO
EXPOSED AREA	NO	NO	NO	NO	NO	NO
BASEMENT PLANTROOMS	YES	YES	YES	NO	NO	NO

SUPPLY AIR  
 RETURN AIR  
 FRESH AIR  
 EXHAUST AIR  
 TOILET EXTRACT  
 SMOKE EXTRACT (FIRE RATED)



ACCESS PANELS LOCATION FOR INSPECTION PURPOSES		
EQUIPMENT	QUANTITY	SIZE
CONTROL DAMPERS	1 No.	MIN SIZE 300x300
FIRE DAMPERS	1 No.	MIN SIZE 300x300
HEATING / COOLING COIL	1 No.	MIN SIZE 300x300
ATTACHMENT FIXTURE	1 No.	MIN SIZE 300x300
FILTER SECTIONS	1 No.	MIN SIZE 300x300
AIRTURN VANES	NONE REQD	NOT APPLICABLE
CHANGE OF DIRECTION	NONE REQD	NOT APPLICABLE
IN DUCT FAN / DEVICES	1 No.	MIN SIZE 300x300

PLEASE NOTE ACCESS DOORS ALSO LOCATED IN VARIOUS LOCATION TO KEEP MAXIMUM OF 10M CENTRES FOR INSPECTION PURPOSES ONLY

SUPPORTS FOR HORIZONTAL DUCTS	
DUCT SIZES	DROP ROD SIZE
DUCTS UPTO 1000mm (W or H)	8mm
DUCTS UPTO 1500mm (W or H)	10mm
DUCTS UPTO 2000mm (W or H)	10mm
DUCTS ABOVE 2000mm (W or H)	12mm

DUCTS

UNISTRUT

RUBBER STRIP

ROD

UNISTRUT BRACKET

DUCT WIDTH + 80mm

DUCT WIDTH + 40mm

'GRIPPLE' WIRE ROPE

NOTES

ALL DUCTWORK IS TO BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH DW-144 CLASS 'A' TRIN POI LEVEL 2

VCD DENOTES RECTANGULAR 'NCA' TYPE MULTI-BLADE VOLUME CONTROL DAMPERS c/w GALVANISED BLADES

VCD DENOTES CIRCULAR 'NCA' TYPE MULTI-BLADE VOLUME CONTROL DAMPERS c/w GALVANISED BLADES FOR DUCTS OVER 315 DA

SBD DENOTES SINGLE BLADE VOLUME CONTROL DAMPERS FOR DUCTS 315 DA AND BELOW

FD DENOTES 'NCA' TYPE FIRE DAMPER

SBD DENOTES SINGLE BLADE TYPE FIRE DAMPER FOR DUCTS 160W AND BELOW - NO ACCESS DOOR REQD.

AP DENOTES DUCTWORK ACCESS PANEL



#### Safety, Health & Environmental Information

For details of site wide and general risks to be read in conjunction with these notes, refer to the following documents:

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:  
Construction and Manufacture  
No abnormal risks.

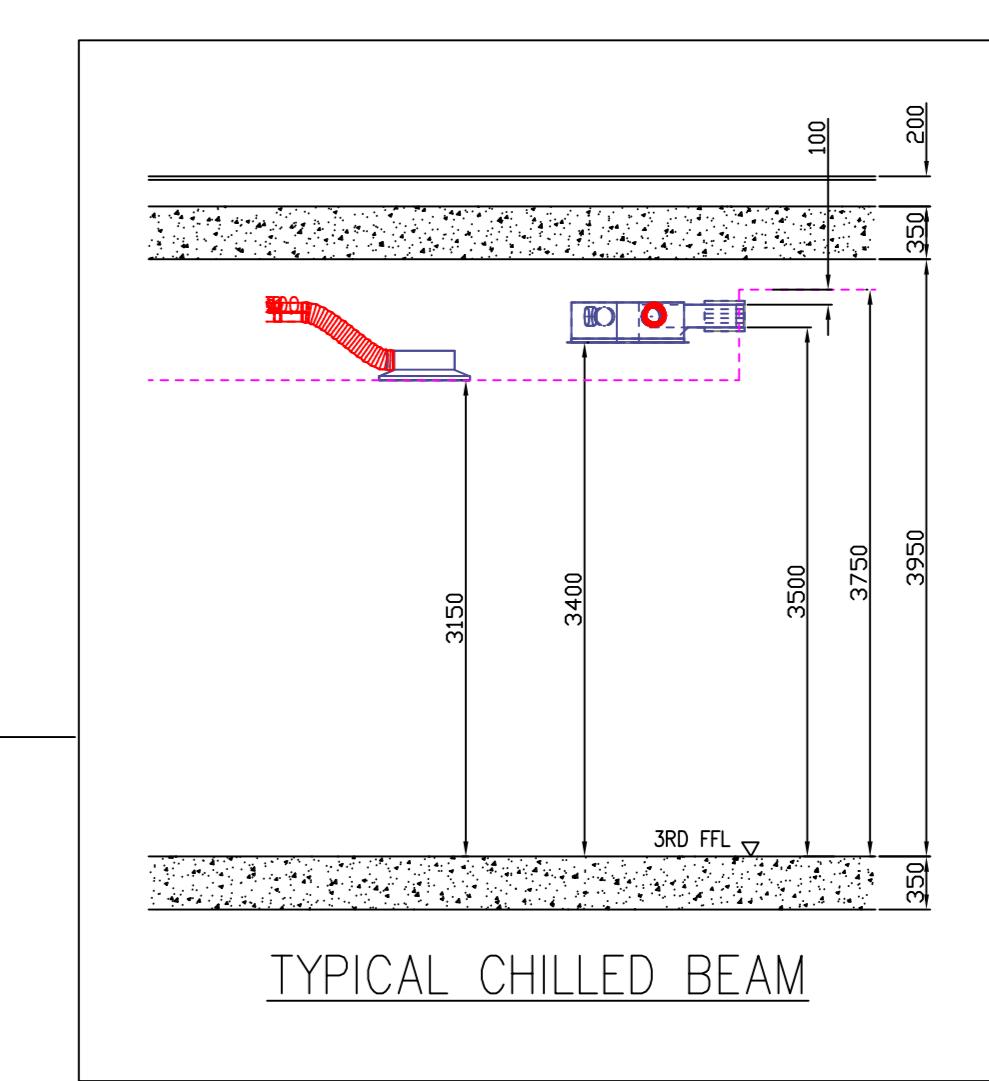
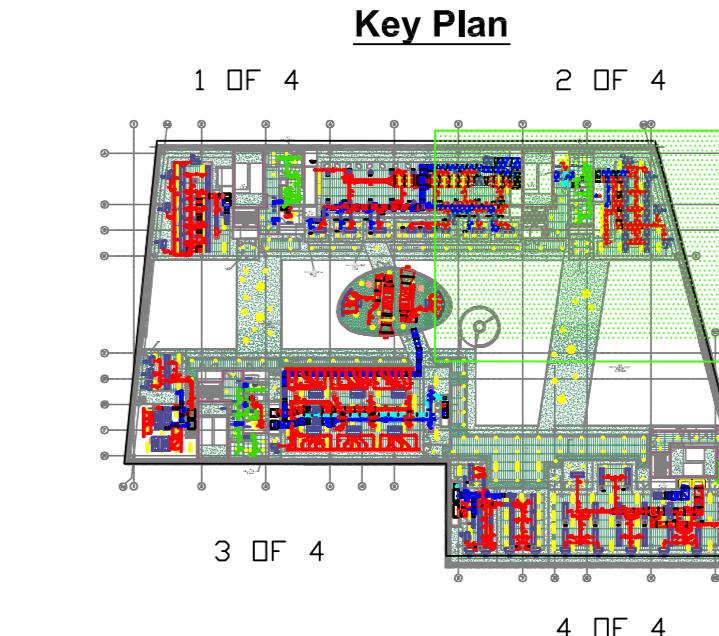
#### Maintenance, Cleaning and Operation

No abnormal risks.

#### Decommissioning and Demolition

No abnormal risks.

It is assumed that all work associated with this drawing will be carried out by competent operatives working, where appropriate, to an approved method statement.



B	05/01/15	ON-GOING MODIFICATIONS	AG	NC
A	14/11/14	ISSUED FOR CONSTRUCTION	AG	NC
Rev	Date	Description	Eng	CDA

AMG Sheet Metal Ltd  
Unit 37  
Hopper Hill Court  
Scarborough Business Park  
Scarborough  
YO11 3YJ

Phone - 01723 588086 / Fax - 01723 588056 / Email - cad@amgsheetmetal.co.uk

**AMG**  
Sheet Metal

Client THE UNIVERSITY OF SHEFFIELD

Contractor NEW ENGINEERING BUILDING SHEFFIELD  
Engineer A GARTON  
Signed

Checked By  
Signed

Tim VENTILATION LAYOUT  
THIRD FLOOR  
SHEET 2 OF 4  
Drawn by N CLOSE  
Issue Date 14-11-2014

Status CONSTRUCTION Scale 1:50 Sheet Size A0 Rev B

Drawing No. AMG-34676-M57-0302

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