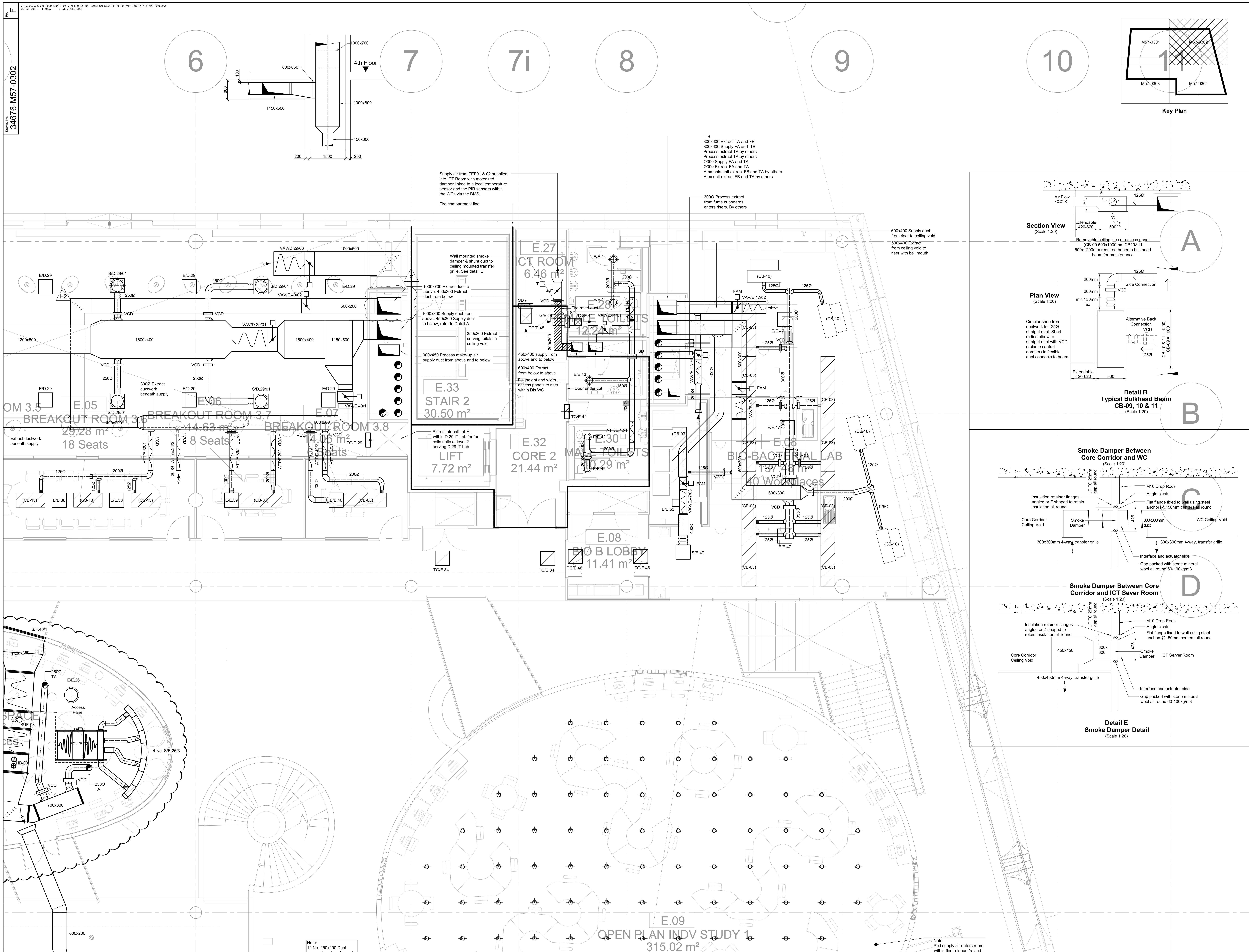

4th Floor
Key Plan
Section View
Plan View
Detail B
Typical Bulkhead Beam
CB-09, 10 & 11
Smoke Damper Between
Core Corridor and WC
Smoke Damper Between Core
Corridor and ICT Sever Room
Detail E
Smoke Damper Detail
E.27
ICT ROOM
6.46 m²
E.33
STAIR 2
30.50 m²
E.32
CORE 2
21.44 m²
LIFT
7.72 m²
E.08
BIO B LOBBY
11.41 m²
E.09
OPEN PLAN INDV STUDY 1
315.02 m²
80 Workplaces
Note:
12 No. 250x200 Duct connections from below to floor void/raised floor plenum. Refer to drawing 34676-M57-0202 & 0204
Note:
Pod supply air enters room within floor plenum/raised floor via circular floor diffusers. 100No. 200Ø @ 1.5m centres. S/E.49/2

This Drawing references The Following Files:
Twelve Architects layouts issued to Asite 22-09-2014: Z(GA)090_Iss7, Z(GA)100_Iss8, Z(GA)110_Iss7, Z(GA)120_Iss7, Z(GA)130_Iss7, Z(GA)140_Iss70 and revit model 'NEB_Project File' issued to Asite 08-08-2014: Z(GA)150, Z(GA)160

SAFETY
First & Foremost

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

H1 - Ductwork in riser to be installed prior to construction of riser wall in female WC. Supply duct to be installed per insulated kool duct system.

Maintenance, Cleaning and Operation

H2 - Two storey high space with raised access floor unsuitable for MEWP or scissor lift access..

Decommissioning and Demolition

No abnormal risks.

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

Notes

1. Do not scale from the drawing. If in doubt request further information.
2. This information represents a Contract issue drawing in which the spatial coordination has been considered with respect to building fabric and other services. The Ductwork contractor will be expected to undertake a site measure taking congnisance of building and other services to produce fabrication drawings of the ductwork installation.
3. Refer to all electrical, mechanical structural, civil and architectural drawings and specifications.
4. Refer to the architects drawings for details of all building compartmentation. Fire dampers to be installed at all cavity barriers & fire resistant partitions.
5. The contractor shall install all equipment in accordance with manufactures instructions and specifications.
6. Extract ductwork within risers and all supply ductwork shall be fully insulated. All external ductwork shall be appropriately lagged and weatherproofed.
7. Access and inspection panels shall be included within ductwork every 10m and at duct mounted equipment as required by DW/144 and TR/19 Level 2 requirements for inspection, servicing and cleaning.
8. BMS and MPC (Inverters) are indicative. Refer to BMW design information.
9. Refer to layouts for details of in-room ductwork connections, dampers, grilles and emitters.

Legend

- Commissioning information
- Direction of flow
- Attenuator
- Cross talk attenuator
- Volume control damper
- Variable volume damper
- Motorised Damper
- Fire Damper
- Smoke Damper
- Presence detector
- Temperature sensor
- Fast acting motor
- Chilled beams
- Fan Coil Units
- Heating and Cooling Battery
- Transfer grille
- Fan variable speed
- Intake/Exhast Hood

Rev	Date	Description	Eng	Chk	Drn
F	17.10.14	Commissioning Comments.	AB	PT	RT
E	19.09.14	User changes S10-S16 & S18 incorporated.	AB	PT	RT
D	03.09.14	Incorporating 95% review comment, client comments and user changes S01-S09	AB	PT	SH
C	17.07.14	UPDATED AS PER LATEST COMMENTS.	OG	GS	ER
B	09.06.14	NGB COMMENTS.	AB	PT	SH
A	29.05.14	CONSTRUCTION ISSUE.	AB	PT	SH
P4	23.05.14	UPDATED TO USER COMMENTS.	SH	AB	PT
P3	28.03.14	UPDATED TO COMMENTS.	SH	AB	PT
P2	14.02.14	PRELIMINARY ISSUE.	SM	AB	PT
P1	19.12.13	PRELIMINARY ISSUE.	SH	AB	PT

NG Bailey

Rutland Road, Sheffield, S3 9PS.
Tel: 0114 275 4678 Fax: 0114 273 8404

Client
THE UNIVERSITY OF SHEFFIELD

Contract
NEW ENGINEERING BUILDING
SHEFFIELD

Engineer
A.BROWN
Signed

Checked By
P.THOMPSON
Signed

Title
VENTILATION LAYOUT
THIRD FLOOR
SHEET 2 OF 4

Drawn By
S.HAZLEHURST

Issue Date
17-10-2014

Status: CONSTRUCTION | Scale: 1:50 | Sheet Size: A0 | Rev: F

Drawing No.
34676-M57-0302