13 MAY 2010

ROK
The Nation's Local Builder

IB/MLH/813

12 May 2010

Hinckley and Bosworth Borough Council
Council Offices
Argents Mead
Hinckley
Leicestershire
LE 10 1BZ

DEVELOPMENT SERVICES
13 MAY 2010
RECEIVED

For the attention of James Hicks, Senior Planning Officer

Dear James

Hinckley Club for Young People, Planning Approval ref 09/00080/FUL

Further to your e-mail of 29th April, I have pleasure in providing the following additional information relating to discharge of various Planning Conditions;

Condition No 4 – Details of BMX Track and Skatepark

- The BMX track design remains as shown on the details forwarded with my letter dated 18th March 2010.
- I can confirm that the edges of the BMX track mounds will be turfed or seeded. Maintenance and cutting of the grass will be carried out by the Club.
- Since I originally provided details of the Skate Park with my letter dated 18th March 2010 the design has been slightly modified at the suggestion of the end user 'skaters'. The overall dimensions of the Skate Park have not changed, but there has been minor modification to the arrangement of the various ramps, rails etc. I enclose A3 size isometric views of the final skate park design for your information.

Condition No 8 – Entrance Screen

- I have reminded the Club and the Project Manager of the need to submit details of any proposed signage or advertising, at the earliest opportunity.

Condition No 12 – Kitchen Ventilation

As requested, I enclose S J Farmers A3 drawings as follows;

Rok
Rok Centre Vale Road Colwick Nottingham NG4 2EG
t: 0115 961 3100 f: 0115 961 3400 www.rokgroup.com email: rok@rokgroup.com

Rok Building Ltd. Company No. 539441 England Registered Office: Rok Centre Guardian Road Exeter Business Park Exeter EX1 3PD

Main Kitchen

- Main Kitchen plan showing the general ventilation strategy. Air will be extracted via two ceiling grilles, with make up air entering the kitchen via door transfer grilles.
- Second floor plant room plan showing the kitchen extract air ductwork discharging via a roof cowl on the high level roof.

NB
This ventilation is to provide normal air change rates to prevent heat build up and to provide fresh air. This is not the same as a specific kitchen extract system such as the type found on a large restaurant kitchen or chip shop.

Tuck Shop kitchen

- Drawing No M10 revision C, showing the extract air from the Tuck Shop kitchen via a ceiling grille
- Drawing No M20 revE, showing the ductwork above the tuck shop, terminating in a roof cowl on the low level roof.

NB
The comments regarding the main kitchen apply equally to the Tuck Shop kitchen.

Condition No 14 – External Plant Noise
I have provided details of the noise levels of the external equipment, together with anticipated hours of operation and the plant compound location to an acoustic specialist. I have asked for their observations and report regarding the potential for noise impact on nearby residential properties.

The report is still awaited.

However, as previously stated, we do not expect the noise from the external equipment to be a potential problem. Only small areas of the building are mechanically cooled, and the external equipment is very small in size with low noise output.

Please bear in mind that the building has a passive ventilation system for general internal climate comfort. This is silent in operation.

I will let you have the findings from our acoustic specialist as soon as it is to hand.

Condition No 15 – Function Room and Music Room sound reduction
We propose to line the music room, recording studio and music practice room walls with 'Cutfoam' acoustic foam soundproofing. (See the attached data sheet.)

The extent of the acoustic wall lining will be based on the manufacturer's specific recommendations.

I trust that the above answers your concerns, but please let me know if you require anything further.

I will forward the acoustic report, topsoil validation certificates etc as soon as they are available.

Yours Sincerely



Ian Bewley
Design and Build Manager

Cutfoam
high quality foam products

Tel: 020 8880 0828
Fax: 020 8806 6188
Tel: 0800 112 3066

Products

Soundproofing
- Egg Profile Foam
- Acoustic Foam

Made to Measure
- Mattresses
- Cushions
- Custom Designs
- Foam Seating

Furnishings
- Foam Mattresses
- Mattress Toppers
- Foam Cushions
- Garden Seating
- Foam Pads

Memory Foam
- Memory Mattresses
- Memory Toppers

Extras
- Polystyrene beads
- Crumb Filled Cushions
- Adhesive
- Dacron Wrap

Trade
- Upholstery Foam
- Foam Sheets
- Foam Packaging
- Foam Inserts

Acoustic Foam for Soundproofing

Acoustic Foam for Soundproofing

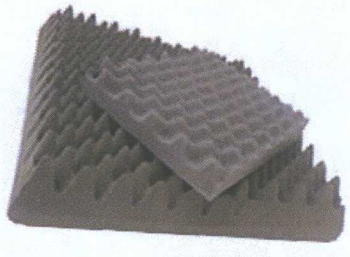
Click here to see more images

Here at Cutfoam we can provide a wide range of solutions for soundproofing and sound insulation, including acoustic foam panels and acoustic insulation foam cut to size. We are a trade supplier meaning our soundproofing foam products all sell at rock bottom prices, yet we only use the highest quality, UK manufactured soundproofing foam.

Our acoustic insulation foam can be cut to size or you can order standard sized acoustic foam panels. It's ideal for wall soundproofing or room sound proofing, We often supply acoustic foam for home recording studios, as well as a wide variety of other applications.

We have highly professional staff with years of soundproofing experience who will be able to advise you about the different options available. Depending on your budget and needs we may have a range of different possibilities for you to consider, **contact us here** for a free no obligation consultation,

We are based in London but we can deliver our acoustic foam products anywhere in the UK and all our soundproofing foam can be cut exactly to size so you only pay for what you need.



Our acoustic foam comes in a variety of densities and qualities so whatever your sound proofing needs we will have something suitable.

Company Portfolio

Our valued customers range from members of the public to prestigous companies including ....

The BBC
Calvin Klein
Siemens
HomeBase
Formula 1
Big Brother
Wimbledon

Art and Design



Custom made foam for art & design installations

Packaging Supply



Packaging Foam: For protection and filling out of packages.

Lounge Bar
F.12

Function
Room Bar
F.11

Kitchen
F.13

MAIN
KITCHEN

EXTRACTED AIR
TO PLANT ROOM
VIA CEILING GRILLES.

INLET
AIR.

Corridor
F.24

Ventilation
Duct
F.18

Plant Fire
Escape
F.17

Kitchen Store
F.16

Staff WC
F.15

Staff
F.14

Disabled WC
F.23

Furniture Store
F.19

Female
F.21

Male

Service Riser

For continuation see drawing no.
3189/M29.

SECOND FLOOR PLANT ROOM.

FROM KITCHEN.

600x600mm Extract from first floor social club (duct in area of roof void above bar area).

600x600mm Supply air duct serving first floor social club (duct in area of roof void above bar area).

500x500x900mm Long attenuator on extract from kitchen area.

500x500mm Kitchen extract duct rise to high level with aerofoil extract fan, duty 0.78m³/second x 250 Pa with matching flanges, flexible connectors and anti-vibration mounts.

500x500x900mm Long attenuator on extract fan discharge.

Extract from kitchen connect onto extract roof cowl termination unit.

Roof terminal type TRT-F 1200x1200mm internal dimensions.

40mm Rainwater from external tank drop from high level to low level.

35mm MCWS drop from high level to low level.

600x600mm Supply air duct serving Function Room enters roof void.

Rainwater tank on 150mm high base (tank size 1850mm long x 10500mm wide x 1030mm high).

300x300mm Fresh air duct drop to lower level to serve AHU6.

600x600mm Extract air duct from Function Room in roof void, enters Plant Room.

300x300mm Fresh air duct in roof void over Function Room to serve AHU6 serving first floor Toilet Areas.

300x300mm Exhaust air duct in roof void over Function Room from AHU6.

300x300x900mm Long attenuator on both fresh air and exhaust air ducts.

63mm PVC overflow and 20mm warning pipe drop from low level to below.

40mm Grey water drop from low level to below.

350x350mm Extract duct from ground floor music room and chill out space connect onto AHU2 extract. 550x500x1800mm Long attenuator in dropper at first floor level.

350x350mm Supply air duct drop to ground floor ceiling void to serve Music Room and Chill Out Space.

15x15mm Heating flow and return drop to serve heater battery (see standard detail above).

400x400mm Supply air duct drop to below to serve youth area.

40mm Rainwater and 35mm MCWS rise from below to high level.

300x300x900mm Long first floor toilet extract duct attenuator.

300x300mm Extract air duct from first floor toilet area's drop to lower level.

300x300mm Supply air duct serving first floor toilet area's rise to high level to serve first floor toilet area's.

300x300x900mm Long first floor toilet supply duct attenuator.

500x500mm Extract duct from first floor kitchen run in roofspace.

500x500mm Extract duct to serve first floor kitchen run in roofspace.

800x700x1250mm Long attenuator on supply to social club.

800x700x1250mm Long attenuator on extract from social club.

Kitchen Ceiling Void F.13

Corridor Ceiling Void F.34

Ventilation Duct S.03

Note. Access for maintenance etc. Minimum floor to underside of high level ductwork 2000mm

TO ROOF COWL

850x800x2100mm Long attenuator.

Meter

Str

1700kg Water Tank

850x800x2100mm Long attenuator.

Plant Room 3 S.02

Weight 278kg

AHU 6 Toilet Areas

Minimum headroom from FFL for access 2000mm

600x500x1500mm Long attenuator.

50mm Condensate drain.

AHU 2 Youth Area

Weight 875kg

AHU 7 Social Club

Weight 703kg

AHU 5 Function Room

Weight 980kg

Plant Stair S.01

FD

AD

M

IV

AAVs

Flow.

Return.

CVS

Unions.

Drainvalve.

Reducers as required.

Motorised two port control valve.

Heater Battery

Standard Connection Detail Onto Heater Batteries

Grey Water (Only) Pipework Conversion Table

Pipework Size On Drawing	Pipework Size To Be Installed
40	1 1/4"
32	1"
25	3/4"
20	1/2"

28mm Heating flow and return drop to serve heater battery (see standard detail above).

700x700mm Fresh air duct to serve AHU7.

Trapped condensate drain discharge into tundish.

Roof terminal type TRT-F 1200x1200mm internal dimensions.

1000x1000mm Exhaust air rise from AHU5 and AHU7 to roof cowl.

50mm Condensate drain run at low level (to fall).

1000x1000mm Fresh air inlet drop from roof cowl to serve AHU5 and AHU7.

Roof terminal type TRT-F 1200x1200mm internal dimensions.

700x700mm Motorised fresh air inlet damper and 700x700mm motorised exhaust air damper.

28x28mm Heating flow and return drop to serve heater battery (see standard detail above).

700x700mm Motorised fresh air inlet damper and 700x700mm motorised exhaust air damper.

Trapped condensate drain discharge into tundish.

700x700mm Fresh air duct to AHU5 drop to low level.

50mm Condensate drain to falls.

DX refrigeration pipes drop from high level to serve AHU.

50mm Condensate drain at low level (laid to falls).

800x800mm Exhaust air duct rise from AHU2 to 1000x1000mm roof cowl.

Trapped condensate drain discharge into tundish.

28x28mm Heating flow and return drop to serve heater battery (see standard detail above).

800x800mm Intake air duct to AHU2 drop to low level.

800x800mm Motorised fresh air inlet damper and 800x800mm motorised exhaust air damper.

High level extract from youth area with 800mmø bellmouth transform to 600ø.

Roof terminal type TRT-F 1200x1200mm internal dimensions.

600x500x1800mm Long supply air attenuator at high level and 800x700x2100mm long attenuator on extract air duct at low level.

600mmø Supply air duct drop to serve 'sock' system in youth area.

600x600mm Extract air duct at high level from youth area.

800x800mm Supply air duct at low level.

50mm Condensate drain drop to below and connect onto waste in first floor toilets.

Motorised damper on supply and extract.

Refrigeration pipes rise from below to high level.

Roof terminal type TRT-F 1200x1200mm internal dimensions.

42x42mm CT heating flow and return (circuit 4) rise in service duct from ground floor ceiling void.

28x28mm CT heating flow and return (circuit 2) rise in service duct from ground floor ceiling void.

300x300mm Supply air duct drop to serve first floor Toilet Areas.

300x300mm Extract air duct rise to high level (serves first floor Toilet Areas).

Notes

1. All ductwork to DW144.
2. All fans, AHUs, duct dampers, fire dampers, damper motors, sensors, DPSs to be fully and permanently accessible.
3. Size and details of natural ventilation to be confirmed by specialist. Sizes shows are provisional only.
4. For notes, details and schematics see drawing no. 3189/M22.

Legend

IV – Denotes isolating valve
CVS – Denotes commissioning valve station
AAV – Denotes automatic air vent
F/D – Denotes fire damper
AD – Denotes access door

Rev.	Comments	Date	Signed
G	Kitchen ventilation ammended.	30/03/10	LP
F	Roof terminal locations changed. Pipe connections to heater bank changed.	09/02/10	MH
E	Attic and ductwork relocated / modified.	09/02/10	MH
D	AHU elevations and minor modifications.	14/01/10	MG
C	Roof void positions altered. Drawing Re-numbered.	15/12/09	DRB
B	Duct systems colour coded for clarity.	26/11/09	LP
A	Plant weights added. Bellmouth extract reduced.	19/11/09	DRB

Subject: Second Floor Plant Room 4

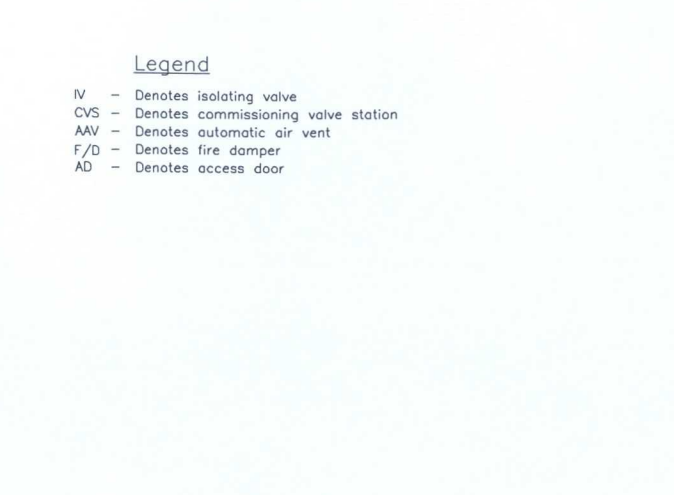
Project: Hinckley Youth Club

S.J.Farmer
S.J. Farmer (Long Eaton) Limited
29/31 Lime Grove, Long Eaton, Nottingham, NG10 4LD
Telephone: 0115 973 4447 Facsimile: 0115 946 1050
E-mail: mail@sjfarmer.co.uk
Website: www.sjfarmer.co.uk
Established 1957 A Member of the Fadney Group

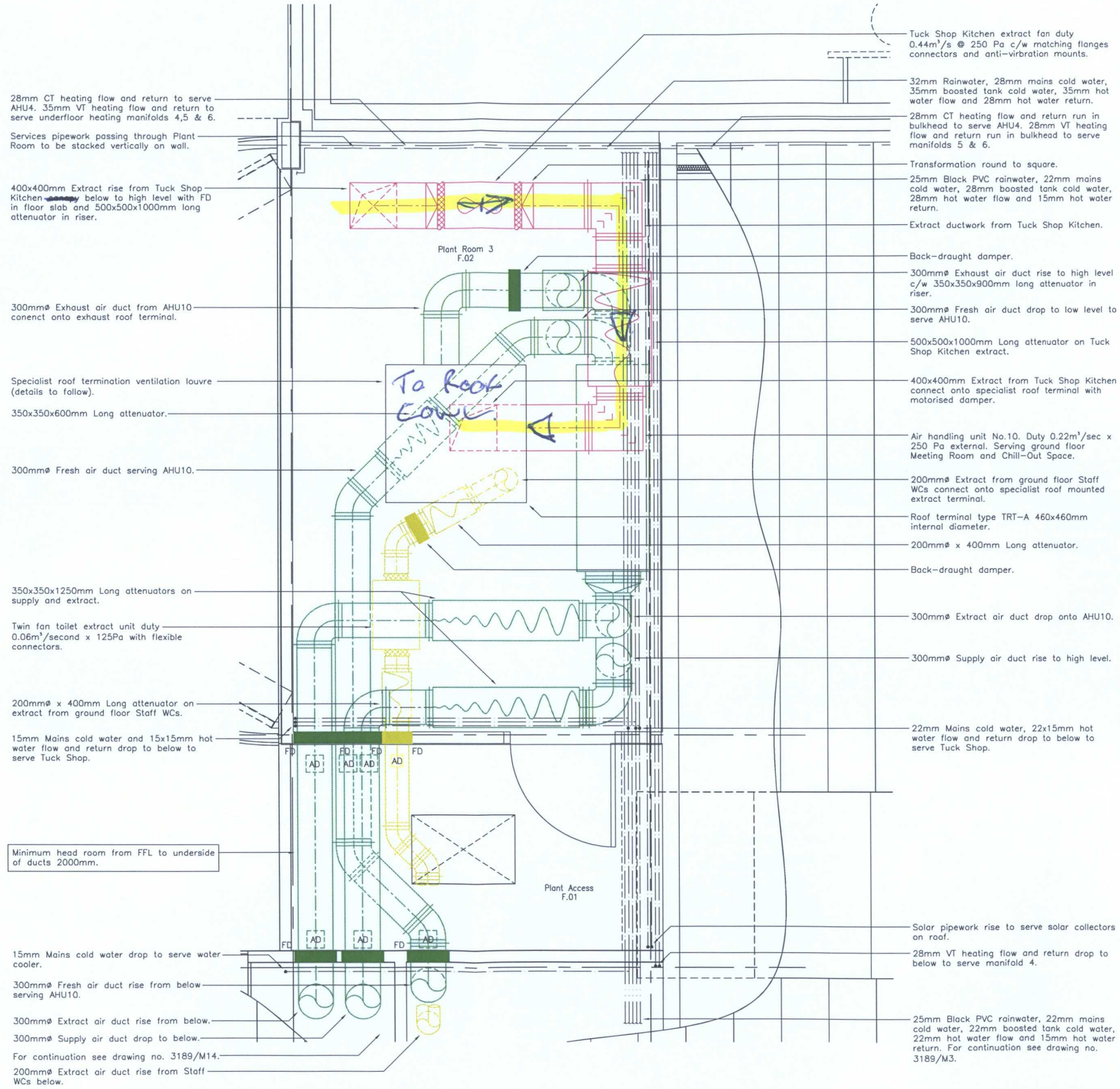
Scale:	1:20 @ A0	Drawing Number	Rev.
Date:	09/11/09	3189/M21	G
Drawn:	DRB		

Legend

IV – Denotes isolating valve
CVS – Denotes commissioning valve station
AAV – Denotes automatic air vent
F/D – Denotes fire damper
AD – Denotes access door



Standard Connection Detail
Onto Heater Batteries



Notes

1. All ductwork to DW144.
2. All fans, AHUs, duct dampers, fire dampers, damper motors, sensors, DPSs to be fully and permanently accessible.
3. Size and details of natural ventilation to be confirmed by specialist. Sizes shows are provisional only.
4. For notes, details and schematics see drawing no. 3189/M22.

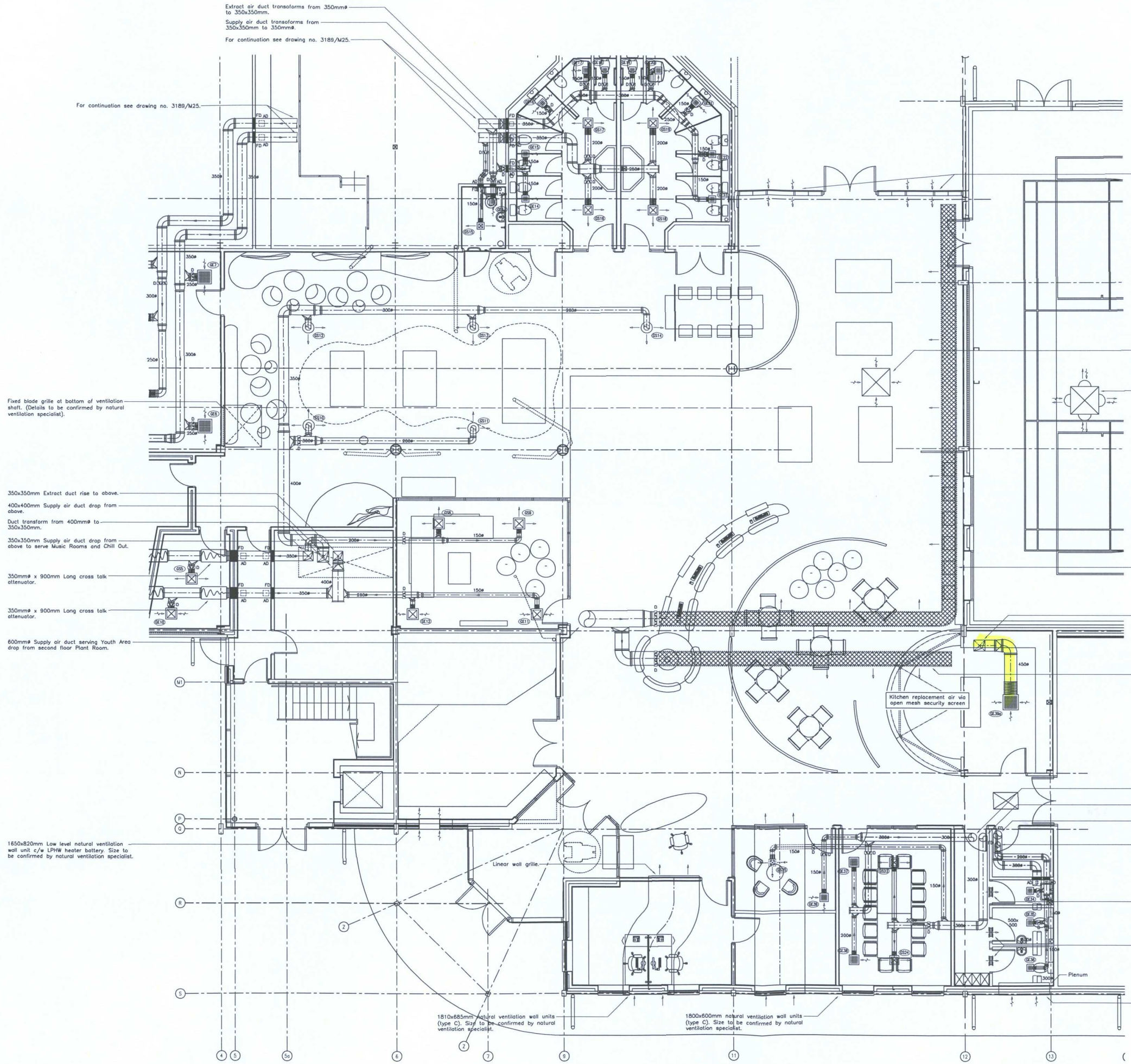
Rev.	Comments	Date	Approved
E	Tuck Shop ventilation revised, AHU8 omitted.	30/03/10	LP
D	Attenuators resized and relocated.	09/02/10	MH
C	AHU alterations and minor modifications.	11/01/10	MG
B	AHU10 added, pipework and notes added. Drawing re-numbered to M20, originally M27.	22/12/09	DRB
A	Toilet and Meeting Room extract altered.	19/11/09	DRB

Subject:
First Floor Plant Room 3
(Tuck Shop)

Project:
Hinckley Youth Club

S.J.Farmer
S.J. Farmer (Long Eaton) Limited
29/31 Lime Grove, Long Eaton, Nottingham, NG10 4LD
Telephone: 0115 973 4447 Facsimile: 0115 946 1080
E-mail: mailoffice@sjfarmer.co.uk
Website: www.sjfarmer.co.uk
Established 1857
A Member of the Radway Group

Scale:	1:20 @ A1	Drawing Number	Rev.
Date:	10/11/09	3189/M20	E
Drawn:	DRB		



Supply Air Diffuser Schedule

Ref.	Location	Model	Size (mm)	Duty (m^3/sec)	Comments
GS5	G45	4 Way Blow	225x225	0.05	c/w OBD
GS8	G48	4 Way Blow	225x225	0.065	c/w OBD
GS9	G48	4 Way Blow	225x225	0.065	c/w OBD
GS10	G23	Circular	254 Dia	0.010	c/w OBD
GS11	G23	Circular	254 Dia	0.010	c/w OBD
GS12	G23	Circular	254 Dia	0.010	c/w OBD
GS13	G23	Circular	254 Dia	0.010	c/w OBD
GS14	G23	Circular	254 Dia	0.010	c/w OBD
GS15	G28	4 Way Blow	150x150	0.022	c/w OBD
GS16	G26	4 Way Blow	225x225	0.079	c/w OBD
GS17	G26	4 Way Blow	225x225	0.079	c/w OBD
GS18	G25	4 Way Blow	225x225	0.080	c/w OBD
GS19	G25	4 Way Blow	225x225	0.080	c/w OBD
GS23	G06	4 Way Blow	225x225	0.070	Colour to be advised
GS24	G06	4 Way Blow	225x225	0.070	Colour to be advised
GS25	G05	4 Way Blow	150x150	0.050	Colour to be advised

Note :- All diffusers c/w opposed blade dampers.

Extract Air Grille Schedule

Ref.	Location	Model	Size (mm)	Duty (m^3/sec)	Comments
GE6	G41	Eggcrate	600x600	0.15	c/w OBD
GE7	G41	Eggcrate	600x600	0.15	c/w OBD
GE10	G45	4 Way Blow	225x225	0.05	c/w OBD
GE11	G48	4 Way Blow	225x225	0.065	c/w OBD
GE12	G48	4 Way Blow	225x225	0.065	c/w OBD
GE13	G28	Eggcrate	150x150	0.022	c/w OBD
GE14	G26	Eggcrate	150x150	0.032	c/w OBD
GE15	G26	Eggcrate	150x150	0.032	c/w OBD
GE16	G26	Eggcrate	150x150	0.032	c/w OBD
GE17	G26	Eggcrate	150x150	0.032	c/w OBD
GE18	G26	Eggcrate	150x150	0.032	c/w OBD
GE19	G25	Eggcrate	150x150	0.032	c/w OBD
GE20	G25	Eggcrate	150x150	0.032	c/w OBD
GE21	G25	Eggcrate	150x150	0.032	c/w OBD
GE22	G25	Eggcrate	150x150	0.032	c/w OBD
GE23	G25	Eggcrate	150x150	0.032	c/w OBD
GE34	G10	Eggcrate	150x150	0.015	Colour to be advised
GE35	G09	Eggcrate	150x150	0.020	Colour to be advised
GE36	G08	Eggcrate	150x150	0.025	Colour to be advised
GE37	G06	Eggcrate	250x250	0.070	Colour to be advised
GE38	G06	Eggcrate	250x250	0.070	Colour to be advised
GE39	G05	Eggcrate	200x200	0.050	Colour to be advised
GE39a	Tuck Shop	Eggcrate	595x595	0.340	c/w OBD

Note :- All diffusers c/w opposed blade dampers.

Standard For Ceiling Grille/Diffuser Connections (NTS)

Legend

- VCD – Denotes volume control damper.
- FC – Denotes flexible connection.
- FD – Denotes fire damper and frame.
- AD – Denoted access door.

Notes

1. All ductwork to DW144.
2. All fans, AHUs, duct dampers, fire dampers, damper motors, sensors, DPSs to be fully and permanently accessible.
3. Size and details of natural ventilation to be confirmed by specialist. Sizes shown are provisional only.

Rev.	Comments	Date	Approved
C	Tuck Shop ventilation added.	30/03/10	LP
B	Fin added, external louvre misted, minor ductwork alterations and grilles relocated.	10/02/10	NH
A	AHU10 inlocated, ductwork altered and Drawing Re-numbered.	18/12/09	DRB

Subject: Ground Floor Part Plan 3 Ventilation Services

Project: Hinckley Youth Club

S.J.Farmer
S.J. Farmer (Long Eaton) Limited
29/31 Lime Grove, Long Eaton, Nottingham, NG10 4LD
Telephone: 0115 973 4447 Facsimile: 0115 946 1050
E-mail: mail@sjfarmer.co.uk
Website: www.sjfarmer.co.uk
Established: 1857
A Member of the Fairview Group
HVCA

Scale:	1:50 @ A0	Drawing Number	Rev.
Date:	19/11/09	3189/M10	C
Drawn:	DRB		