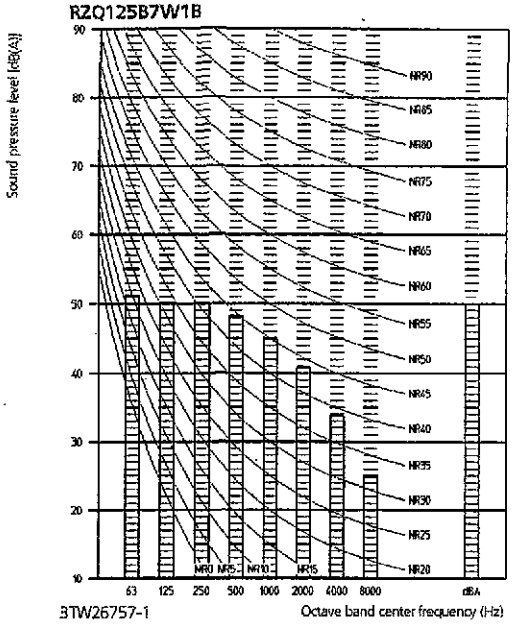
Planning & Development
- 6 NOV 2006
1543106

# 9 Sound data

## 9.1 Sound pressure spectrum

9

### RZQ125B8V3B - Cooling
### RZQ125B7W1B




3TW26757-1

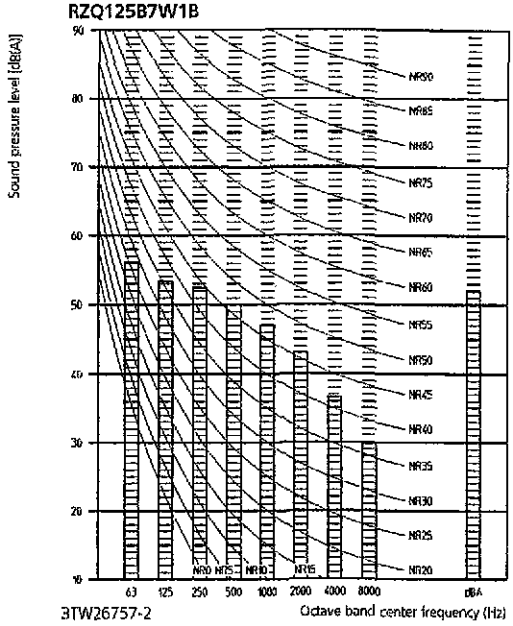
**NOTES**

1 Data is valid at free field condition
2 Data is valid at nominal conditions.
3 dB(A) = A-weighted sound pressure level (A-scale according to IEC)
4 Reference acoustic pressure 0dB = 20µPa



Measuring location (discharge side)

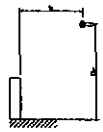
### RZQ125B8V3B - Heating
### RZQ125B7W1B




3TW26757-2

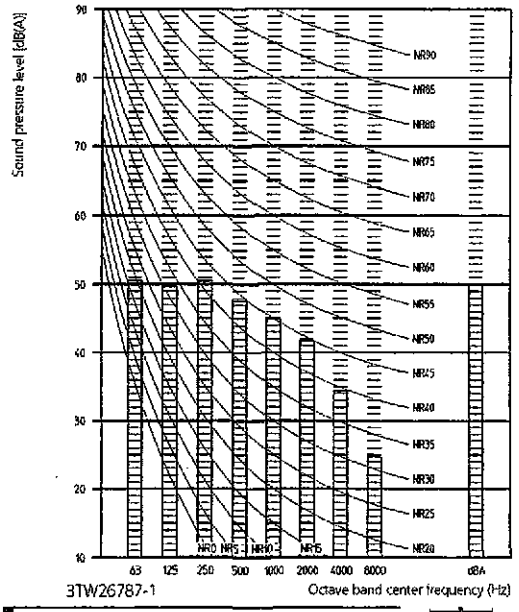
**NOTES**

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4 Reference acoustic pressure 0dB = 20µPa



Measuring location (discharge side)

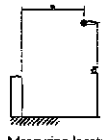
### RZQ140B8V3B - Cooling




3TW26787-1

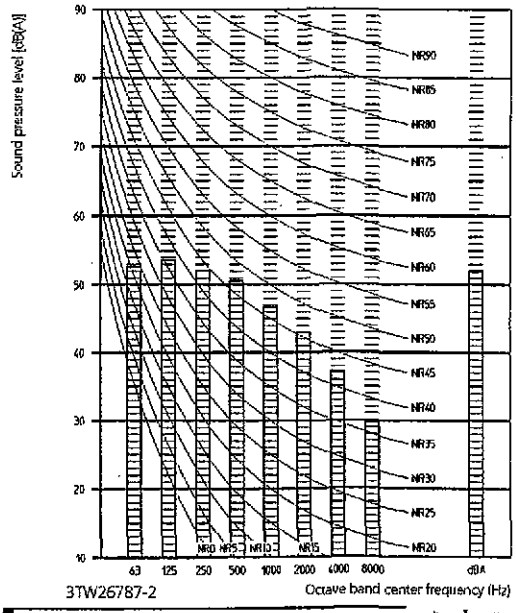
**NOTES**

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3 dB(A) = A-weighted sound pressure level (A-scale according to IEC)
4 Reference acoustic pressure 0dB = 20µPa



Measuring location (discharge side)

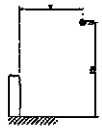
### RZQ140B8V3B - Heating




3TW26787-2

**NOTES**

1 Data is valid at free field condition
2 Data is valid at nominal conditions.
3 dB(A) = A-weighted sound pressure level (A-scale according to IEC)
4 Reference acoustic pressure 0dB = 20µPa



Measuring location (discharge side)

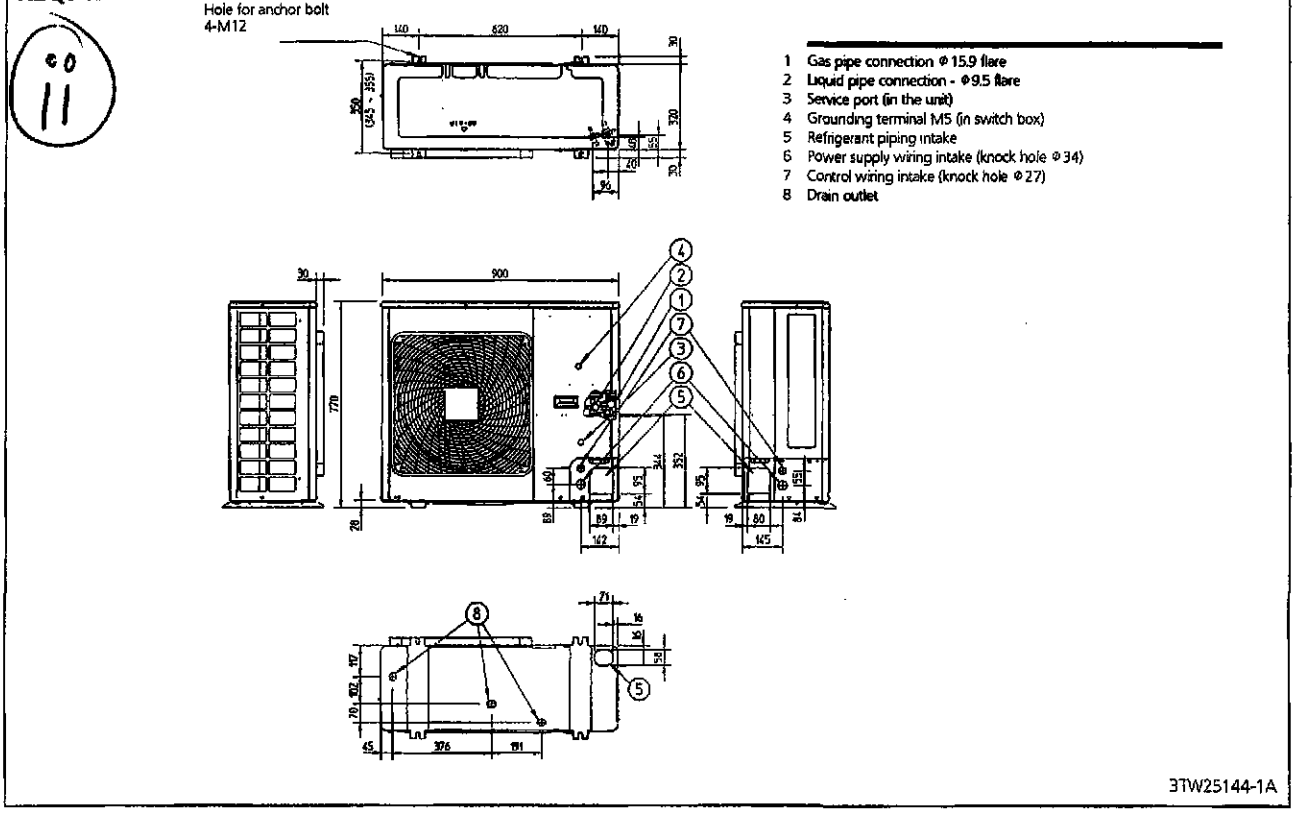
DETERMINED
PLAN

# 6 Dimensional drawing & centre of gravity

## 6 - 1 Dimensional drawing

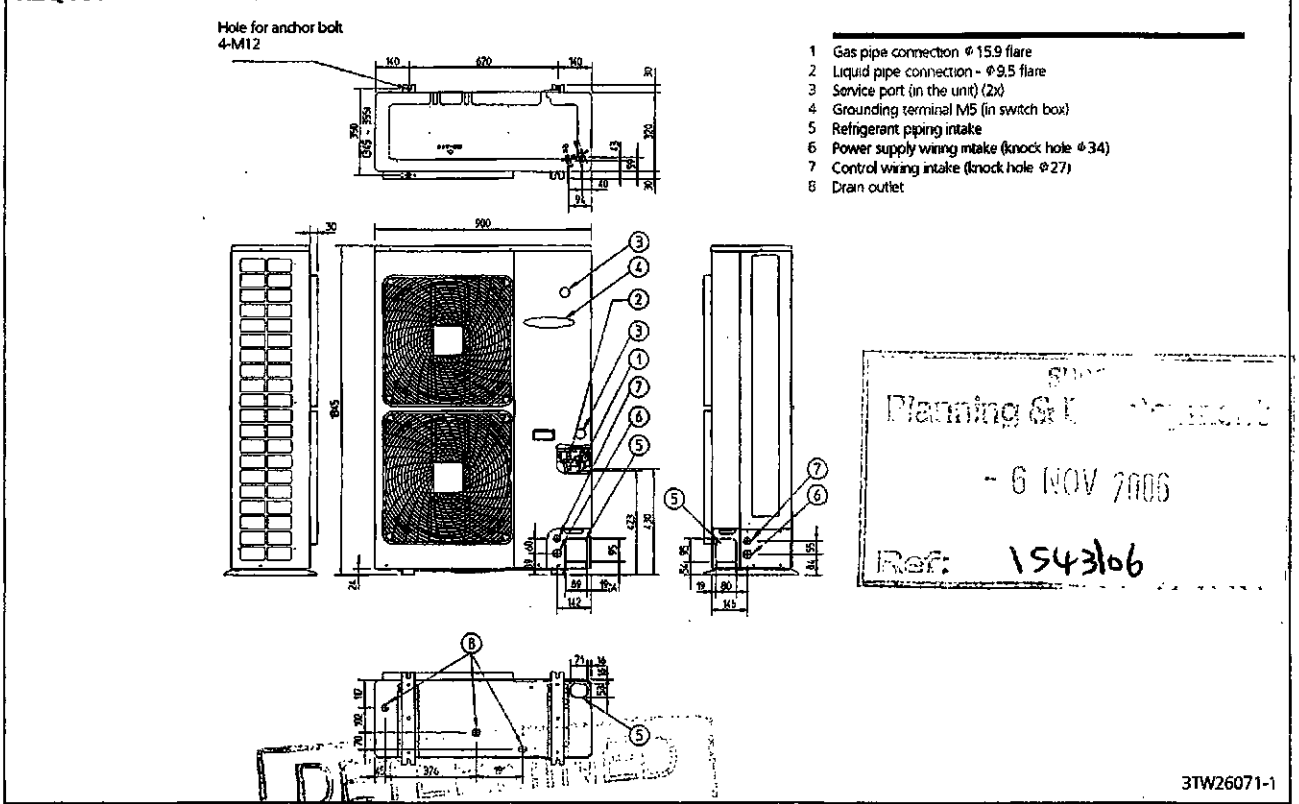
6

**RZQ71B7V3B** unit (mm)




3TW25144-1A

**RZQ100-125-140B7V3B** unit (mm)




3TW26071-1

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DE... PLAN

NOTES:

1. Roof openings formed are to be temporarily protected against rain ingress before gas–fired flue & extract fans are installed by fit out Contractor.
2. All openings to be formed prior to fit–out works.
3. Alterations to roof opening locations to be conveyed to Homebase prior to works on site.

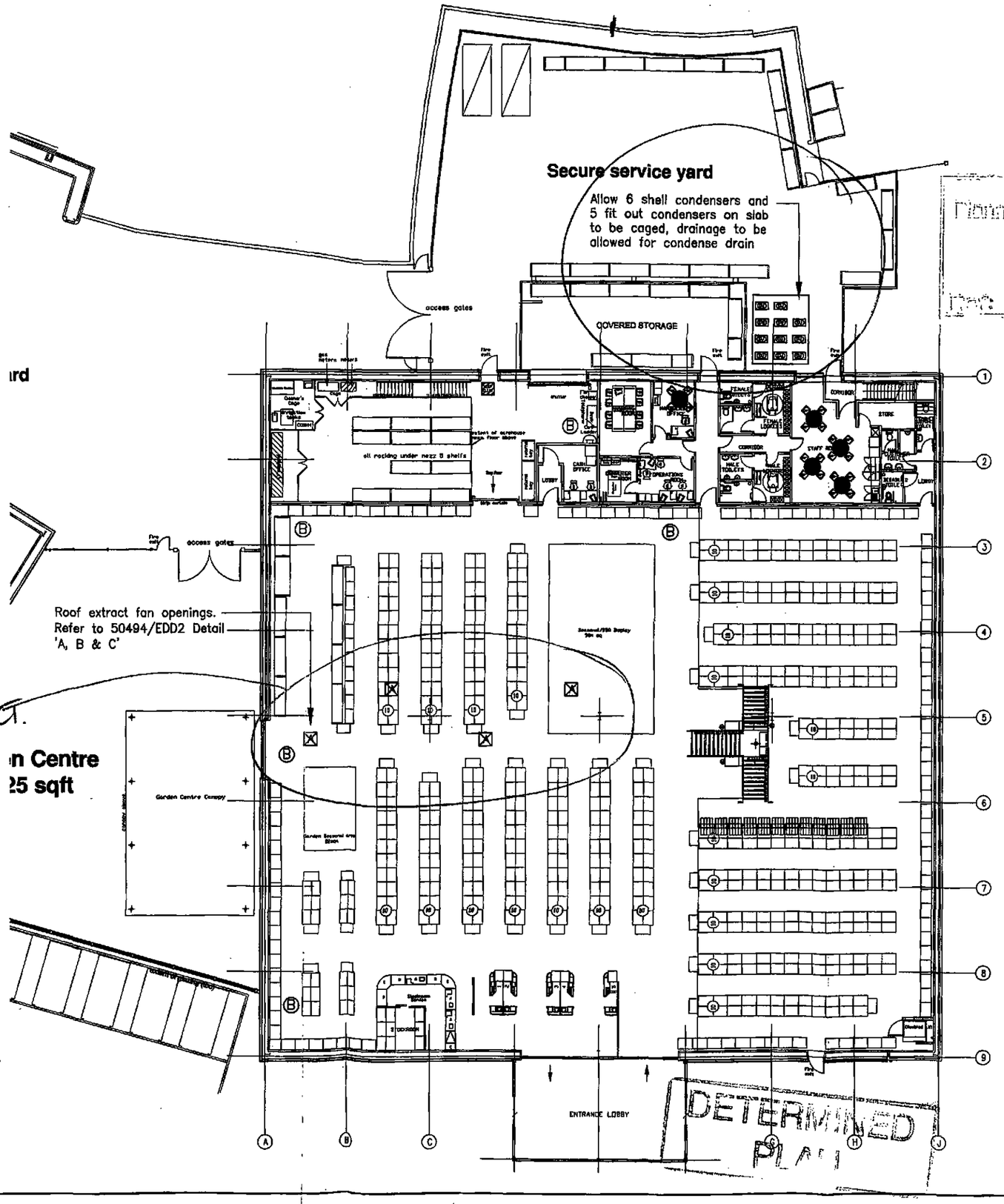
LEGEND:

[A] 910 x 910mm min internal apperture for summertime roof extract fans

Ⓑ Holes for gas fired unit heater flue. To be cut during Homebase Fit Out when locations are known. Mechanical Contarctor to confirm sizes.

Allow for upto 5 No holes through the roof for Homebase Gas fired unit heater flues. To be cut out during Homebase Fit Out Contract as precise locations will not be known until that stage. Weight of unit heater 240Kg. Mechanical contractor to confirm sizes.

PRELIMINARY LAYOUT AWAITING LAYOUT OF ROOF LIGHTS AND LAYOUT OF ROOF SHOWING RIDGE.




NOTES:

| Rev. | Date | Description | By | Chk |
|---|---|---|---|---|
| A | 14 08 06 | Latest HB block plan rev–12 added. A/C location & base indicated | DC | |

PRELIMINARY


Silcock Dawson & Partners
BUILDING SERVICES CONSULTING ENGINEERS
Princes Risborough Bristol Manchester Leeds
4–5 Tower Court, Horns Lane, Princes Risborough, Buckinghamshire HP27 0AJ
Tel : (01844) 347474 Fax : (01844) 345539


HOMEBASE
For Your Home & Garden

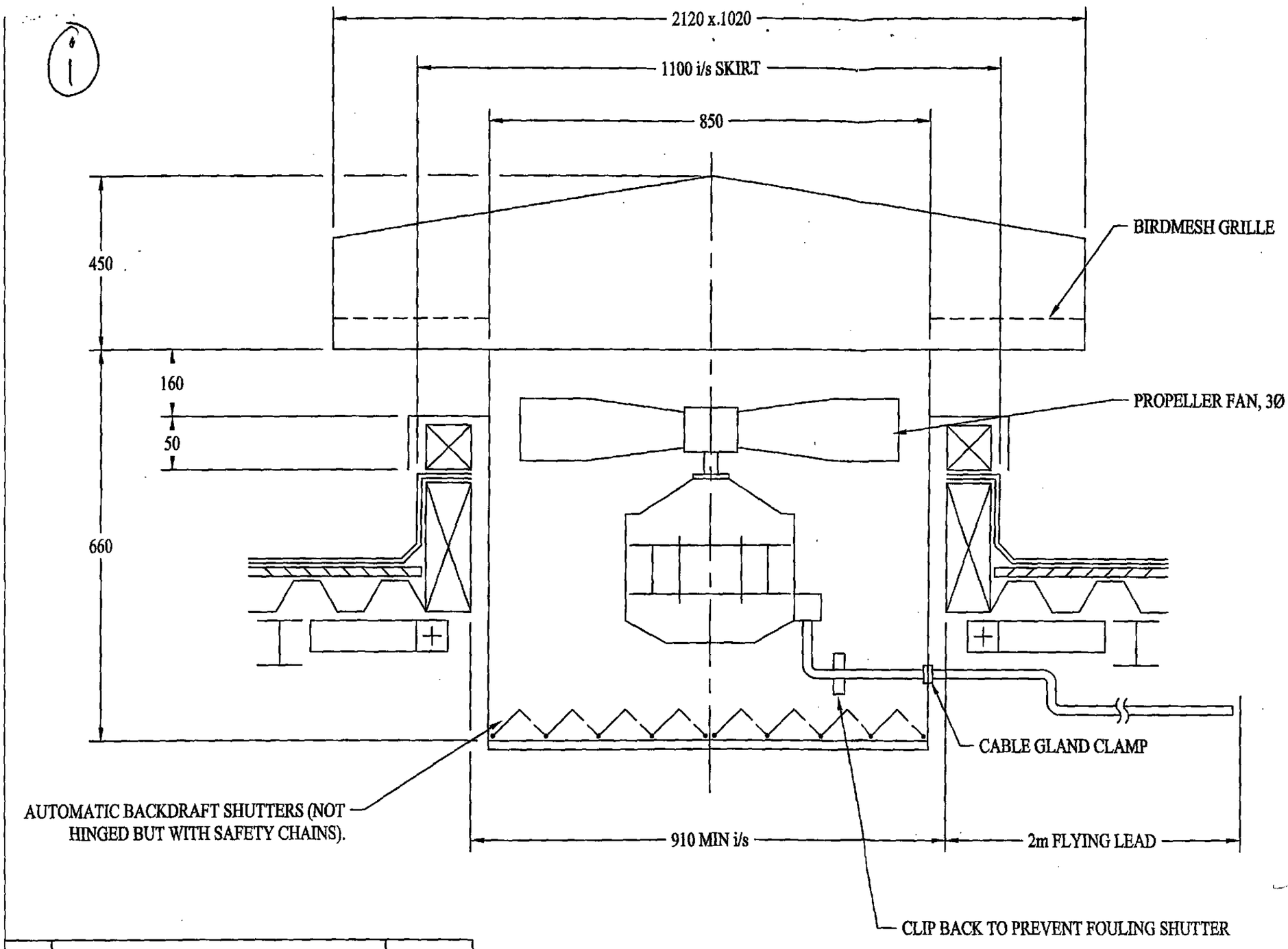
Project: HOMEBASE SPALDING

Drawing Title: BUILDERSWORK HOMEBASE UNIT ROOF OPENINGS

| Dwg No. | Revision |
|---|---|
| 50494/EDD1 | A |

| Scale | Date | Engineer | Checked |
|---|---|---|---|
| NTS | NOV'05 | PSR | PGL |


Planning & Development
6 NOV 2006
Ref: 1543/06




SPECIFICATION

1) MANUFACTURED FROM 16 SWG GALVANISED MILD STEEL.
2) UNIT POWDER COATED;
   TOP COWL & FAN SECTION - RAL 9006 SILVER
   GRILLE SECTION - GLOSS WHITE.
3) DIRECTIONAL LABELS.
4) ISOLATOR TO BE SUPPLIED LOOSE.
5) UNIT SUPPLIED IN TWO PARTS.

MOTOR DETAILS - 3 PHASE
KW = 0.55
FLC = 2.7 AMPS
SC = 7.0 AMPS
SPEED = 600 RPM

NOISE LEVEL @ 3 METRES
50 dB(A)

WEIGHT
110 KG

- 6 NOV 2006
1543/06

| | | |
|---|---|---|
| A | A/B SHUTTERS MODIFIED. | 21.5.97 |

envirotec

envirotec ltd
Desborough Park Road
High Wycombe
Buckinghamshire
HP12 3BX
England

TEL +44 01494 525342
FAX +44 01494 440889
www.envirotec.co.uk
sales@envirotec.co.uk

DETAIL OF PRU 760/10 ROOF EXTRACT ASSEMBLY.

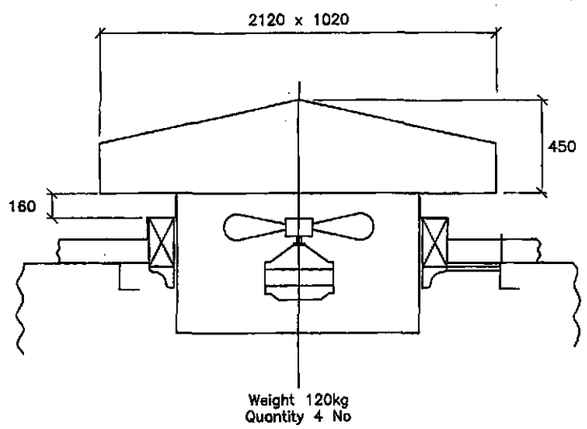
DUTY: 2.74m³/S.

| DRAWN | CHECKED | APPROVED | DATE | SCALE |
|---|---|---|---|---|
| JAB | RLM | RLM | 10.8.92 | N.T.S. |

DETERMIN...
PLAN

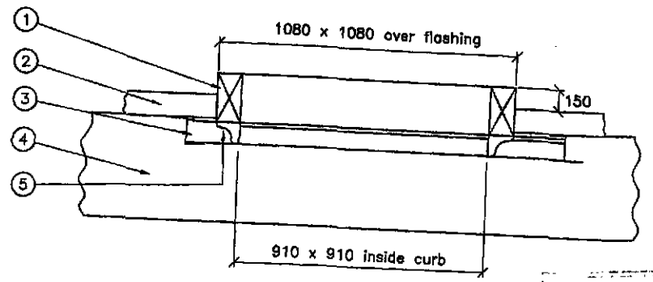
DRAWING No. GA520/C

## DETAIL 'A'




SUMMERTIME EXTRACT FAN DIMENSIONS ABOVE ROOF LEVEL (4 No)

## DETAIL 'B'




1. Flashing or soaker sheet to suit sheeting profile.
2. Sheeting Panel
3. Purlin
4. Roof support steel
5. Trimming Steel

ROOF HOLE A – SUMMERTIME EXTRACT FANS

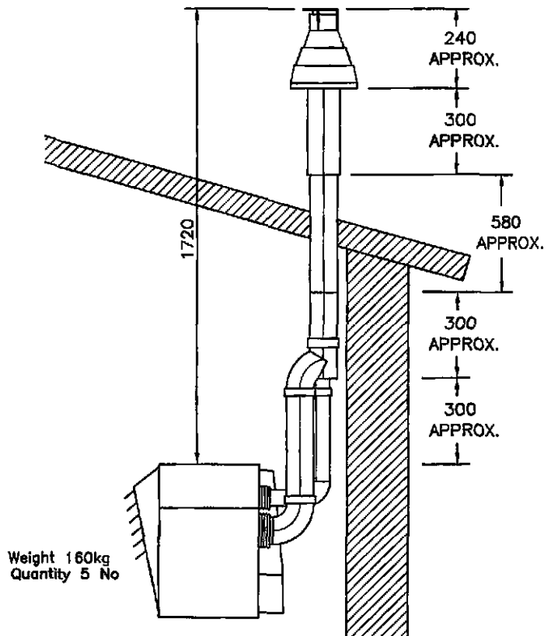

Planning & Development
- 6 NOV 2006
Ref: 1543/06


## DETAIL 'C'

| NOISE SPECTRUM FROM THE ROOF MOUNTED EXTRACT FANS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Frequency Hz | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| Free Field | At Source | 73 | 76 | 71 | 70 | 68 | 68 | 63 | 52 |
| Measurements | 5m | 48 | 51 | 46 | 45 | 43 | 43 | 38 | 27 |
| (SWL) to | 10m | 42 | 45 | 40 | 39 | 37 | 37 | 32 | 21 |
| BS 848 Pt2 | 20m | 36 | 39 | 34 | 33 | 31 | 31 | 26 | 15 |
| dB | 50m | 28 | 31 | 26 | 25 | 23 | 23 | 18 | 7 |

SUMMERTIME EXTRACT FAN NOISE DATA

## DETAIL 'D'




TYPICAL UNIT HEATER FLUE DETAIL (5 No)


DETERMINED
PLAN


NOTES:

| Rev. | Date | Description | By | Ch'k |
|---|---|---|---|---|

Drawing Status: CONSTRUCTION


Silcock Dawson & Partners
BUILDING SERVICES CONSULTING ENGINEERS
Princes Risborough Bristol Manchester Leeds
4-5 Tower Court, Horns Lane, Princes Risborough, Buckinghamshire HP27 0AJ
Tel : (01844) 347474 Fax : (01844) 345532


Client: HOMEBASE

Project: HOMEBASE SPALDING

Drawing Title: BUILDERSWORK HOMEBASE UNIT ROOF OPENINGS DETAILS

Dwg No. 50494/EDD2 | Revision:

| Scale | Date | Engineer | Checked |
|---|---|---|---|
| NTS | NOV'05 | PSR | PGL |