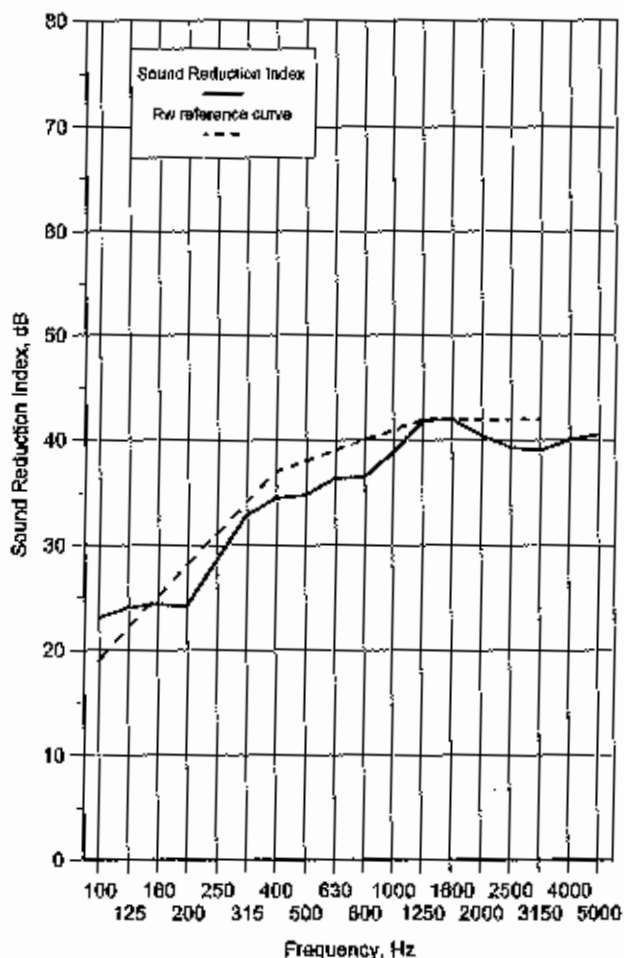


### Data Sheet 3

<b>Test Number :</b>	11	<b>Air temperature:</b>	18.9 °C
<b>Client:</b>	George Barnsdale & Sons Ltd	<b>Air humidity:</b>	58 %
<b>Test Date:</b>	26/08/2007	<b>Receiving room volume:</b>	300 m <sup>3</sup>
<b>Sample height:</b>	1.21 m	<b>Source room volume:</b>	115 m <sup>3</sup>
<b>Sample width:</b>	1.21 m	<b>Sample weight:</b>	43.5 kg/m
<b>Product Identification:</b>	C2 Flush Case Window - 4 / 16 / 6.4 lam.		

Freq f Hz	Sound Reduction Index, dB	
	1/3 Oct	1/1 Oct
50+	25.5	25.0
63+	25.7	
80+	24.0	
100	23.1	23.8
125	24.0	
160	24.4	
200	24.1	27.1
250	28.4	
315	32.8	
400	34.4	35.1
500	34.7	
630	36.4	
800	38.5	38.5
1000	38.9	
1250	41.9	
1600	42.0	40.5
2000	40.5	
2500	39.3	
3150	39.0	39.8
4000	40.0	
5000	40.6	
6300+	46.5	48.7
8000+	49.8	
10000+	51.1 *	
Average 100-3150	33.8	



Rating according to BS EN ISO 717-1:1997

Rw(C;Ctr) = 38 (-2;-5) dB

Notes : \* designates measurement corrected for background

# designates limit of measurement due to background

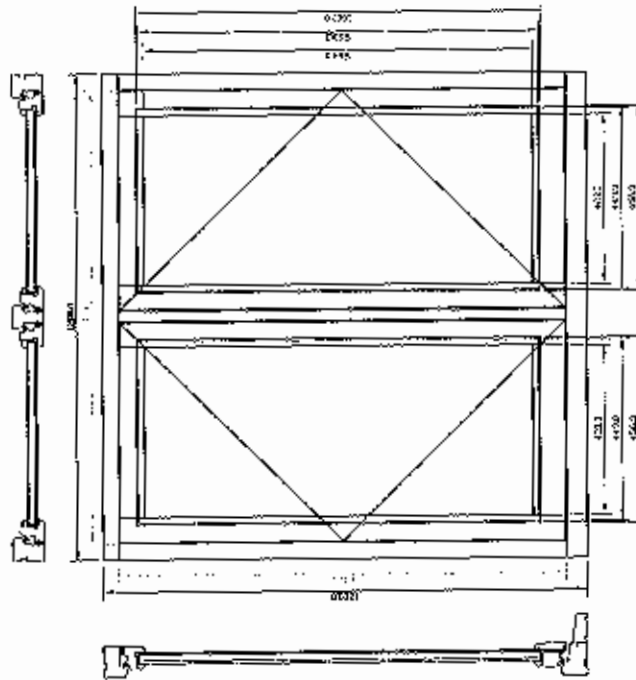
+ designates frequency beyond standard and not UKAS accredited

v1.0

## Drawing 5 (Test 11)

If in doubt ASK  
Do NOT Scale Drawing

- 1 No. softwood flush casement window (C2)  
 Ref. Acoustic Testing  
 Finger jointed redwood sashes  
 Fully finished white  
 6.4mm Laminated  
 16mm Cavity  
 4mm float  
 White spacer bar to sealed units  
 Glazed with black Hodgson tape  
 See drawing C2-Acoustic-Section for  
 sectional details  
 Job No. W8077



Acoustic Testing  
 Outside View

Revision

Manufacturing  
 Details

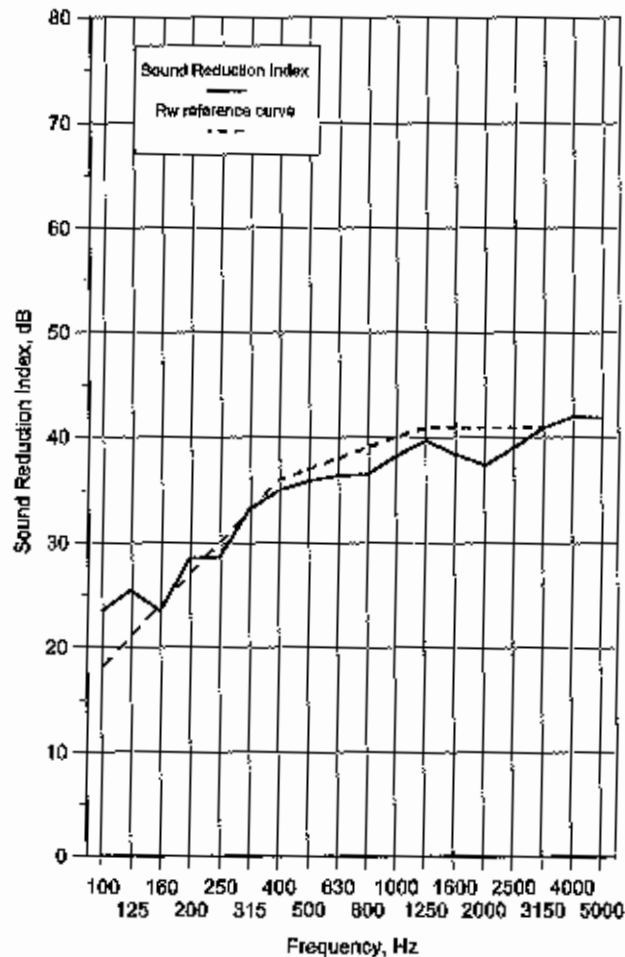
Project - Acoustic Testing  
 C2 Flush Casement Window  
 Drawing No. C2-11-13-1  
 Scale  
 Drawn By  
 Date

George Barnsdale  
 & Sons Limited  
 High Street  
 Donington  
 Spalding PE11 4TA  
 01775 823000

## Data Sheet 4

<b>Test Number :</b>	12	<b>Air temperature:</b>	18.9 °C
<b>Client:</b>	George Barnsdale & Sons Ltd	<b>Air humidity:</b>	58 %
<b>Test Date:</b>	28/08/2007	<b>Receiving room volume:</b>	300 m <sup>3</sup>
<b>Sample height:</b>	1.21 m	<b>Source room volume:</b>	115 m <sup>3</sup>
<b>Sample width:</b>	1.21 m	<b>Sample weight:</b>	51.4 kg/m
<b>Product</b>			
<b>Identification:</b>	C2 Flush Casement Window - 8 / 12 / 6.4 lam.		

Freq f Hz	Sound Reduction Index, dB	
	1/3 Oct	1/1 Oct
50+	25.4	
63+	27.4	25.8
80+	24.9	
100	23.4	
125	25.4	24.0
160	23.5	
200	28.4	
250	28.6	29.6
315	33.2	
400	34.9	
500	35.9	35.7
630	36.4	
800	36.5	
1000	38.3	38.0
1250	39.7	
1600	38.4	
2000	37.4	38.3
2500	39.1	
3150	41.0	
4000	42.0	41.6
5000	41.9	
6300+	46.8	
8000+	50.1	48.9
10000+	51.1	*
Average 100-3150	33.8	



Rating according to BS EN ISO 717-1:1997

Rw(C;Ctr) = 37 (-1;-3) dB

Notes: \* designates measurement corrected for background

# designates limit of measurement due to background

+ designates frequency beyond standard and not UKAS accredited

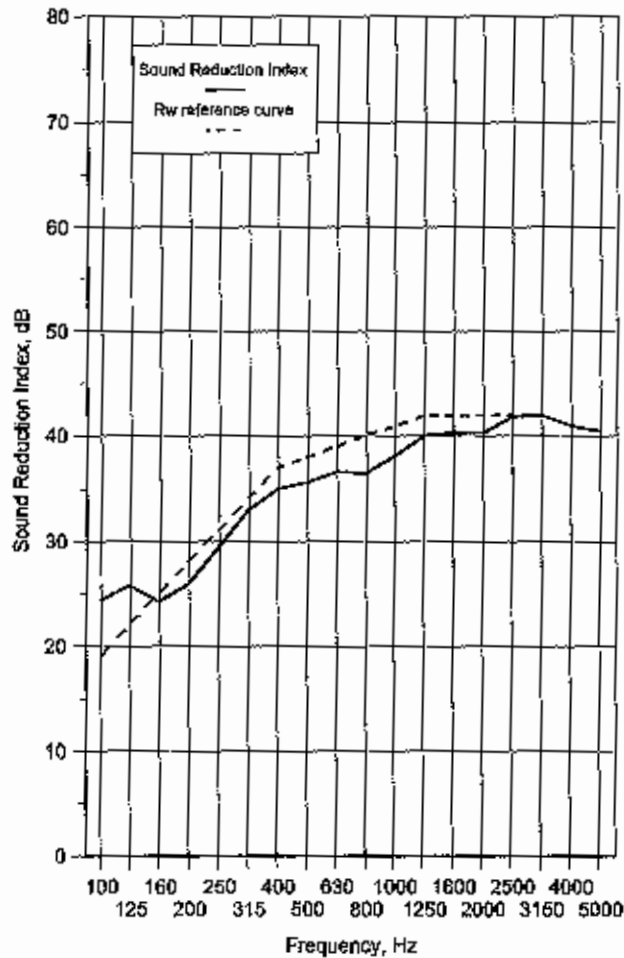
v1.8



## Data Sheet 5

Test Number :	13	Air temperature:	18.9 °C
Client:	George Barnsdale & Sons Ltd	Air humidity:	58 %
Test Date:	28/08/2007	Receiving room volume:	300 m <sup>3</sup>
Sample height:	1.21 m	Source room volume:	115 m <sup>3</sup>
Sample width:	1.21 m	Sample weight:	51.4 kg/m
Product Identification:	C2 Flush Casement Window - 8 / 10 / 8.8 lam.		

Freq f Hz	Sound Reduction Index, dB	
	1/3 Oct	1/1 Oct
50+	24.3	
63+	25.6	25.5
80+	27.0	
100	24.4	
125	25.7	24.7
160	24.2	
200	25.9	
250	29.3	28.5
315	32.9	
400	35.0	
500	35.6	35.7
630	36.6	
800	36.5	
1000	38.2	38.0
1250	40.0	
1600	40.3	
2000	40.3	40.7
2500	41.9	
3150	42.0	
4000	40.9	41.1
5000	40.5	
6300+	45.1	
8000+	49.0	47.4
10000+	49.6	
Average 100-3150	34.3	



Rating according to BS EN ISO 717-1:1997

Rw(C;Ctr) = 38 (-1;-4) dB

Notes : \* designates measurement corrected for background

# designates limit of measurement due to background

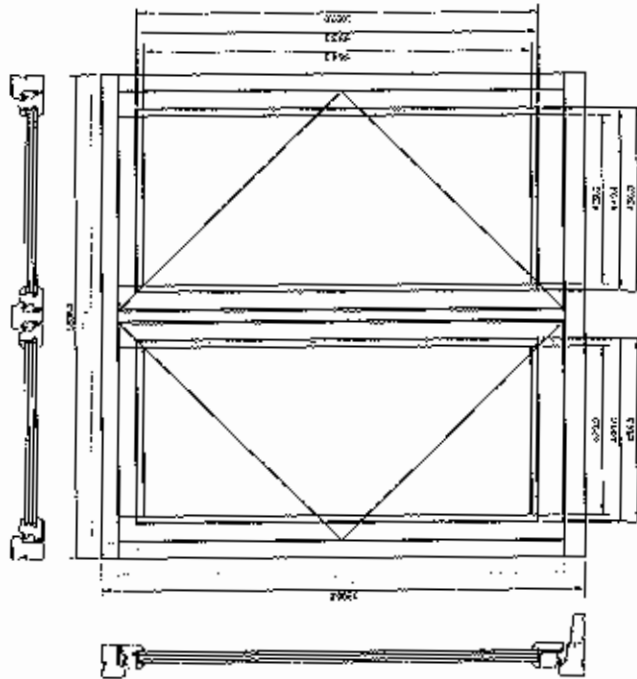
+ designates frequency beyond standard and not UKAS accredited

v1.6

## Drawing 7 (Test 13)

If in doubt ASK  
Do NOT Scale Drawing

- 1 No. softwood flush casement window (C2)
- Ref. Acoustic Testing
- 7 Finger jointed redwood sashes
- Fully finished white
- 8mm Laminated
- 10mm Cavity
- 8.5mm float
- White spacer bar to sealed units
- Glazed with black Hodgson tape
- See drawing C2-Acoustic-Section for sectional details
- Job No. WB077



Acoustic Testing  
Outside View

Revision

Manufacturing  
Details

Project - Acoustic Testing  
C2 Flush Casement Window  
Drawing No. C2-31-10-06-5  
Scale 1:10 on A3  
Drawn by IS/abert  
Date 10-05-07

George Barnsdale  
& Sons Limited  
High Street  
Donington  
Spalding PE11 4TA  
01775 823000

## Drawing 8 (Tests 11 to 13)

