



S O U T H



H O L L A N D
DISTRICT COUNCIL

Council Offices
Priory Road
Spalding
Lincolnshire
PE11 2XE

tel: 01775 761161
fax: 01775 710772
web: www.sholland.gov.uk

FILE COPY

Application no: H15-0941-09

Applicant: Mr and Mrs W Barrell
Bresby House
New Road
Quadring Eaudike
Spalding Lincs
PE11 4QB

Agent: Robert Lowe Chartered Architect
1-2 North End
Swineshead
Boston
Lincolnshire
PE20 3LR

Description: Details of bricks and panel showing mortar mix, extent of brickwork repairs and support structure to gable wall and alternative constructional details for cast iron sash weights and traditional cill (Conditions 2, 3, 4 and 6 of H15-0938-08)

Location: Bresby House
New Road
Quadring Eaudike
Spalding Lincs
PE11 4QB
PE11 4QB

Amendment: Revised sash window detail, gable support and floor joist calculations (dwg. no.W1C)

Letter Sent: 3rd February 2010

Dear Sir/Madam

ACKNOWLEDGEMENT OF AMENDMENT

I acknowledge receipt of the amended details in respect of the above and confirm that the changes are able to be incorporated in the application which will now **only be considered in its amended form**.

Your rights of appeal remain as explained on the original acknowledgement.

You are reminded that revision to any submission made under the Building Regulations may also be necessary.

Yours faithfully

Head of Planning & Development

AMENDMENT RECORD SHEET - LIVE APPLICATION

Admin to Complete

Date Received KP 2-2 Registered ☒ 2-2

Case Officer to Complete

Has this amendment been requested? Yes/No

If Yes, is it what was asked for? Yes/No

Is it an amendment in principle? Yes/No

Is it the same character/description for fee purposes? Yes/No (Refer to Admin if in doubt)
If No, but amendment requested, the following must be completed if the amendment is to be accepted

Certified That The Development Objectives Outweigh The Financial Objectives

Senior Officer's Signature: [Signature] Date: 02/02/2010

Re-Consults as a result of this amendment

None ☒ All ☐

Partial ☐ Parish Council ☐ Ward Member ☐ Press ☐ Site Notice ☐

Residents/Other ☐ - Name/Address:

Case Officer's Decision:

REJECTED - New Application Required ☐

Reason

Do you want this reason to be added to the Rejection Notice? YES/NO

ACCEPTED - Superseded Details Removed ☒

Note

Do you want this note to be added to the Acceptance Notice? YES/NO

Revised Description (if applicable)

Case Officers Signature [Signature] Date 02/02/2010

Admin To Complete

Agreed Term Date Updated ☒ Re-Consultations Carried Out (if necessary) ☒

Public Register Updated ☒ Acceptance/Rejection Letter Issued ☒

(Plus Library if Re-Consulting Residents) 2/28

Porter, Karen

From: Thorn, Steve on behalf of _planningadvice
Sent: 02 February 2010 10:55
To: Porter, Karen
Subject: FW: Bresby House condition compliance application - H15-0941-09

Attachments: 07099 Waldecks revsied floor gable support calcs 2010.02.01.pdf; 07099 W1C @ A1 Sash window joinery details.pdf



07099 Waldecks revsied floor g...
07099 W1C @ A1 Sash window joi...

Karen,

I think this is an amendment to an ongoing application?

Steve

-----Original Message-----

From: Crew, Chris
Sent: 02 February 2010 09:52
To: _planningadvice
Subject: FW: Bresby House condition compliance application - H15-0941-09

Amended information for condition compliance application

-----Original Message-----

From: Chris [mailto:Chris@lowe-architects.com]
Sent: 02 February 2010 09:14
To: Crew, Chris
Cc: bill@barrell.co.uk
Subject: RE: Bresby House condition compliance application - H15-0941-09

Hi Chris

Following your email and the site meeting on 20th January 2010, please find attached revised sash window detail W1C and revised gable support and floor joist calculations. We can confirm the following:

The engineer has revised the strengthening to the floor joists. The joist depth has been reduced from 175mm to 100mm to match the depth of the existing joists, this means that the floor joist strengthening will have no impact on the relationship between the floor and staircase, skirtings, cupboards and bedroom door.

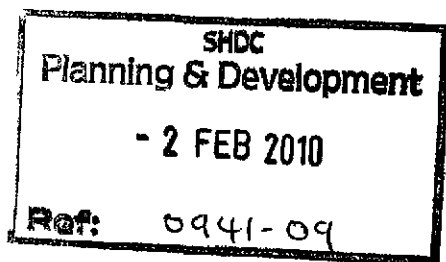
The engineer has also confirmed that the floor structure to bedroom 5 (the room you enter through to get to bedroom 6) is not suitable for carrying the loads of its purpose and in time could also cause detrimental damage to the existing structure; the engineer has confirmed that the same detail as that to bedroom 6 will be suitable for strengthening this floor structure, is this acceptable? And can this be linked to this permission?

The note suggesting that the existing chimney stack maybe demolished and removed on the structural engineer's detail SK2 has been removed.

The note stating that the existing cupboard is to be removed to allow for the introduction of the support scaffolding on the structural engineer's detail SK1 has been removed, the support scaffolding is also shown as being clear of the cupboard.

The note on drawing 07099/W1C has been revised to read existing window dimensions are to be checked on site by the joinery manufacturer and matched; the note also states window ironmongery to be installed.

I trust that the information provided is sufficient, but if you have any queries please do not hesitate to contact me.



Regards
Chris Lilley

ROBERT LOWE CHARTERED ARCHITECT

1-2 North End, Swineshead, Boston, Lincolnshire	PE20 3LR
Phone: 01205-821117	Fax:
01205-821139	
Mail: chris@lowe-architects.com	Web:
www.lowe-architects.com	

-----Original Message-----
From: Crew, Chris [mailto:ccrew@sholland.gov.uk]
Sent: 05 January 2010 15:01
To: Chris
Subject: Bresby House condition compliance application - H15-0941-09

Afternoon Chris

Just going through the file on this one and have picked up on a couple of issues that I hope you can address.

- The S.E.'s proposal to strengthen the first floor structure may be acceptable, but from the information provided it appears that the floor level of the first floor room will be raised to take account of the greater depth of the new joists. What impact will this have in terms of the floor structures relationship to the existing staircase, skirtings, cupboard and bedroom door?

- Dwg SK2 contained within the structural survey is annotated to suggest that the existing chimney stack may be demolished and rebuilt. Clearly this goes beyond the scope of the consent, and without an overriding justification this will be resisted. Separate consent would be required in any event.

- Dwg SK1 also states that the existing cupboard will be moved to allow for the introduction of the support scaffold, whereas the approved drawing states that the cupboard will be retained. How will this be undertaken, and what will the effect on the historic joinery be?

- I'm slightly concerned by the woolly detail on the window drawing- the external masonry is being rebuilt to match the existing opening, and it is the existing opening rather than the rebuilt section of wall that is the driver here.

I'm aware that I'll need to visit the site to view the sample panel, and it may well be worth tying that up with a look at the barns at the same time. When the weather improves I'll get in touch and arrange that.

Regards

Chris

Chris Crew
Planning Officer
South Holland District Council

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Application Amendments

Application: H15-0941-09

Location: Bresby House

New Road

Quadring Eaudike

Spalding Lincs

Postcode: PE11 4QB

House Number:

Amendment: 1

Date: 02-02-2010

Type: CUR

Current Application

Sub-Type:

Description: Revised sash window detail, gable support and floor joist
calculations (dwg. no. W1C)

Long
Description:

Agent: LOW

Des'n: Robert Lowe Chartered

Name: Robert Lowe Chartered Architect

Address: 1-2 North End

Swineshead

BOSTON

Lincolnshire

Post Code: PE20

E-Mail: Paulkirkaldie@lo

Tel: 01205 821117

Fax: 01205 821139

Ref:

✓ Yes OK?
cc.

PLANNING AMENDMENT

For Office Use only

Application No: *HIS-0941-09-01*

Date Registered: *02 FEB 2010*

Case Officer: *CWC*



(Please complete using block capitals and black ink)

APPLICANT NAME AND ADDRESS <i>Mr + Mrs W Barrell</i>		AGENT NAME AND ADDRESS <i>Robert Lowe</i>	
Telephone:		Telephone:	
SITE ADDRESS DETAILS <i>Bresby House, New Road, Quadring Eastryke</i>			
CURRENT APPLICATION NO: This amendment cannot be considered unless the relevant reference is stated.		<i>HIS-0941-09</i>	
Building Regulation reference relating to same development (if applicable)			

I attach four copies of this form and necessary plans and request that the changes described below can be accepted as an amendment. As the amendment relates to a current application, I agree to an extension of the terminal date (if applicable).

Signed :

Date:

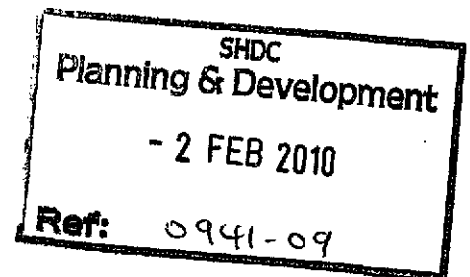
FULL DESCRIPTION OF DEVELOPMENT OF CURRENT APPLICATION THAT THIS AMENDMENT RELATES TO	<i>conditions 2, 3, 4 + 6 of HIS-0938-08</i>	
State details of amendments proposed. (Give a full detailed list of the changes, and also mark these clearly on the accompanying plans. Only the changes listed here will be considered)	<i>Revised Sash window detail, gable support + Floor joist calculations</i>	
State drawing numbers of the current submission		
Has this amendment been requested by the Council? (If so, state Officer dealing with the application)	YES/NO	
Describe any part of the original development which is excluded by virtue of the amendment, and state any alteration to plot numbers		
Has a similar amendment been submitted under Building Regulations? (If so, state Building Control Surveyor dealing with application)	YES/NO	



Waldeck Associates

Consulting Civil & Structural Engineers

Kesteven Business Centre,
2 Kesteven Street,
Sleaford,
Lincolnshire,
NG34 7DT
Tel: 01529 415909
Fax: 01529 414844
Email: eng@waldeckassociates.com
Web: www.waldeckassociates.com

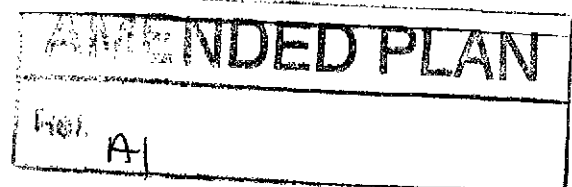


Job No 09-0019

January 2010

Structural Calculations for Mr and Mrs Barrell

**Bresby House
Quadring Eaudyke
Spalding**



constructionline
U.K. REGISTER OF PRE-QUALIFIED CONSTRUCTION SERVICES



Offices at

Kesteven Business Centre 2 Kesteven Street Sleaford NG34 7DT | 4 Henley Way Doddington Road Lincoln LN6 3QR | 35 Priestgate Peterborough Cambridgeshire PE1 1,

Waldeck Associates Sustainable Design Consultants is a Trading Style of Waldeck Associates Ltd Consultant Civil & Structural Engineers.

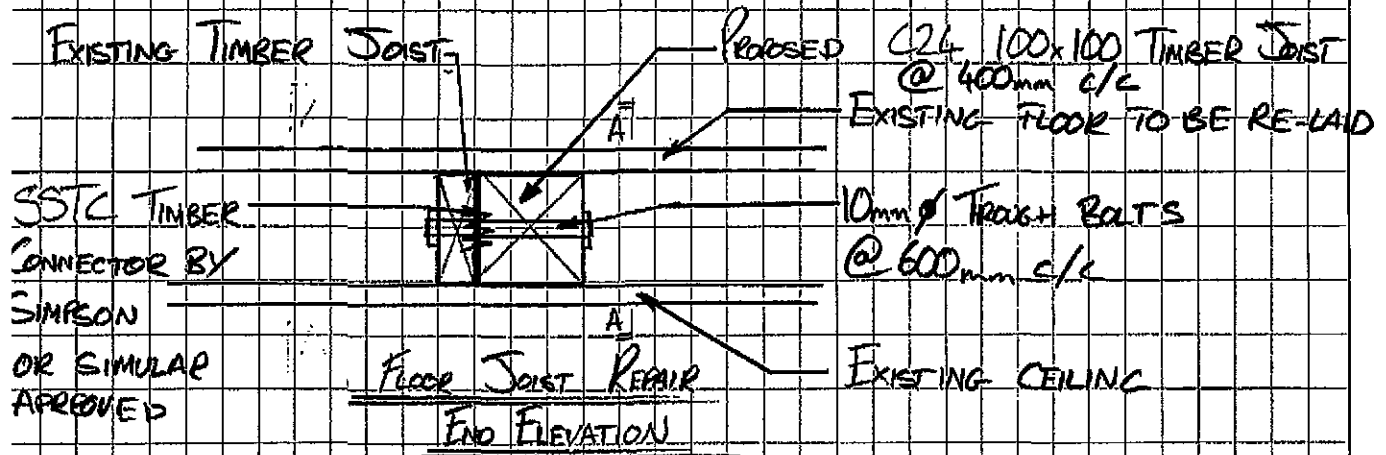
Company Registered in England and Wales N° 3450319

Registered Office: Kesteven Business Centre 2 Kesteven Street Sleaford NG34 7DT

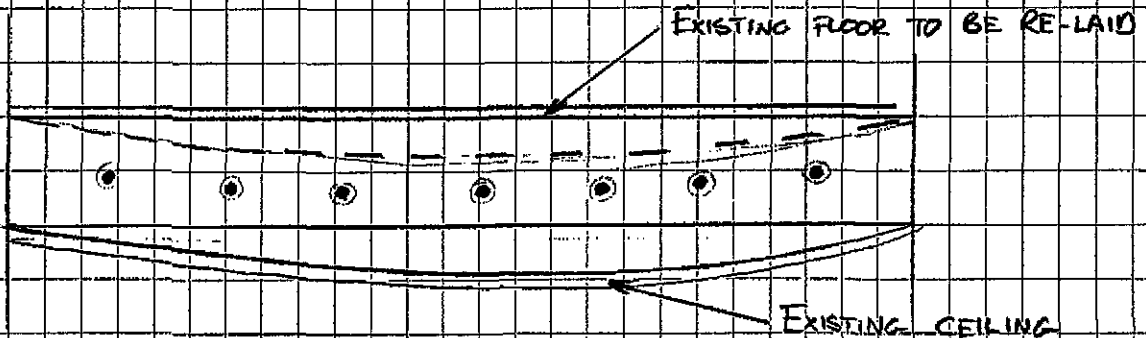
Contract BRESBY HOUSE, SPALDING	Part of Structure FLOOR JOISTS	Job No 07-0019
Drawing ref.	Calculations by WM	Date JAN 10
		Calc. Sheet No. REV A
		Revision
		Checked by

CALCULATIONS

NOT TO SCALE



4.3m Span S



SECTION A-A

FLOOR LOAD IN NOT TO EXCEED 50kg/m²

— SEE COMPUTER ANALYSIS. —

MasterSeries User Company

1 Circular Road
Newtownabbey
Co. Antrim, BT37 0RA
Tel: (028) 9036 5950

25182

Fax: (028) 9036 5102

Job Ref : 09-0019

Sheet : /

Made by :

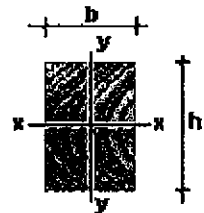
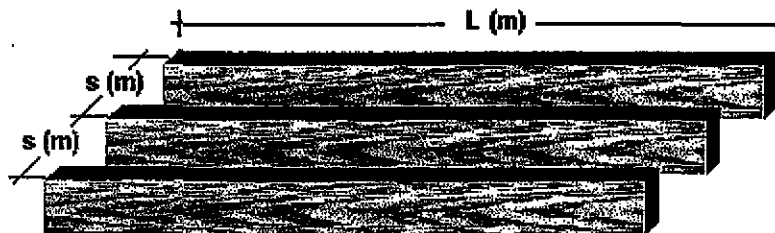
Date :

Checked :

Approved :

REV A SAN '10
/ Ver. 2009.13

**MasterKey : Timber Design
Joist Design to BS 5268 : Part 2
Timber Joist**

**Summary Design Data**

Design Cases Covered

Deflection Cases Covered

Section Size

Section Properties (cm², cm⁴, cm³)

Specification

Joist data

Joist loading

b = 100, h 100 Regularized Section in Strength Class C24

Area 100, I_x 833.3, Z 166.7

Service class 1 : Internal use in continuously heated building

Medium Term loading, Load sharing

Span 4.32 m, Spacing 0.4 m, Bearing length B 75, Distance to Bearing 150 mm

Dead load 0.5 kN/m², Live load 0.0 kN/m²**Grade and Admissible Stresses (Strength Class C24)** $\sigma_{m,adm} = K_2 \cdot K_3 \cdot K_7 \cdot K_8 \cdot \sigma_m$

1.00 x 1.25 x 1.13 x 1.10 x 7.50

11.64 N/mm² $\sigma_{o,adm} = K_2 \cdot K_3 \cdot K_4 \cdot K_8 \cdot \sigma_o$

1.00 x 1.25 x 1.14 x 1.10 x 1.90

2.98 N/mm² $\tau_{adm} = K_2 \cdot K_3 \cdot K_8 \cdot \tau$

1.00 x 1.25 x 1.10 x 0.70

0.96 N/mm² $E = K_2 \cdot E_{mean}$

1.00 x 10800

10800 N/mm²**Design Loads**

Density and Selfweight

 $w = (F_d + F_l) \cdot s + F_j$ Timber Density 420 kg/m³, F_j 0.04 kN/m

(0.50 + 0.00) x 0.4 + 0.04

0.24 kN/m

Bending Check $M = w \cdot L^2 / 8$ 0.24 x 4.32² / 8

0.560 kN.m

 $\sigma_{m,a} = M / Z$

0.560 / 166.67 ≤ 11.64

3.36 N/mm²

OK

Shear and Bearing Check $F_v = w \cdot L / 2$

0.24 x 4.32 / 2

0.518 kN

 $\tau_v = 1.5 F_v / \text{Area}$

1.5 x 0.518 / 100 ≤ 0.96

0.08 N/mm²

OK

 $\sigma_{ca} = F_v / (b \cdot B)$

0.518 / (100 x 75) ≤ 2.98

0.07 N/mm²

OK

Deflection Check $\delta_m = 5 \cdot w \cdot L^4 / (384 \cdot E \cdot I_x)$ 5 x 0.24 x 4.32⁴ / (384 x 10800 x 833.3)

12.09 mm

 $\delta_s = 12 \cdot w \cdot L^2 / (5 \cdot E \cdot \text{Area})$ 12 x 0.24 x 4.32² / (5 x 10800 x 100)

0.10 mm

 $\delta = \delta_m + \delta_s$

12.09 + 0.10 ≤ 0.003 L or 14 mm

12.19 mm

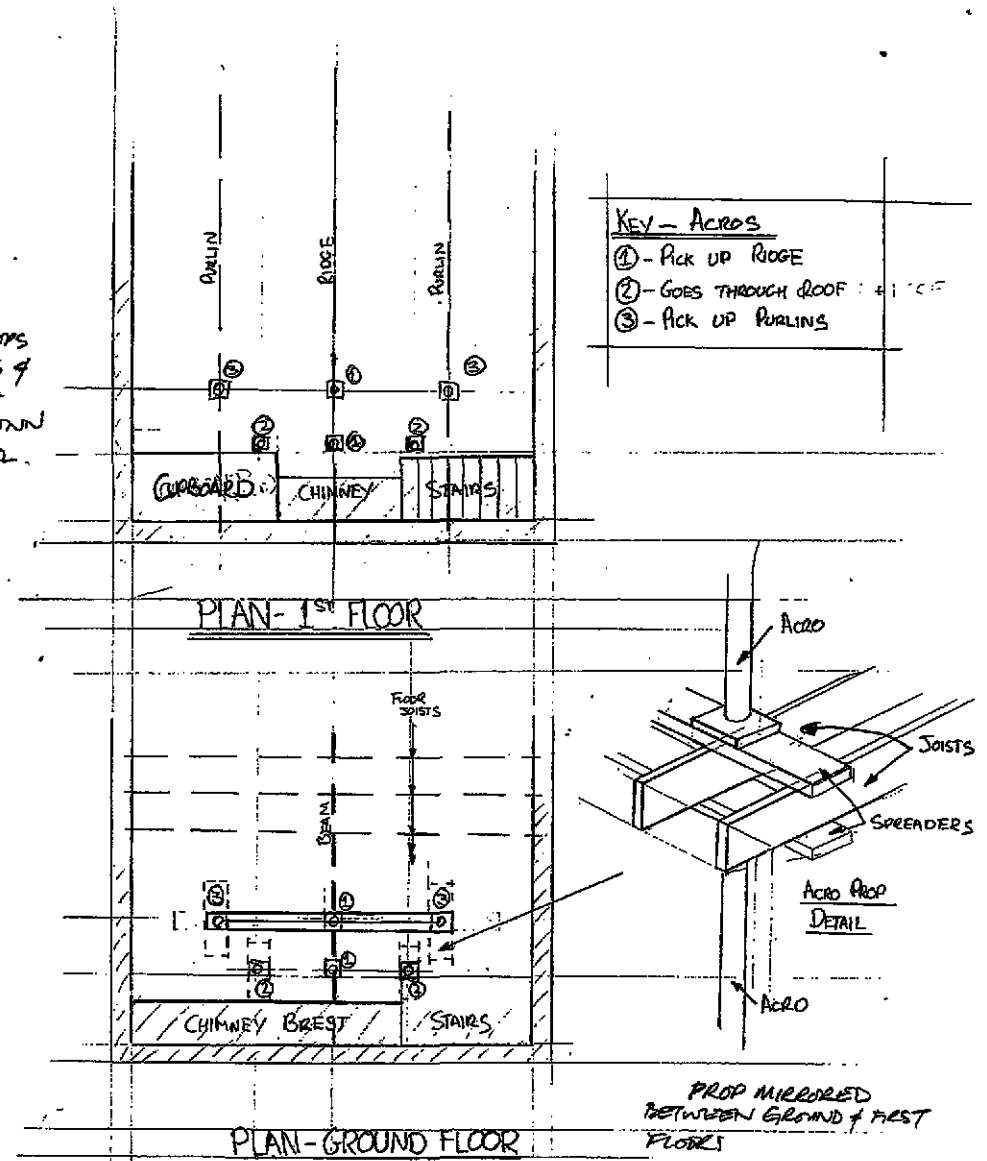
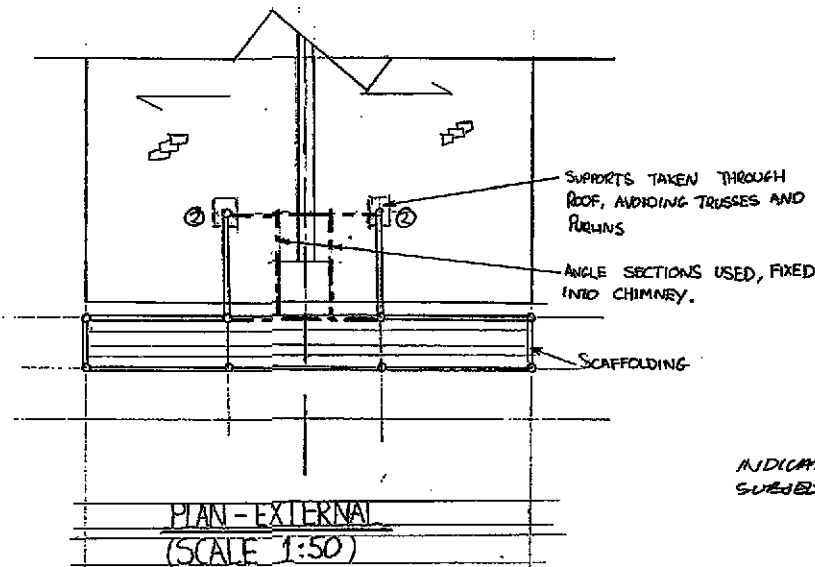
OK

TO BE READ IN CONJUNCTION WITH ALL
OTHER RELEVANT DRAWS, NOTES & REPORTS.

WALL REBUILD USING MATERIALS
TO ARCHITECT'S SPECIFICATION.

INDIVIDUAL PROPS
UNDER PURLINS &
RIDGE BEAM -
PROPS TAKEN DOWN
TO FLOOR LEVEL.

ALL SCAFFOLD & PROPS
TO BE INSPECTED BY
ENGINEER PRIOR TO
REMOVAL OF WALL.



INDICATIVE SUPPORTS LAYOUT
SUBJECT TO CONFIRMATION ON SITE.

Do NOT SCALE
SKI REV A JUN 10

TO BE READ IN CONJUNCTION WITH
ALL OTHER RELEVANT DRS, CALCS & DOCUMENTS.

ALL SCAFFOLD ERRECTED BY
PROFESSIONAL CONTRACTOR
IN ACCORDANCE TO BS EN 12811-1 2003.

CHIMNEY TO BE FULLY
RESTRAINED VIA SCAFFOLD

EXTERNAL SCAFFOLD
ARRANGEMENT

DEFECTIVE
AREA
OF
WALL

BRACING

BRACING

ALL SCAFFOLD & PROPS
TO BE INSPECTED BY
ENGINEER PRIOR TO
REMOVAL OF WALL

ALL ROOMS TO BE SEALED OFF
FOR ACCESS DURING WORKS.

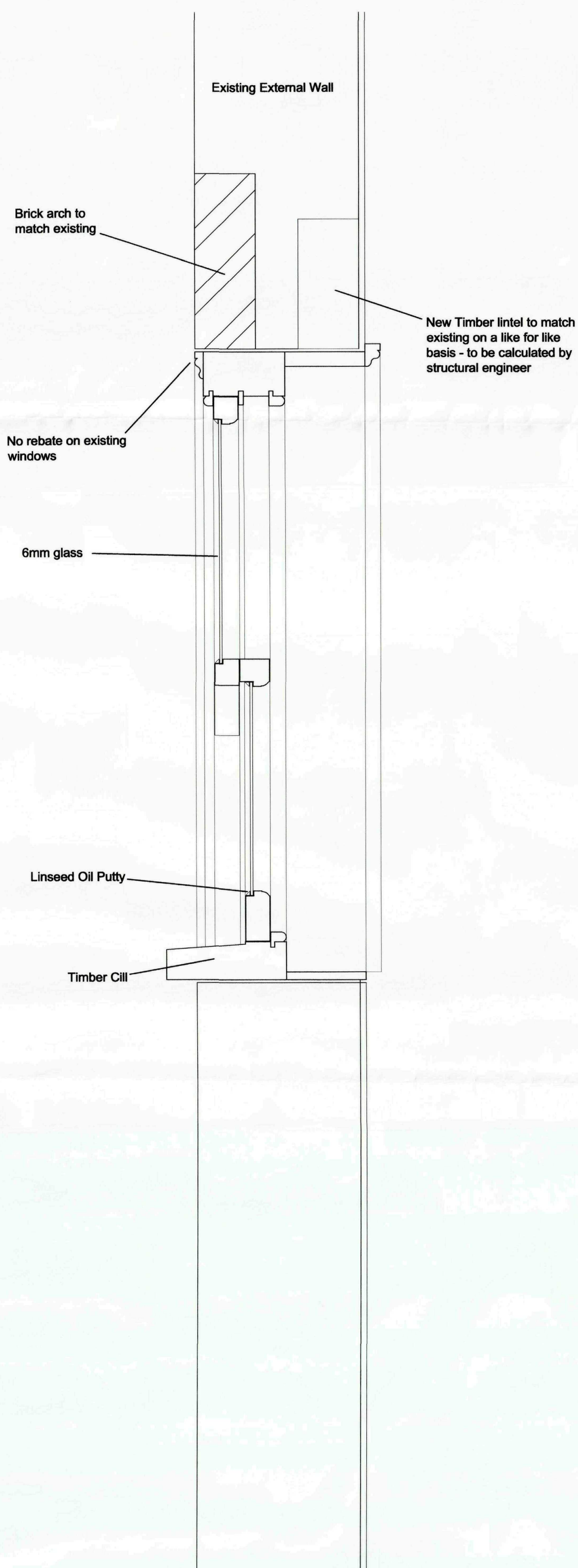
ALL PROPS TAKEN DOWN
TO SOLID FLOORS.

END ELEVATION
(SCALE 1:50)

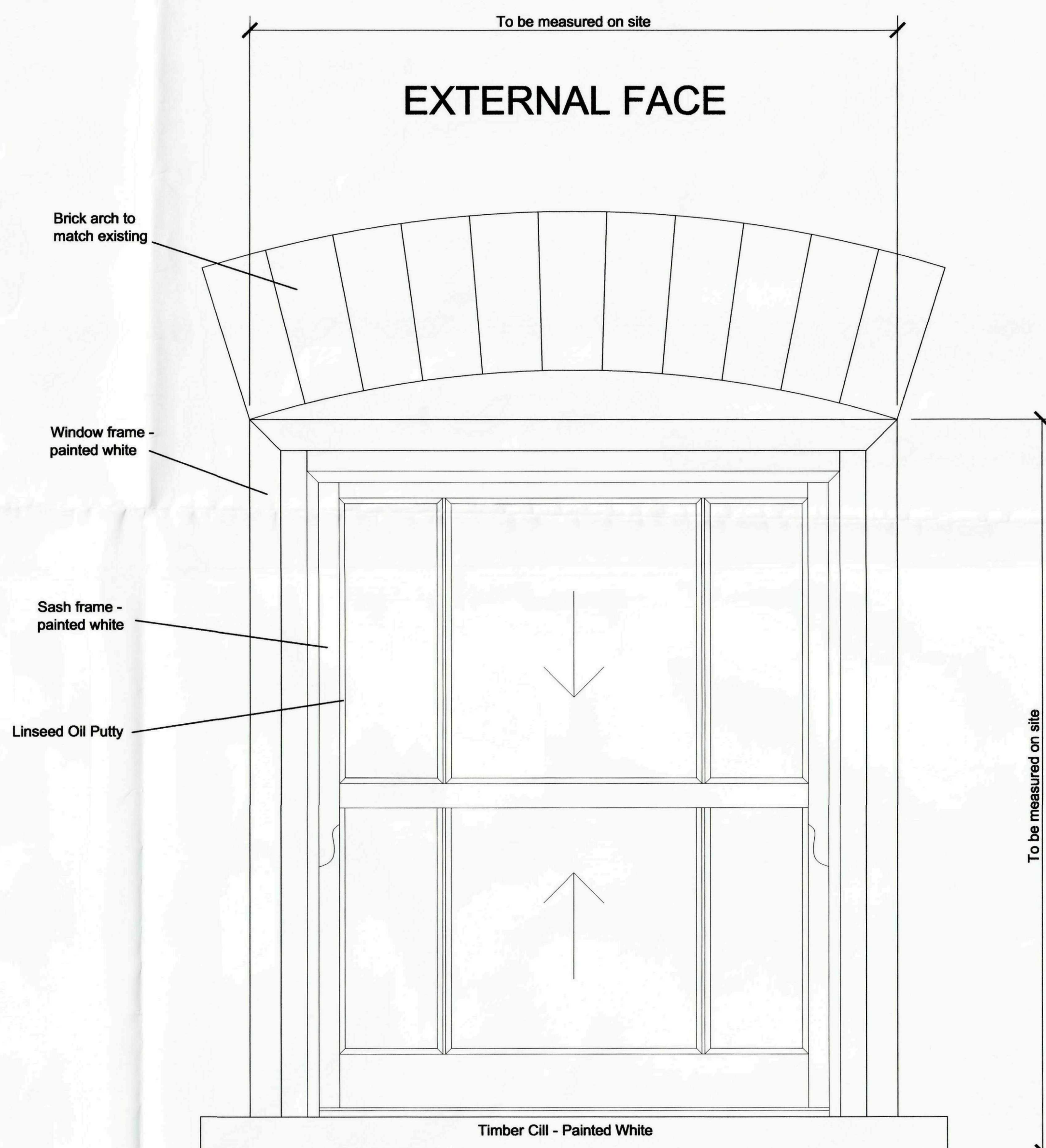
INTERNAL ELEVATION A-A

SK2

REV A JAN '01



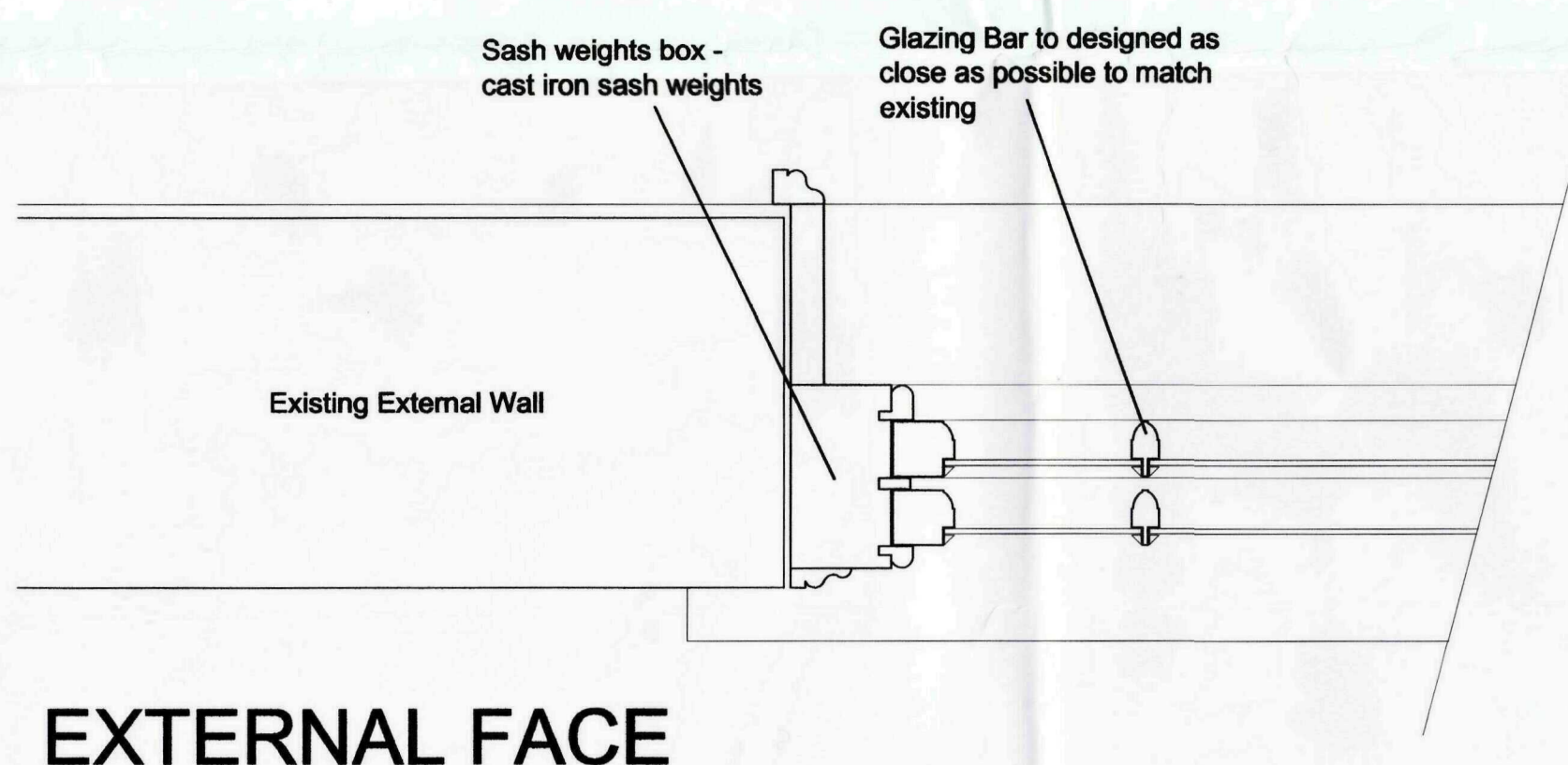
Vertical Sash Window
Vertical Section 1:10 scale



Detail for replacement weighted
vertical sash window to bedroom 6

Vertical Sash Elevation 1:10 scale

NOTE: These details indicate sizes and shapes of joinery for planning purposes. Existing Window Dimensions are to be checked on site by the joinery manufacturer and matched, the window is to be fitted with 1 No PB sash fastener, 2 No PB sash lift and 2 No brass ventilating sash window lock.



Vertical Sash Window
Horizontal Plan Section 1:10 scale

AMENDED PLAN

SHDC
Planning & Development
- 2 FEB 2010
Ref: 0941-09

Rev C January 2010 Existing dimensions to be matched, ironmongery added
Rev B November 2009 Weighted sash rather than spiral, cill detail revised
Rev A November 2008 Internal timber lintel

A1

ROBERT LOWE
CHARTERED ARCHITECT
1-2 North End, Swineshead
Boston, Lincs., PE20 3LR
Phone 01205-821117
Fax 01205-821139
info@lowe-architects.com

Project: Conservation Rooflights & Structural Remedial Works
Bresby House, Quadding Eaudike
Client: Mr & Mrs Barrell
Drawing Title: JOINERY DETAILS FOR REPLACEMENT VERTICAL SASH WINDOW TO BEDROOM 6
Date: January 2010
Scale: 1: 10 @ A3
1: 5 @ A1
Project No: 07099
Drawing No: 07099
Drawn: CL
Rev: W1 C
Contractors are to check all dimensions on site and to report any discrepancy to the Architect.
Do not scale from the drawing.
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