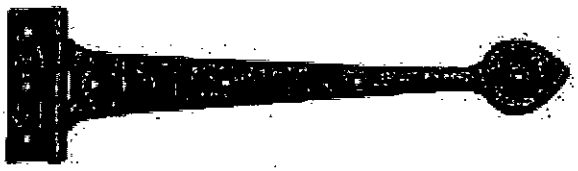
H09/0157/09 – Strap Hinge details by Kirkpatrick (product number 814)



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Strap hinge is cast malleable iron, please find attached below Kirkpatrick's details on this.



There are many similar products available in the UK and indeed worldwide. However, we cast all of our products in whiteheart malleable iron which is particularly durable and well suited to the manufacture of architectural ironmongery.

Our long tradition of manufacturing these products means that they have a style and authenticity which is lacking in the cheap imitations which are available. Our workforce is skilled in the traditional methods of production which have not changed in essence over the last 140 years.

Despite our use of traditional methods we are a forward looking Company. We have invested considerable sums in a new electric melting facility which produces a much more consistent quality of iron. This facility has also gone some way to helping us meet the environmental standards demanded by current UK legislation.

Although our products are traditional in look and feel we are always looking to develop our product range to meet current trends and legislation. Our range of locking fasteners and levers which operate three point locking systems are testimony to this.

What is the difference between cast iron and malleable iron?

A. There are many types of cast iron. Black ironmongery is available generally in grey, (cast), iron, SG, (Spheroidal Graphite), and malleable iron.

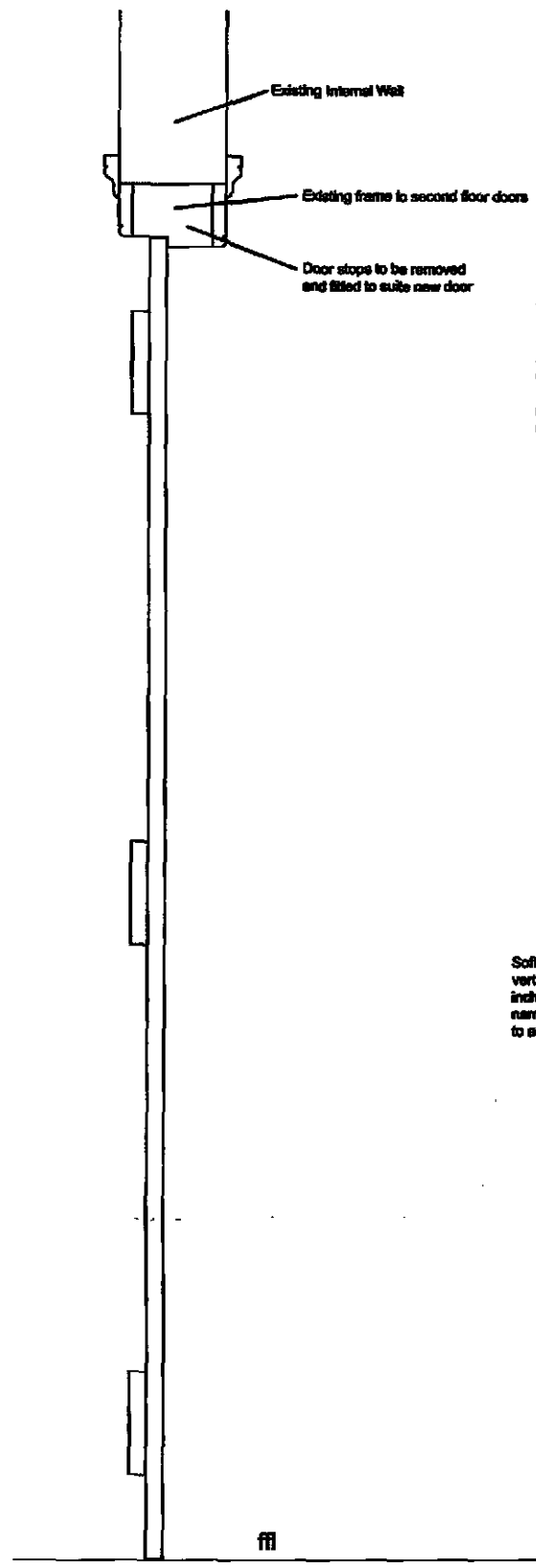
Grey iron, although relatively easy and cheap to cast, is extremely brittle, in thin sections especially, and cannot be rivetted, hammered or assembled with any ease.

SG iron, although more durable than grey iron is difficult to cast into thin sections and this precludes its use in many of our products. In addition it does not possess the inherent toughness of malleable iron which is vital in the everyday use of our door and window furniture.

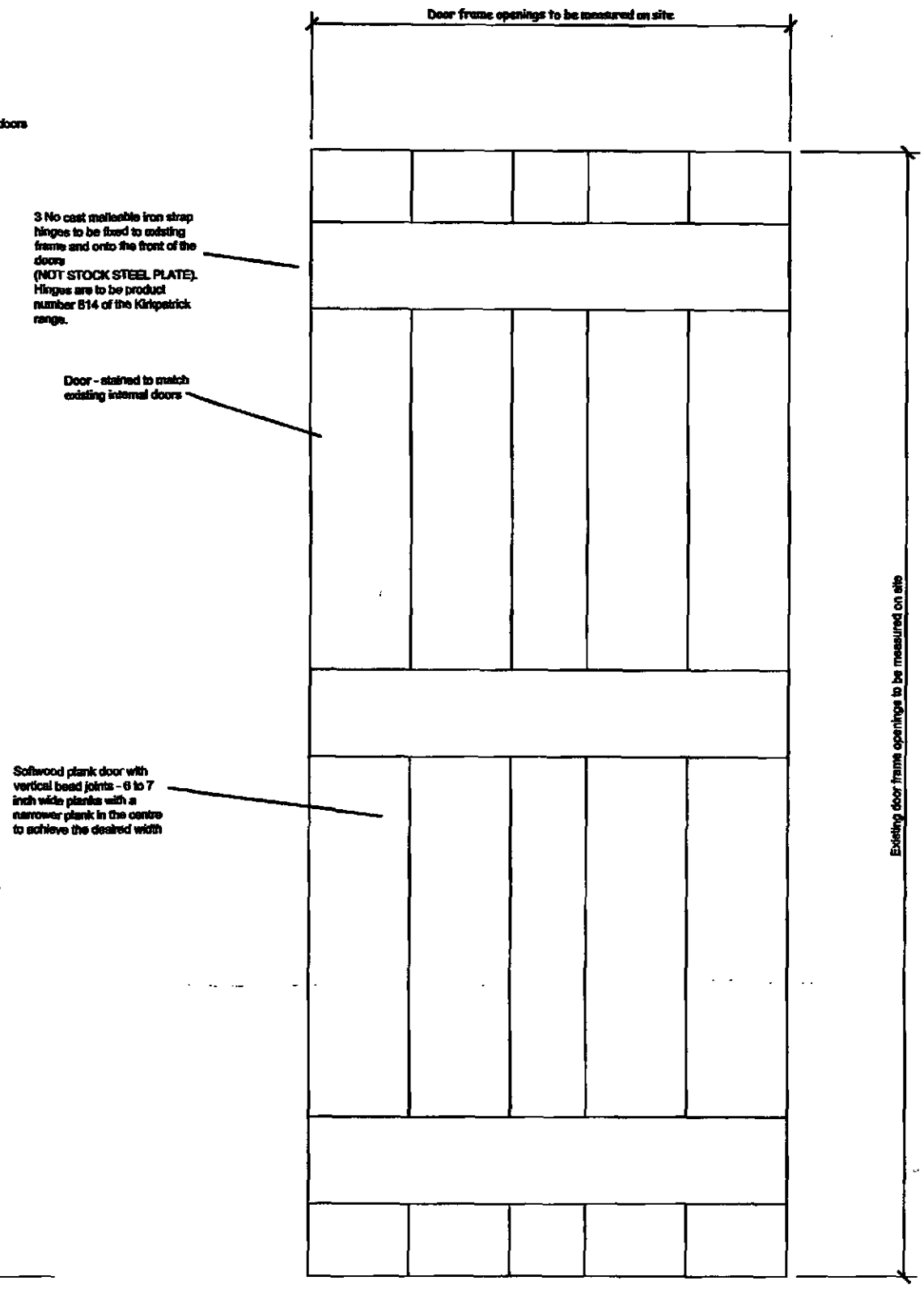
Malleable Iron is an iron which, after casting, is subjected to a heat treatment process known as annealing. In this process castings are heated to around 1000C for up to 100 hours whilst in contact with haematite ore. The ore acts as an oxidising agent which removes carbon from the casting. It is the presence of carbon in cast iron which causes its brittleness and removing some makes the casting stronger or more malleable.

AMENDED PLAN
Ref. A2

DRAWINGS TO READ IN CONJUNCTION WITH THE CONSTRUCTION NOTES AND MANUFACTURERS DETAILS



Timber Door Vertical Section 1:10 scale

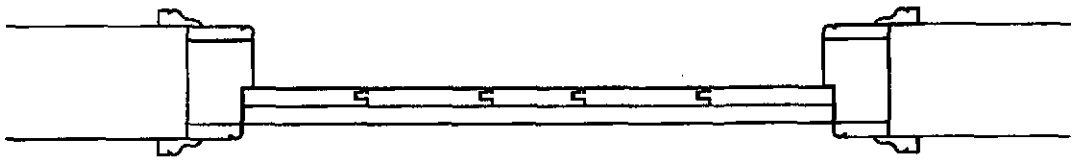


Typical detail for new and replacement internal doors in timber frame (softwood)

Timber Door Elevation 1:10 scale



Vertical Bead Joint Horizontal Plan Section 1:2 scale



Timber Door Horizontal Plan Section 1:10 scale

NOTE:These details indicate sizes and shapes of joinery for planning purposes. Existing Internal Door Dimensions are to be checked on site by the joinery manufacturer and matched as much as is practically possible and the joinery manufacturer is to design in suitable ironmongery etc.

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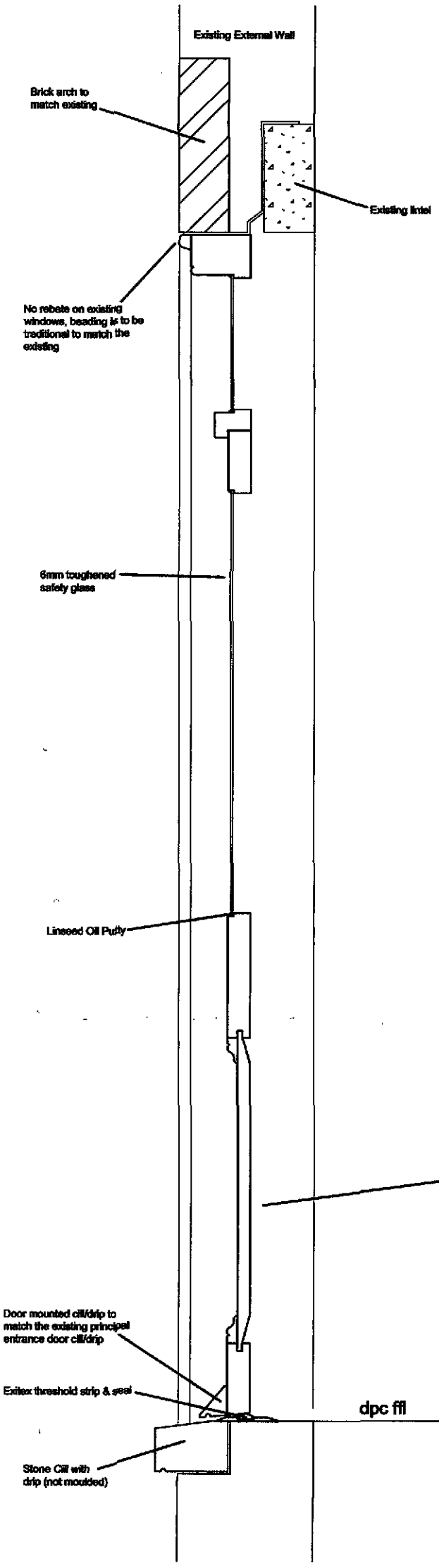
Rev C June 2009 6 - 7 inch wide planks, strap hinges to be cast malleable iron and located on front of door, 1:2 scale drawing of vertical beading added
Rev B May 2009 Wider planks with no bracing, Wrought iron strap hinges
Rev A February 2009 Revised to plank doors

A1

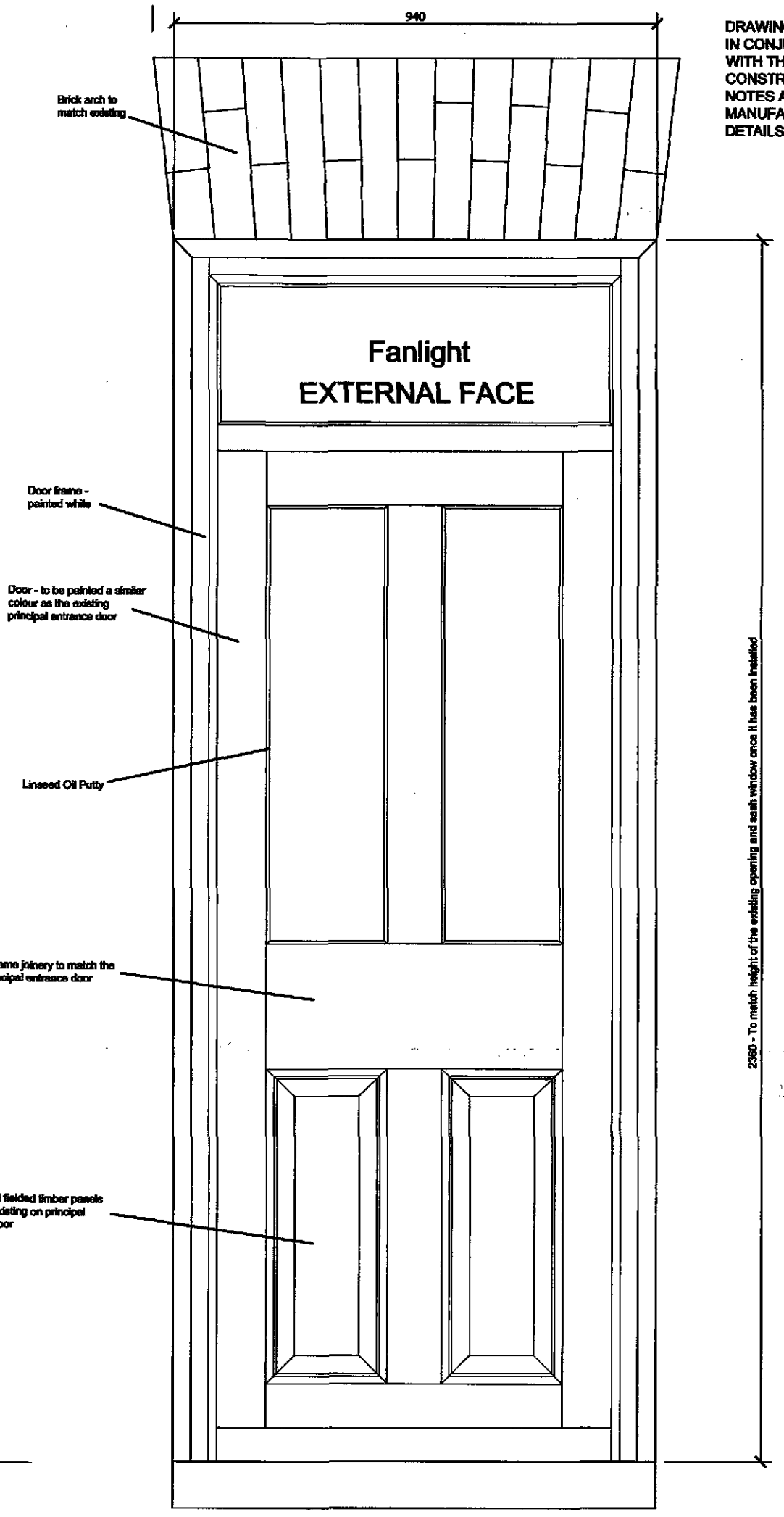
ROBERT LOWE CHARTERED ARCHITECT
1-2 North End, Swineshead
Boston, Lincs., PE20 3LR
Phone 01205-821117
Fax 01205-821139
info@lowe-architects.com

Project: Remedial Works, 4 Albert Street, Holbeach, Lincs
Client: Mr A Elwins
Drawing Title: JOINERY DETAILS FOR NEW SECOND FLOOR TIMBER INTERNAL DOORS - D3, D4 & D5
Date: June 2009
Scales: 1:10 @ A3, 1:5 @ A1
Project No: 09036
Drawn: CL
Drawing No: D3
Rev: C

© 2009



Timber Door Vertical Section 1:10 scale

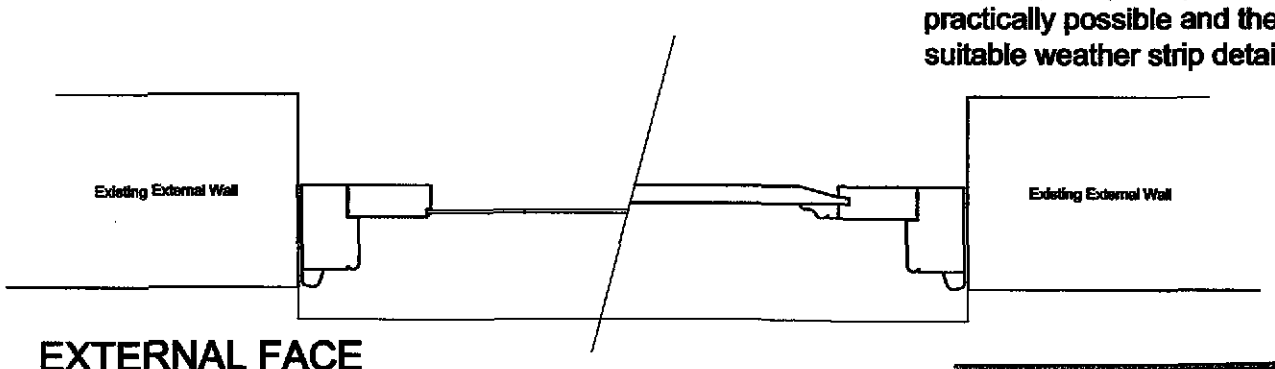


Timber Door Elevation 1:10 scale

DRAWINGS TO READ IN CONJUNCTION WITH THE CONSTRUCTION NOTES AND MANUFACTURERS DETAILS

Detail for new external door and fanlight in timber frame (softwood)

NOTE:These details indicate sizes and shapes of joinery for planning purposes. Existing Door Dimensions are to be checked on site by the joinery manufacturer and matched as much as is practically possible and the joinery manufacturer is to design in suitable weather strip details & ironmongery etc.



EXTERNAL FACE

Timber Door Horizontal Plan Section 1:10 scale

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Fax 01205-821139
info@lowe-architects.com

Project: Remedial Works
4 Albert Street
Holbeach, Lincs
Client: Mr A Elwine
Drawing Title: JOINERY DETAILS FOR NEW TIMBER EXTERNAL DOOR & FANLIGHT - D1

Date: June 2009
Scale: 1: 10 @ A3
1: 5 @ A1
Project No: 09036
Drawn: CL
Drawing No: D1
Rev: C

Contractors are to check all dimensions on site and to report any discrepancy to the Architect. Do not scale from the drawing. © 2009

A1 Rev C June 2009 Non moulded stone cill
Rev B May 2009 Stone cill


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