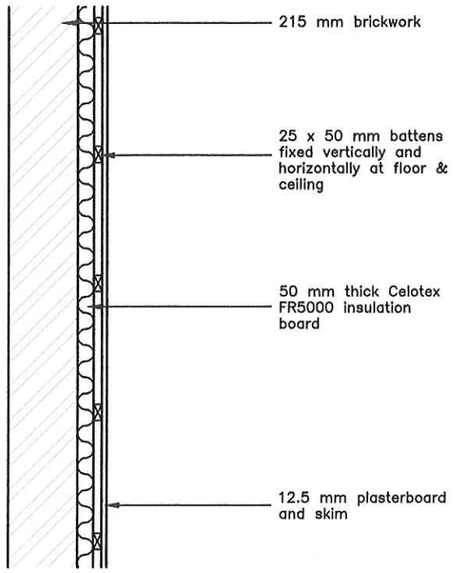
A3



TYPICAL SECTION
215 mm wall construction to achieve U value 0.28 W/m2K

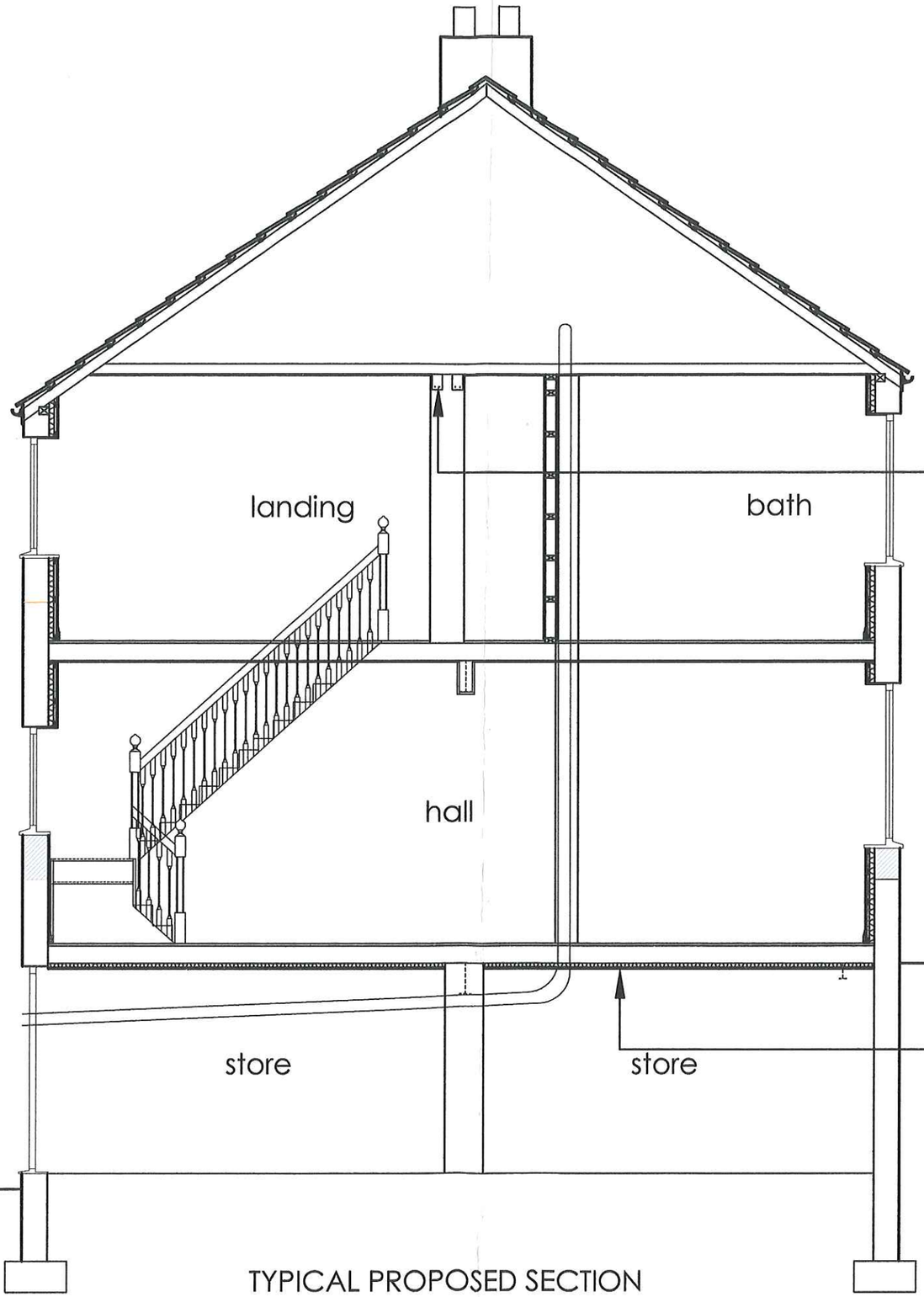
Preparation:
The ceiling lining should be in position before wall lining commences.
Wall mounted fittings such as electrical sockets should be fitted so as to take into account the additional wall thickness. Heavy surface mounted fittings will require provision for the fixing load to be applied direct to the supporting wall and not to the Kingspan Kooltherm® K18 Insulated Dry–lining Board in isolation. On existing constructions all surfaces should be clean and free of loose or flaking materials. Wallpaper should be stripped and surface mounted fittings removed.

Window / Door Reveals and Soffits:
Narrow widths of board should be cut and rebated to allow a plasterboard / plasterboard joint at the angle. Fixing should employ the same method as is used for the plain wall areas. Care should be taken to ensure that the cavity in cavity wall constructions is not bridged by the board or fixing medium in such a manner that would allow the passage of water through to the inner leaf. Where adhesives are employed, soffit boards and boards at window heads should be temporarily supported.

Mechanical Fixing to Vertical Timber Framing / Battens:
This method may be used on timber frame constructions or on any dry masonry walls that will support and retain the battens and associated fixings. Kingspan Kooltherm® K18 Insulated Dry–lining Board should be fixed to timber framing / battens set at maximum 600 mm centres and positioned horizontally at floor and ceiling level. The timbers should run vertically and be wide enough to offer a minimum 20 mm support to all four edges of the board. Drywall screws or, alternatively, galvanised clout nails, long enough to allow a minimum 25 mm penetration of the timber, should be placed at 150 mm centres and not less than 10 mm from the edges of the board. They should be driven straight with the heads embedded just below the surface of the board. Care should be taken not to overdrive nails / screws. Timbers should be treated where appropriate.

Finishing:
Tapered edged boards allow the employment of standard dry–lining techniques. A plaster skim finish can also be applied to the boards. The finishing should be carried out in accordance with the specified manufacturer's instructions, particularly in relation to the need to allow thorough drying of the plaster prior to decoration.

Cutting:
Cutting should be carried out either by using a fine toothed saw, or by using a sharp knife to cut through the insulation and paper backing of the plasterboard, then snapping the board face down over a straight edge and cutting the paper facing of the plasterboard on the other side. Ensure accurate trimming to achieve close butting joints and continuity of insulation.



TYPICAL PROPOSED SECTION
scale 1:50

remove part existing wall as indicated and insert 2 No two course reinforced concrete lintel – make good to all disturbed surfaces

Stud walls to be 100 x 50 mm timber framing at 450 mm centres fixed at the head and sole plates with horizontal cross noggins at 600 mm centres. 100 mm thick mineral wool insulation batts are to be fitted between the framing. Timber framing to be faced both sides with 12.5 mm plasterboard and skim. – as an alternative use the Gypwall Classic metal stud partition system.

The existing ground floor/lower ground floor is to be insulated as per attached detail. Ceiling below/store room ceiling to be finished using PROMAT MASTERBOARD underlining Celotex PL4000 insulation to provide 30 minutes fire resistance and suitable for semi–exposed conditions. Where services pass through the store ceiling they are to be suitably fire stopped. The store ceiling is to be insulated as per attached detail.

KAD
ARCHITECTURAL DESIGN & SURVEYING SERVICES
52 Parkway
Trentham
Stoke-On-Trent
Staffordshire
ST4 8AG
tel: 07974 243439
www.kadarchitectural.co.uk
jon@kadarchitectural.co.uk

Copyright
KAD Architectural Design & Surveying Services.
This drawing and the designs depicted may not be reproduced in whole or in part without the prior written permission of KAD Architectural Design & Surveying Services

THE PARTY WALL ACT 1996 - The Client's attention is drawn to the Party Wall Act 1996 which requires notification and agreement to be made with adjoining owners, where the building owner undertakes any building works on, adjacent to or near to the party wall line between the properties. the Client shall ensure that all legal obligations in this regard are complied with.

REVISIONS & PUBLICATION DATES

Building Regulation Purposes Only

PROJECT NUMBER / DRAWING NUMBER

CLIENT Mr & Mrs D Thompson
Thorn Tree Farm
Leek Old Road
Longsdon
Staffs
ST9 9QJ

DRAWING TITLE
Proposed Section

FIRST PUBLICATION DATE
November 2016 Jon Bennet

SCALE :-
1:50 printed @ A3

PROJECT
Proposed Conversion of Existing Shop into Single Dwelling and associated works at
86 Tunstall Road
Biddulph
Stoke On Trent
ST8 6HH