



300x600 natural slates on
25x25mm treated battens on
Tyvek or shilar breather membrane
25mm air gap between membrane and
70mm Celotex PIR insulation between existing
125mm rafters
70mm Celotex PIR insulation below rafters
Vapour barrier
125mm Plasterboard and plaster skin

175mm feather edged boarding
50x25mm counter batten existing structure
150mm Rockwool shear frame insulation within existing
structure
150mm Rockwool shear frame insulation within existing
structure
125mm lasterboard and skin

175mm feather edges boarding
50x25mm counter batten
Breather membrane over existing structure
150mm Rockwool shear frame insulation within new
loadbearing studwork
180mm VSS
125mm lasterboard and skin

DPC dressed up internal face
of external walls to overlap
with existing DPC 150mm above
ground level between
brickwork and timber frame.

Existing underpinned
Foundations and concrete
floor slabs - works including
Application 03-00376-CDU
and 03-00377-CDU

100mm sand/cement Screed
100mm PIR insulation with 25mm turned up around
perimeter of screed
100mm PIR insulation with 25mm turned up around
dressed up adjacent existing walls to overlap with
existing DPC in walls

Existing beam
to be
repositioned
below
First Floor
structure

25mm Floorboarding
170x47 C24 joists at 4000 c/s
100mm acoustic oak
125mm Plasterboard
ceiling with skin
Existing beam
repositioned below
First Floor
structure

New fitch beams on timber posts
bearing on existing foundations

Existing beam
to be
repositioned
below
First Floor
structure

300mm Rockwool loft
insulation
100mm screed
underneath of rafters
125mm Plasterboard and
plaster skin



INDICATIVE SCALE BAR

Date	Revision	D.r.
-	-	-

DO NOT SCALE THIS DRAWING.
SITE CHECK ALL DIMENSIONS.

Applicant:
Mr & Mrs Hofmeister
101 Kenilworth Drive, Croxley Green,
Rickmansworth, WD3 3NN

Project:
Barn Conversion at
Willow Barn, Bower Hill Lane
Pentlow CO10 7JF

Title: Section A-A	
Scale: 1:50	Dwg No.: 101
Revision: /	Drawn: RH
Reference:	Date: 26-9-21