

existing brickwork
25mm buffer - void
enclosure packer
35 x 25mm cambrised
rilling batten
T&G boarding
Services
25mm void

12.5mm foil-backed plasterboard
with sand/cement render
finish or lime putty finish
to approval

170 x 70 mm oak floor joists
Graduated splayed chamfer & stop

min distance cut out to rest over oak lintel
Note: All joints in plasterboard to be
skim taped prior to plastering

hydraulic lime strain to face of oak
board on approved insulation on min
35 x 25 timber sized batten fixed to wall
25mm void for services

floor boarding, end matched for secret
nailing, to approved sample

SECTION

Oak window lintel
Main beam sits on
top of oak lintel

main cross beam
sits over oak lintel

oak main
beam passes
over oak
window lintel
min 50mm
bearing
beam into main oak floor
member
oak lintel over
window opening

beam into main oak floor
member

Oak floor joists to be dovetail
joined into main oak floor
beams

New good quality
air dried oak beam
(braded to existing
main beam
section

AXONOMETRIC

MAIN BEAM with existing
floor joists dovetailed and
inset into main beam

25mm bearing

new oak main
beam sits over
bressener beam

Bressener beam over fire place

Lounge existing main beam to be carefully
dismantled, the top finished level to retain the
maximum amount of the existing historic beam to
and thereafter a min 5 year air dried oak beam to
be glued and bonded with counter-sunk S/S coach
screws to Structural Engineer's detail to finish
300mm depth by width of existing main beam.

Retain as much of the existing main beam
timber as possible. Some making good where
existing floor joists have been trenched
through the retained main beam may be
necessary. Re-fix existing replacement floor joists.
Existing 170mm depth oak joists vary in width
70/75mm.

Section
through
existing
bressener
beam

3/5

170 x 70 oak joists fixed to
perimeter oak beam with
epoxy fixed bolts - counter
sunk and bolted joist to be
recessed into main framing member
min 50mm bearing

lime scratch
coat and
finish on
existing wall

SECTION - JUNCTION OF FLOOR JOISTS

AND EXISTING BRICK CROSS WALLS

Project - Lower Honkley Farm
Client - Nigel Darlington Esq.
Detail - Detail of Repairs To Defective Main Beam
Drg No : 3326/20/03 A - Not to scale - Enlarge to A3
Based on information provided by others
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