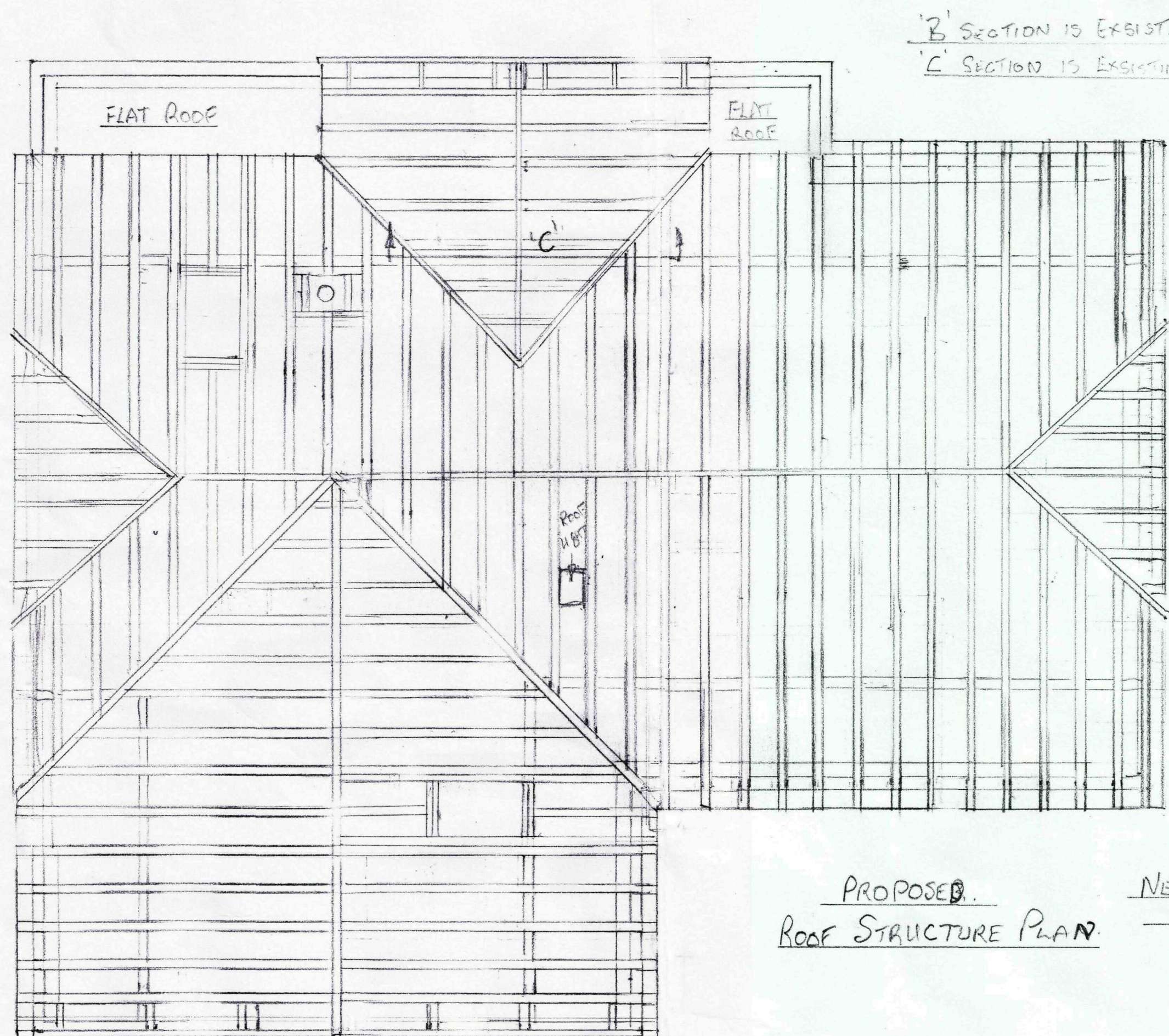


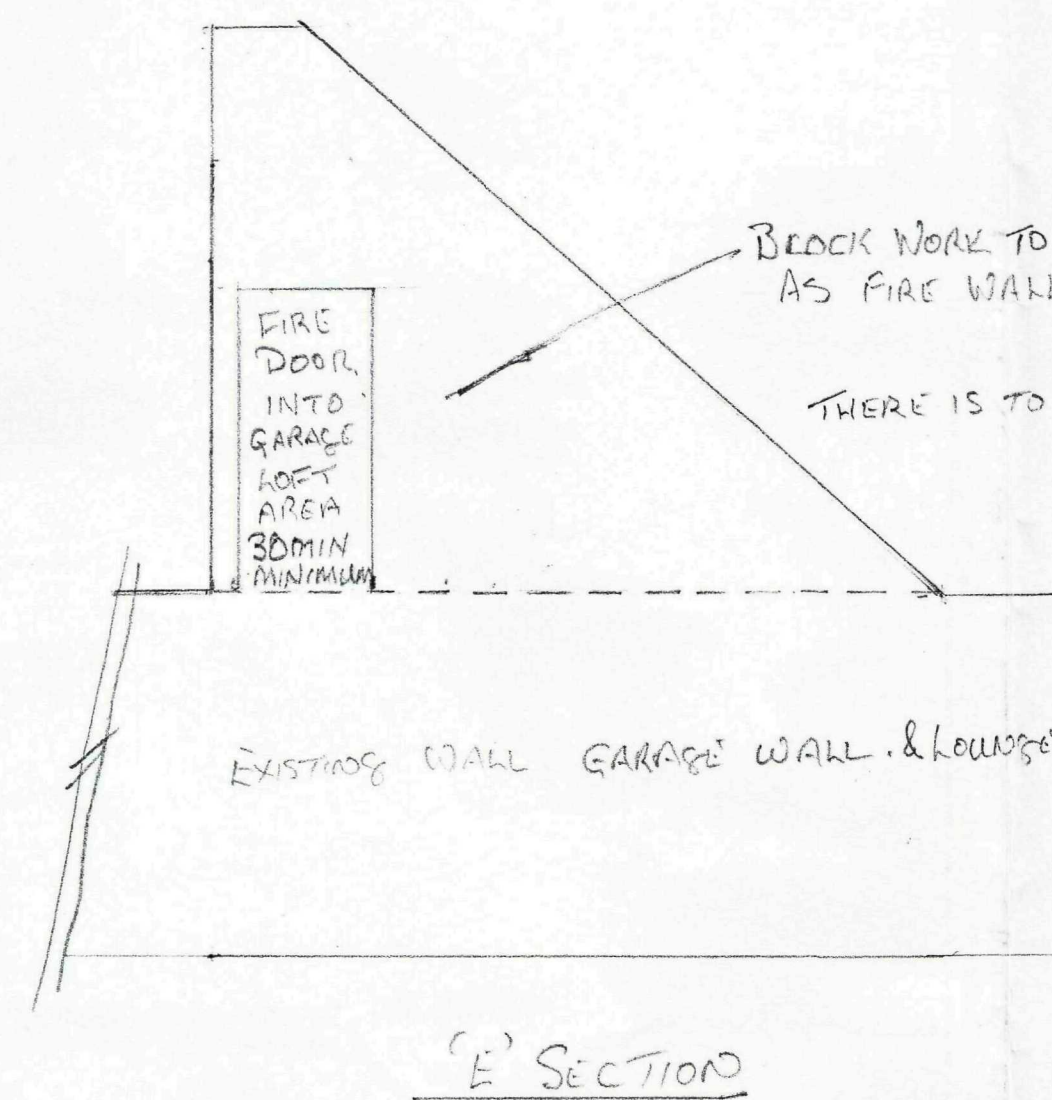
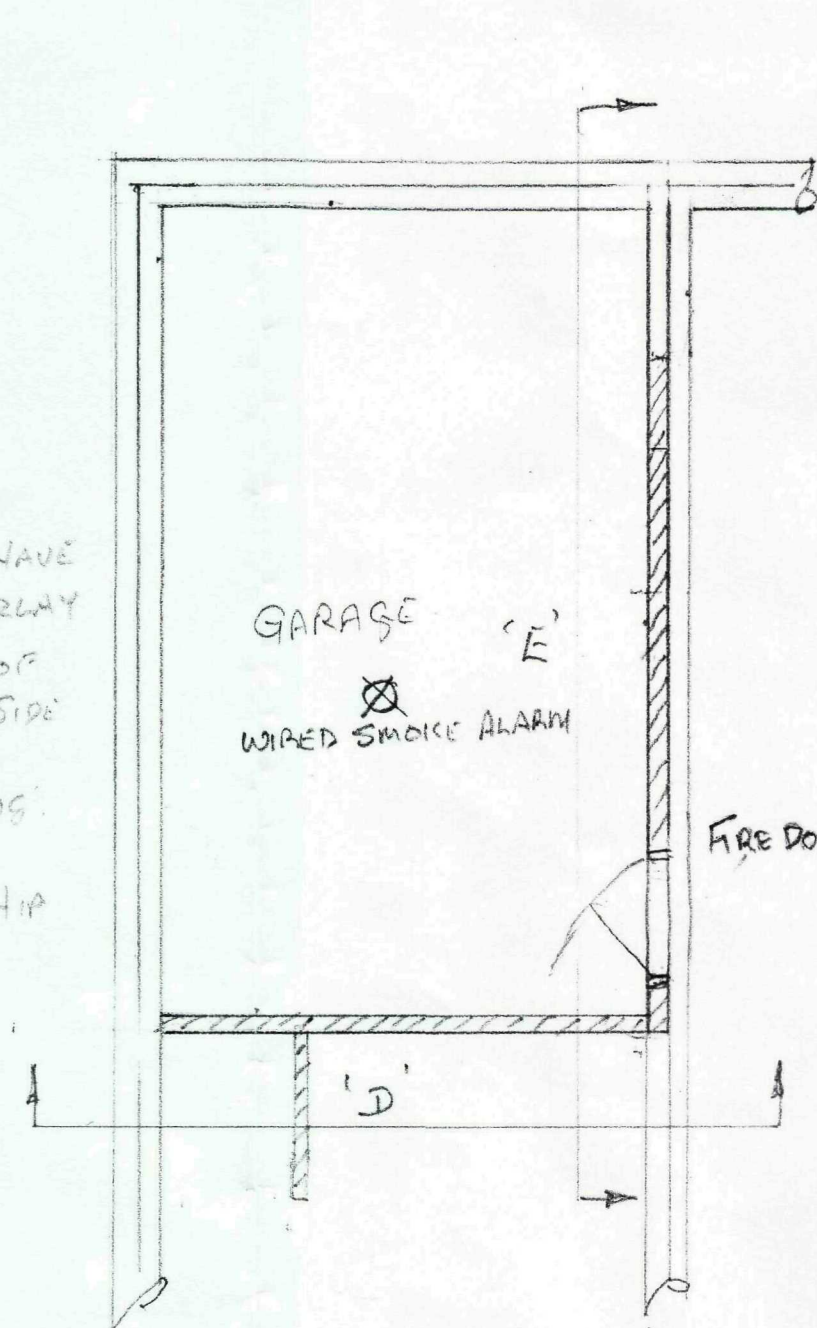


ALL VALLEYS MUST HAVE
LARGER ROOFING UNDERLAY
THEN 300mm WBP PLANK OF
FLOOR BOARDING EACH SIDE
WITH A GAP FIBREGLASS
LINING OR LEAD LINING
ON TOP.
ALL HIP MUST HAVE HIP
IRON FITTER

WHERE ROOF LIGHTS ARE TO BE FITTED
ALL TIMBERS ARE TO BE DOUBLED.

PROPOSED
ROOF STRUCTURE PLAN

PROPOSED
NEW ROOF ANGLE TO BE 42°
NOT 35°



THE ROOF ANGLE OF 35° IS NOW 42° THIS WILL
GIVE GREATER HEAD HEIGHT & STRONGER ROOF STRUCTURE
FOR THE COLLARS WILL BE LARGER & GIVE GREATER STRENGTH

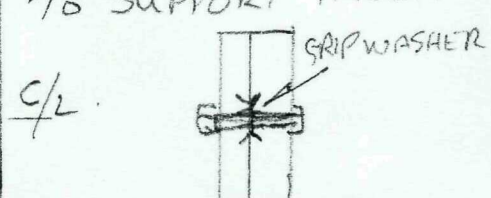
ALL INTERNAL WALLS ARE OF BRICK THEN CEMENT RENDERED
& PLASTERED. THEY ARE ALL LOAD BEARING WALLS.

D' SECTION THESE BEAMS CAN BE LAYED AT 400mm CENTRES
ALL THE WAY ACROSS ALONG SIDE EXISTING BEAMS
WITH 25mm PACKING AT EACH END & ON MIDDLE WALL

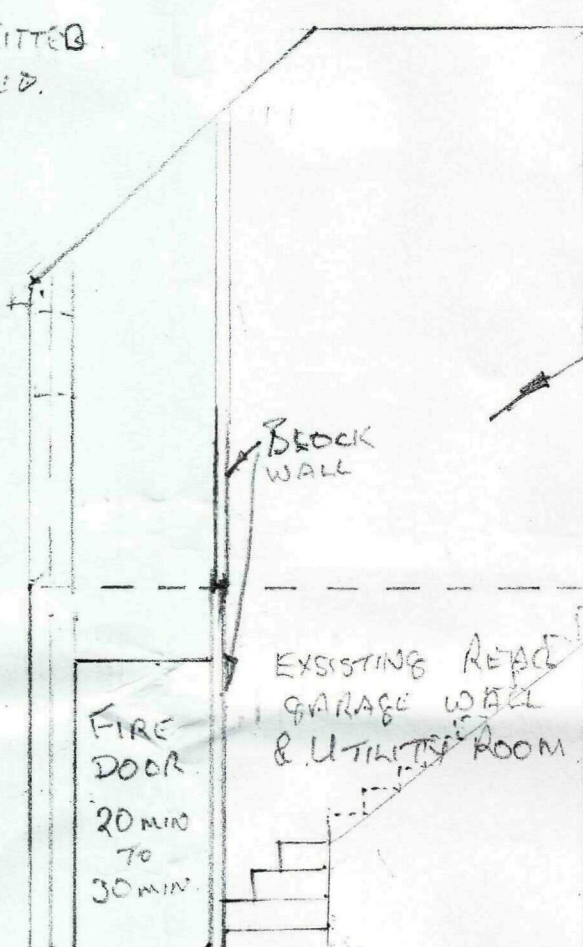
IF THIS BEAM IS C24. THEN IT SHOULD TAKE
A CLEAR SPAN OF 4.26m IF THE BEAM USED
IS 47mm x 225mm. THE 4 BEAMS OVER THE
HALL MUST BE C24

75mm x 225mm WITH A CLEAR SPAN OF 4.88m
THIS WILL STOP THE NEED FOR 2 FITCH BEAMS.
ALTHOUGH FITCH BEAMS WILL BE USED WHERE NEEDED
FULL LENGTH BEAMS

TWO BEAMS TO BE BOLTED TOGETHER
WITH 12mm BOLTS AT 450mm CENTRES
WITH STAR WASHER IN THE CENTRE OF BEAMS
TO SUPPORT INNER WALL & PERIM.



STEEL WALL PLATES
225 x 100 x 12mm
ON ALL ENDS OF FITCH BEAMS.



Block work to full
roof height as fire
wall

BEAMER PLATE 225 x 100 x 12mm

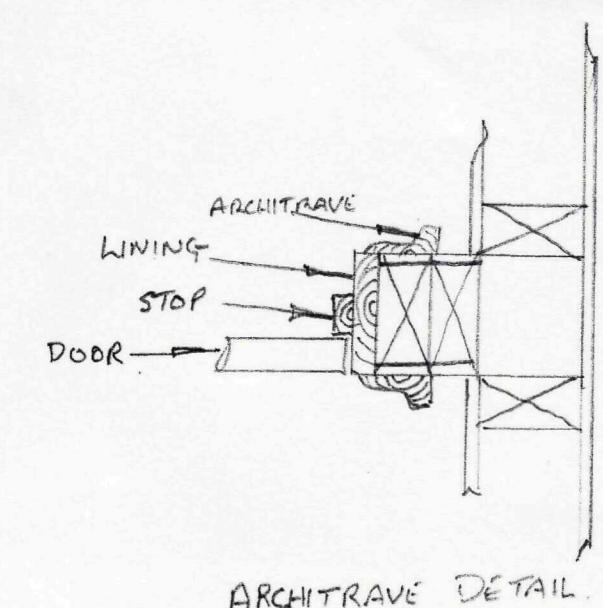
FITCH BEAM

JOIST PLATES (HANGERS)

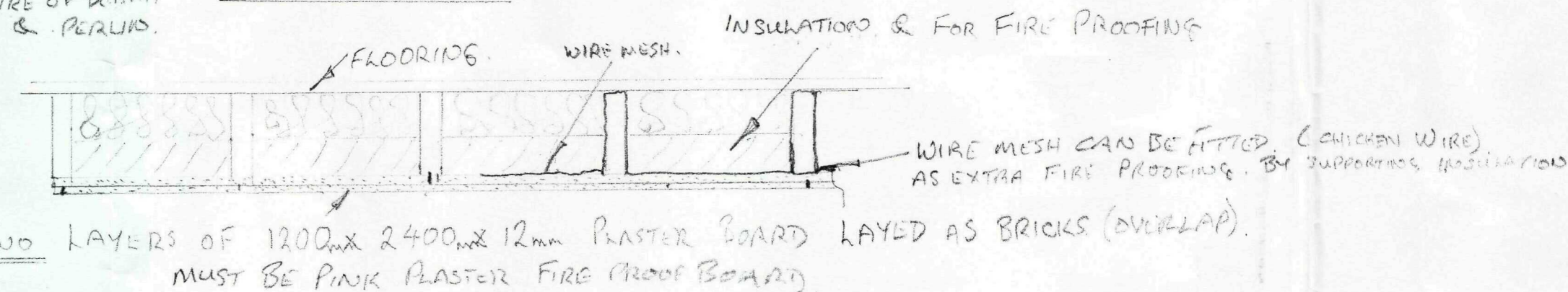
REINFORCED
CONCRETE LINTAL
ON ALL WALLS
THAT THE FITCH
BEAM GOES OVER.

BEAM SIZE 100mm x 100mm x 1200mm ON INTERNAL WALLS
WITH CONCRETE PADS ON EXTERNAL WALLS. THIS IS TO
SPREAD THE LOAD OR STEEL PLATES.

25mm GAP



PROPOSED
GARAGE ROOF



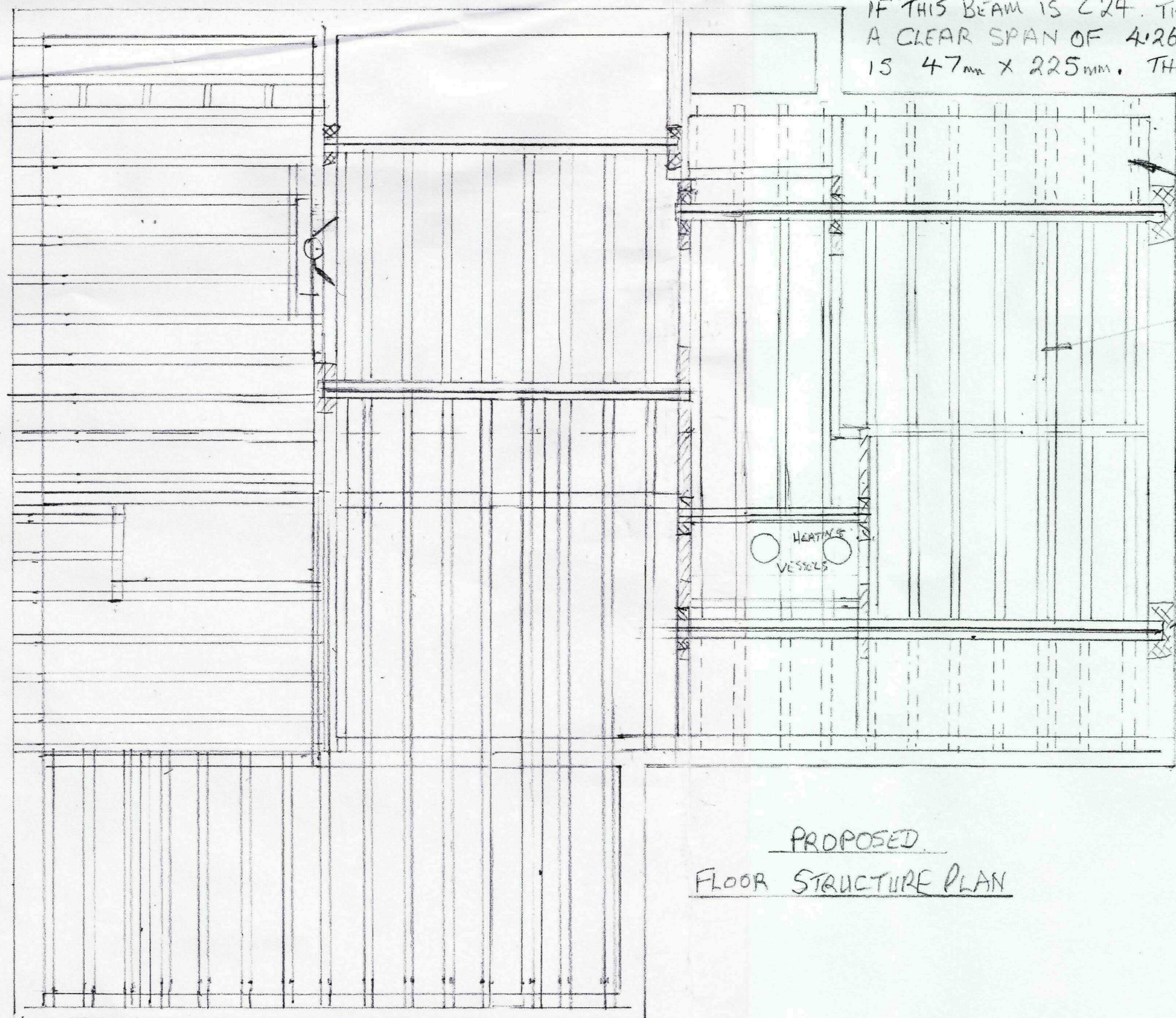
ROOF COVERING

ROOF COVERING IS TO BE PROTECT UP400 ROOFING UNDERLAY
WITH 40mm x 20mm ROOF BATTENING & MARLEY WUDHOU OR
LUDLOW MAJOR INTERLOCKING TILES

FLOORING

FLOORING IS TO BE GIVEN 22mm x 600 x 2400mm CHIP BOARD FLOORING GRADE

PROPOSED
FLOOR STRUCTURE PLAN



SHDC
Planning & Development
23 FEB 2010
Ref: 0143-10

FOR MR P. A. FIELD

BUNGALOW GARAGE & ROOF EXTENSION AT:-
HOLME, LUTON GARNSGATE, LONE SUTTON LINCOLNSHIRE RE19 9JP

ROOF & FLOOR CONVERSION DETAIL

DRAWN BY:- MR P. A. FIELD

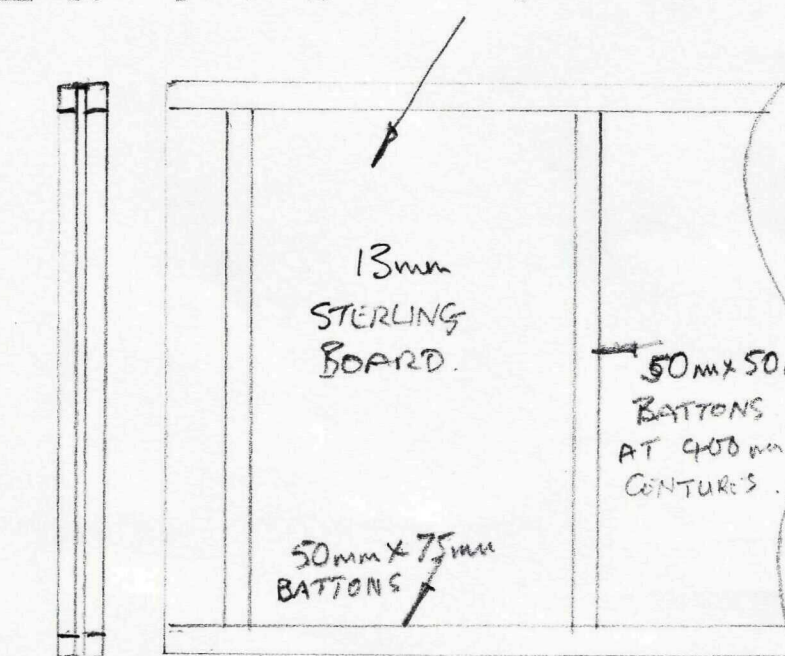
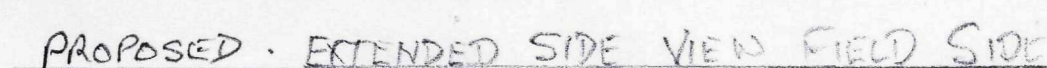
CHECKED BY:- P. FIELD

SCALE :- 20mm TO THE METER

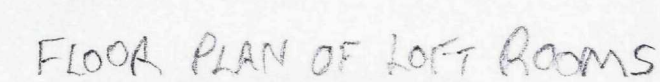
DATE :- 15-2-2010

DRAWING NO 4 OF 4

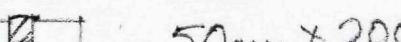
Ref: FIELDSTATION 4



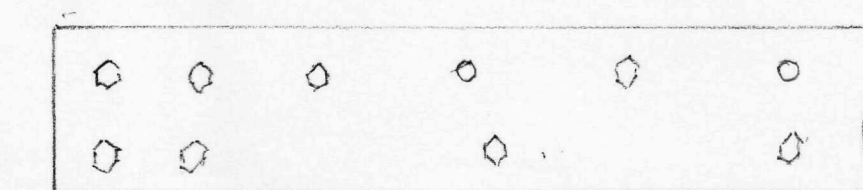
BY PUTTING END WALL IN THIS WILL STRENGTHEN THE ROOF BY INSERTING THE PERLINS INTO IT SO THEY ARE NOT AS IF CALL IT FLOATING. THE MIDDLE WALL WILL ALSO SUPPORT THE PERLINS AS WILL THE WALL ON THE GARAGE WALL AND THEN THE END WALL AGAIN.



'A' SECTION VIEW



50mm x 200mm C24 BEAMS
WITH 10mm x 150mm STEEL PLATE
BOLTED EVERY 450mm
12mm x 130mm CORROSION BOLTS WITH WASHERS
& LOCKING NUTS



BOLTING ON FLITCH BEAM

STEEL WORK
ALL TO BE GRADE 48 TO BS 4 PART 1 & TO BS 4848 PART 2 & 4 PAINTED
WITH 2 COATS OF GRAY OXIDE PRIMER. AFTER REMOVING SURFACE
RUST.

SHDC
Planning & Development
23 FEB 2010
Ref: 0143-10

FOR MR P A. FIELD
BUNGALOW GARAGE & ROOF EXTENSION AT:-
HOME, GARNSGATE, LONG STUTON, SOUTH LINCOLNSHIRE PE20 9PA

SIDE VIEW & LOFT CONVERSIONS DETAIL.

DRAWN BY :- MR P FIELD

CHECKED BY: ——— P FIELD.

SCALE :- 20mm TO THE METER

DATE 1-15-2-2010

DRAWINGS N° 3 OF 4

Ref: FIELD EXTENSION 3