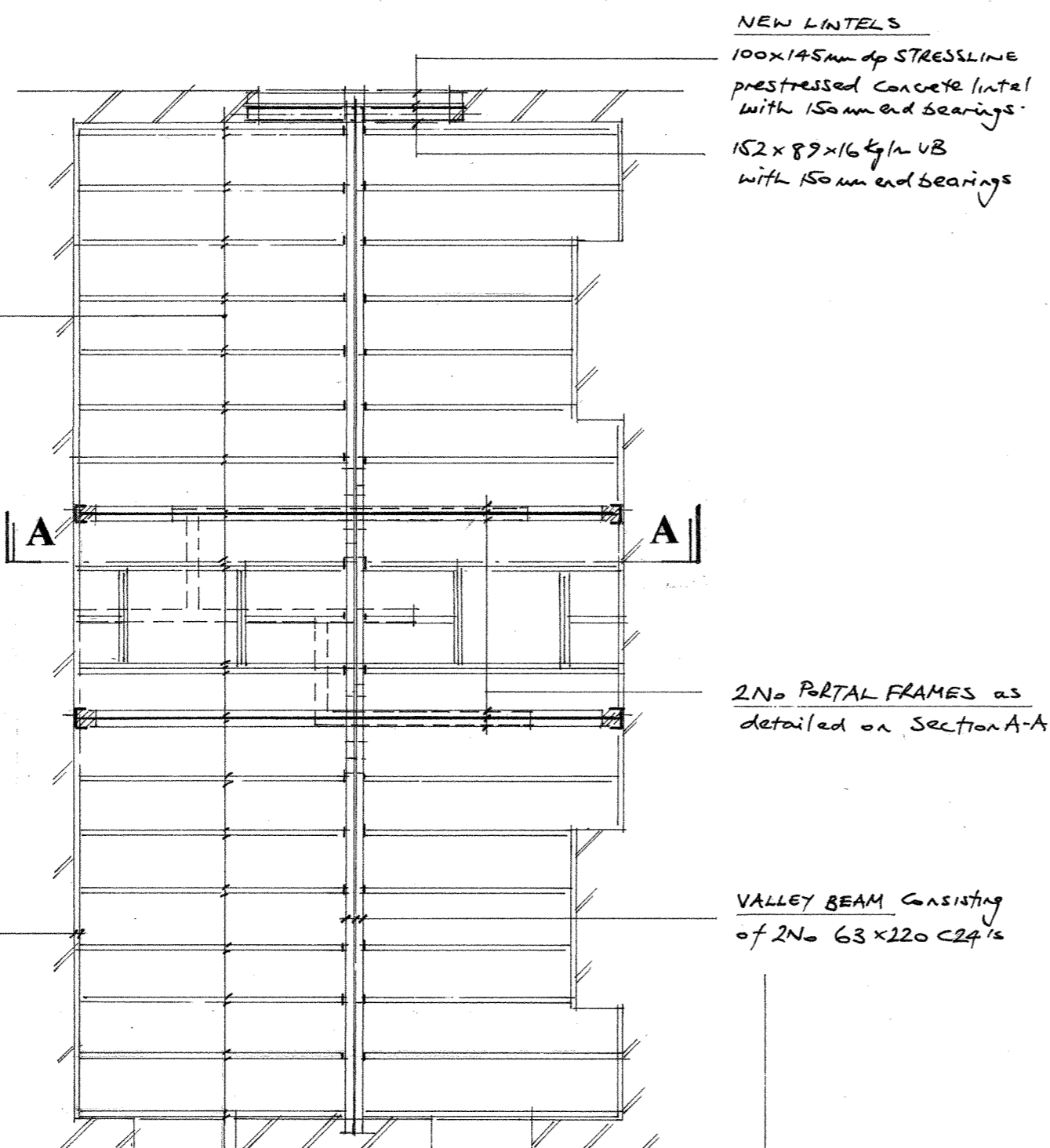


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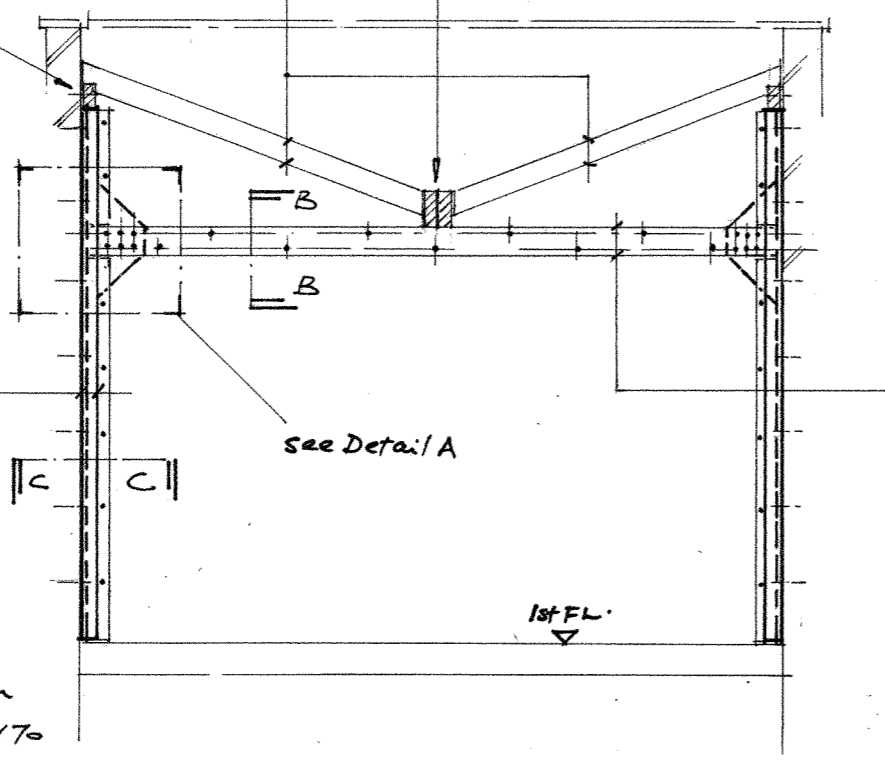
PLAN ON ROOF STRUCTURE (1:50)

RAFTERS
47x145 C16's @ 450cts
doubled up either side
of Velux Windows



WALLPLATE consisting
of 47x145 C16 bolted to wall
with M12x125mm long bolts @
450mm cts. Bolts set in HILTI
'HIT' HY70 Resin.

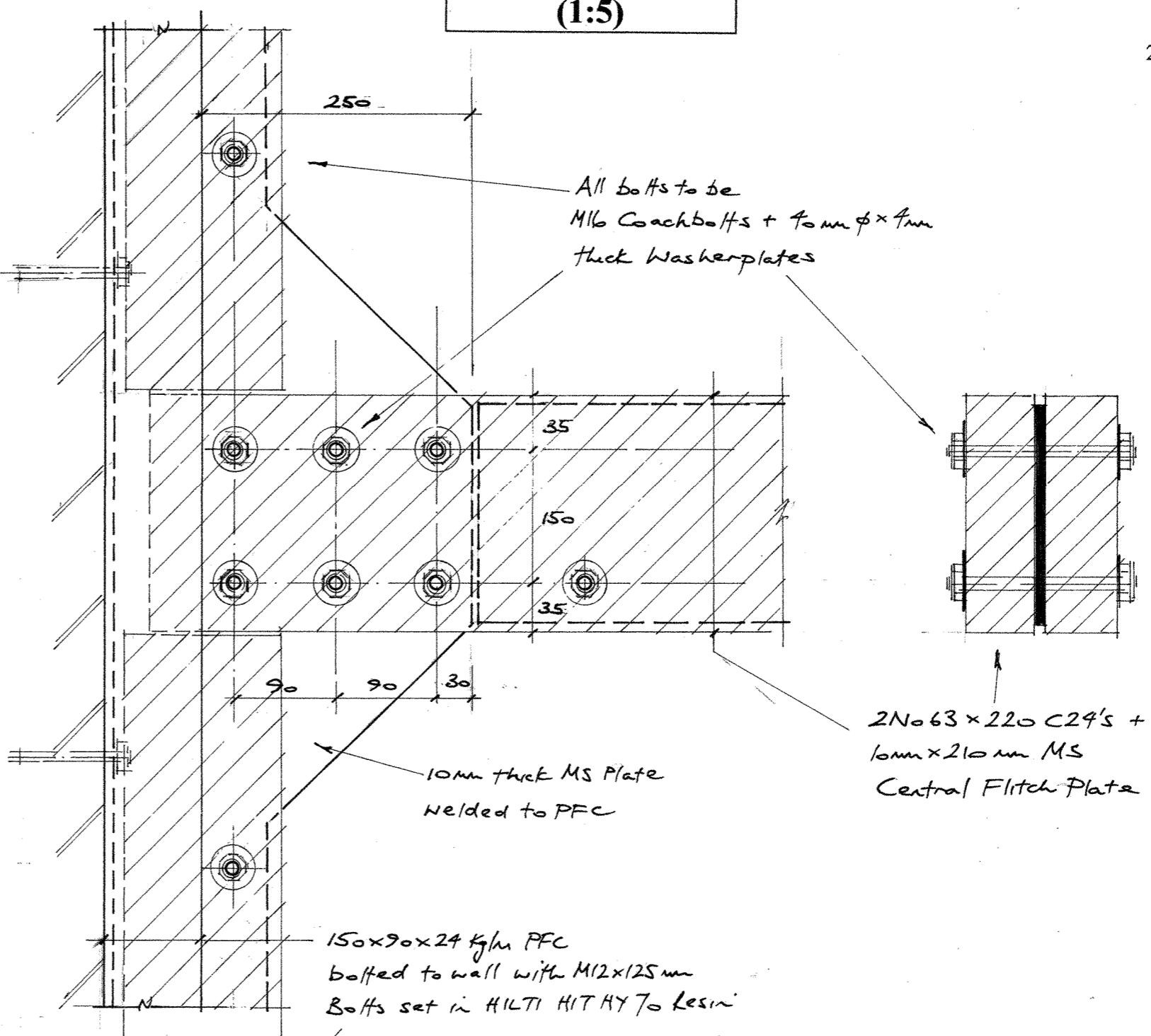
PORTAL COLUMNS 4 No
each consisting of
150x90x24 kg/m PFC's +
2 No 63x150 C24 timbers +
10mm x 150mm MS central
Flitch plate (welded to PFC)
Note:
Chamel bolted to wall with
M12x125mm long bolts @ 450mm
cts. Bolts set in HILTI 'HIT' HY70
Resin.



SECTION A - A (1:50)

PORTAL BEAMS 2 No each consisting
of 2 No 63x220 C24 Timbers +
10mm x 210mm MS Central Flitch
Plate + M16 Coachbolts @ 450mm
staggered cts.

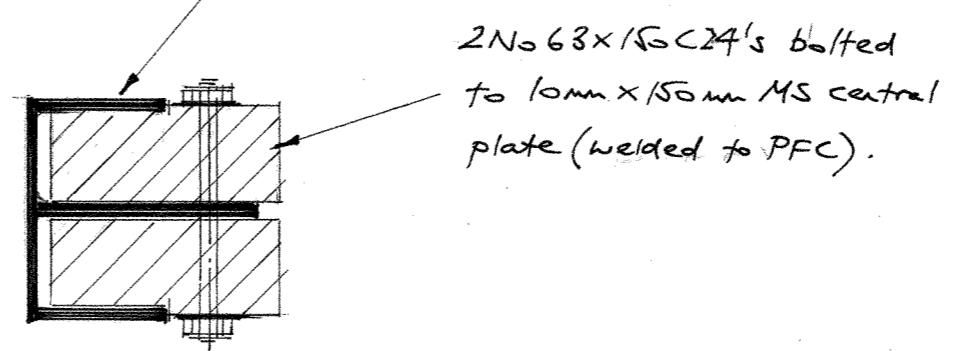
DETAIL A (1:5)



- NOTES:-**
- 1.0 All dimensions must be checked on site and not scaled from this drawing
 - 2.0 This drawing is to be read in conjunction with all current relevant Architects Drawings.

SECTION B - B (1:5)

2 No 63x220 C24's +
10mm x 210mm MS
Central Flitch Plate



SECTION C - C (1:5)

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Client: PEGGY MATTOCK

Job: PROPOSED INTERNAL ALTERATIONS TO
No. 25, FRASER ROAD, WINDMILL HILL,
BRISTOL

Drawing Title: STRUCTURAL DETAILS

Drawing No.: 82249/01

April 2008