



east

north

west

1 : 100

[R1] 100 x 50mm C.16 rafters @ 400mm c/c.

[FR1] 125 x 50mm C.16 flat roof joists @ 400mm c/c.
[FR2] 175 x 50mm C.16 flat roof joists @ 400mm c/c.

[CJ1] 125 x 50mm C.16 ceiling joists @ 400mm c/c.
[CJ2] 2No 150 x 50mm C.16 timbers spiked together supporting parallel studwork and [CJ1] with galv. jiffy joist hangers.

[L1] Min. 2No 100 x 50mm C.16 timbers spiked together bearing on 3No 100 x 50mm studs spiked together.

[F1] 150 x 50mm C.16 floor joists @ 400mm c/c.

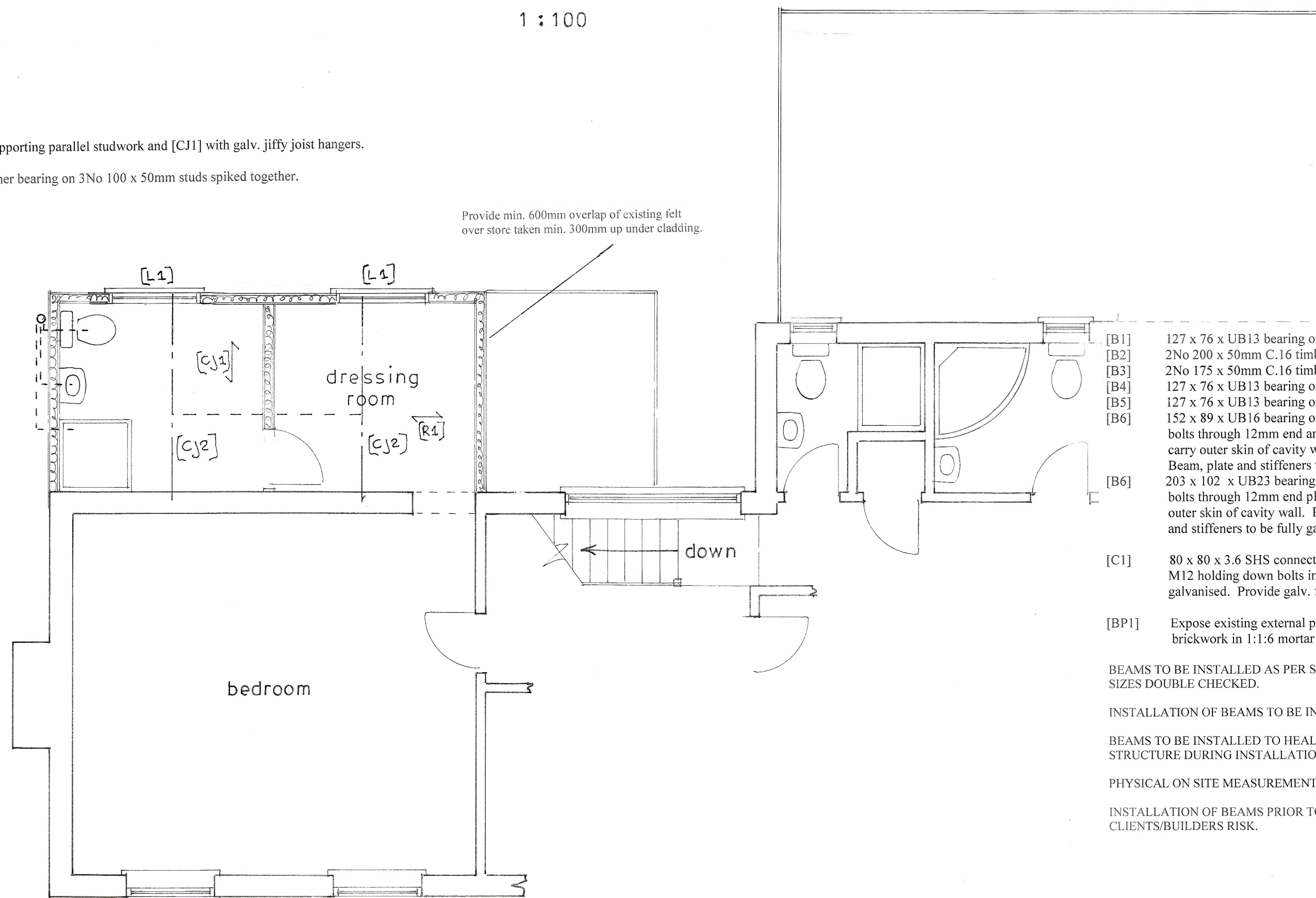
Provide min. 600mm overlap of existing felt over store taken min. 300mm up under cladding.

1st floor plan

1 : 50

Proposed

PROPOSED 1ST FLOOR AND SINGLE STOREY EXTENSIONS AT 16, BARRACK LANE, ALDWICK
FOR MR. & MRS. T. KEET.



[B1] 127 x 76 x UB13 bearing on eng. brick padstones.
[B2] 2No 200 x 50mm C.16 timbers spiked together.
[B3] 2No 175 x 50mm C.16 timbers spiked together. [3No beams can be installed in one length].
[B4] 127 x 76 x UB13 bearing on eng. brick padstones.
[B5] 127 x 76 x UB13 bearing on eng. brick padstones.
[B6] 152 x 89 x UB16 bearing on 225 x 100 x 100mm deep concrete padstone and connected to [B6] with 4No M12 bolts through 12mm end angle cleats welded to beams. Provide 10mm plate stitch welded to underside of beam to carry outer skin of cavity wall. Provide 10mm triangular stiffeners @ 600mm c/c. between beam and plate. Beam, plate and stiffeners to be fully galvanised. Provide cavity tray with vertical weep holes as necessary.
[B6] 203 x 102 x UB23 bearing on 225 x 100 x 100mm deep concrete padstone and connected to [C1] with 4No M12 bolts through 12mm end plate welded to column. Provide 10mm plate stitch welded to underside of beam to carry outer skin of cavity wall. Provide 10mm triangular stiffeners @ 600mm c/c. between beam and plate. Beam, plate and stiffeners to be fully galvanised. Provide cavity tray with vertical weep holes as necessary.

[C1] 80 x 80 x 3.6 SHS connected to [B5] & [B6] as above. Provide 250 x 250 x 12mm thick base plate fixed with 4No M12 holding down bolts into 600 x 600 x min. 300mm thick mass concrete foundation. Column to be fully galvanised. Provide galv. frame ties @ 225mm c/c.

[BP1] Expose existing external piers to assess capability of accepting additional loading. Replace with 30MN/m2 brickwork in 1:1:6 mortar as necessary.

BEAMS TO BE INSTALLED AS PER SEPARATE STRUCTURAL CALCULATION SHEETS WITH ALL DETAILS AND BEAM SIZES DOUBLE CHECKED.

INSTALLATION OF BEAMS TO BE INSPECTED BY BUILDING CONTROL OFFICER.

BEAMS TO BE INSTALLED TO HEALTH AND SAFETY STANDARDS WITH ADEQUATE SUPPORT PROVIDED TO EXISTING STRUCTURE DURING INSTALLATION.

PHYSICAL ON SITE MEASUREMENTS TO BE TAKEN PRIOR TO ORDERING OR FABRICATION OF BEAMS.

INSTALLATION OF BEAMS PRIOR TO FULL LOCAL AUTHORITY APPROVAL [NOT CONDITIONAL] CARRIED OUT AT CLIENTS/BUILDERS RISK.

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