

BRN  
39B

### TRENCH FOUNDATION

50mm residual cavity  
DPC 150mm above ground level  
Facing brick to match existing  
Lightweight block inner skin  
Lean mix cavity fill 225mm below DPC  
750mm x 600mm concrete trench foundation  
Concrete mix to conform to BS EN 206-1 and BS 8500-2  
Depth to be 1000mm deep depending on ground conditions to be agreed with BCO

see floor section for details

150

150mm sand blinded hardcore

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### SOLID GROUND FLOOR

DPC 150mm above ground level lapped to DPM  
65mm thick concrete sand cement screed  
A VCL should be laid over and under the insulation

75mm Celotex GA4000 insulation  
100mm thick concrete slab  
1200g damp proof membrane  
150mm sand blinded hardcore

A continuous 5mm wide opening or the equivalent area is required to the length of the ridge

Roofing tiles to match existing

Sarking felt to BS747

47 x 150mm grade C24 rafters at max 400mm centres

Cross ventilation to be provided by a proprietary eaves ventilation strip equivalent to a 25mm continuous gap at eaves level with insect grill

### ROOF DETAIL

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47 x 150mm grade C24 rafters at max 400mm centres

150mm FR4000 Celotex between ceiling joists and 25mm over

Polythene vapour barrier between insulation and plasterboard

Finish with 12.5mm plasterboard and min 3mm plaster

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### PROPOSED FOUNDATION DETAIL 1:10

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### PROPOSED FLOOR SECTION 1:10

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### PROPOSED ROOF SECTION 1:10

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### RENDERED PARTIAL FILL CAVITY WALL

20mm two coat sand/cement render with waterproof additive  
100mm medium dense block K value 0.51  
Stainless steel retaining wall ties built in at 750mm ctrs horizontally, 450mm vertically and 225mm ctrs at reveals and corners in staggered rows  
Walls to be built with 1:1:6 cement mortar

100mm medium dense block K value 0.51  
Internal finish to be 12.5mm plasterboard on dabs  
50mm clear residual cavity, 60mm Celotex CG4000 insulation fixed to innerleaf  
Horizontal strip polymer (hyload) damp proof course to both leafs minimum 150mm above external ground level

### RIDGE TO MATCH EX.

### WALL PLATE TO MATCH EX.

### GRD. FLOOR FFL.

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### PROPOSED EAVES DETAIL 1:20

Cross ventilation to be provided by a proprietary eaves ventilation strip equivalent to a 25mm continuous gap at eaves level with insect grill and 50mm air gap between felt and insulation

Rafter to be connected to ceiling joist and wall plate

Rafters birdmouthed over 100 x 50mm wall plate, wall plate fixed to blockwork at max 1.8m centres with 1000 x 30 x 5mm galvanised strap

Polythene vapour barrier between insulation and plasterboard

Finished internally with 12.5mm plasterboard and min 3mm plaster skim

### DETAIL 'F'

#### WINDOW HEAD AND LINTEL

103mm facing brick  
Polyurethane foam insulation  
Weep holes (min 2 per lintel at 450mm centres)  
Ensure masonry overhang does not exceed 25mm  
Joint filled with polyethylene foam and sealant pointing  
Lintel drip to project forward of the frame

100mm blockwork  
PIR insulation fixed to internal leaf  
Cavity tray with stop ends  
Lintel to have a nominal 150mm bearing at each end  
Ensure lintel is fully bedded on bricklaying mortar

Window head - overlapping insulation at least 25mm to prevent thermal bridge

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### PROPOSED DETAIL 'F' 1:10

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### PROPOSED WALL SECTION THRU' 1:10

NOTE:  
DRAWING: TOLLIDAY 01A TO BE USED IN CONJUNCTION WITH ASSOCIATED BUILDING REGULATIONS NOTES TOLLIDAY/BRN.  
DIRECTIONAL NORTH ARROW SHOWN ON BLOCK & LOCATION PLANS TOLLIDAY/BLP.

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BRN 1 DENOTES ATTACHED BUILDING REGULATION NOTES  
1 DENOTES ITEM No.

|                                                                                          |                                    |
|------------------------------------------------------------------------------------------|------------------------------------|
| MODIFICATIONS                                                                            | ISSUE:                             |
| ADDED WALL IN ELEVATION                                                                  | 16.02.15 - B                       |
| TITLE<br>PROPOSED SINGLE STOREY FRONT EXTENSION                                          |                                    |
| CUSTOMER<br>MR & MRS TOLLIDAY<br>18 CHARLESWORTH DRIVE, WATERLOOVILLE,<br>HANTS, PO7 6AS |                                    |
| DRAWN BY:                                                                                | DRAWING NO:<br>TOLLIDAY 01A 2 OF 2 |
| SCALE:                                                                                   | VARIES:                            |
| DATE:                                                                                    | 27.10.2013                         |
| REVISION:                                                                                | B A0                               |



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### PROPOSED SECTION A-A 1:20

