

Job number: 11332

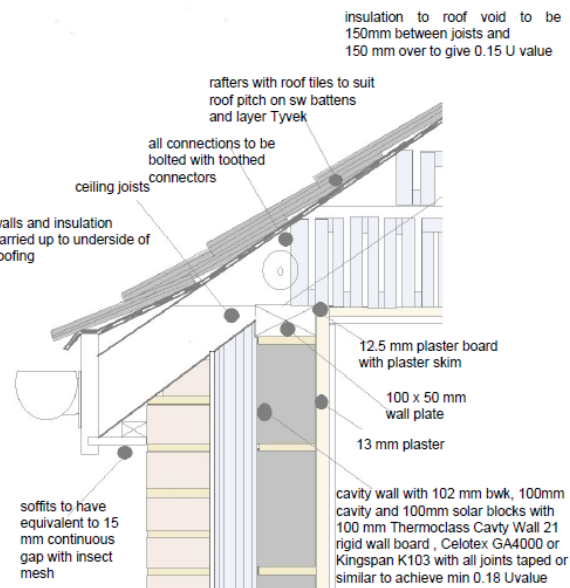
BEAM DETAILS

ITEMS:

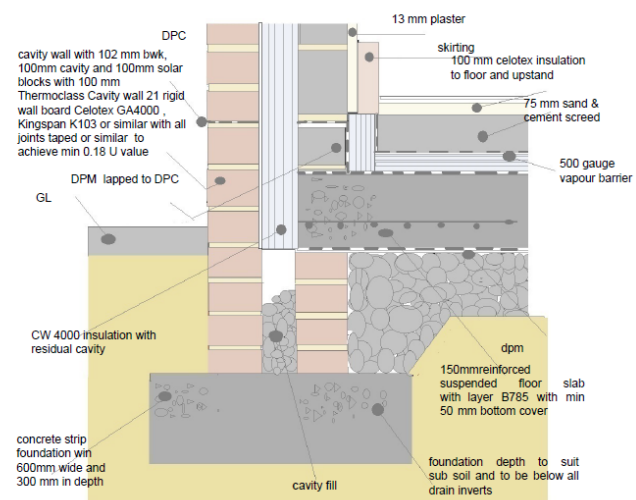
- 1: Beam: RAFTERS TO MAIN ROOF
Span: 3.2 m.
Reactions (unfactored/factored): R1: 1.41/1.41 kN; R2: 1.41/1.41 kN
Use 50 x 150 C24
- 2: Beam: CEILING JOISTS TO MAIN ROOF
Span: 3.2 m.
Reactions (unfactored/factored): R1: 0.93/0.93 kN; R2: 0.93/0.93 kN
Use 50 x 150 C16
- 3: Beam: CEILING BEAM
Span: 3.2 m.
Reactions (unfactored/factored): R1: 6.00/6.00 kN; R2: 6.00/6.00 kN
Use 2no 50 x 225 C24
- 4: Beam: RAFTERS TO FRONT ROOF PROJECTION
Span: 2.2 m.
Reactions (unfactored/factored): R1: 0.97/0.97 kN; R2: 0.97/0.97 kN
Use 50 x 125 C16
- 5: Beam: FLOOR JOISTS
Span: 3.2 m.
Reactions (unfactored/factored): R1: 1.44/1.44 kN; R2: 1.44/1.44 kN
Use 50 x 175 C16
STRUTTING MID SPAN
- 6: Beam: RAFTERS TO REAR MONO PITCH ROOF
Span: 2.2 m.
Reactions (unfactored/factored): R1: 0.97/0.97 kN; R2: 0.97/0.97 kN
Use 50 x 150 C16
RAFTERS DOUBLED TO EACH SIDE OF ROOF WINDOWS
- 7: Beam: CEILING JOISTS TO UTILITY
Span: 1.8 m.
Reactions (unfactored/factored): R1: 0.52/0.52 kN; R2: 0.52/0.52 kN
Use 50 x 125 C16
STRUTTING TO BE PROVIDED MID SPAN
- 8: Beam: BEAM OVER FAMILY AREA
Span: 3.0 m.
Reactions (unfactored/factored): R1: 18.56/18.56 kN; R2: 18.56/18.56 kN
Use 2No 203 x 102 x 23 UB S355
Bearing R1: 225 x 200 x 50h mm padstone
Bearing R2: Not specified
- 9: Beam: BEAM OVER KITCHEN
Span: 4.6 m.
Reactions (unfactored/factored): R1: 42.25/42.25 kN; R2: 28.54/28.54 kN
Use 203 x 203 x 46 UC S355
Bearing R1: 225 x 375 x 100h mm padstone
Bearing R2: 250 x 250 x 125h mm padstone
WITH WELDED 10 MM TOP PLATE AS REQUIRED TO SUIT WALL THICKNESS OVER
- 10: Beam: BEAM BELOW REAR WALL OVER UTILITY ROOM
Span: 3.2 m.
Reactions (unfactored/factored): R1: 16.75/16.75 kN; R2: 16.75/16.75 kN
Use 178 x 102 x 19 UB S355
Bearing R1: 350 x 100 x 175h mm padstone
Bearing R2: As R1
- 11: Beam: TIMBERS TO PORCH ROOF
Span: 2.0 m.
Reactions (unfactored/factored): R1: 0.88/0.88 kN; R2: 0.88/0.88 kN
Use 50 x 125 Oak TH1
- 12: Beam: ROOF BEAM
Span: 1.5 m.
Reactions (unfactored/factored): R1: 1.17/1.17 kN; R2: 1.17/1.17 kN
Use 2no 50 x 125 Oak TH1
- 13: Beam: SIDE ROOF BEAM
Span: 1.5 m.
Reactions (unfactored/factored): R1: 2.47/2.47 kN; R2: 2.07/2.07 kN
Use 2no 50 x 125 Oak TH1
- 14: Beam: BEAM BELOW GABLE
Span: 2.7 m.
Reactions (unfactored/factored): R1: 1.15/1.15 kN; R2: 1.15/1.15 kN
Use 2no 50 x 125 Oak TH1
- 15: Timber post/stud: POSTS TO PORCH
Use 100 x 100 Oak TH1
POSTS TO BE 200 X 200

SECTION 1 : 50

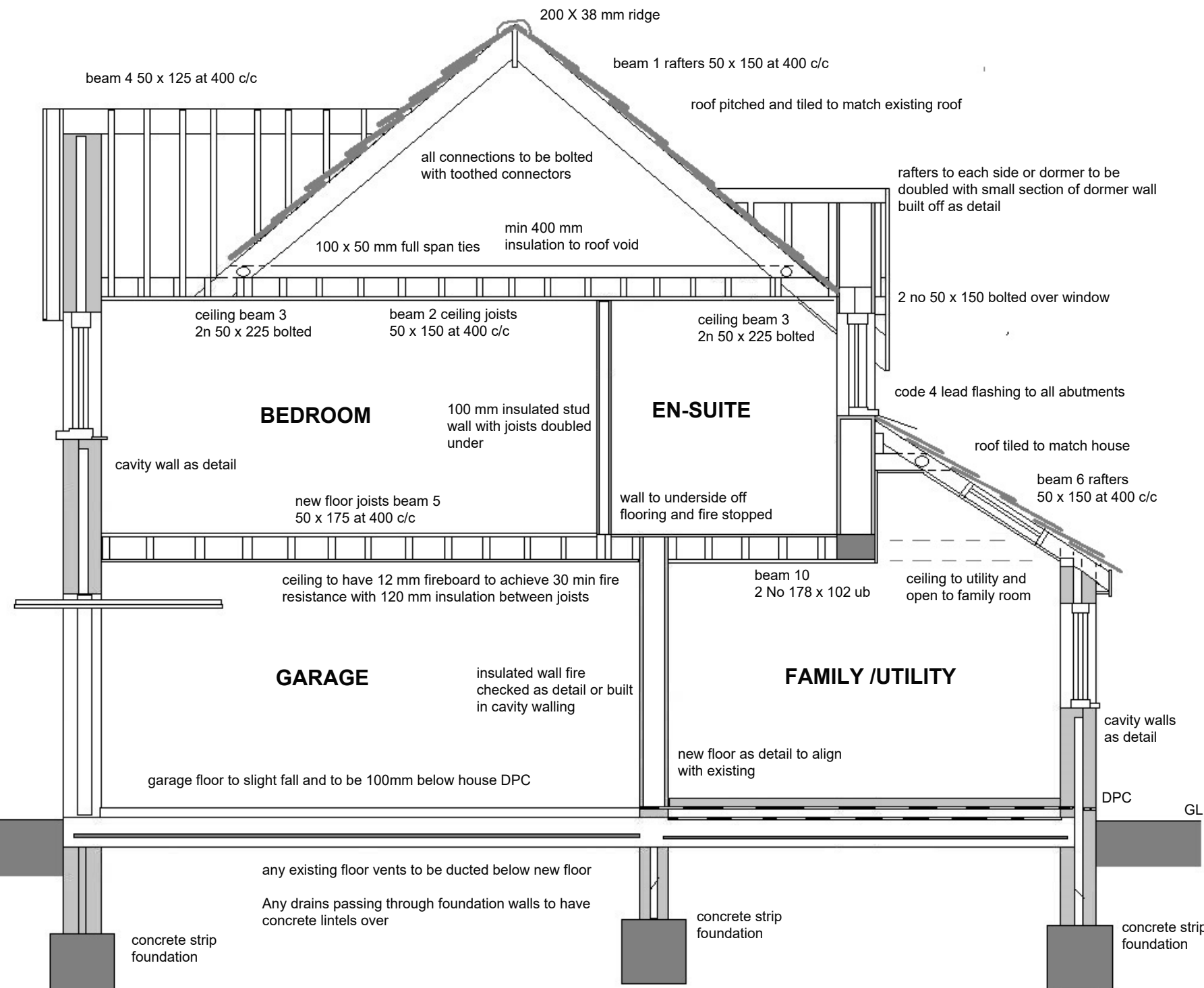
- Should Any Conflict Between Details And Measurements On This Drawing Or On Other Drawings, Then Surrey Building Services Should Be Informed Prior To Construction On Site
- Until Full Approval Of Both Planning And Building Regulations (And Any Other Approval Applicable) Has Been Granted From The Relevant Authorities, It Should Be Understood That All Drawings Are Preliminary And Are Not For Construction. Should Work Commence Prior To Such Approvals Being Granted It Is Entirely At His Or Her Own Risk
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EAVES DETAIL



FOUNDATION DETAIL



SBS

Surrey Building Services
Architectural & Building Consultants

James Templeman : 07793433353 Email : surreybuildingservices@gmail.com

Client No.	No.	Revision
11332	08	BR

Client Name : Matt Dymant

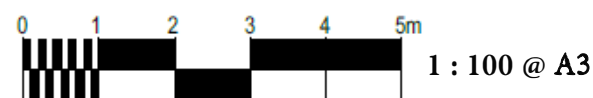
Address
Oak Manor, Heath Ride
Finchampstead
Berks
RG40 3QE

Proposal

Proposed Two Storey Side and Single Storey Rear Extension & Front Porch

Scale 1:100 1:50

Paper Size A3



1 : 100 @ A3



1 : 50 @ A3