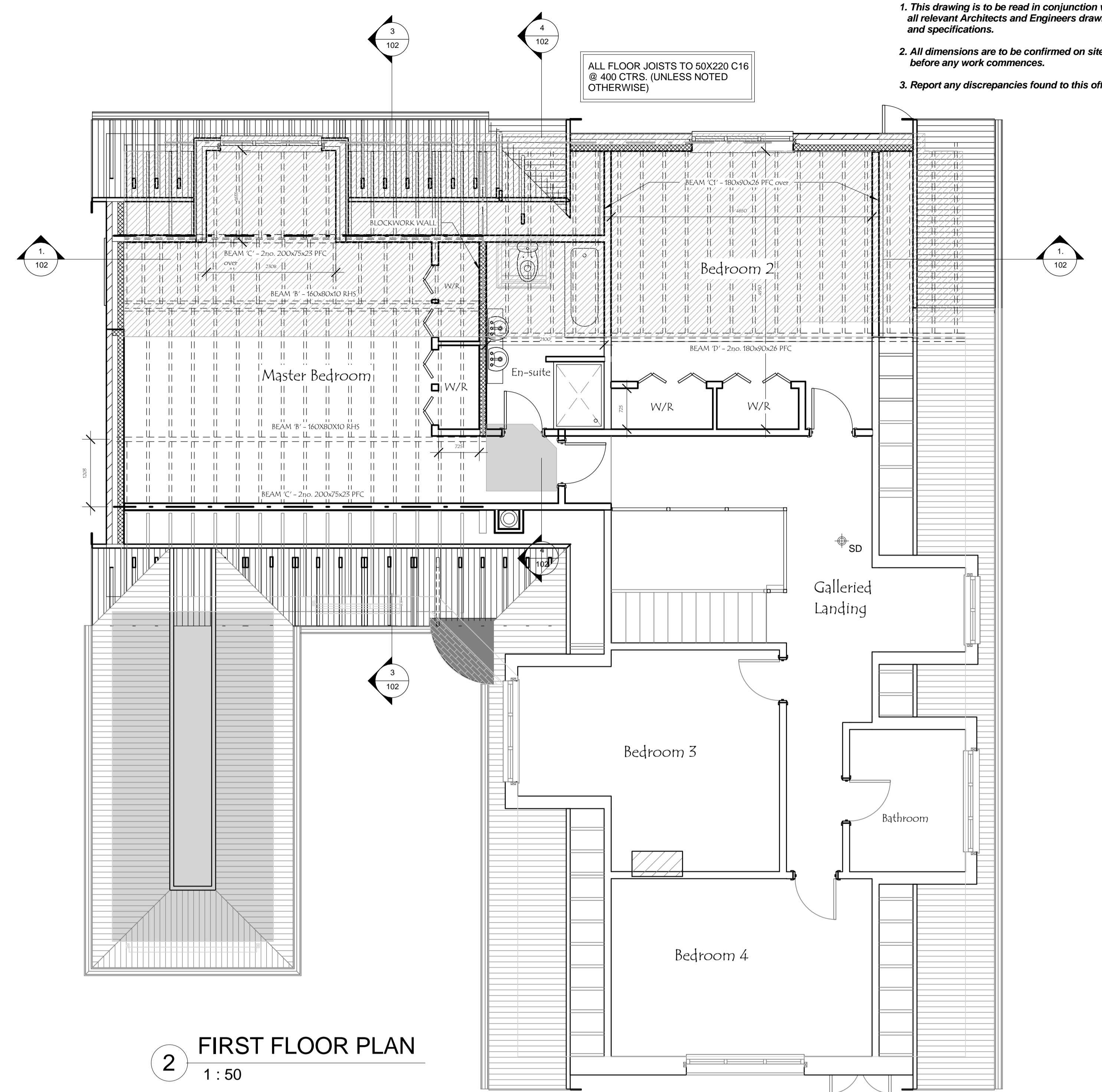
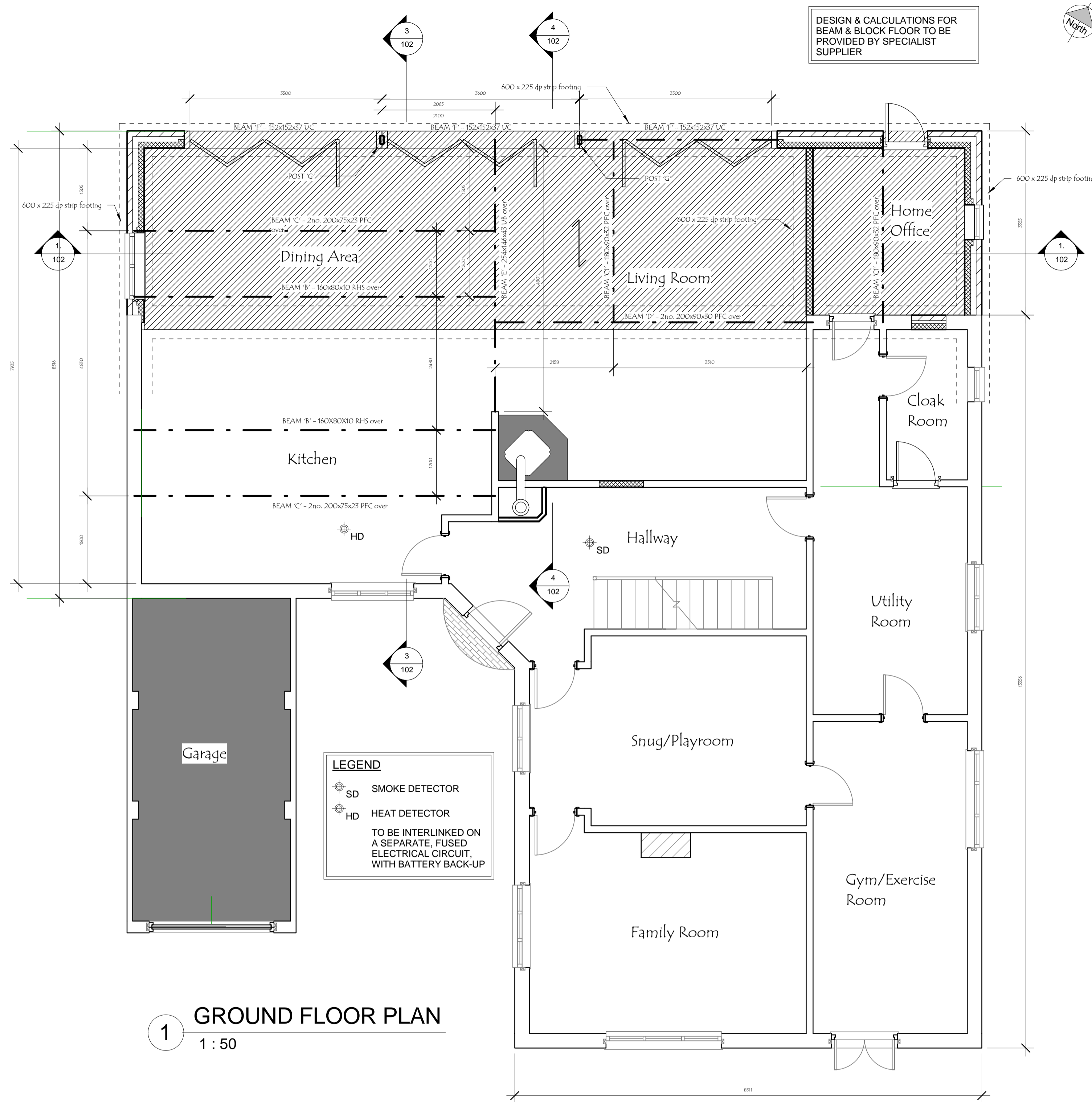


**NOTES**

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**Plumbing**

- All waste pipes to connect separately to existing svp.
- Waste pipes:  
 bath & shower - 40mmØ  
 sink - 40mmØ  
 wash basins - 32mmØ  
 all with 75mm D.S. Traps.
- Mechanical ventilation capable of extracting 15L/sec. to be installed in all bathrooms, operated via light switch with a 15min. overrun.
- Mechanical ventilation to kitchen - incorporated in kitchen extractor hood, vented to outside, giving 30L/sec. extraction.
- Mechanical ventilation to be installed in utility room, capable of extracting 30L/sec., operated via light switch with a 15min. overrun.

**Drainage**

- New foul & surface water drains to be 110mmØ upvc flexibly jointed pipes, laid on & surrounded in 150mm granular fill, laid to fall minimum 1 in 60
- Surface water to drain to new soakaway sited minimum 5.0m away from building.
- New foul drains to connect to existing foul drainage via new 'osma' prefabricated manhole-installed to manufacturers specification.
- Precast concrete lintels to be provided in walls where drains pass through.

**Fire Safety**

- Smoke detection system, on separately fused, mains operated interlink, to be installed as specified on plan. Battery operated back-up to be fitted to detectors.

**Part P - Electrical safety**

- All electrical work required to meet the stipulations of part P must be designed, installed, inspected and certificate forwarded to the local authority, prior to occupation.

**Timbers**

- All structural timbers to be grade C16 or better and be treated with 'protim' or similar.

**Door & Windows**

- Double glazed window to match existing, with one 'trickle vent' in one casement in each room. background ventilation to be min. 8000mm²
- Double glazing to have 16mm air gap & low-E coated glass & a thermal U-value of 1.8W/m²K.
- Safety glazing to be installed in critical locations:  
 a) within 1500mm of floor level in doors.  
 b) within 1500mm of floor in window within 300mm to the side of a door.  
 c) within 800mm of floor level in other windows.
- First floor habitable rooms to have escape windows, which achieve a clear opening of at least 0.33m² with a min. width of 450mm and a min. height of 450mm. The bottom of the openable window should be between 800mm & 1100mm above FFL.

**Wood Burning Stove**

- A durable notice containing information on the performance capabilities of the hearth, flue or chimney shall be affixed in a suitable place in the building for the purpose of enabling combustion appliances to be safely installed.
- An airbrick is to be installed in the external wall as indicated.

**Ground floor**

- Details of insulation & structural construction see section 1-1, 2-2 & 3-3 (Drg.No. 102)

**First floor**

- 22mm T&G chipboard flooring (grade 2/3) in the bathroom on
- 50x220 (grade C16) joists @ 400 ctrs., unless noted otherwise.
- 100mm mineral wool insulation to be placed between floor joists.

**Roof**

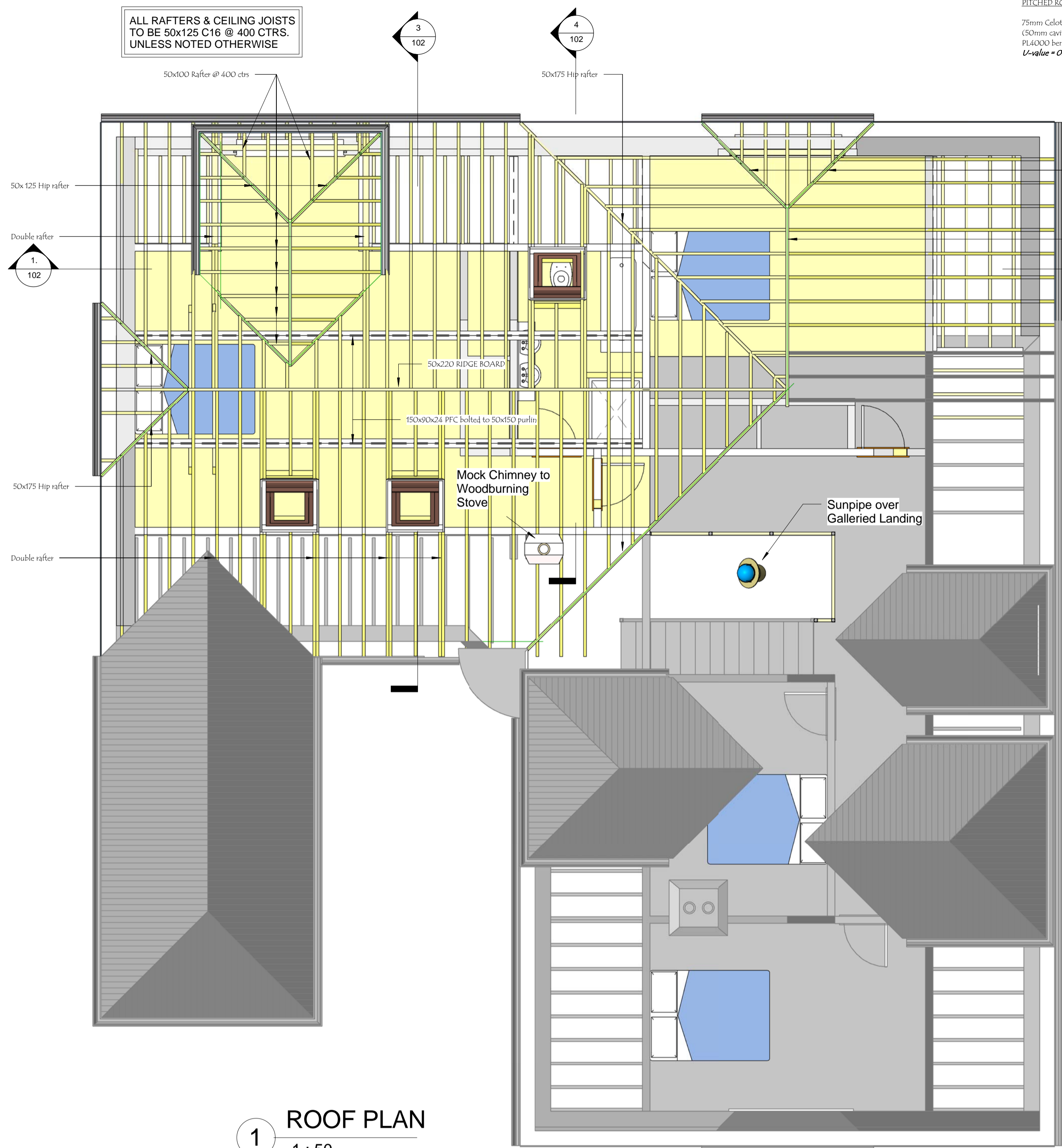
- Roof tiles to match existing on
- 25x38mm S.W. treated battens - to gauge of tiles on
- 'Tyvek' breathable roofing felt on
- 50x125 rafters @ 400 ctrs.
- 100mm Mineral wool insulation laid between ceiling joists and 170mm mineral wool over at the flat ceiling area.
- 75mm thk. 'Celotex' FR4000 between rafters on
- 72.5mm thk. 'Celotex' FR4000 under rafters with 3mm lightweight plaster skim.
- 50x100 wall plate secured to blockwork inner skin @ 1.2m ctrs.
- Fascias & soffits to be pvc finish.
- Pvc rainwater goods.

**External walls**

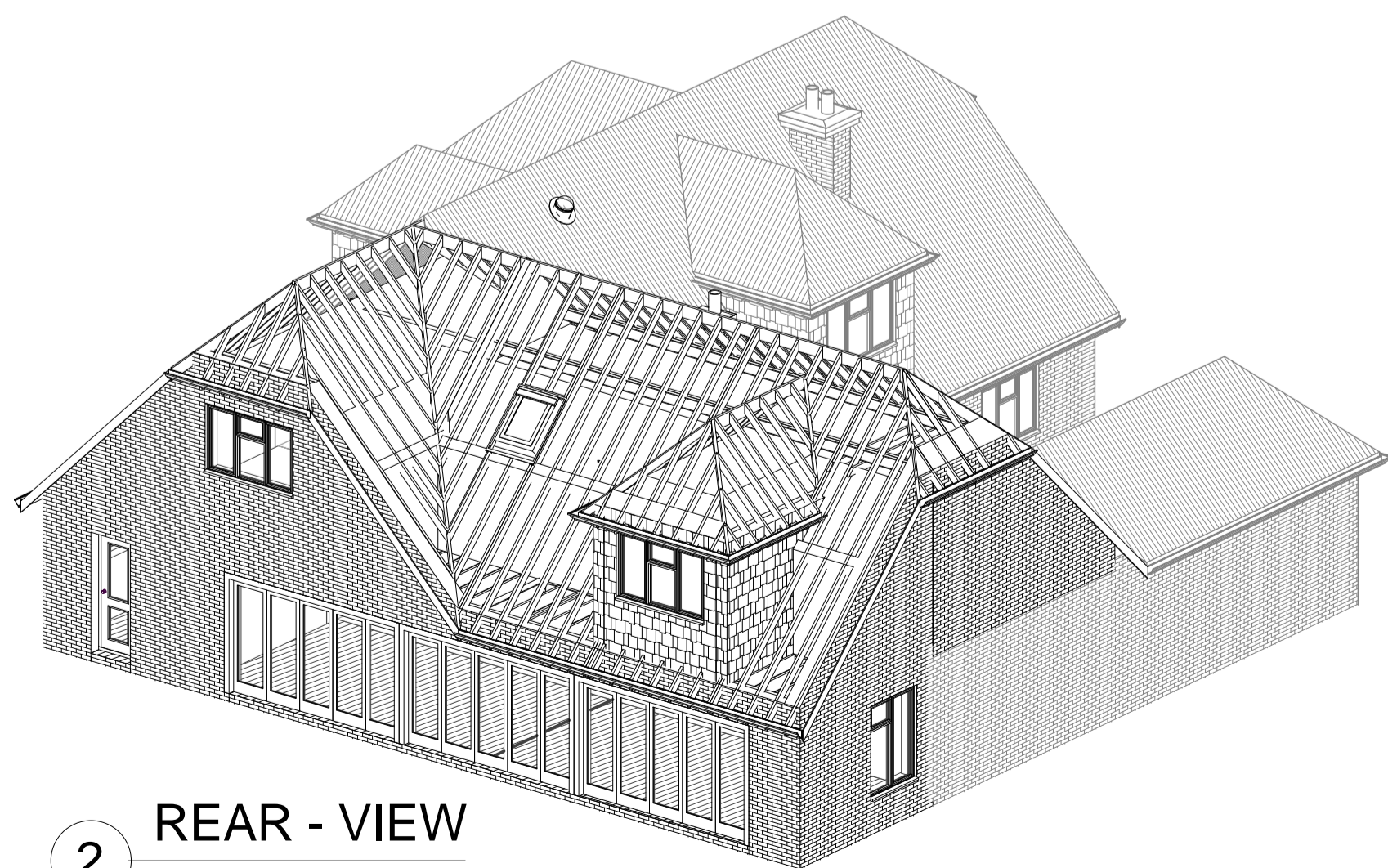
- Facing brickwork to match existing.
- 100mm cavity to be filled with 50mm Celotex CG4000
- 100mm blockwork inner skin, 12.5mm plaster finish.
- 225mm Stainless steel double triangle, double drip wall ties at 900mm ctrs. horizontally and 450mm vertically.
- Proprietary insulated closers to be used at window & door reveals.
- New brick & blockwork to be bonded to existing. All cavities to be continuous.

<b>Project:</b> 10 AXELEY LANE FARNHAM SURREY GU9 8PW	<b>Title:</b> SINGLE STOREY REAR EXTENSION AND ALTERATION TO EXISTING ROOF TO PROVIDE ADDITIONAL ROOMS	<b>Revision:</b>	<b>Description:</b>	<b>Date:</b>	<b>Tel:</b> 01252-794135 <b>E-mail:</b> chatom@aol.com www.tomchlaedesignltd.co.uk <b>Mob:</b> 07733-321338	<b>Drawing No.:</b> 2106-WF-101	<b>Job No.:</b> WF-106	
<b>Client:</b> Mr & Mrs W. Forster					<b>TOM CHLA DESIGN LIMITED</b> 7 Roseville Cottages * Summerfield Lane * Frensham * Farnham * Surrey * GU10 3AN	<b>Scale:</b> 1:50	<b>Date:</b> June 2011	<b>Revision:</b>

ALL RAFTERS & CEILING JOISTS TO BE 50x125 C16 @ 400 CTRS. UNLESS NOTED OTHERWISE



1 ROOF PLAN  
1 : 50



2 REAR - VIEW

**Steelwork**

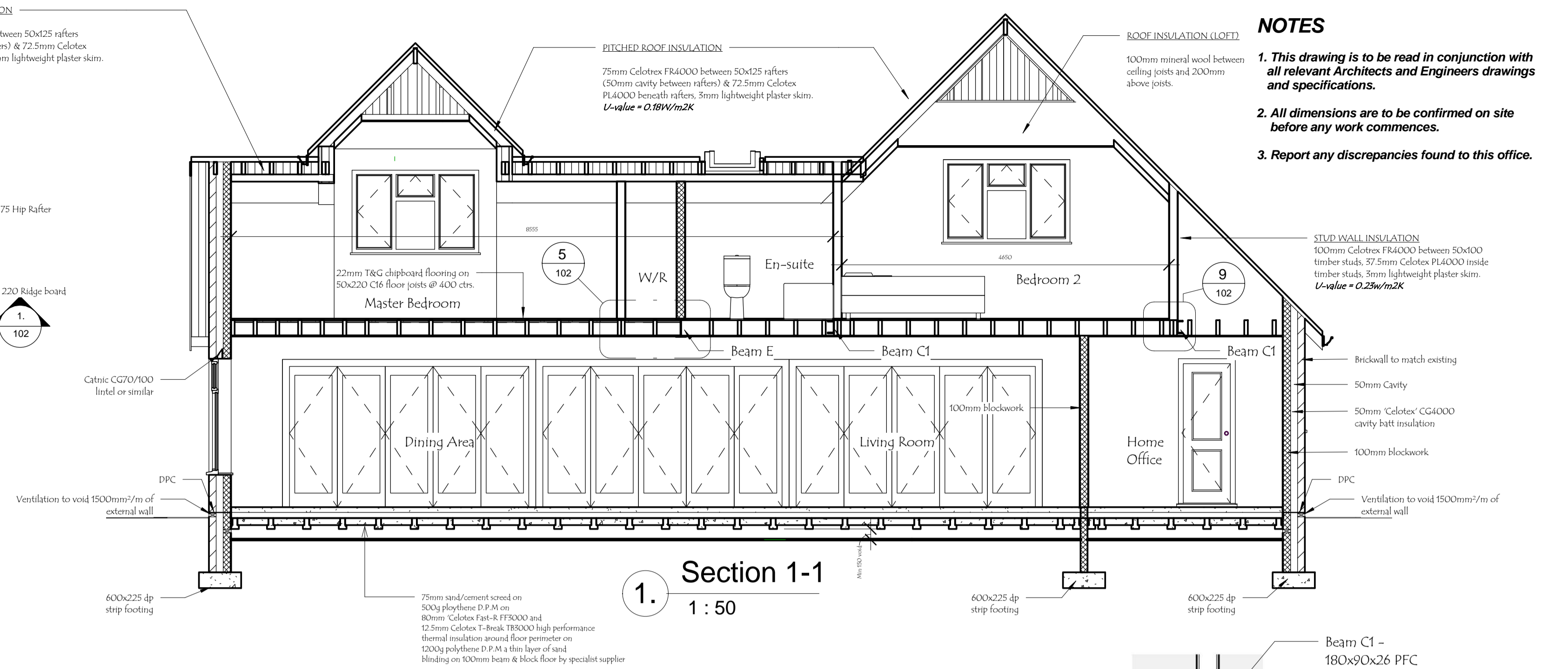
- \* All steel beams to be either coated with intumescent paint or encased in 12.5mm fireboard to provide the necessary 1/2 hr. fire protection.
- \* Twin channel sections to be bolted together with min 3no. M16 bolts or as noted on plan.
- \* All steel beams to bear on concrete padstones or bearing plates as noted in the design calculations.

**Railing at 1st Floor Landing**

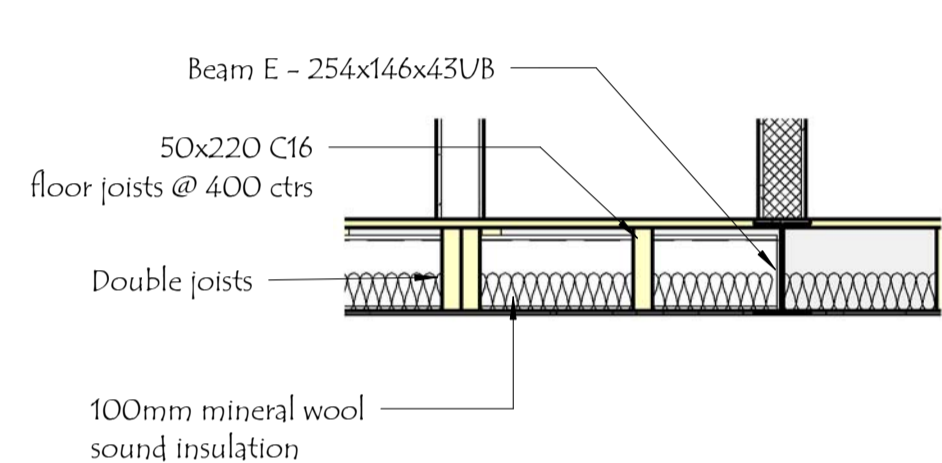
- \* Height of Railing to be 900mm above Finished Floor Level.
- \* Baluster spacing to be a maximum 100mm ctrs.

**PITCHED ROOF INSULATION**

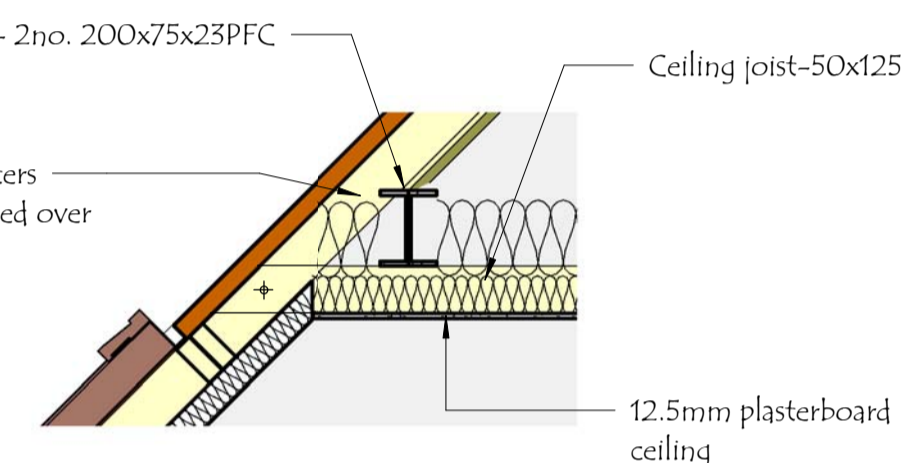
75mm Celotex FR4000 between 50x125 rafters (50mm cavity between rafters) & 72.5mm Celotex PL4000 beneath rafters. 5mm lightweight plaster skim. U-value = 0.18W/m2K



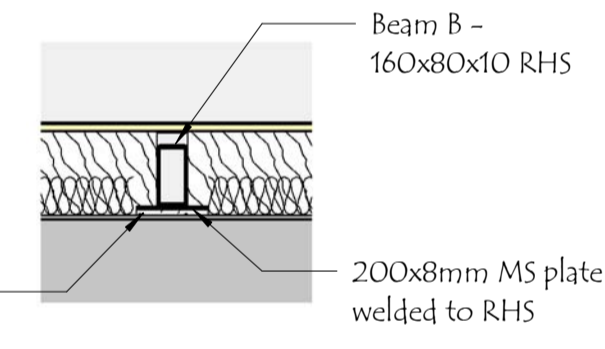
1 Section 1-1  
1 : 50



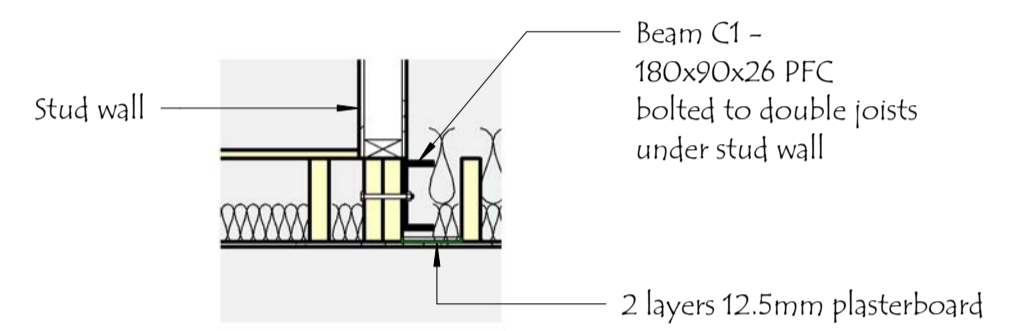
5 DET. 1  
1 : 20



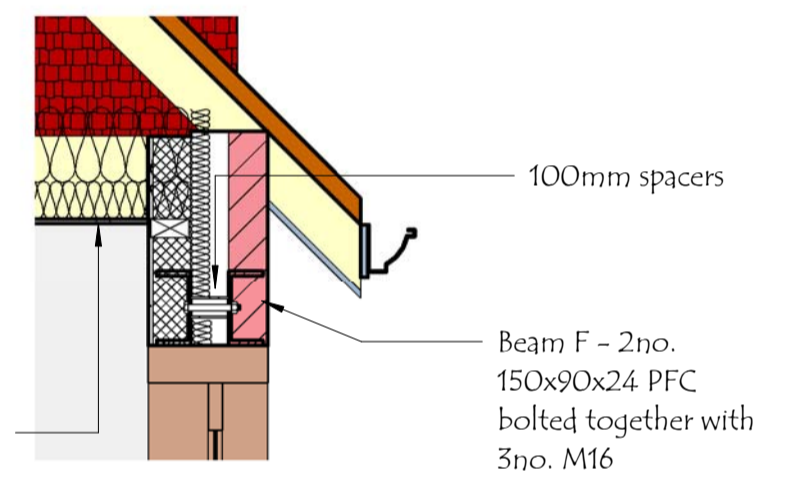
6 DET. 2  
1 : 20



7 DET. 3  
1 : 20



9 DET. 5  
1 : 20

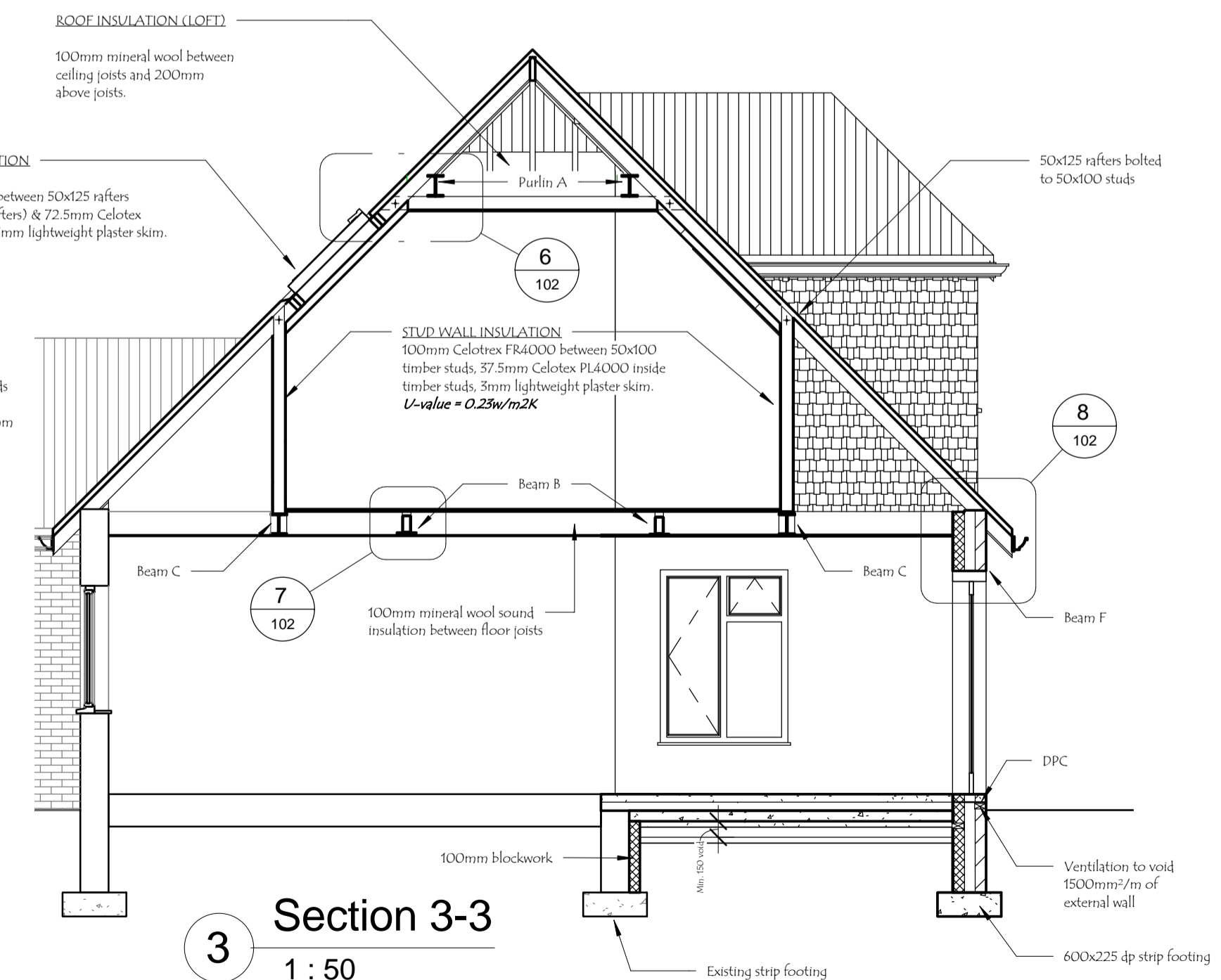


8 DET. 4  
1 : 20



4 Section 2-2  
1 : 50

**DORMER, CHEEKS & FACE**  
 \* Tile hanging to match existing on  
 \* 12mm XWP plywood on  
 \* Celotex GA4060 insulation between studs  
 \* 40mm Cavity between studs @ 400 ctrs.  
 \* 72.5mm Celotex PL4000 inside stud, 5mm lightweight skim  
 (U-value = 0.18W/m2 K)



3 Section 3-3  
1 : 50

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Project: 10 AVELEY LANE FARNHAM SURREY GU9 8PW	Title: SINGLE STOREY REAR EXTENSION AND ALTERATION TO EXISTING ROOF TO PROVIDE ADDITIONAL ROOMS	Revision:	Description:	Date:	Tel: 01252-794135 E-mail: <a href="mailto:chiatom@aol.com">chiatom@aol.com</a> <a href="http://www.tomchladesignltd.co.uk">www.tomchladesignltd.co.uk</a> Mob: 07733-321338	Drawing No: 2106-WF-102	Job No: WF-106
Client: Mr & Mrs W. Forster					<b>TOM CHLA DESIGN LIMITED</b> 7 Roseville Cottages * Summerfield Lane * Frensham * Farnham * Surrey * GU10 3AN	Scale: As indicated	Date: June 2011