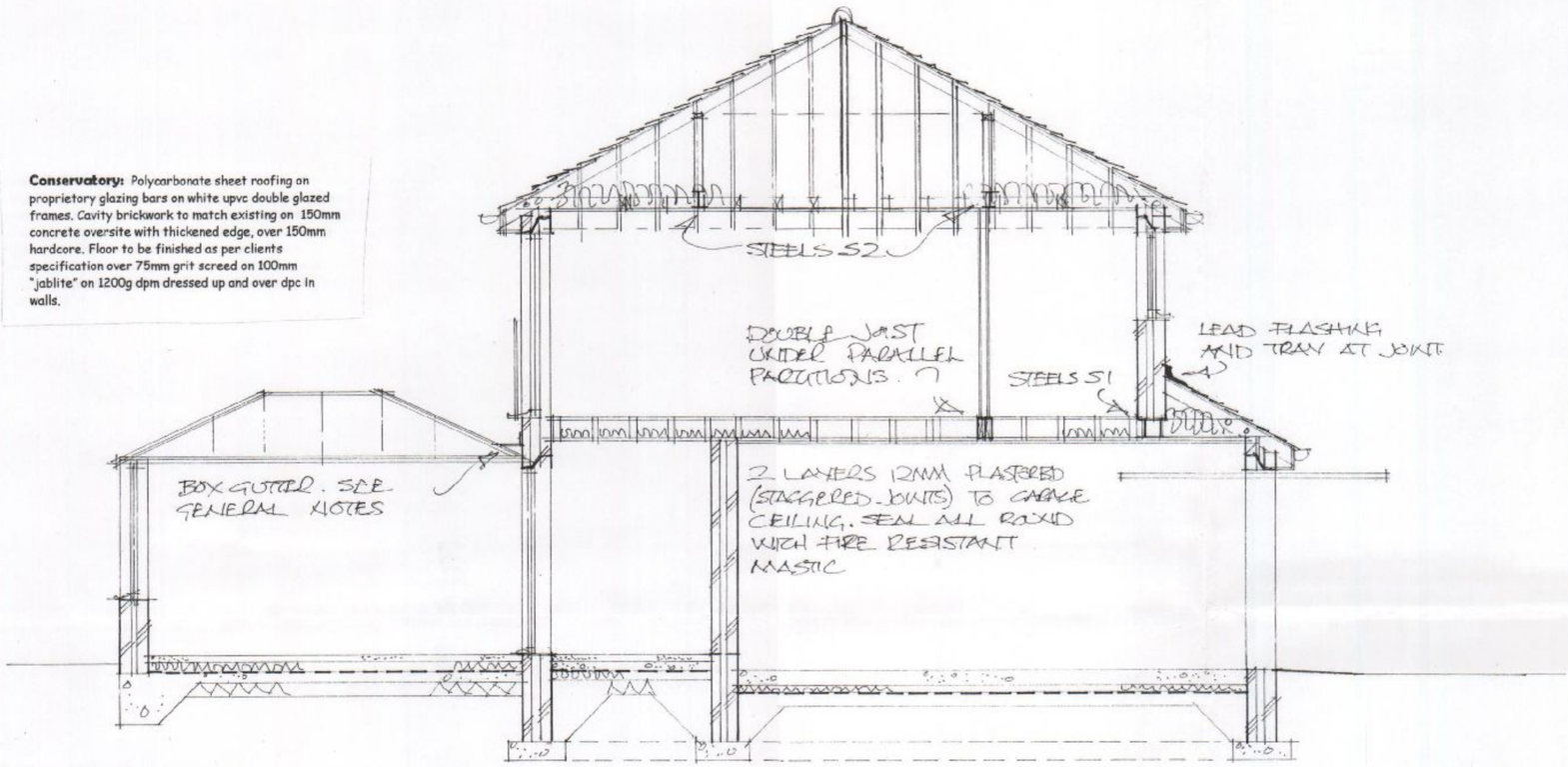
# PERMIT

**Conservatory:** Polycarbonate sheet roofing on proprietory glazing bars on white upvc double glazed frames. Cavity brickwork to match existing on 150mm concrete oversite with thickened edge, over 150mm hardcore. Floor to be finished as per clients specification over 75mm grit screed on 100mm "Jablite" on 1200g dpm dressed up and over dpc in walls.




## section a:a

**Foundations,** concrete strip 600mm x 225mm at minimum depth of 1 metre or to suit local ground conditions (in clay soils minimum depth 1.2 metres). 450x225mm under internal load bearing partition walls.

**Floor** 50mm screed on 100mm concrete slab on Celotex GA4070 insulation batts on 1,200G damp proof membrane continuous with new and existing damp proof course, on minimum 100mm well consolidated hardcore with 50mm sand blinding . fit 100mm diam pvc ducts under slab terminating in 225x75mm airbricks to vent existing timber subfloors when required.

**External walls** 112mm facing bricks to match existing as closely as possible, 50mm cavity to Celotex CW4040 on 100mm lightweight concrete block (Celcon Solar, Thermalite Turbo, or similar rated) inner skin with render and set finish. (overall cavity 90mm) Insulated catnic lintols over new openings. Close cavities at eaves with non-combustible material. Tooth into existing walls and maintain all cavities. Wall ties to be at 750mm ctrs horizontally and 450mm ctrs vertically and staggered. 'Catnic' or similar vertical cavity thermal closers at openings. External perimeter of door and window openings to be sealed with a suitable airtight sealant.

**First floor.** 19mm floor grade moisture resistant T& G chipboard on 175 x 50 mm floor joists at 400 mm centres. 1.00m x 32mm galvanised mild steel straps at 1.2m centres around perimeter as lateral support. Fit 100mm mineral wool batts as sound insulation between.

**Drainage** all drainage to BS EN752 plus approved doc H 100mm diam. PVC drain ware minimum fall 1-40 in 150mm concrete surround to new or existing inspection chamber on existing run. Bridge with concrete lintols over where passing beneath new walls and flexible packing surround. Exact position, invert and direction of all existing drains to be determined and agreed on site PRIOR to commencement of works.

New and existing drains where passing beneath building encased in 150mm minimum of concrete.

**Opening window** areas to be minimum 1/20th of enclosed floor areas. All new windows to be fitted with minimum 8000sq.mm. trickle vents per room. Maximum area of double glazed window not to exceed 25% of floor areas

**New windows:** new double glazed windows to have minimum U value of 1.6w/m²k. Doors to have a min U value of 1.80w/msq.k. Toughened glass in glazed doors and windows in critical locations. i.e.: alongside doors. Seal around window-wall joint with mastic sealant. Double rafters as roof light trimmers if applicable.

**Minimum full opening** size of escape window 0.33sq.m. min clear dimension of edge 450mm with cill below 1.10m from floor and above 800mm.

**Main roof,** concrete tiles on battens on felt on 100. Mm x 50 mm rafters at 400mm centres. Strap down with 1.00m x 32mm galv. ms straps at max 1.20m ctrs. Around perimeter.

**Steelwork:** see structural calcs for sizes. Minimum bearing 100mm on concrete padstones, prestressed concrete lintols or metal bearing plates. Encase in minimum two layers 12.5mm plasterboard for half hour fire resistance when fitted at floor levels. Lengths of steels to be site measured to include bearings.

**All new electrical works** to be designed, installed, inspected and tested in accordance with BS7671 (IEE.17thEd) the works are to be undertaken by an installer registered under a suitable self certification scheme or by a suitably qualified person with a certificate of compliance produced to building control upon completion of the works.

**Lighting.** Fit high efficacy light fittings minimum one per four new fittings. Any recessed ceiling lights to be 30minute fire resisting.

**SD ● smoke detectors:** fit smoke detector system wired to mains supply and to each other with battery back up system. One per floor minimum. All installed to BS 5839.6.2004 To be over 300mm from doors, walls and light fittings

**Rain water goods:** run new 100mm diam pvc rain water guttering and 70mm diam downpipes to existing drcinage system.

**Heating.** Gas fired combination boiler with balanced flue terminating min 300mm from windows. Boiler to have min. SEDBUK rating of 86%. Installer to be registered on the GAS SAFE REGISTER. Run 22mm diam cordensate pipe to foul drain via 75mm trap.

All new radiators to be fitted with TRVs

**Box gutter** to be formed where shown. Code 4 lead lining on 18mm ply base min.200mm wide. 90mm celotex Tuff R insulation under. Carry lead up roof slopes min 300mm. Fall to outlet.

ALL DIMENSIONS TO BE CHECKED ON SITE. ANY DISCREPANCIES ARE TO BE MADE KNOWN TO THE ARCHITECT AS SOON AS POSSIBLE.

SEE STRUCTURAL CALCULATIONS FOR STEEL OR TIMBER DETAILS. THE CONTRACTOR IS TO SITE MEASURE ALL STRUCTURAL MEMBERS AND STAIRCASE, BEFORE ORDERING.

THE PROPERTY OWNERS ARE TO ENSURE THAT ANY/ALL REQUIREMENTS OF THE PARTY WALL ACT ARE COMPLIED WITH. ADVICE CAN BE OBTAINED FROM THE ARCHITECT.

EXISTING LINTOLS AND FOUNDATIONS TO LOADBEARING WALLS TO BE EXPOSED FOR LOCAL AUTHORITY INSPECTION AND APPROVAL AS REQUIRED. NORMALLY AT THE START OF WORKS WHEN DRAINAGE RUNS ARE CHECKED.

CONTRACTOR IS TO CONFIRM THAT ALL NECESSARY LOCAL AUTHORITY APPROVALS HAVE BEEN OBTAINED BEFORE COMMENCING WORKS. COMMENCEMENT OF ANY WORKS PRIOR TO THIS IS ENTIRELY AT THE CLIENTS OR CONTRACTORS RISK. CHANGES TO THE SCHEME CARRIED OUT WITHOUT THE ARCHITECTS APPROVAL MAY INVALIDATE THEIR LIABILITY.

**Plumbing** all to BS EN 2056 plus approved doc H 38mm diam. wastes from sink, bath and shower. 32mm diam. Waste from wash hand basins, all with rodding access on changes of direction and with deep seal traps. Run to existing/new 100mm diam pvc svp terminating min 900mm above nearest window head and with rodding access at the base.

**Form 'Juliet' balcony** with metal handrail at 1.10m & bolted back to external wall. Balusters at max. 100mm ctrs.

**Roof insulation:** roof to be insulated with two layers of 150mm fibreglass insulation quilt. One layer laid between ceiling joist and one layer laid over in opposite direction. Maintain roof ventilation with 25mm contiruous air to eaves and vent tiles to apex as shown.

**Ceiling:** Ground floor, 12.5mm plasterboard and set. (2 layers in garage). First floor 12.5mm FB plasterboard under 175x50mm ceiling quarters.

**Inner partition:** 12.5mm plasterboard each side of minimum 75 x 50mm studwork. Fit 25mm sound insulation quilt between held in place with battens.

**Fit mechanical extract fans** to any new wc and bathroom areas rated at min 15lit/sec

**Fit mechanical extract fan** from kitchen rated at min 60lit/sec. If cooker hood installed, to be rated at 45lit/sec. Utility room if applicable to be rated at 30lit/sec.

**Fit 20/30** rated fire resisting doors with new 25x38mm stops, to all doorways opening onto route of escape (except bathrooms)

Note:
All dimensions must be checked on site and not scaled from this drawing.

EXCEPT FOR LOCAL AUTHORITY PLANNING PURPOSES

HAVANT BOROUGH COUNCIL
13 OCT 2011
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| | Date | Revision |

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Client

MR AND MRS BOOTH.

Job Title

66, FOURTH AVENUE
DENVILLES
HAVANT.

Drawing Title

SECTION AND NOTES.

Scale 1:50.

Date DEC 2010 | Drawn by CWC

Drg. No. 3172:10:3 | Rev. 1