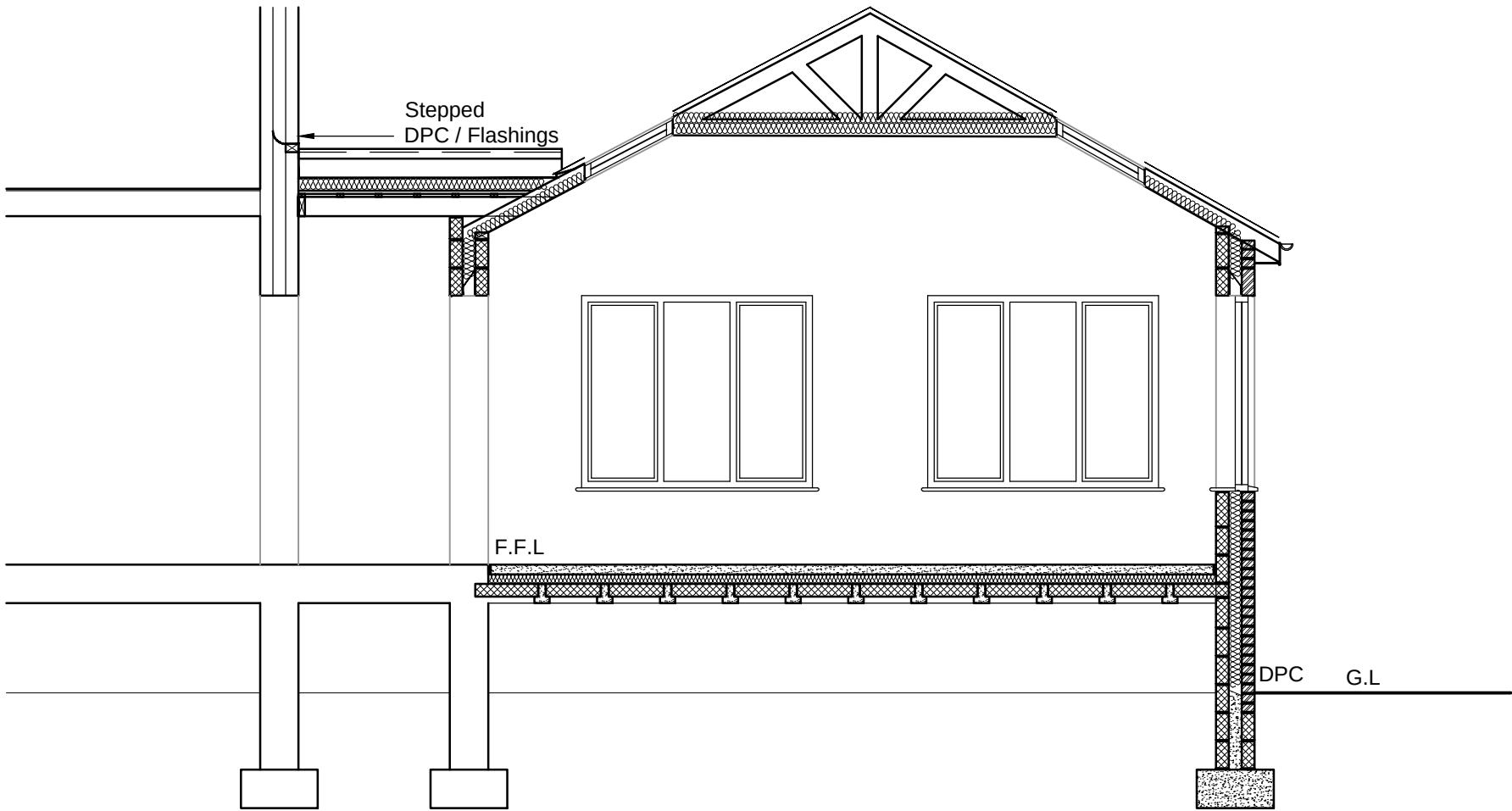
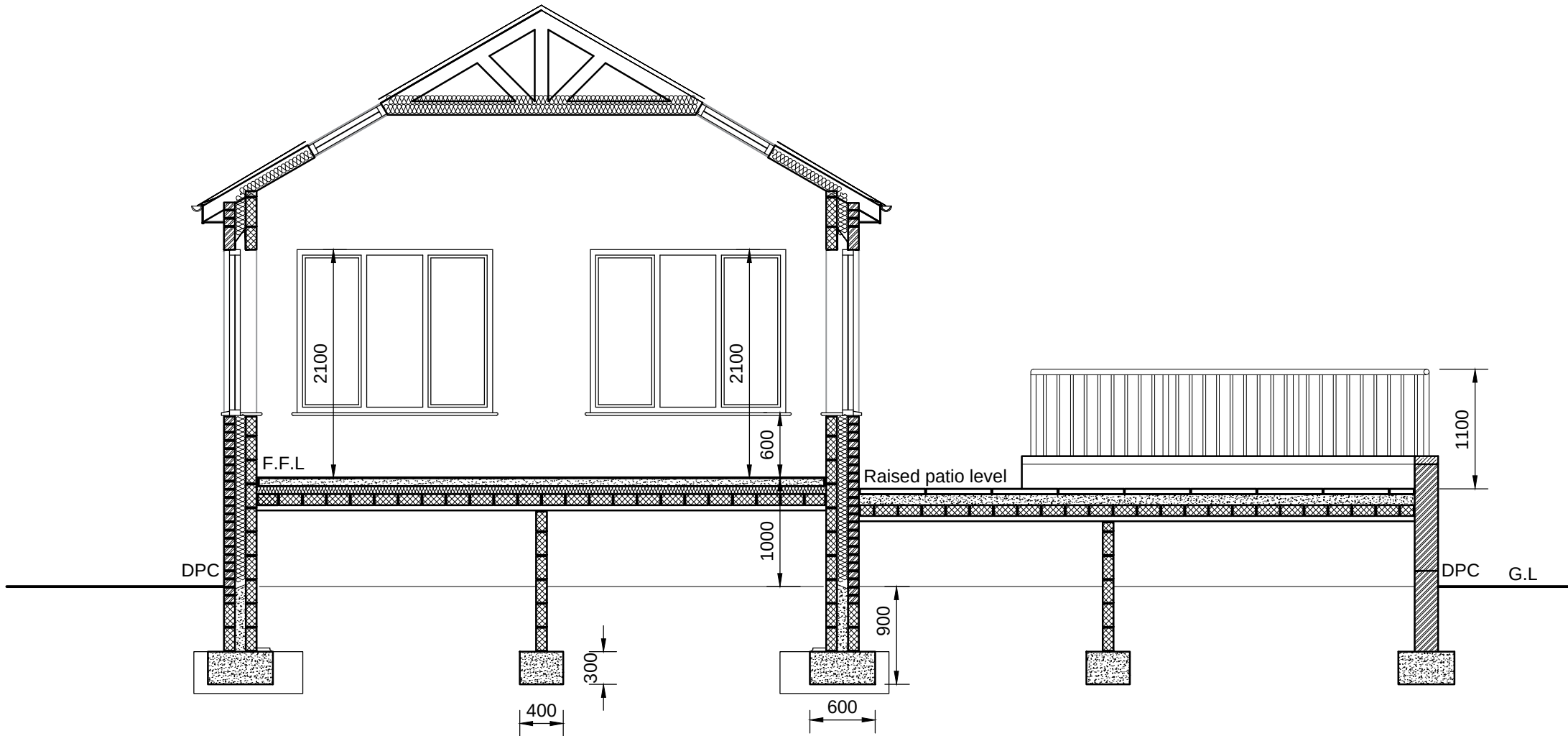




Proposed Section BB



Proposed Section AA

GENERAL SPECIFICATION

PITCHED ROOF comprising new roof tiles to match the existing on 50 x 25mm treated SW battens on Proctor Daltex Roofshield/Tyvek moisture permeable underlay otherwise in accordance with BS5534 part 1 1990 on new rafters, ceiling joists & struts supported on structural steelwork all to engineers details securely fixed together to form rigid framework securely spiked or clipped to 75 x 100mm wallplate with 2.5 x 30mm galvanized tie down straps at max 2 m centres at eaves and 5 x 30mm galvanised anchor straps spanning at least 3 members with 50 x 50mm noggins at 2m centres at ceiling and roof level at verges.

Provide 12.7mm plasterboard and skim flat ceiling with 1 layer 100mm Rockwool RollBatts insulation between joists and 1 layer of 170mm Rockwool RollBatts insulation cross laid to cover joists.

LININGS TO SLOPING PITCHED CEILINGS comprising 48mm Gyproc ThermaLine Plus with skim finish and 150mm Kingspan K7 insulation between rafters to leave min. 50mm air space over.

FLASHINGS to be linked to stepped dpc at abutments with roofs & existing walls. Provide weep holes at 450mm centres.

CONCRETE COPING TO PARAPET WALLS bed in mortar on DPC across full width of wall ensuring that it is correctly lapped and supported across cavities.

FLAT ROOF comprising Spectraplan TPE SM (mechanically fixed) or equivalent 1.2mm (1.5mm) thick single ply membrane on 120mm Thermarof TR26 LPC/FM or similar insulation (k=0.022W/m-K) on vapour check layer complete with all trims accessories etc and 10 year guarantee on structural deck as below

STRUCTURAL DECK COMPRISING 19mm exterior plywood and linked to roof covering at perimeters all in accordance with CP144 Part 3 1970 on sawn SW cross firrings to give approximately 1 in 60 fall on SC3 treated joists 150x50mm at 450mm maximum centres spiked or clipped to 75 x 100mm wallplate with 2.5 x 30mm galvanized tie down straps at max 2m where joists at right angles to walls and 5 x 30mm galvanised anchor straps spanning at least 3 members with 50 x 50mm noggins at 2 m centres where joists parallel to walls

EXTERNAL WALLS comprising 102mm facing brick walling in 1:1:6 cement:lime:sharp sand mortar, external leaf to match existing, 100mm cavity and 100mm dense concrete blockwork inner with100 mm Rockwool full fill cavity insulation and 22mm ThermaLine Basic LD dry lining internally (approx 32mm finish thickness not included in setting out). Provide vertical twist type wall ties to BS1243 1978 or equivalent with proprietary insulation retaining clips at 750mm horizontal and 450mm vertical (each block course at jambs) centres. Provide lean mix concrete cavity fill and weep holes to GL. Provide DPC min 150mm above GL and where cavity closed. Close cavity at head with flexible closer

Ensure that new masonry is fully bonded to existing and that any cavity is continuous

Form 25mm step at jambs to suit thickness of dry lining

Form 12.5mm check reveal at jambs as NHBC guidance

Use Cavity Trays Ltd Type H Cavicloser or equivalent, insulated combined cavity closer and DPC at all openings unless stated otherwise. Set face closer to suit 75mm external window reveal

Minimum compressive strength of blockwork to be 7N/mm2 to ground floor

INTERNAL LOADBEARING SLEEPER WALLS to be 100mm dense block work(Air brick ventilation at 3m centres.)

Minimum compressive strength of block work to be 7n/mm2 to ground floor

EXTERNAL WALLS TO RAISED PATIO to be 215mm facing brickwork with precast concrete coping.(Air brick ventilation at 3m centres.)

LINTOLS generally to be Birtley CB90 (maximum span 3.6m) or Birtley HS 90 (maximum span 4.8m) insulated combined lintols to cavity walls and LA 2 angle lintols to partitions unless stated otherwise. End bearings to be at least 150mm and occur over uncut bricks/blocks. Provide 2 Cavity Trays Ltd type L90 lintel stop ends or equivalent and weep holes at ends and at 450mm centres

FOUNDATIONS to be 600 x 300mm C20P concrete strip foundations to external walls and 450 x 300mm to internal masonry partitions all reinforced using B503 unless stated otherwise min 9000mm below GL and to entire satisfaction of Local Authority Inspector on site

GROUND FLOORS GENERALLY comprising 75mm sand cement screed with 10 - 12mm expansion gap at perimeter on 1000 guage polythene vapour barrier on 75mm Kooltherm K3 floorboard insulation on proprietary beam and block flooring supplied via specialist with design & structural calculations. Provide proprietary stepped void ventilators at 3m centres in external walls and leave ventilation openings in internal walls
Existing air bricks, if any, to be ducted through

Raised patio to have suspended beam/block flooring as above but not insulated & with 100mm concrete screed laid to falls to dished channel block all on 2000 gauge visqueen dpm , with surface finishes comprising of 25mm sand/cement bedding on 38mm thick concrete paving's to selection & approval.

DOORS AND WINDOWS purpose made UPVC to BS 7412 as shown with 3 point security locking to doors and locking window handles, opening elements to be weatherstripped, windows to be double glazed with Low-E panes, min. 12/16mm air gap, air/argon filled to BS EN 1279/BS 5713, third party certified eg with "Kitemark" and fitted with "hit and miss" ventilators or other suitable devices capable of allowing background ventilation (8000mm2 to habitable rooms, 4000mm2 to kitchens and sanitary accommodation)/(4000mm2 or 400mm/m2 to occupiable rooms (whichever is greater), 4000mm2 to kitchens and sanitary accommodation.

Provide safety glazing to BS6206 1981 within 1500mm of floor to doors and side panels within 300mm of doors and to windows less than 800mm above floor level

Fire exit door to be fitted with turn button as means of opening without using a key.

EXTERNAL CONCRETE STAIRS precast concrete stairs as indicated on the drawings, 280mm min going, 170mm max risers, provide handrail 900mm above pitch line and balustrade 1100mm above landing & patio area with no opening to exceed 100mm and not easily climbable

RAINWATER SYSTEM to be Terrain 2100 Half Round System, colour black. If alternative product used sizes to be not less than gutters 110mm, pipes 69mm

BELOW GROUND DRAINAGE to be 100mm Hepworth SuperSleeve or equivalent approved/UPVC on 100mm gravel bed generally and backfilled with selected as dug material. Locate bends adjacent to inspection chambers in accordance with manufacturer's instructions, max bend between chambers 22.5 degrees for foul and 45 degrees for surface water. Encase drains in 150mm concrete surround below buildings with flexible joints at each pipe joint. Take foundations below the pipe and sleeve through walls leaving a 50mm gap faced with rigid sheet material both sides of wall and with proprietary precast concrete lintols over. Minimum gradient for foul drainage 1:40. Minimum gradient for surface water drainage 1:80 unless stated otherwise
Use proprietary inspection chambers or construct brick manholes comprising 215mm Class B engineering brick on 150mm concrete slab with manufacturer's bends. Inspection chambers within buildings to have double seal, airtight, bolt down covers.

SMOKE DETECTORS Provide mains operated interlinked smoke alarms to BS 5446: Part 1: 2000

ESCAPE LIGHTING Provide emergency lighting to all escape routes in accordance with BS5266

HEATING SYSTEM Myson panel radiators with thermostatic valves as shown connected to existing system.

Job

Bolton House

Client

Bolton Hall Care Home

Drawing

Proposed Conservatory Sections

Scale/Date/Drawn/Chk.

1:50 / 30.06.2015 / RR

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