

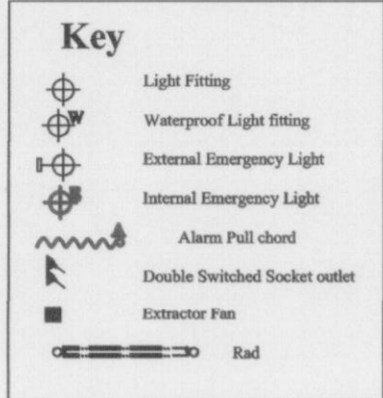
**ELECTRICAL**

All wiring and electrical work will be designed, installed, inspected and tested in accordance with the requirements of BS7671, the IEE 16th Edition Wiring Guidance and Building Regulations Part P (electrical safety) by a competent person registered with an electrical self-certification scheme authorised by the Secretary of State (i.e. a member of a prescribed competent person's scheme).

The prescribed competent person is to send to the local authority a self-certification certificate and a BS7671 Electrical Installation Test Certificate from the prescribed competent person.

Electrical installation work to be to the latest I.E.E.Regulations and a BS 7671 electrical installation certificate issued by such a registered person to be given to the person ordering the works upon completion.

Electrical sockets & Switches to be between 450mm & 1200mm above floor level .

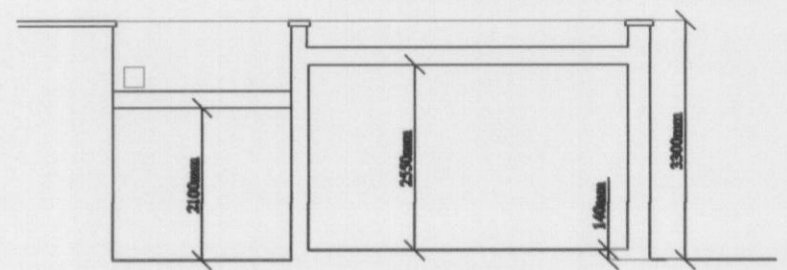


**DRAINAGE**

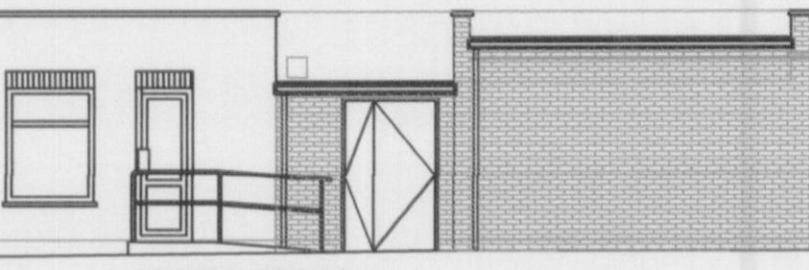
**Underground Drainage**  
100mm dia. uPVC Plastidrain flexible jointed drainage system laid at falls as shown. Drainage to be laid in 150mm pea shingle bed and surround. Drains to be encased in 150mm concrete under buildings and A 124 mesh incorporated in oversites over drains.



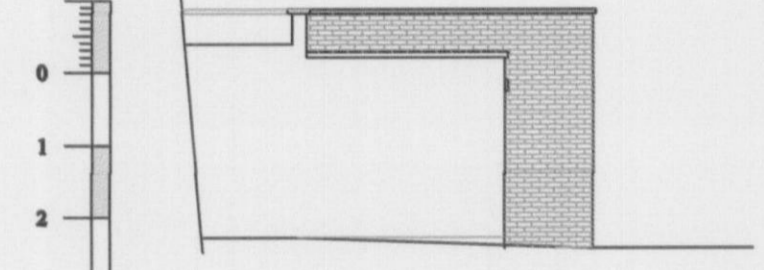
Proposed Elevation 1:100



Section 1:100



Proposed Elevation 1:100



Proposed Elevation 1:100

**DRAINAGE**

**Internal Drainage**  
WC's with integral traps 100mm dia. uPVC branches to new SVP's. Wash hand basins - 75mm traps, 32mm with uPVC wastes to new SVP's /gullies. All wastes to have accesses at all bends.

**EXTERNAL WALLS CAVITY WALLS**

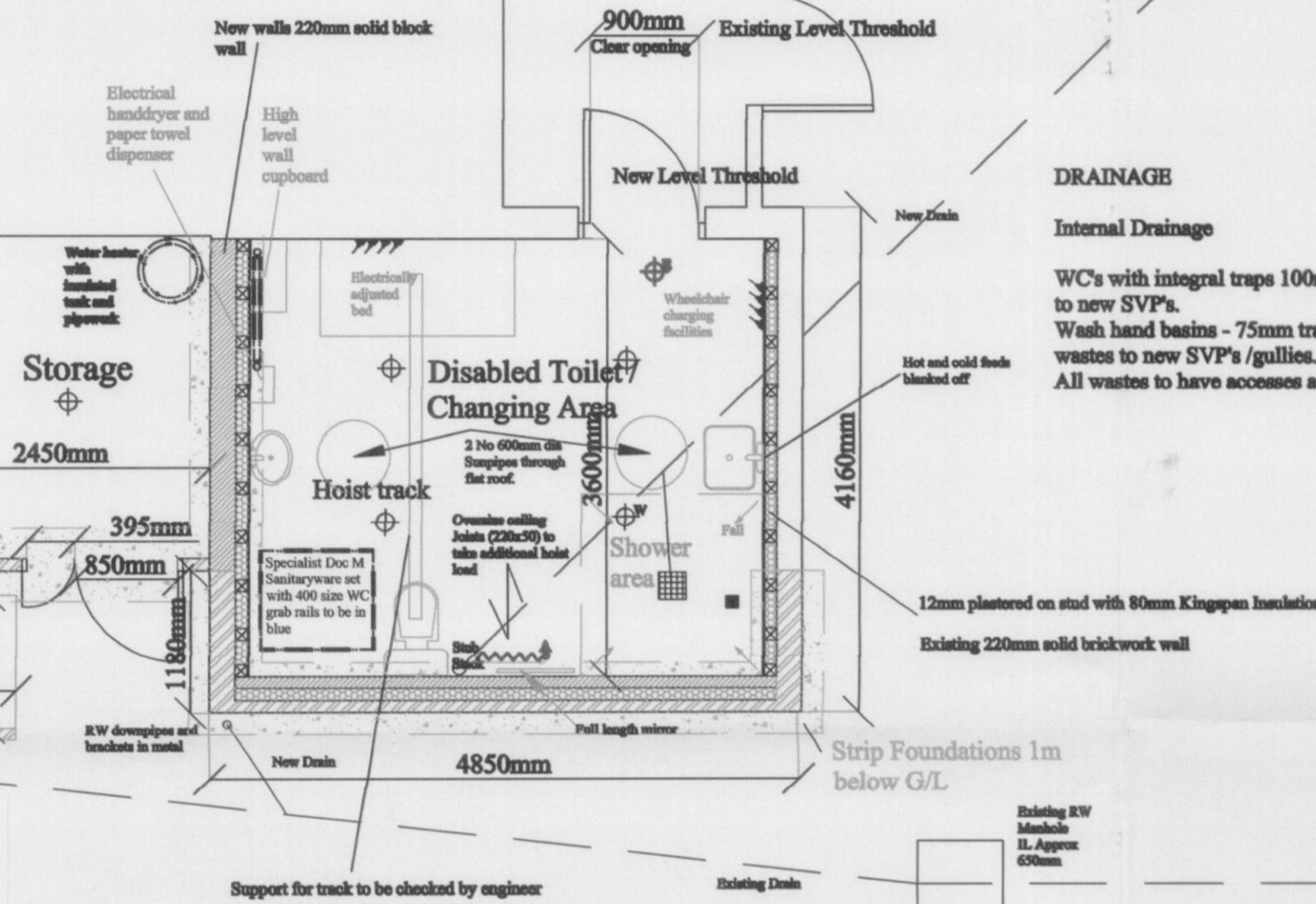
100mm facing brickwork. 100mm cavity with 100mm Crown Dritherm Cavity slab 34 or equivalent to give U value of 0.29W/m2k. 100mm aerated block 0.19W/mk. Stainless steel 225mm vertical twist cavity wall ties at 450mm c/ocs vertically and max. 900mm horizontally; Hyload DPC min 150mm above ground level, bonded to existing DPC's and DPM's. Common Fletton brickwork below DPC on internal leaf and below ground level on external leaf. New walls fixed to existing with Furfix Profiles. Cavity insulation to be taken 225mm below the top of the floor insulation.

**Single Skin Lined External Walls**

Existing 210mm facing brickwork. 19mm x 32mm timber battens fixed on to Sisalkraft 40 building membrane paper at 400mm c/ocs. 12mm foil backed plasterboard and skim. 32mm Styroliner fixed to battens and finished with Thistle skim.

**ROOFS**

Felted Flat Roofs.  
Two layers Andersons HT felt laid on 12mm external quality plywood decking, timber tilting fillets to provide fall of 1 in 60, 225mm x 50mm joists at 400mm c/ocs. Rockwool roofing board ( 130mm thick )between joists and 25mm Kingspan over joists to give insulation value 0.25 W/mk . 25mm nominal fascia boards and gutter boards 6mm marine quality plywood soffits. 12mm foil backed plasterboard to underside of joists. Sisalkraft 40 building paper vapour barriers under plasterboard. Timber tilting fillet to upstand. Aluminium trimming to edges of upstand.



Proposed plan 1:50

**FLOORS**

**Solid Ground Floor**  
Excavate and provide 150mm well compacted hardcore, blinded with ash or sand. 100mm C20P mix concrete over site. Provide 1200 gauge polythene DPC taking care to prevent puncturing during laying. Damp proof membrane to be bonded to all other DPM's and DPC's. 80mm Celotex GA300z insulation board. Insulation dressed to external perimeter edges to prevent cold bridging. 75mm 1:3 sand:cement screed.

**FOUNDATIONS**  
Foundations to be 1000mm depth x 600mm wide unless otherwise directed on site by Building Inspector. Concrete C20P mix to 150mm below ground level. No trees are close enough to the foundations for them to come within their sphere of influence as shown on Table 4. of Appendix 4.2(c) of the NHBC Standards.

**FOUNDATIONS OVER DRAINS.**  
Pre-cast concrete lintels over giving min. clearance 50mm to be packed with fibreglass.

**VENTILATION**

Ventilation to sanitary accommodation  
Mechanical extraction to provide 6 litres per second with a 15 min overrun where there is no openable window.

Rev:-	E	Date:-14-07-08	Drawn by:- DJP
Details:- Section + Extra elevation - planning			
Rev:-	D	Date:-11-07-08	Drawn by:- DJP
Details:- Foundations			
Rev:-	C	Date:-08-07-08	Drawn by:- DJP
Details:- B Reg Notes			
Rev:-	B	Date:-02-07-08	Drawn by:- DJP
Details:- Hoist Alts - Ramp handrail & Notes			
Rev:-	A	Date:-25/06/08	Drawn by:- HLMcN
Details:- Notes added, fixtures rearranged			

**A D Practice Ltd.**

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Client:- **Cuffley Primary School**  
Job:- **Cuffley Primary School Theobalds Road Cuffley**

Detail:- **Proposed Plan and elevations**

Scale:-	Date:-	Drawn by:-
1:100	June 2008	RJD
Drawing No:-	Rev:-	
2148-02	E	

**A 2 Drawing**

WELWYN HATFIELD PLANNING OFFICE COPY  
02 AUG 2008  
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