



Legend	
	Dense blockwork 100mm thick unless noted otherwise
	Block 140mm thick Density 1350 - 1600kg/m cube
	Durox supabloc 100mm thick
	Facing Brickwork 102.5mm thick

Electrical Symbols Legend	
	Consumer unit
	Pendant light fitting E denotes efficient lighting
	Batten holder fixing
	External light fitting mounted 1950 above f.f.l.
	Light switch 1 way, 1 gang mounted 1050 above f.f.l.
	Light switch 2 way, 1 gang mounted 1050 above f.f.l.
	Light switch 2 way, 2 gang mounted 1050 above f.f.l.
	Dimmer switch mounted 1050 above f.f.l.
	Fan isolator switch mounted 2100 above f.f.l.
	Single switched socket outlet 13A mounted 450 above f.f.l.
	Twin switched socket outlet 13A mounted 450 above f.f.l.
	Blanked off power point for future use mounted 1650 above f.f.l.
	3A switched connection for boiler mounted 1050 above f.f.l.
	Room thermostat for central heating mounted 1050 above f.f.l.
	Television coax aenal socket mounted 450 above f.f.l.
	Smoke detector
	Shaver socket no light mounted 1050 above f.f.l.
	Ceiling mounted fan
	Telephone point mounted 450 above f.f.l.
	Recessed downlighter with intumescent cover
	20 amp, dual switch with pilot light 20 amp, triple
	Indicative position radiators, exact location 4 quantity to be determined by M&E engineer TR = Towel Rail KS = Kitchen Kickspace Heater
	Underfloor Heating Manifolds
	Bell sounder
	Bell push
	Alarm Control Panel Position (wiring only)
	Alarm keypad Position (wiring only)

General Specification & Construction Notes

Ground Floor
Ground Floor: Beam and Block on Traditional Foundations to Engineers depth with 150mm Celotex XR4000 Floor insulation (Or similar approved) on 5000 gauge DPM with 75mm Fibre cement screed to finish.

Wall Construction Below DPC
Load bearing bricks to be FL Grade and have a minimum crushing strength of 21 N/mm². Mortar mix to be 1:1:4 cement:lime:sand, with Naylor R2 100 x 145mm beams to span over any drainage.

DPC
Horizontal DPC to all walls to be 100mm wide 2000 Gauge black polythene. Laps to be 150mm minimum.

Wall Construction
External wall construction from Facing 102.5mm Brickwork with 125mm cavity, Filled with 75mm Celotex or other similar approved. Internal and external leaves tied together with stainless steel wall ties, spaced at maximum 900mm horizontally and 450mm vertical (225mm at openings/reveals) centres. To give a U-Value of 0.21 W/sq.mk.

Internal finish to external walls to be 12.5mm taper edge plasterboard on 12.5mm adhesive dabs, Tape and Joint

Mortar mix to be 1:3 - cement:sand. Stainless steel wall ties to BS 1243 (as amended) spaced at 900mm c/c horizontally and 450mm c/c vertically and staggered. Wall ties to be provided at 225mm c/c at openings and reveals.

Internal stud partitions to be 63mm timber studs @ 600mm centres (400mm Centres around showers) with facings of 12.5mm wallboard, with all joints taped and finished with tape and joint with 50mm Rockwool inside to achieve a weighted sound reduction index not less than 40dB over the frequency range 100-3150 Hz.

Windows
External windows to achieve a U-value of 1.55 W/sq.mk or a centre-pane value of 1.2W/sq.mk. All glazing to be 24mm overall thickness (16mm air gap) Low E soft coat, argon filled double glazed units (Pilkington K glass or similar) to achieve an overall U-value of 1.8W/sq.mk. All glass fitted within 800mm of the finished floor level to be toughened safety glass. Glass to rooflights to be toughened safety glass.

Roof
Pitch roof to Specialist Design. Ceiling to be insulated using 400mm mineral wool quilt laid in two layers between rafters, 200mm first layer and 200mm second layer crosslaid over and finished with 15mm Standard Wallboard.

Sloping Ceiling
15mm Duplex Plasterboard under, 100mm Rafters with 150mm, 1No. layer of 100mm Between and 1No. Layer 50mm Celotex (Or similar approved) under rafters, with Tyvek Supro over, with 25mm battens and tiles.

First Floor
Timber floor to Specialist Design, with 100mm mineral wool insulation between joists & 15mm Plasterboard under.

Ventilation
Trickle vents in the head of the frame with a minimum area of 8000mm². Kitchen area to be provided with a cooker hood to extract at a rate of not less than 30l/s.

Electric Work
All wiring and electric work to be designed, installed, inspected and tested in accordance with the requirements of BS 7671, the IEE 18th Edition wiring guidance and Building Regulations Part P (electrical safety) by a competent person registered with an electrical self-certification scheme authorized by the Secretary of State. The competent person is to send to the Local Authority a self-certification certificate within 30 days of the 'electrical works' completion. The client must receive a copy of the self certification certificate and a BS7671 Electrical Installation Test Certificate.

Smoke detectors to be mains operated, self contained and permanently wired to a separate circuit at the distribution board.

Drainage
Sanitary pipework to be 100mm diameter uPVC. New underground drainage to be 100mm dia uPVC drains laid and surrounded with 100mm pea shingle. Falls to be 1:40 if possible but in any event not to be less than 1:80. Reinforced PC lintels (where appropriate) to be provided above any drains passing through or under walls. All foul and rainwater drainage to be in accordance with Approved Document H1, Section 2 and H3, Section 2.

Structural Steelwork
All structural steelwork to be clean, rust free. Beams to be laid in on length without splices and encased.

Foundations
Foundations to be constructed as detailed by SE and to the approval of the approved inspector.

Drawing Revisions			
ISSUE	DATE	REVISION	BY
Rev A	06/06/22	Garage and room over walls updated	GS
Rev B	21/06/22	Updated to Clients comments	GS
Rev C	30/06/22	Garage Finished Floor Level added	GS
Rev D	12/07/22	Furniture and M&E Shown	GS
Rev E	25/08/22	Updated to Clients comments	GS
Rev F	12/09/22	RWP's Added and WC Boxings removed	GS

General Notes

This drawing is to be read in conjunction with the standard technical specification and other documentation as deemed necessary.

SETTING OUT:
All dimensions are taken from brickwork / blockwork face and plasterboard face of stud partitions

CONSTRUCTION

Drawing produced for:

GWPS DESIGN

Do Not Scale!
All Dimensions Are In Millimetres Unless Otherwise Stated
If In Doubt Ask!

PROJECT:
The Hermitage
Netley - The Paddock

DRG TITLE:
PLOTS 3, 4, 5 and 6
Ground Floor Plan

JOB NO: GS222601-02	DRG NO: THNBR 022	REV: F
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SCALE: 1:50 (A1)	DRN BY: GWS
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DATE: 05/2022	CKD BY:
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Drawing produced for:

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