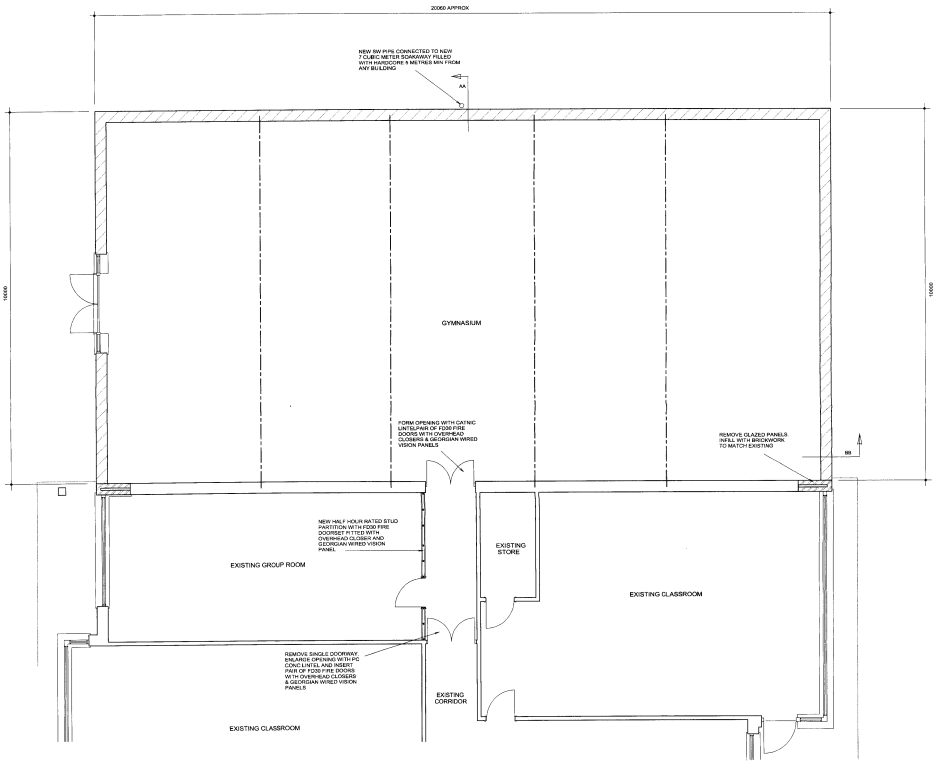


PROPOSED GROUND FLOOR PLAN

5.000H @ A1

GENERAL SPECIFICATION

FOUNDATIONS

Concrete deep strip 30 N/mm^2 strength sulphate resisting cement. Depth & width provisionally as plan but final depth & width to be agreed on site with building inspector. Drains running under new walls to have 150 RC lintel over & 50 clearance.

GROUND FLOOR – SUSPENDED PRECAST CONCRETE CONSTRUCTION

50 lean mix concrete oversite on lapped 1200 gauge DPM. Bison beam & block suspended precast concrete floor. All as spec on drawing.

EXTERNAL WALLS

Solid wall of 215 Celcon Standard lightweight block. Brick below DPC. Wall construction to meet 0.30W/m2K. Provide thermalite expansion joint on spans in excess of 6m. Hi-load DPC to BS743 lapped to existing. Sulphate resisting cement to be used on all work below DPC. Mortar mix 1:1:6. Dry line internally 40 Celotex TaffR CW3040, 12 ply, 9 plasterboard & 3 skim. Exterior clad with softwood shiplap cladding on treated battens on 1200 gauge polythene sheet. Window and door openings to have precast concrete lintels over with min 150 bearing & Vertical DPC at reveals. Plastic air bricks @ 1800 cts to perimeter of building.

STEELWORK

Beams to be clad with 2x12.5 plasterboard to provide 30 min fire resistance.

MAIN ROOF (PITCHED)

200x50 rafters at 400 cts. Spiked & B-mouthed to joists & wall plates. 5x30 MS restraint straps at 1800 cts. 200x38 ridge board. 1 layer roof u-felt. 19x38 battens. 5x30 MS anchor straps at 1200 max cts screw fixed at three points to both roof structure and wall. Roof tiles to match existing. 55+55 Celotex tuff-R zero GA3000Z between rafters. 1 layer roof u-felt. 19x38 battens. 50 ventilation air gap over insulation. Ventilate at eaves and ridge. Ceiling 9 plasterboard & 3 skim

FLAT ROOF (WARM DECK CONSTRUCTION)

200 x 50 joists at 400 cts. 5x30 MS anchor straps at 2000 max cts. 19 exterior grade plywood firred to fall min 1 in 40. 100 celotex insulation slab on top of ply. Code 5 lead roofing dressed under tiles. Ceiling 9 plasterboard & 3 skim.

VENTILATION

Windows/doors to have trickle ventilators 8000 mm^2 min vent

DRAINS

Osma 100 dia laid in 150 pea shingle to fall min 1 in 40. Encased in concrete under building with ecp joint at each collar. Inspection chambers 150 concrete base. 225 shaft of engineering bricks type B flat pointed. Osma channel fittings in 1:3 mortar benching. 600x450 cast iron frame & cover.

SURFACE WATER

150 dia PVC gutters. 100 dia PVC downpipes.

ABUTMENTS

All exterior abutments to have code 4 lead min 150 flashing let into brickwork or blockwork.

WINDOWS & DOORS

Double glazed with 16 air gap and soft low E coating. Built in 8000mm^2 adjustable vent. Door and adjacent window glass to be toughened safety glass. All windows to achieve minimum U value of 2.0 w/m2K if timber or plastic, 2.2 w/m2K if metal framed

ELECTRICAL WORK

All electrical work required to meet the requirements of Part P (Electrical Safety). Must be designed, installed, inspected & tested by a person competent to do so. Prior to completion the council should be satisfied the Part P has been complied with. This may require an appropriate BS7671 electrical installation certificate to be issued for the work by a person competent to do so. New light fittings to have high efficiency lamps with luminous efficacy greater than 40 lumens per circuit watt.

PROPOSED GYMNASIUM EXTENSION
WHITEHEATH JUNIOR SCHOOL

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SCALE 1:50 @ A1
MARCH 2008

DRAWING No. 0397.1 REV C

ALL HIGH WORKS TO COMPLY WITH CURRENT BUILDING REGULATIONS.
DIMENSIONS IN MILLIMTRES AND TO BE CHECKED ON SITE.
ALL DRAWS ARE DITMATTED AND TO BE CHECKED BEFORE ANY WORK COMMENCES
CLIENT TO GIVES PARTY WALL ACT NOTICE BEFORE WORK COMMENCES