

Section B-B General Arrangement

Wall Construction

External Cavity Wall
102.5 brick
125 cavity generally (Note Cavity size varies as shown)
100 7Nmm2 block in 1:1:6 mortar
215 Block Wall (215thk o/a collar jointed wall)
100 7Nmm2 block in 1:1:6 mortar
15 cavity (mortar filled - engineer to confirm)
100 7Nmm2 block in 1:1:6 mortar
140 Block Wall
140 7Nmm2 block in 1:1:6 mortar
Internal Block Wall
100 7Nmm2 block in 1:1:6 mortar (generally)
Wall ties to be stainless steel safety type at 450cs.
vertically and 750cs horizontal in standard staggered pattern,
& at 225 cs. vertical at door & window reveals.
Min class 2 to DD140 with 50mm embedment
All blocks below ground level to be dense concrete
block in 1:3 mortar
Inner leaf of all external cavity walls to be reinforced with
brickforce GBF4W60 at 450cs. vertical except where inner
leaf is backed by R.C. retaining wall where brickwork at 450cs.
vertically to be used.
All 215thk. block walls to be collar jointed with BRC CF35 W175
bed joint reinforcement at 450 cs. vertically to be used.
All bed joint reinforcement to have min 225mm laps.
Lintels to engineers detail
all lintels to have 150mm min. bearing
Install Horizontal DPC to both external wall leaf
150mm min above ground level where no Calite Wall below.
Vertical cavity closers to external door openings,
Cavity Tray Type H or similar.
Cavity tray type C for use over external window & door openings
with stop studs & cantilevers.
50mm Celotex 3050 insulation to cavity walls.

Basement Wall & Ground Bearing Slab
Calite waterproof concrete by Cement Aid to engineers
specification
Slab on 25mm Jabite Jabfloor 100 on 75thk. Gen 3 blinding on
subsoil
Slab reinforced to engineers specification.
M.C. strip footings & R.C. slab thickenings to engineers
specification.
All construction joints in concrete walls & slabs to contain
hydrophobic water stops.
Junction of steel & concrete to be spainted with bitumastic paint.
Steelwork to be painted in accordance with engineers steelwork
specification.
All steelwork which is 40mm or less from outer leaf to be
painted with 2 coats
bitumastic paint to 200 microns DFT.
All walls to be far face paint grade, apply 1no. mist coat & 2no.
coats of
vinyl matt emulsion.
Walls to office & entrance foyer areas to be lined with Gyproc
Duplex tapered
wall board, joints taped & filled seamless to receive 2.5mm thick
Thistle multi-finish plaster, painted 1no. mist coat & 2no. coats
of
vinyl matt emulsion.

Floor Construction

Basement Floor Generally
Atro vinyl sheet flooring on
Gyproc Screed Min 50mm
Sand & cement screed laid to fall in shower
area to shower drainage outlet
Ground Floor Generally
200mm thick precast concrete hollow core floor slabs to
engineers specification
Isocrete Gyproc screed to manufacturers recommended
minimum thickness
(65mm max when allowing for camber to precast concrete
floor).
Maintain a dry internal environment when laying screed, do not
allow screed to come into contact with additional moisture
during & after the curing process.
45mm Granwood Gransprung area elastic timber sports floor
laid by & in accordance with Granwood Flooring Systems.
25mm min thick timber skirting to perimeter to detail
Areas to sports store, office & stair well to be topped with
concrete
screed level with Gransprung floor.
Floor Construction First Floor Generally
12.5 timber floor joists in accordance with engineers specification
19mm plywood flooring or similar as approved by engineer
Screed fixed to joists to form floor base.
Finished covering to be Flotex Carpet to client approval.
2no. 12.5mm layers of Gyproc Duplex tapered Wall Board
taped seamless finish to receive Artex ceiling with broken
leather finish

Roof Construction

Marley bold roll interlocking tiles to match existing on
treated timber battens on Marley breather underlay on
(underlay vapour resistance to be lower than 0.25MvEq-1)
counter battens fixed to Haironville Tac TacTray system.
All perimeter tiles to be nailed or clipped.
Eaves tile supported on continuous strip ventilator.
Ridge tiles to include ridge ventilators bedded on dentil slips.
Solid bed third round hip tiles with single course of dentil slips
fully bedded laid into pas of tiles.
Verge tiles bedded onto 150mm wide undercloak or reinforced
cement strip, mortar bedding struck flush & neatly pointed.
Valley gutters to be fully supported metal formed, lead code 5 to
detail.
Haironville Tac TacTray 90 perforated with 50mm battens
fixed to
liners upstands.
140mm insulation to meet U value 0.25W/m2K. (Type TBC)
with
Lapped & sealed vapour barrier within liner.
Liner finish TBC.
EPDM washers to be used when securing trays to steel
structure.
foam fillers to eaves & ridge to ensure vapour tightness.
Internal integral ridge fastening.
TacTray supported on Purlins to engineers specification on
portal steel frame
@ max 3000cs.
230 E25 eaves beam fixed to stub section to eng. detail with 45
x 45
C leader rail to fix Eternit Fascia & master board soffit.
Marley rainwater gutter & downpipes to detail.

B	04 09 03	UB position adjusted at gable ends Stub sections along GL (A) & (G) increased in length to suit eaves condition TacTray abutting Willow shown for information Profile of Willow Building shown for information Stud wall construction to first floor lobby noted
A	01 09 03	Omit Aco drainage channel to shower area for Hammer type or similar Gyproc screed notation to basement added Sand & cement notation to shower added DPC/DPM bonded to calite note added Suspended ceiling note added Structural steels within GF slab zone added

General Notes

Drawings not to be scaled Contractor must verify all
dimensions on site before commencing work. Any
discrepancies to be reported to the architect. All
drawings are to be read in conjunction with all relevant
drawings and specifications
© Robert Ian Barnes Architects

Client

Bexwell Home Ltd.

tel: 020 8802 4109
fax: 020 8802 0523
e: -

Architect

Units 1 & 2
248 Ashburn Road
London W10 5YU UK
tel: +44 (0)20 8964 4700
fax: +44 (0)20 8964 3853
admin@robertbarnesarchitects.com
ARCHITECTS
ROBERT BARNES

Project

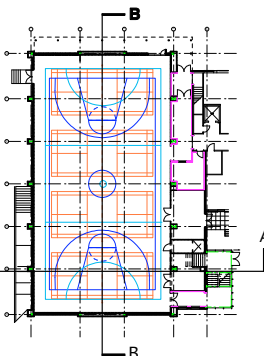
Hazlewood School

Title

General Arrangement
Section B-B

Jobno.	Scale	Rev
332	1:50 @A1	B
Date	Drawn by	Dwg.no
Aug. 03	PB	332/08/02

A3 COPY 1:100



PRELIMINARY ISSUE

Revision