

IN ABEYANCE

Lintel over vents TBC by Engineer

203 x 203 UC46 beyond

10.000 FFL Sports hall

Isocrete Gyvlon screed

9.890 SSL 200 thk PC hollow core slab

9.355 Suspended Ceiling Level beyond

9.055 Lowered Ceiling Level over W.C's only

DPC cavity tray required to close cavity at top of RC wall to prevent moisture ingress accross top of caltite through insulation to inner leaf

8.480 Top of Caltite Wall

Rev B
Laminate W.C cubicle &
No duct panels required
Soil pipe to be boxed in at low level

200thk. R.C. GROUND BEARING
SLAB WITH 1 LAYER A393 MESH
FABRIC TOP - 300mm LAPS.
WOOD FLOAT FINISH.

6.955 FFL Basement

6.905 SSL Basement

Rev B

9.980 TBC on site
Top of contrasting
stretcher course

IN ABEYANCE

External louvre exhaust vent with
shown indicative only
Louvre details to be made known
to architect
Cavity tray Type M DPC or
similar over vent

9.080 Bottom of ope for exhaust vent

Ground formation TBA

Line of ramp beyond

Retaining wall to ramp beyond
with railing shown indicatively

Filter drain in pea shingle surround
to engineer/drainage consultant
specification

Wall Construction

External Cavity Wall

102.5 brick
125 cavity generally (Note Cavity size varies as shown)
100 7N/mm2 block in 1:1:6 mortar

215 Block Wall (215thk o/a collar jointed wall)
100 7N/mm2 block in 1:1:6 mortar
15 cavity (mortar filled - engineer to confirm)
100 7N/mm2 block in 1:1:6 mortar

140 Block Wall
140 7N/mm2 block in 1:1:6 mortar

Internal Block Wall
100 7N/mm2 block in 1:1:6 mortar (generally)

Wall ties to be stainless steel safety type at 450cs.
vertically and 750cs. horizontal in standard staggerd pattern,
& at 225 cs. vertical at door & window reveals.
Min class 2 to DD140 with 50mm embedment

All blocks below groundlevel 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 RC retaining wall
where bricktor 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 Caltite 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 ends & caviweeps.

50mm Celotex 3050 insulation to cavity walls.

Basement Wall & Ground Bearing Slab
Caltite waterproof concrete by Cement Aid to engineers specification.
Slab on 25mm Jablite 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 joncrete walls & slabs to contain hydrophilic water stops.

Junction of steel & concrete to b epainted 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.

A

SECTION
Detail 21/09

2

DPC cavity tray required to close cavity at top of RC wall to prevent moisture ingress accross top of caltite through insulation to inner leaf

w.c duct

insulate locally behind clatite
where RC thickens & cavity insulation
can not be fixed.

Rev B Note
Omitting duct panel at grid
lines A2 & A3 reveal
insulation
shown internally to prevent
cold bridge due to reduced
cavity
at these locations.

PLAN
Detail 21/10

21/09

32621/05

SKETCH ISSUE
ONLY

FOR INFORMATION

A	14 11 03	Soldier course omitted Stretcher courses added Duct panel omitted
Re	Date	Change

Client

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Architect

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ARCHITECTS
ROBERT BARNES

Project

Hazlewood School

Title

External Wall Basement
Part Section
(Exhaust Vent)

Jobno. 332	Scale 1:20 @A3	Rev A
Date Oct 03	Drawn by PB	Dwg.no 332/21/05