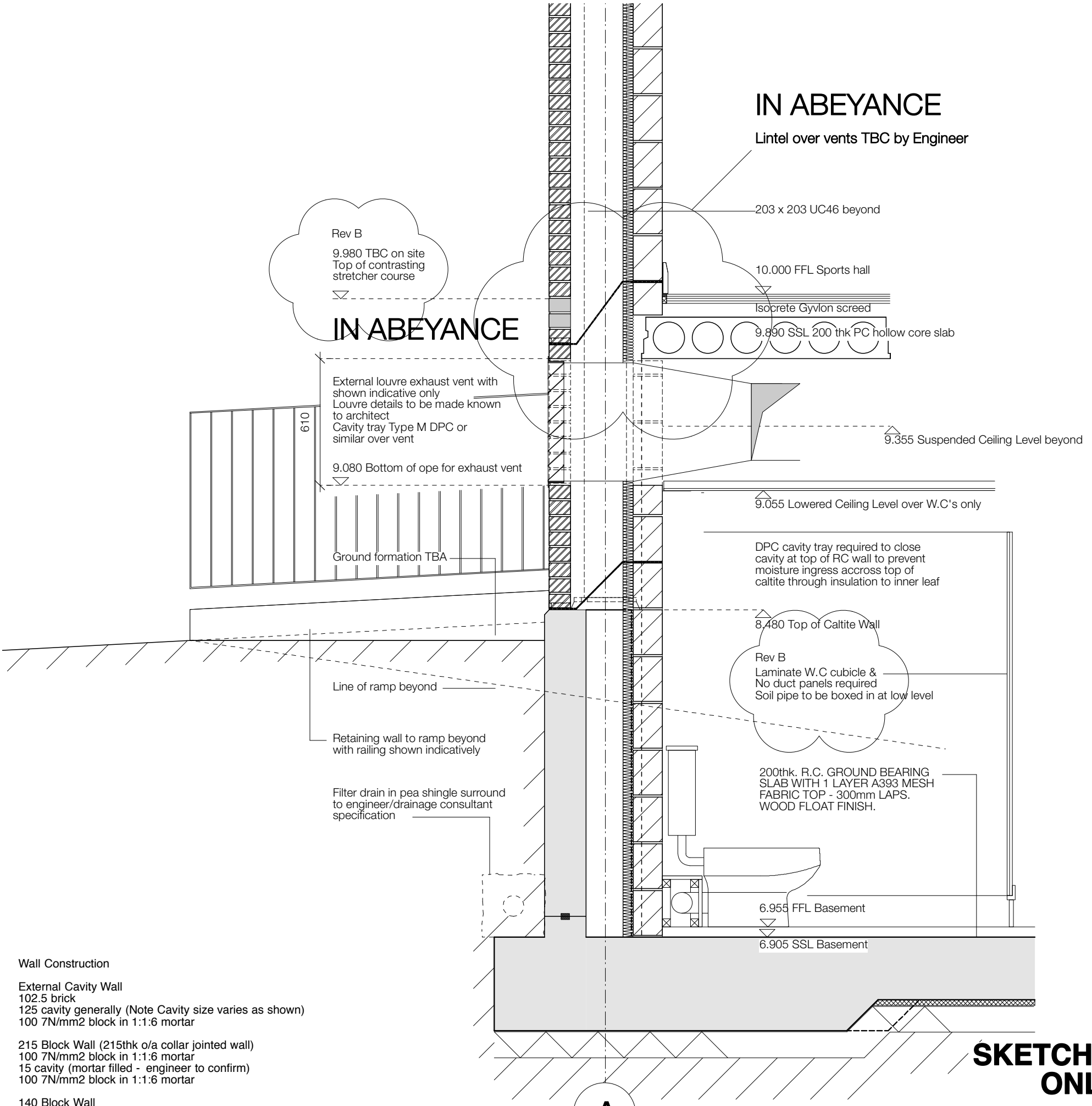


Wall Construction

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***




***PLAN***
***Detail 21/10***

21/09
326/21/05

**SKETCH ISSUE ONLY**

**FOR INFORMATION**

| Re | Date | Change |
|---|---|---|
| A | 14 11 03 | Soldier course omitted<br>Stretcher courses added<br>Duct panel omitted |


Client

R DURTNELL & SONS

tel: 0195 956 4105
fax: 0195 956 4756
e: -

Architect

Units 1 & 2
246 Acklam Road
London W10 5YG UK

tel: +44 (020) 8964 4700
fax: +44 (020) 8964 3833
admin@robertbarnesarchitects.com

ARCHITECTS
ROBERT BARNES


Project

Hazlewood School

Title

External Wall Basement
Part Section
(Exhaust Vent)

| Jobno. | Scale | Rev |
|---|---|---|
| 332 | 1:20 @A3 | A |

| Date | Drawn by | Dwg.no |
|---|---|---|
| Oct 03 | PB | 332/21/05 |