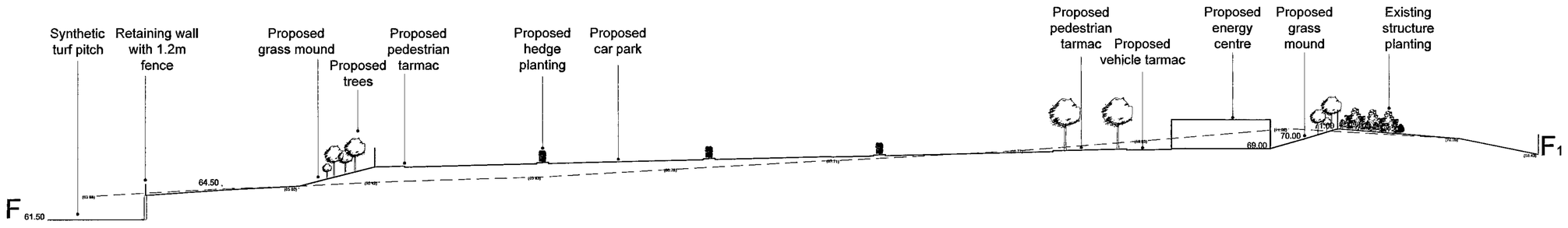
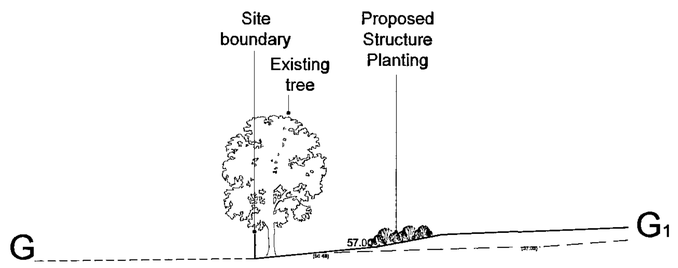


Section E-E

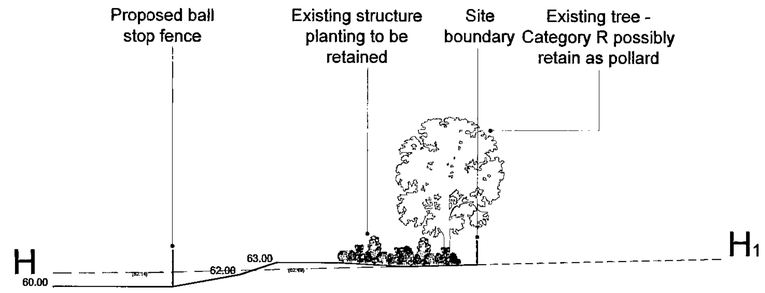


Section F-F

Location Plan - 1:2000



Section G-G



Section H-H

Barnsley Metropolitan Borough Council
21 OCT 2009
Corporate Mail Room

REV.	DESCRIPTION.	DATE.	REV.	DESCRIPTION.	DATE.

NOTES
Existing section lines shown dashed.
Proposed section lines shown solid.
Existing spot levels shown in brackets.
Proposed spot levels shown without brackets.
Existing trees shown indicatively.

Barnsley Partnership For Learning

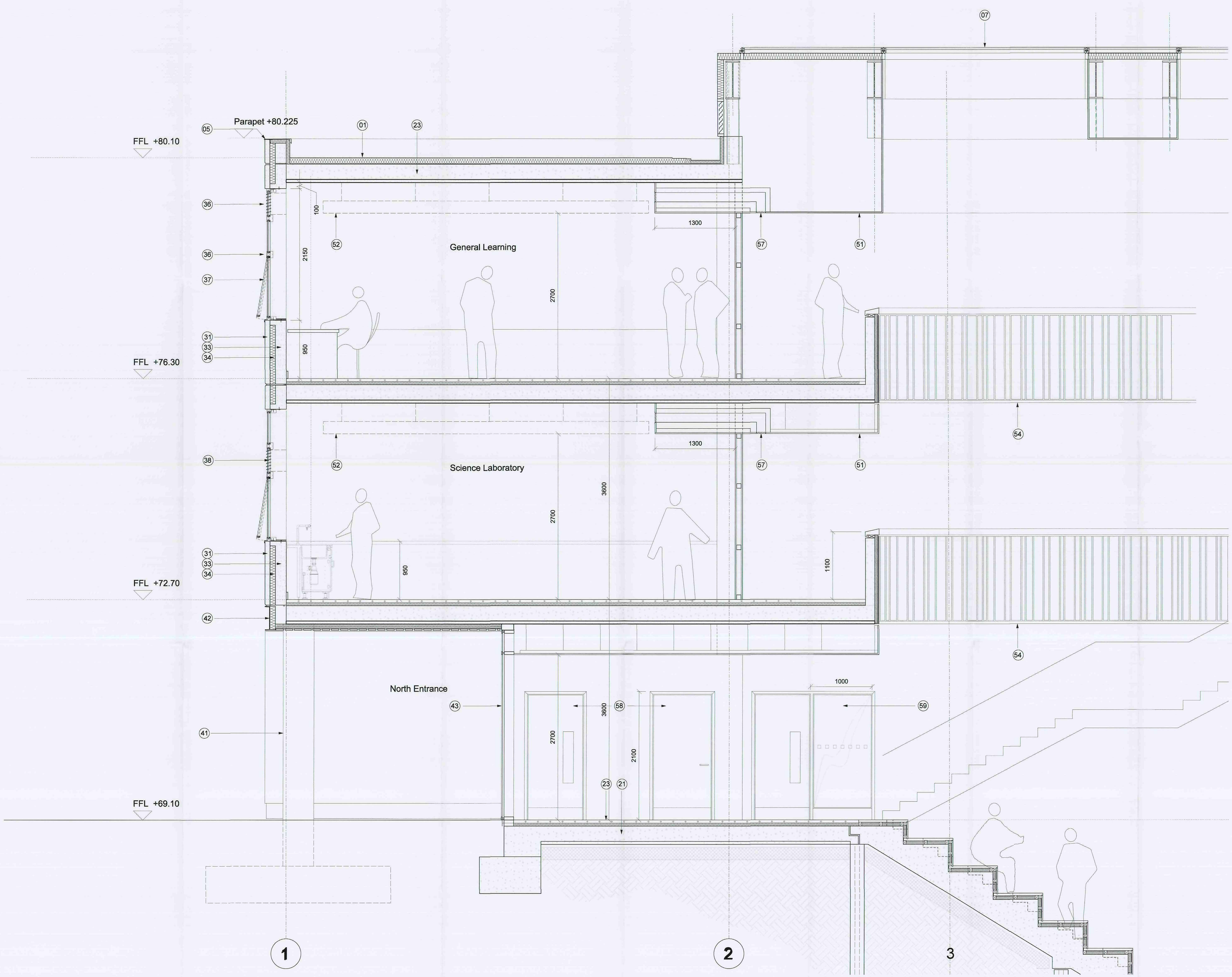
Design Risk Management Reference: BP4L_SHA_AWP_RA_94_BW_LL_01

awp

PROJECT: Barnsley BSF - Shafton School
DRAWING TITLE: Site Sections 2 of 2
DRAWING No.: BP4L_SHA_AWP_DR_94_BW_LL_09 P02
SCALE (A1): 1:250
DATE: 19-10-2009
DRAWN: LS
CHKD: JH

Anthony Walker and Partners Limited, 10 Summerhill Terrace, Newcastle upon Tyne, NE4 6EB
Tel: 0191 233 0188 Fax: 0191 261 1527 Email: info@awpenvironment.co.uk www.awpenvironment.co.uk

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NOTES

01 Single Ply Membrane on tapered insulation

02 Reinforced Walkway, Integral with Roof Membrane to all maintenance access routes

03 Balustrading to enclose all maintenance access walkways

04 Single Ply Membrane on Tapered Insulation on Perforated Structural Profile Deck with integral Acoustic mat to SRL requirements.

05 Polyester Powder Coated, secret fix aluminium coping system

06 Composite panels to vertical roof faces

07 Polyester powder coated roof glazing system with a mixture of solar controlled glazing and solid insulated cladding panels (see roof plan) horizontal joints to be capless to facilitate clear draining

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09 Siphonic rainwater system to specialist subcontractors design

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31 7.8m x 3.6m x 80mm thick Black Pre-Cast concrete panels. Panel cast with 2/162 Sacramento, Reckli mould

32 7.8m x 3.6m x 80mm thick Black Pre-Cast concrete panels. Panel smooth finish

33 7.8m x 3.6m x 175mm thick precast structural concrete panel

34 88mm panel infill insulation to achieve a U value of ____

35 Internally exposed precast concrete wall finish

36 Aluminium window system

37 Double glazed unit with solar control glass where required

38 Translucent polycarbonate cladding system to maximise natural daylight

39 Timber or Metal External Soffit boarding (Fire treated to Class 'O' below 3.0m only)

40 External PPC Aluminium Flat Soffit panel system

41 500mm Ø Smooth finish concrete column

43 Polyester Powder Coated Vertical Curtain Walling with Solar Control Glazing and Spandrel Panels

44 Vertical Profile Composite Panel

51 Suspended ceiling / bulkhead

52 Floating service raft with acoustic absorption

53 Skirting

54 Acoustic absorption material

55 Perforated plasterboard for acoustic absorption

56 Metal balustrading to bridge links to maximise daylight penetration

57 Attenuated cross talk louvres to Mechanical Engineers Design & Specification

58 Internal doors

59 Glazed side screen to main circulation and classroom doors

P05	Submitted for planning	CB	MC	14/10/09
P04	Pre - Planning Comment	IRJ	MC	06/10/09
P03	General updates for the Stage 'D' Report	IRJ	MC	05/10/09
P02	Bulkheads Service Rafts and Ventilation clarified	IRJ	MC	17/09/09
FIRST ISSUE		IRJ	MC	11/09/09

REVISION DESCRIPTION | DRAWN | CHECKED | DATE

KEY PLAN

CLIENT LOGO

Barnsley Partnership For Learning

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Barnsley Metropolitan Borough Council
2 1 OCT 2009
Corporate mail room

PROJECT TITLE
Shafton Advanced Learning Centre

PROJECT NUMBER
P2003083

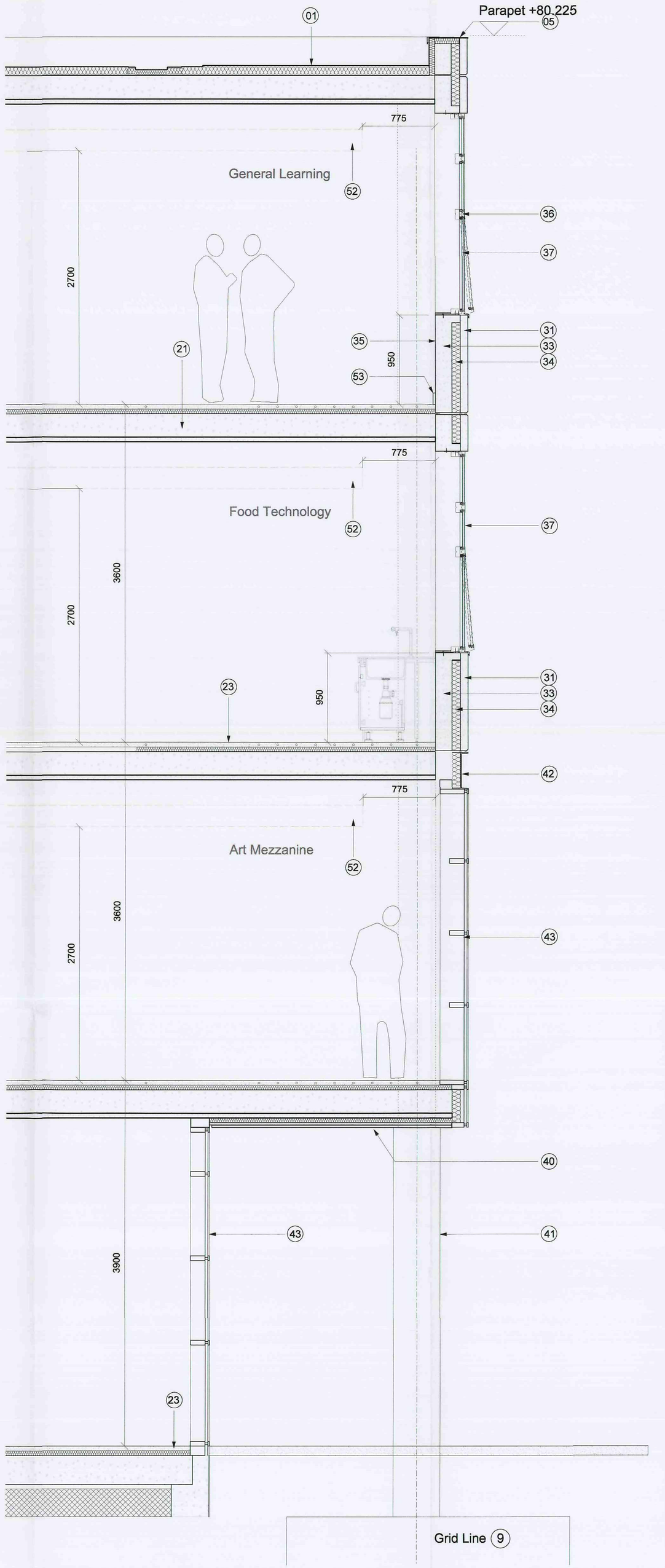
DRAWING TITLE
Detailed Sections
North Facade 2

SCALE
1:20@A0

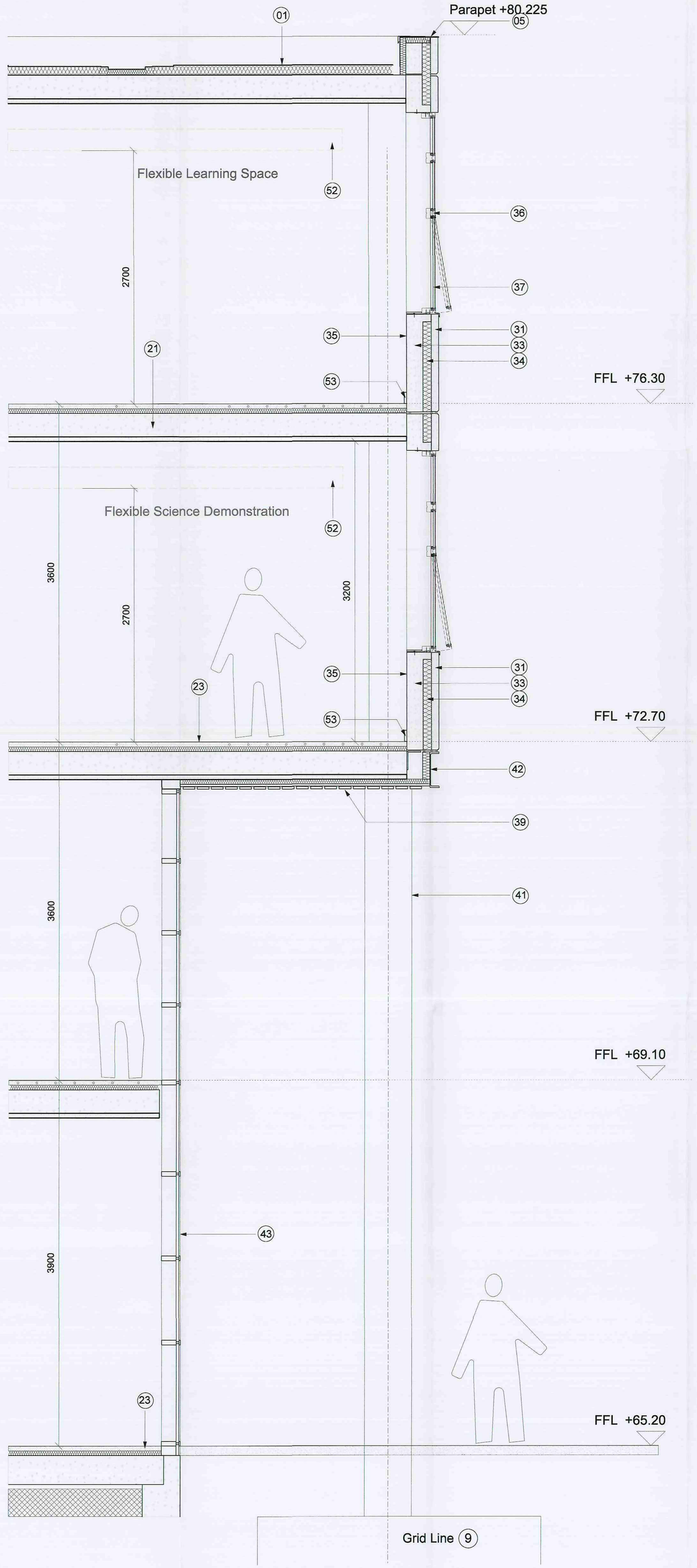
DATE
19.06.09

DRAWING NO.
BP4L_SHA_BDP_DR_20_BW_LL_03

REVISION
P05



Grid Line 9



Grid Line 9

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58 Internal doors

59 Glazed side screen to main circulation and classroom doors

P09	Submitted for planning	CB	MC	14/10/09
P08	Pre - Planning Comment	IRJ	MC	06/10/09
P07	Spec Notes rationalised across drawings General Updates to sections. Stage 'D' Issue	IRJ	MC	05/10/09
P05	External wall reinstated as concrete panels as LOR instruction 11/04/09. Column and grid setting out maintained at 200mm offset.	IRJ	MC	14/09/09
FIRST ISSUE		SH	MC	22/06/09

REVISION DESCRIPTION | ORIGIN | CHECKED | DATE

KEY PLAN

CLIENT LOGO

Barnsley Partnership For Learning

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Barnsley Metropolitan
2 JULY 2009
Corporate Services

PROJECT TITLE
Shafton Advanced Learning Centre

PROJECT NUMBER
P2003083

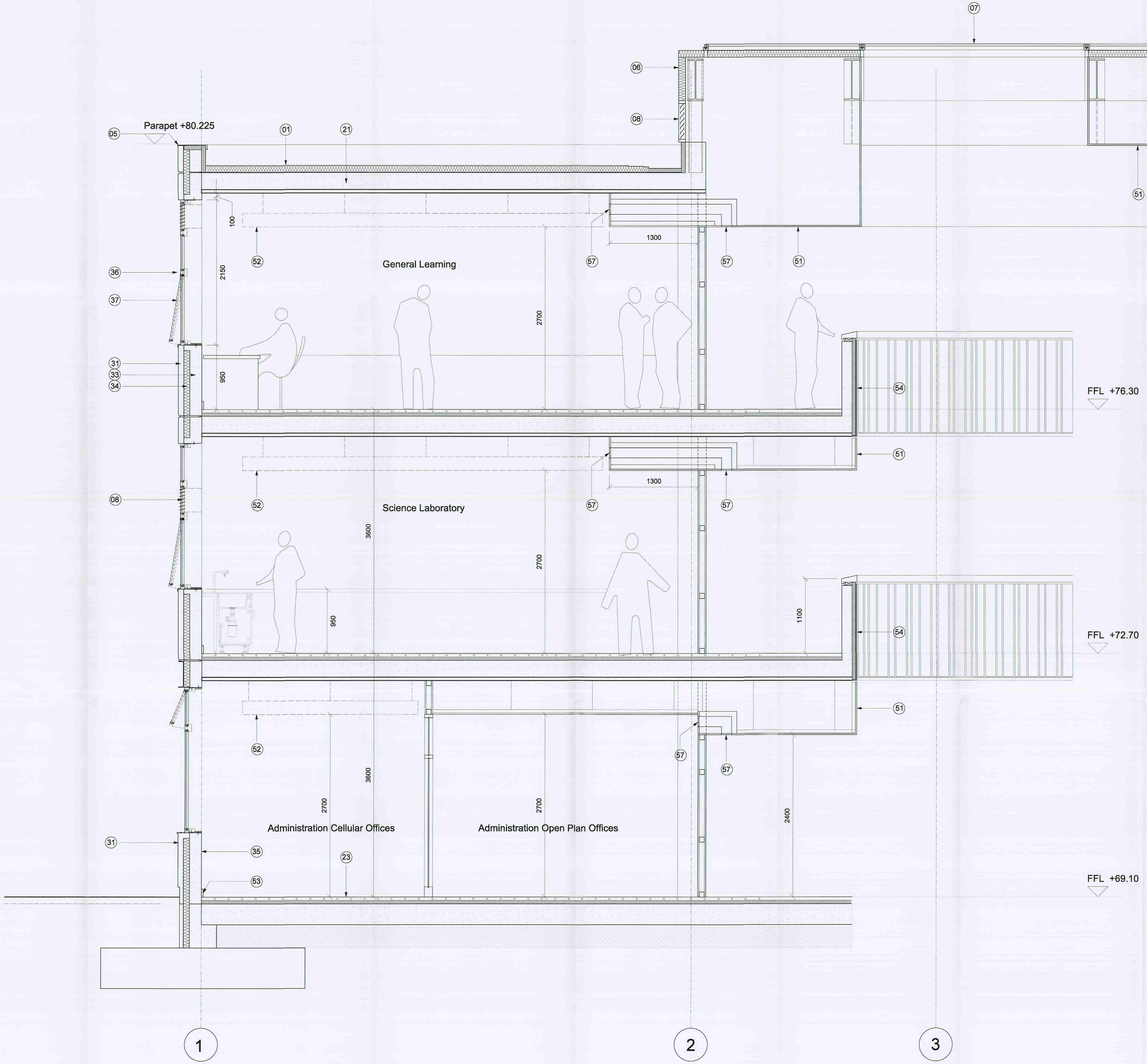
DRAWING TITLE
Detailed Sections
South Facade

SCALE
1:20@A1

DATE
19.06.09

DRAWING NO.
BP4L_SHA_BDP_DR_20_BW_LL_02

REVISION
P09



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P09	Submitted for planning	CB	MC	14/10/09
P08	Pre - Planning Comment	IRJ	MC	06/10/09
P07	Spec notes rationalised across drawings General Updates to section. Stage 'D' Issue	IRJ	MC	05/10/09
P06	Bulkheads Service Rafts and Ventilation clarified	IRJ	MC	17/09/09
P05	External Wall to Grid Setting out modified Roof Falls modified	IRJ	MC	11/09/09
FIRST ISSUE		SH	MC	22/06/09

REVISION DESCRIPTION | DRAWN | CHECKED | DATE

KEY PLAN

CLIENT LOGO

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Barnsley Metropolitan
21 OCT 2009
Corporate Property Unit

PROJECT TITLE
Shafton Advanced Learning Centre

PROJECT NUMBER
P2003083

DRAWING TITLE
Detailed Sections
North Facade

SCALE
1:20@A0

DATE
19-06-09

DRAWING NO.
BP4L_SHA_BDP_DR_20_BW_LL_01

REVISION
P09



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REVISION / DESCRIPTION | DRAWN | CHECKED | DATE

REVISION / DESCRIPTION	DRAWN	CHECKED	DATE
P07 Submitted for planning	SH	MC	06.10.09
P06 Stage D Issue	SH	MC	05.10.09
P05 Notes added	PHK	MC	18.09.09
P04 Minor Updates	PHK	MC	17.09.09
P03 Updated to reflect latest GA Plans	PHK	MC	14.09.09
P02	JW	MC	06.07.09
FIRST ISSUE	JW	MC	22.06.09

KEY PLAN

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21 OCT 2009
Corporate mail room

PROJECT TITLE: Shafton Advanced Learning Centre

PROJECT NUMBER: P2003083

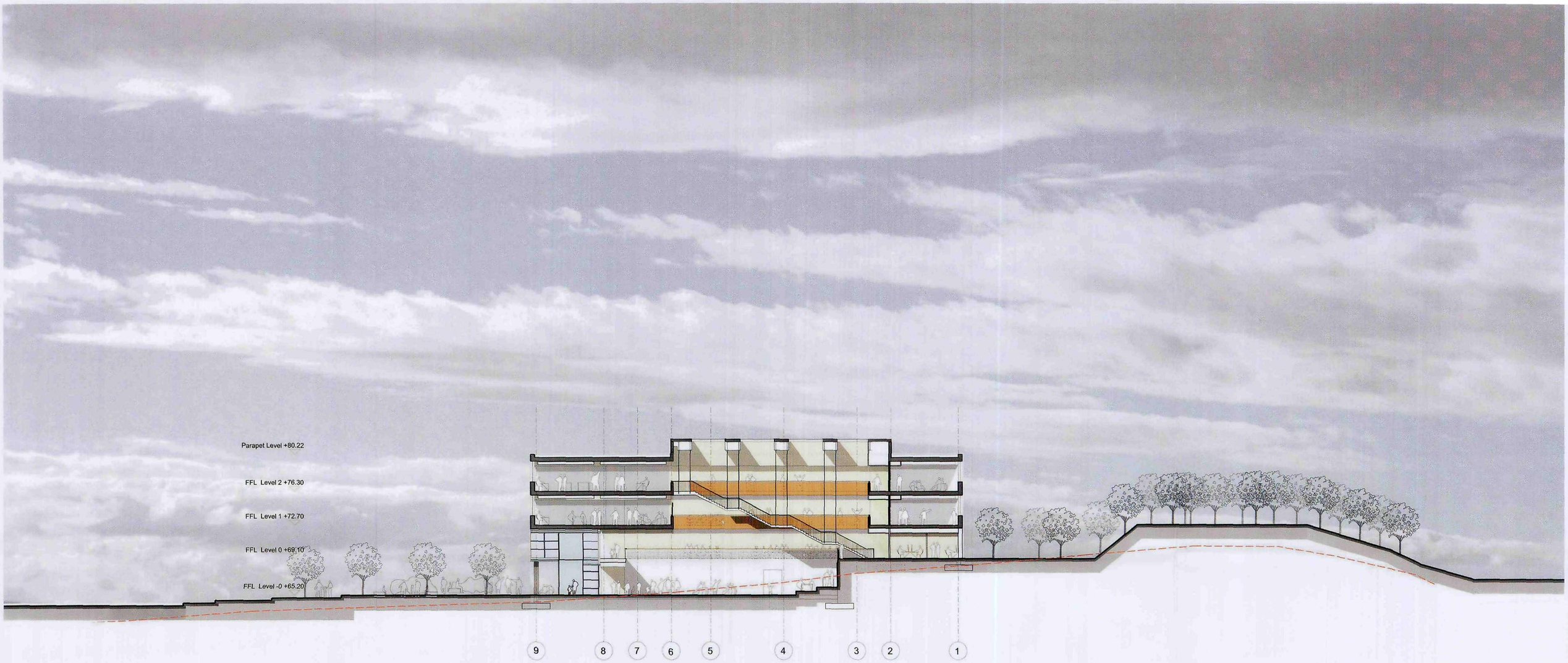
DRAWING TITLE: General Arrangement Section East West Through Heartspace

SCALE: 1:200@A1

DATE: 22.06.09

DRAWING No: BP4L_SHA_BDP_DR_06_BW_LL_11

REVISION: P07



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REVISION DESCRIPTION	DRAWN	CHECKED	DATE
P06 Submitted for planning	CB	MC	06.10.09
P05 Stage D Issue	CB	MC	05.10.09
P04 Note amended	PHK	MC	18.09.09
P03 Updated to reflect latest GA plans	PHK	MC	14.09.09
P02	JW	MC	06.07.09
FIRST ISSUE	JW	MC	22.06.09

KEY PLAN

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PROJECT TITLE: Shafton Advanced Learning Centre

PROJECT NUMBER: P2003083

DRAWING TITLE: General Arrangement Section North South Through Dining Hall

SCALE: 1:200@A1

DATE: 22.06.09

DRAWING No: BP4L_SHA_BDP_DR_06_BW_LL_03

REVISION: P06



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REVISION / DESCRIPTION	DRAWN	CHECKED	DATE
P05 Submitted for planning	SH	MC	06.10.09
P04 Stage D Issue	SH	MC	05.10.09
P03 Updated to reflect latest GA Plans	PHK	MC	11.09.09
P02	JW	MC	06.07.09
FIRST ISSUE	JW	MC	22.06.09

KEY PLAN

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PROJECT TITLE: Shafton Advanced Learning Centre

PROJECT NUMBER: P2003083

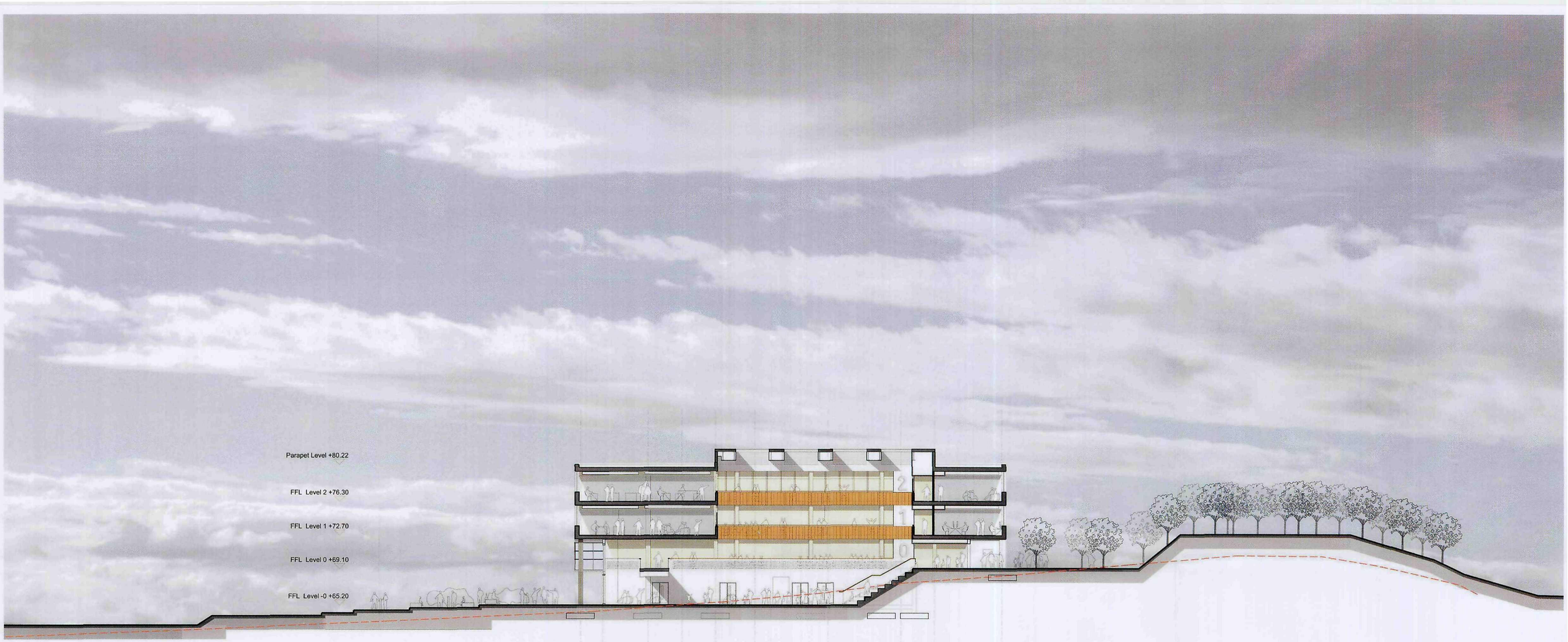
DRAWING TITLE: General Arrangement Section
Section Through Lecture Theatre

SCALE: 1:200@A1

DATE: 22.06.09

DRAWING No: BP4L_SHA_BDP_DR_06_BW_LL_02

REVISION: P05



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REVISION / DESCRIPTION	DRAWN	CHECKED	DATE
P06 Submitted for planning	CB	MC	06.10.09
P05 Stage D Issue	CB	MC	05.10.09
P04 Note added	PHK	MC	18.09.09
P03 Updated to reflect latest GA Plans	PHK	MC	14.09.09
P02	JW	MC	06.07.09
FIRST ISSUE	JW	MC	22.06.09

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PROJECT TITLE: Shafton Advanced Learning Centre

PROJECT NUMBER: P2003083

DRAWING TITLE: General Arrangement Section North South Through Hall

SCALE: 1:200@A1

DATE: 22.06.09

DRAWING No: BP4L_SHA_BDP_DR_06_BW_LL_01

REVISION: P06



Black
2/162 Sacramento
Redfi formliner

Stone coloured concrete
smooth.

Orange Render
Smooth finish

Wind Catchers
Sulphur Yellow

Kawneer windows
Solar glass (where required)
Frame colour RAL 7016

Actuated windows
Frame colour RAL 2011
Deep Orange

Black
Concrete

Translucent Cladding
Polycarbonate

Timber Cladding

Acoustic Attenuated Louvres
RAL 7035

Opaque enamelled glass
Mid Grey

Frame colour RAL 7016

Kawneer Curtain Walling
Solar glass (where required)
Frame colour RAL 7035

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REVISION / DESCRIPTION	DRAWN	CHECKED	DATE
P08 Submitted for planning	CB	MC	14.10.09
P07 Pre - Planning Comment	CB	MC	14.10.09
P06 Stage D Issue	SH	MC	05.10.09
P05 Minor Amendments	PHK	MC	14.09.09
P04 Height of Sports Block amended	CB	MC	14.09.09
P03	SH	MC	27.08.09
P02	SH	MC	06.07.09
FIRST ISSUE	SH	MC	19.06.09

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21 OCT 2009
Corporate Mail Room

PROJECT TITLE
Shafton Advanced Learning Centre

PROJECT NUMBER
P2003083

DRAWING TITLE
General Arrangement Elevation
West Facade

SCALE
1:200@A1

DATE
19.06.09

DRAWING No.
BP4L_SHA_BDP_DR_05_BW_LL_04

REVISION
P08



Black
2/162 Sacramento
Reckli formliner

Stone coloured concrete
smooth.

Orange Render
Smooth finish

Wind Catchers
Sulphur Yellow

Kawneer windows
Solar glass (where required)
Frame colour RAL 7016

Actuated windows
Frame colour RAL 2011
Deep Orange

Black
Concrete

Translucent Cladding
Polycarbonate

Timber Cladding

Acoustic Attenuated Louvres
RAL 7035

Opaque enamelled glass
Mid Grey

Frame colour RAL 7016

Kawneer Curtain Walling
Solar glass (where required)
Frame colour RAL 7035

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REVISION	DESCRIPTION	DRAWN	CHECKED	DATE
P09	Submitted for planning	CB		14.10.09
P08	Pre - Planning Comment	CB		14.10.09
P07	Stage D Issue	SH		05.10.09
P06	Minor Amendments	PHK		17.09.09
P05	Height of Sports Block amended and change to Concrete Panel	CB		14.09.09
P04	Rendered Finish	SH		11.09.09
P03	Concrete Panel Finish	SH		27.08.09
P02		SH		06.07.09
FIRST ISSUE		SH		19.06.09

KEY PLAN

Barnsley Partnership For Learning

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Barnsley Metropolitan Borough Council
21 OCT 2009
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PROJECT TITLE: Shafton Advanced Learning Centre

PROJECT NUMBER: P2003083

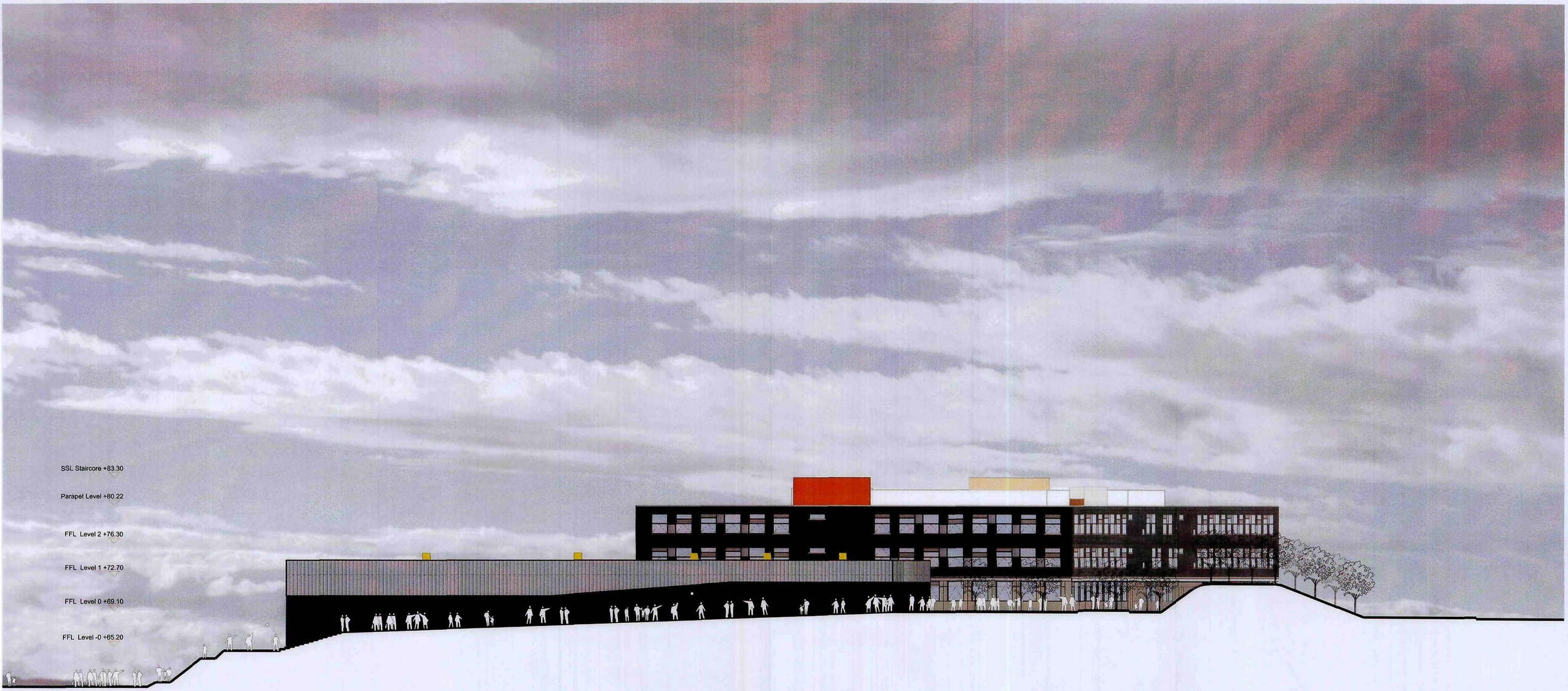
DRAWING TITLE: General Arrangement Elevation South Facade

SCALE: 1:200@A1

DATE: 19.06.09

DRAWING NO: BP4L_SHA_BDP_DR_05_BW_LL_03

REVISION: P09



Black
2162 Sacramento
Reckli formliner

Stone coloured concrete smooth.

Orange Render
Smooth finish

Wind Catchers
Sulphur Yellow

Kawneer windows
Solar glass (where required)
Frame colour RAL 7016

Actuated windows
Frame colour RAL 2011
Deep Orange

Black
Concrete

Translucent Cladding
Polycarbonate

Timber Cladding

Acoustic Attenuated Louvres
RAL 7035

Opaque enamelled glass
Mid Grey

Frame colour RAL 7016

Kawneer Curtain Walling
Solar glass (where required)
Frame colour RAL 7035

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REVISION / DESCRIPTION		DRAWN	CHECKED	DATE
P08	Submitted for planning	CB	MC	14.10.09
P07	Pre - Planning Comment	CB	MC	14.10.09
P06	Stage D Issue	SH	MC	05.10.09
P05	Minor Amendments	PHK	MC	17.09.09
P04	Height of Sports Block amended	CB	MC	14.09.09
P03	Concrete Panel finish	SH	MC	27.08.09
P02		SH	MC	06.07.09
FIRST ISSUE		SH	MC	19.06.09

KEY PLAN

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PROJECT TITLE: Shafton Advanced Learning Centre

PROJECT NUMBER: P2003083

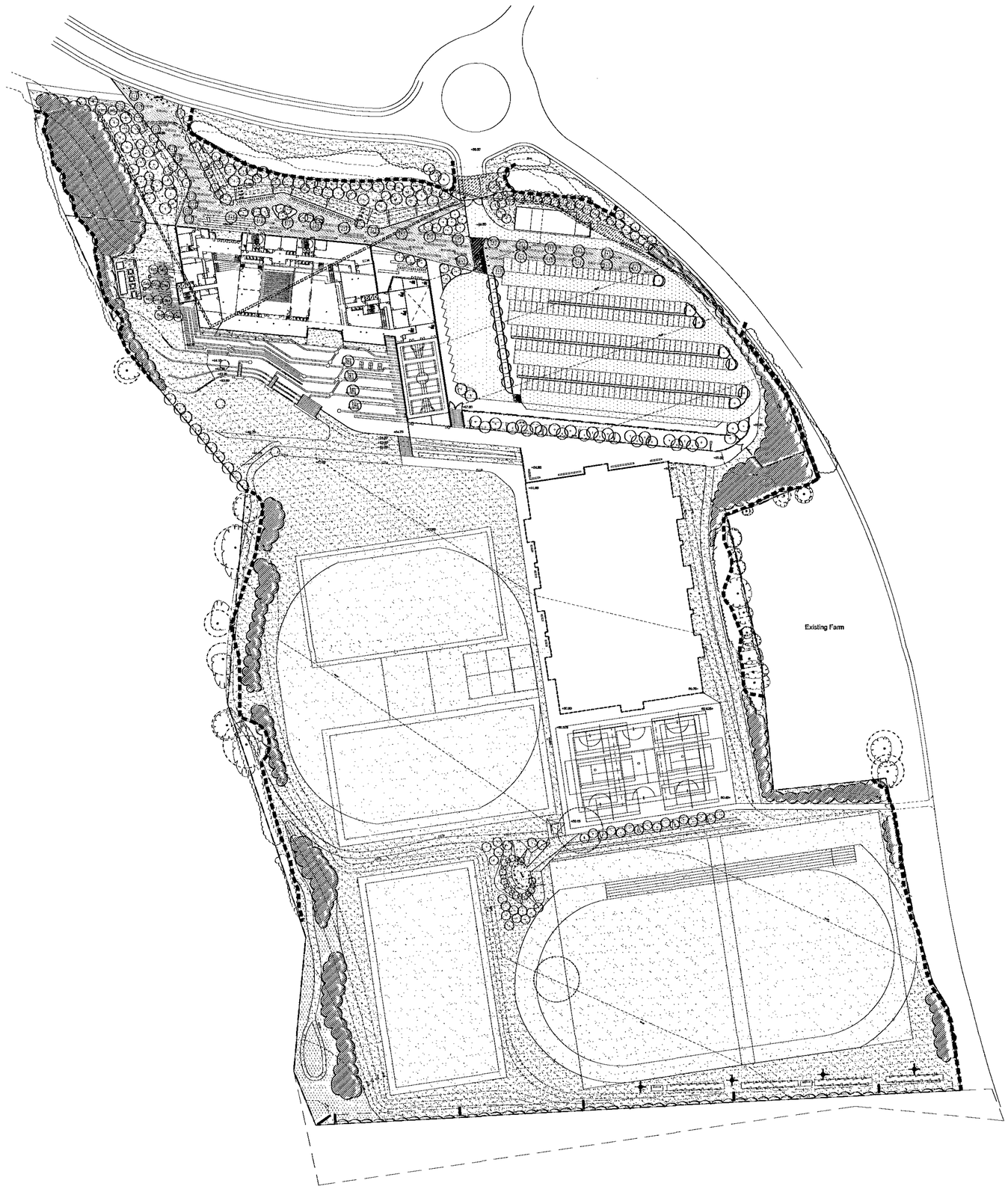
DRAWING TITLE: General Arrangement Elevation East Facade

SCALE: 1:200@A1

DATE: 19.06.09

DRAWING NO: BP4L_SHA_BDP_DR_05_BW_LL_02

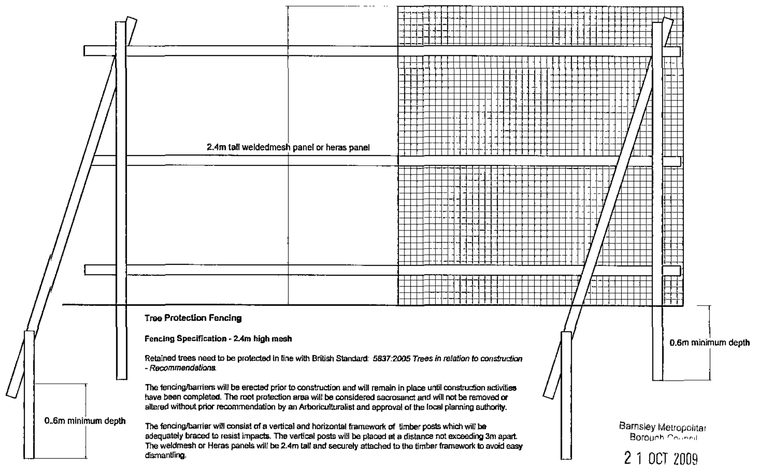
REVISION: P08



LEGEND

- Existing tree to be retained
- **Existing tree to be removed**
  Trees will be retained where possible
- Existing hedge to be retained
- Existing structure/hedge planting to be removed
- **Root protection zone**
  Where construction works are required close to, or within the Root Protection Zones, details in accordance with BS5837:2005 will be provided to the BMBC Landscape Officer for comment and approval prior to commencement on site.
- **Proposed alignment of tree protection fencing.**
  Erection of the fence and any works required close to/within the tree protection zone will be undertaken in accordance with BS5837:2005

  NB. Some lengths of fence may be downgraded to chestnut pale fence where existing vegetation is not at risk from construction works. To be agreed with Barnsley MBC Landscape Officer on site.



Tree Protection Fencing

Fencing Specification - 2.4m high mesh

Retained trees need to be protected in line with British Standard: *5837:2005 Trees in relation to construction - Recommendations*.

The fencing/barriers will be erected prior to construction and will remain in place until construction activities have been completed. The root protection area will be considered sacrosanct and will not be removed or altered without prior recommendation by an Arboriculturalist and approval of the local planning authority.

The fencing/barrier will consist of a vertical and horizontal framework of timber posts which will be adequately braced to resist impacts. The vertical posts will be placed at a distance not exceeding 3m apart. The weldmesh or Heras panels will be 2.4m tall and securely attached to the timber framework to avoid easy dismantling.

No fixing will be made to any tree and appropriate measures will be taken to prevent damage to tree roots when locating the posts. All types of barriers wil be firmly attached to prevent movement by site personnel or vehicles and all weather signs with the wording "Construction exclusion zone- keep out" will be attached.

Fencing will be regularly inspected for damage or loosening of fixings and repaired promptly.

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REV.	DESCRIPTION.	DATE.
P01	Preliminary Issue.	07.09.09
P02	Preliminary Issue.	07.09.09
P03	Notes added to key.	17.09.09
P04	Ex. hedges to be removed added and existing planting along Engine Lane shown. Graphics amended.	08.10.09

REV.	DESCRIPTION.	DATE.

Barnsley Partnership For Learning

Design Risk Management Reference: BP4L_SHA_AWP_RA_94_BW_LL_01

PROJECT: Barnsley BSF - Shafton School

DRAWING TITLE: Tree Protection Drawing

DRAWING No.: BP4L_SHA_AWP_DR_94_BW_LL_05 P05 | SCALE (A1): 1:1000 | DATE: 19-10-2009 | DRAWN: JW | CHKD: JH

Anthony Walker and Partners Limited, 10 Summerhill Terrace, Newcastle upon Tyne, NE4 6EB
Tel: 0191 233 0188 Fax: 0191 261 1527 Email: info@awpenvironment.co.uk www.awpenvironment.co.uk

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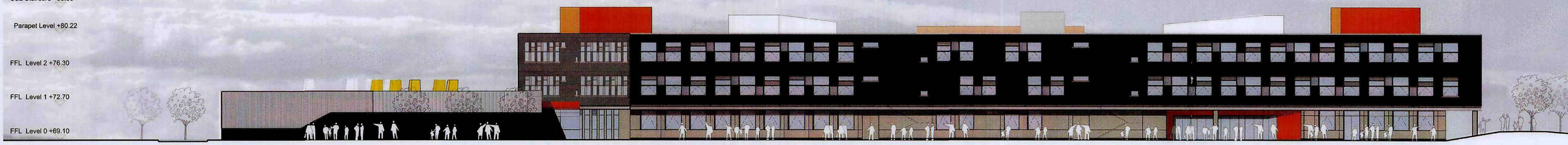
SSL Staircore +83.30

Parapet Level +80.22

FFL Level 2 +76.30

FFL Level 1 +72.70

FFL Level 0 +69.10



Black
2/162 Sacramento
Rockit formliner

Stone coloured concrete
smooth.

Orange Render
Smooth finish

Wind Catchers
Sulphur Yellow

Kawneer windows
Solar glass (where required)
Frame colour RAL 7016

Actuated windows
Frame colour RAL 2011
Deep Orange

Black
Concrete

Translucent Cladding
Polycarbonate

Timber Cladding

Acoustic Attenuated Louvres
RAL 7035

Opaque enamelled glass
Mid Grey

Frame colour RAL 7016

Kawneer Curtain Walling
Solar glass (where required)
Frame colour RAL 7035

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P07	Submitted for planning	CB		14.10.09
P06	Pre - Planning Comment	CB		14.10.09
P05	Stage D Issue	SH		05.10.09
P04	Height of Sports Block amended	CB		14.09.09
P03	Concrete Panel Finish	SH		27.08.09
P02		SH		06.07.09
FIRST ISSUE		SH		19.06.09

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PROJECT TITLE
Shafton Advanced Learning Centre

PROJECT NUMBER
P2003083

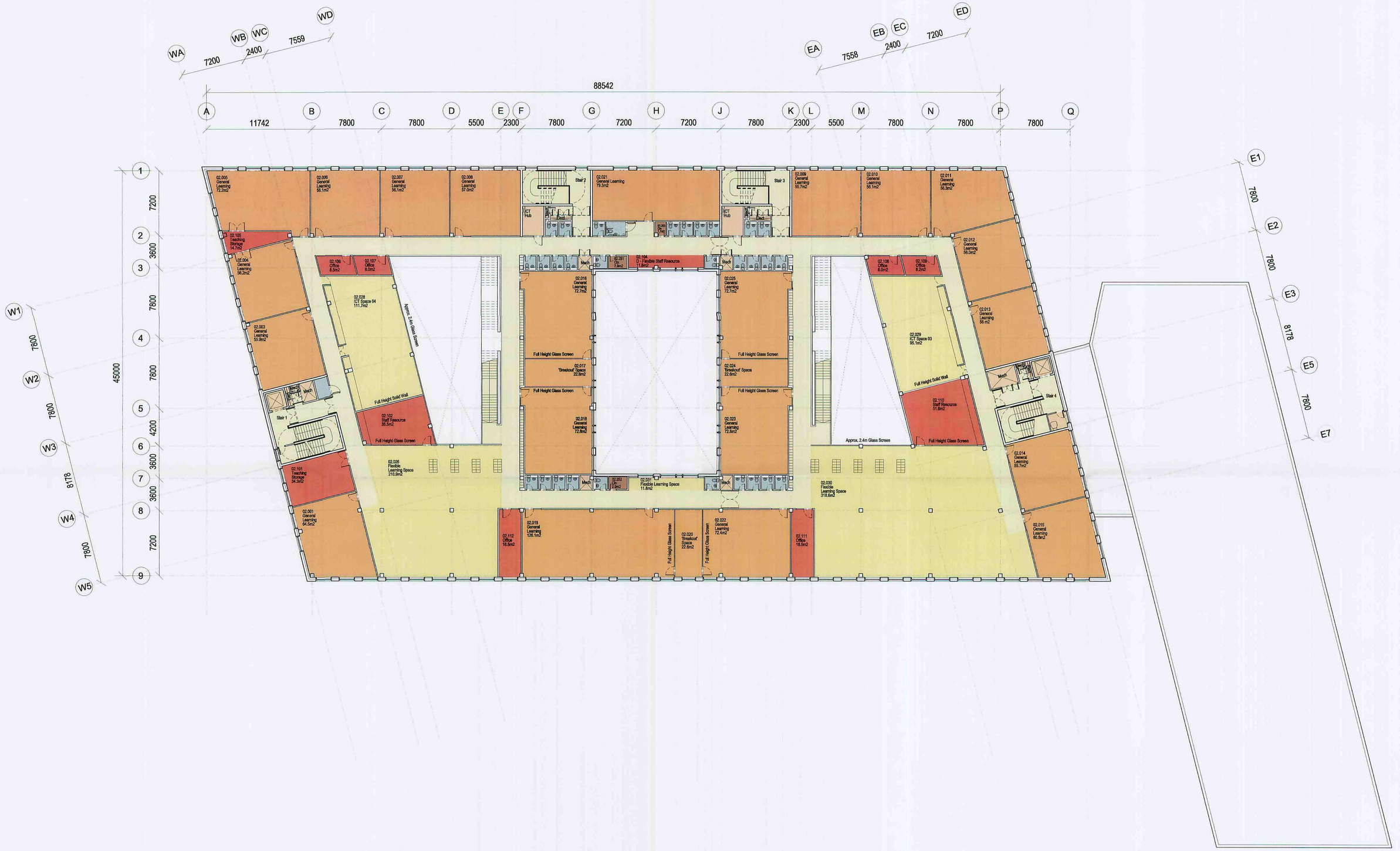
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General Arrangement Elevation
North Facade

SCALE
1:200@A1

DATE
19.06.09

DRAWING No
BP4L_SHA_BDP_DR_05_BW_LL_01

REVISION
P07



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P10	Submitted for planning	CB	MC	14.10.09
P09	Incorporates 'Variant B' & Comments from Engagement 13.10.09	CB	MC	13.10.09
P08	Pre - Planning Comment	CB	MC	06.10.09
P07	Stage D Issue	CB	MC	05.10.09
P06	Minor amendments see cloud	PHK	MC	17.09.09
P05	See clouded for amendments	CB	MC	14.09.09
P04	Minor Amendments	CB	MC	11.09.09
P03	See clouded for amendments	SH	MC	09.09.09
FIRST ISSUE		JW	MC	19.06.09

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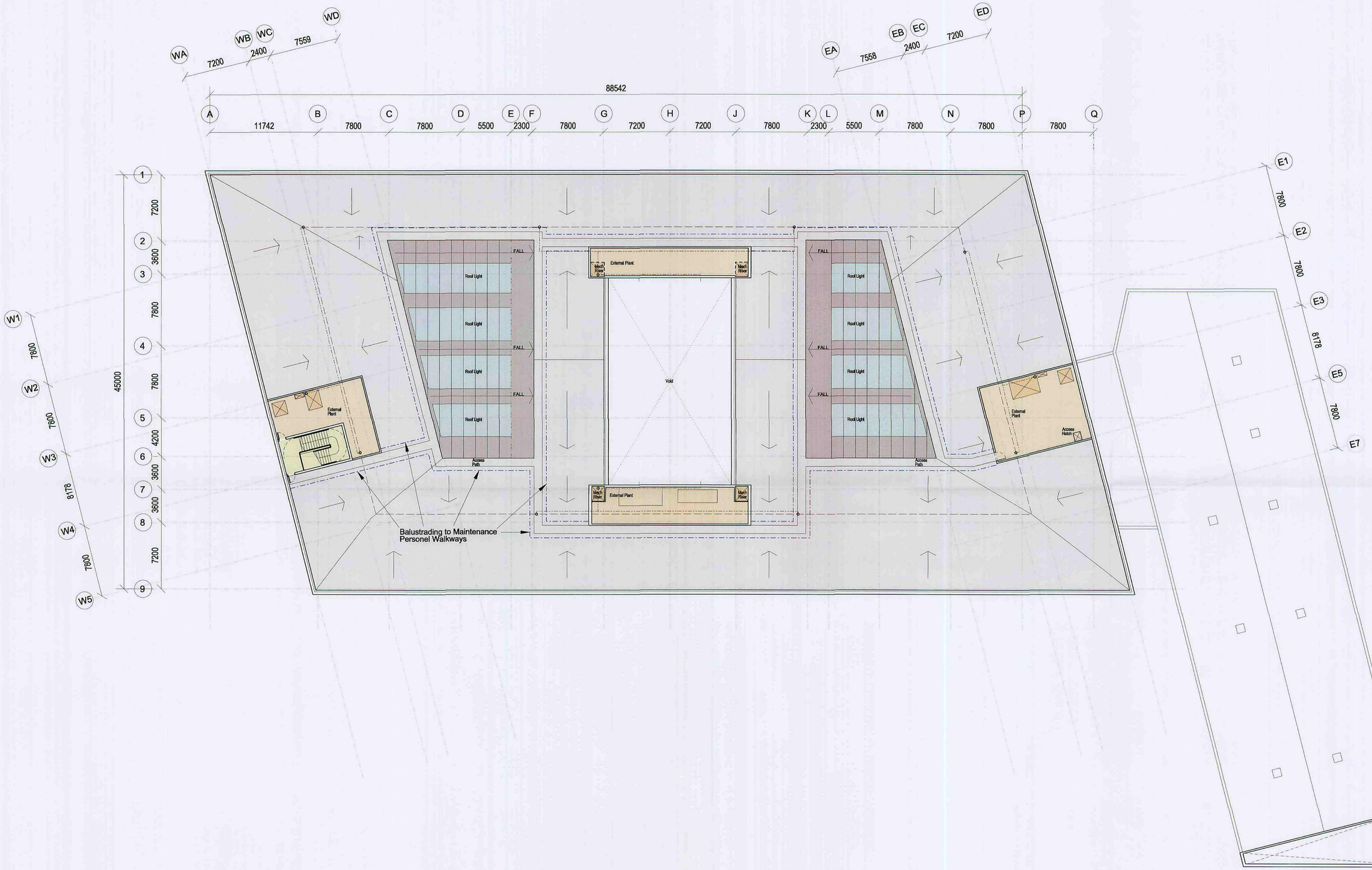
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SCALE: 1:200@A1

DATE: 19.06.09

DRAWING No.: BP4L_SHA_BDP_DR_04_BW_02_01

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P08	Submitted for Planning	CB	MC	06.10.09
P07	Stage D Issue	CB	MC	05.10.09
P06	Note amended	PHK	MC	18.09.09
P05	Note Added	PHK	MC	17.09.09
P04	See clouded for amendments	CB	MC	14.09.09
P03	Roof drainage strategy + falls added	IJ	MC	11.09.09
P02	See clouded for amendments	SH	MC	09.09.09
FIRST ISSUE		JW	MC	03.07.09

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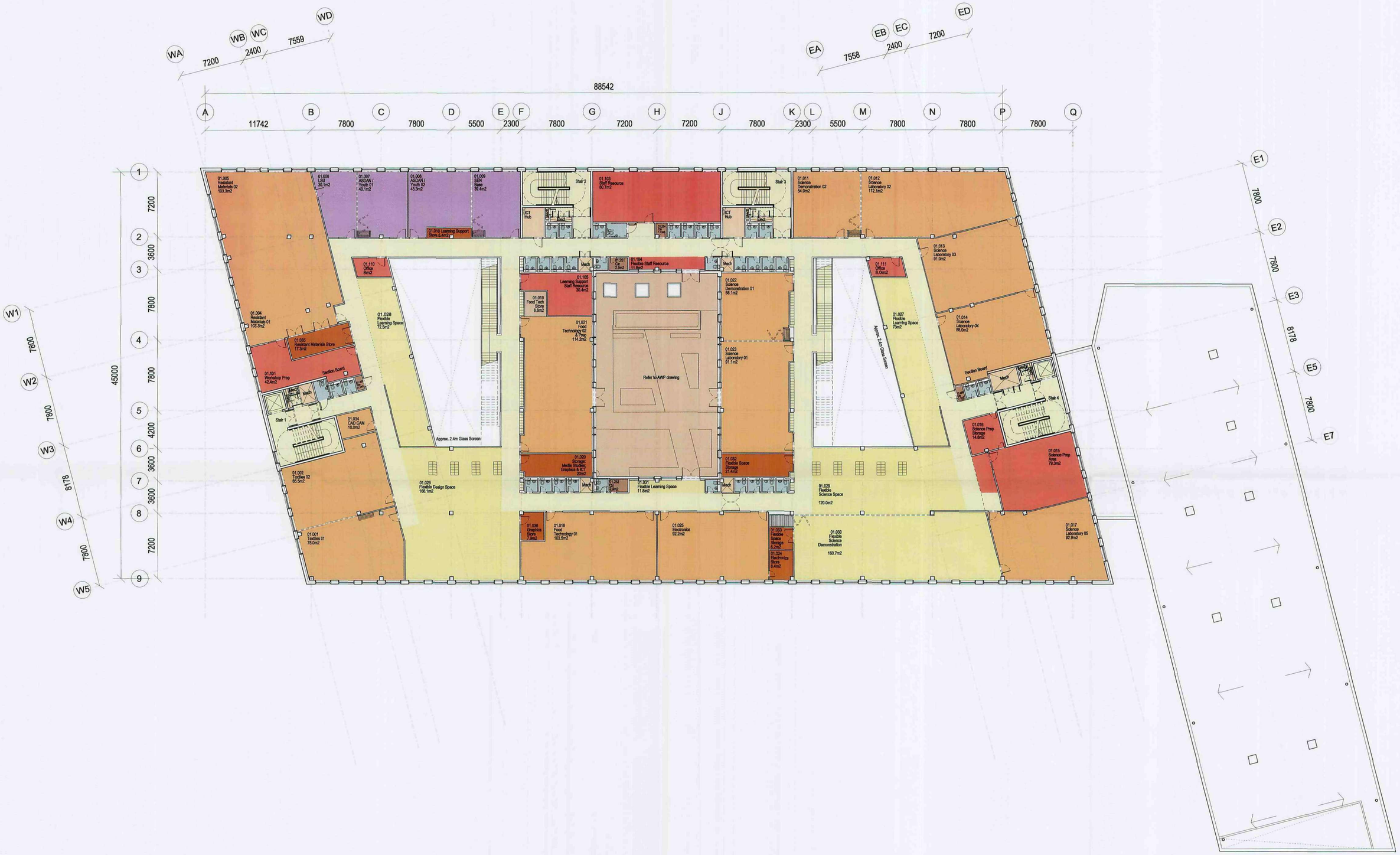
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SCALE: 1:200@A1

DATE: 19.06.09

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P07	Stage D Issue	CB	MC 05.10.09
P06	See clouded for amendments	PHK	MC 17.09.09
P05	See clouded for amendments	CB	MC 14.09.09
P04	Minor Amendments	CB	MC 11.09.09
P03	See clouded for amendments	SH	MC 09.09.09
P02	Minor amendments	JW	MC 03.07.09
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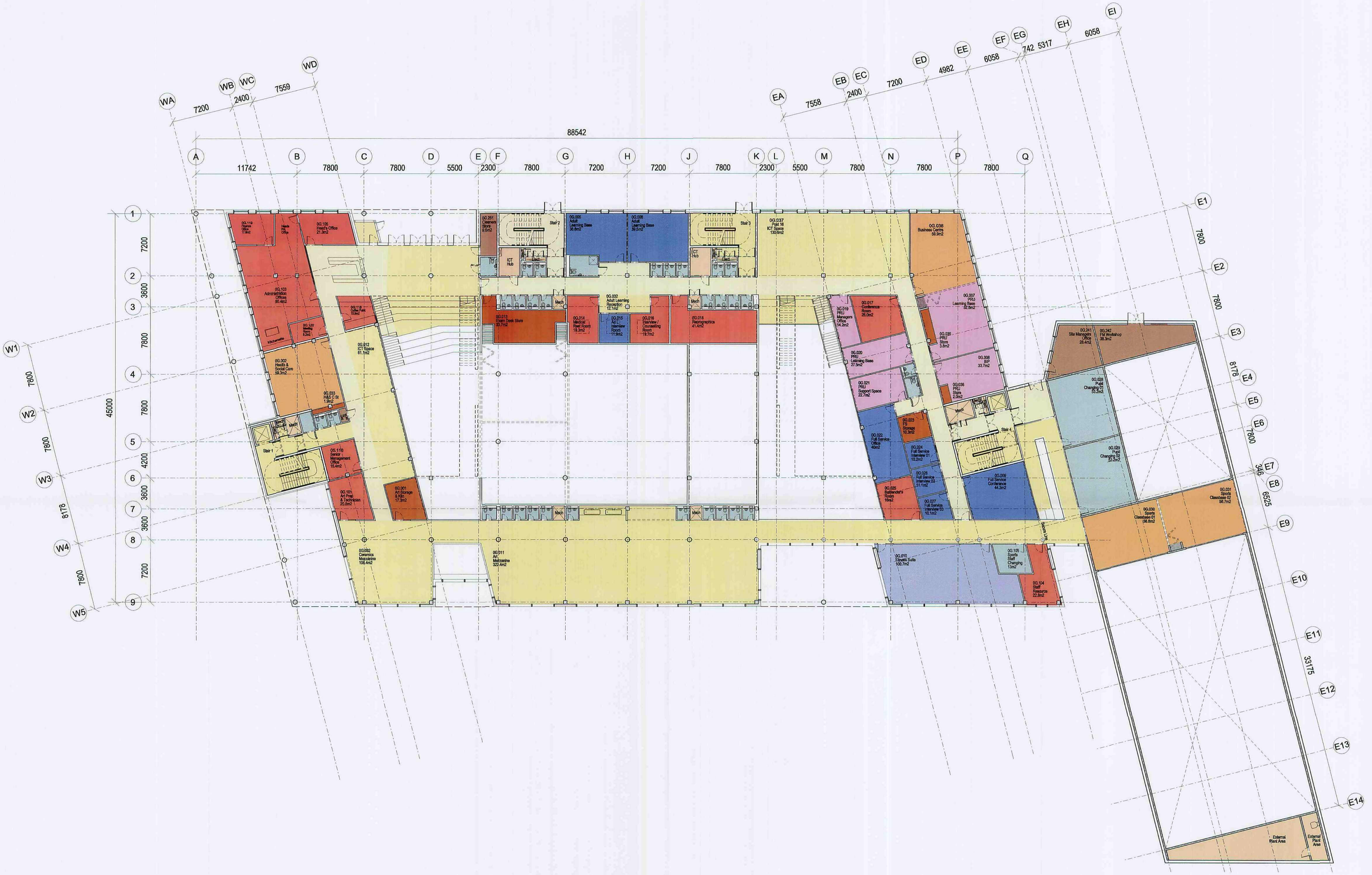
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DATE: 19.06.09

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P09 Incorporates 'Variant B' & Comments from Engagement 13.10.09	CB	MC	13.10.09
P08 Pre - Planning Comment	CB	MC	06.10.09
P07 Stage D Issue	CB	MC	05.10.09
P06 See clouded amendments	PHK	MC	17.09.09
P05 See cloud for amendments	CB	MC	14.09.09
P04 Minor amendments	CB	MC	11.09.09
P03 Amendments see clouded	SH	MC	09.09.09
FIRST ISSUE	JW	MC	19.06.09

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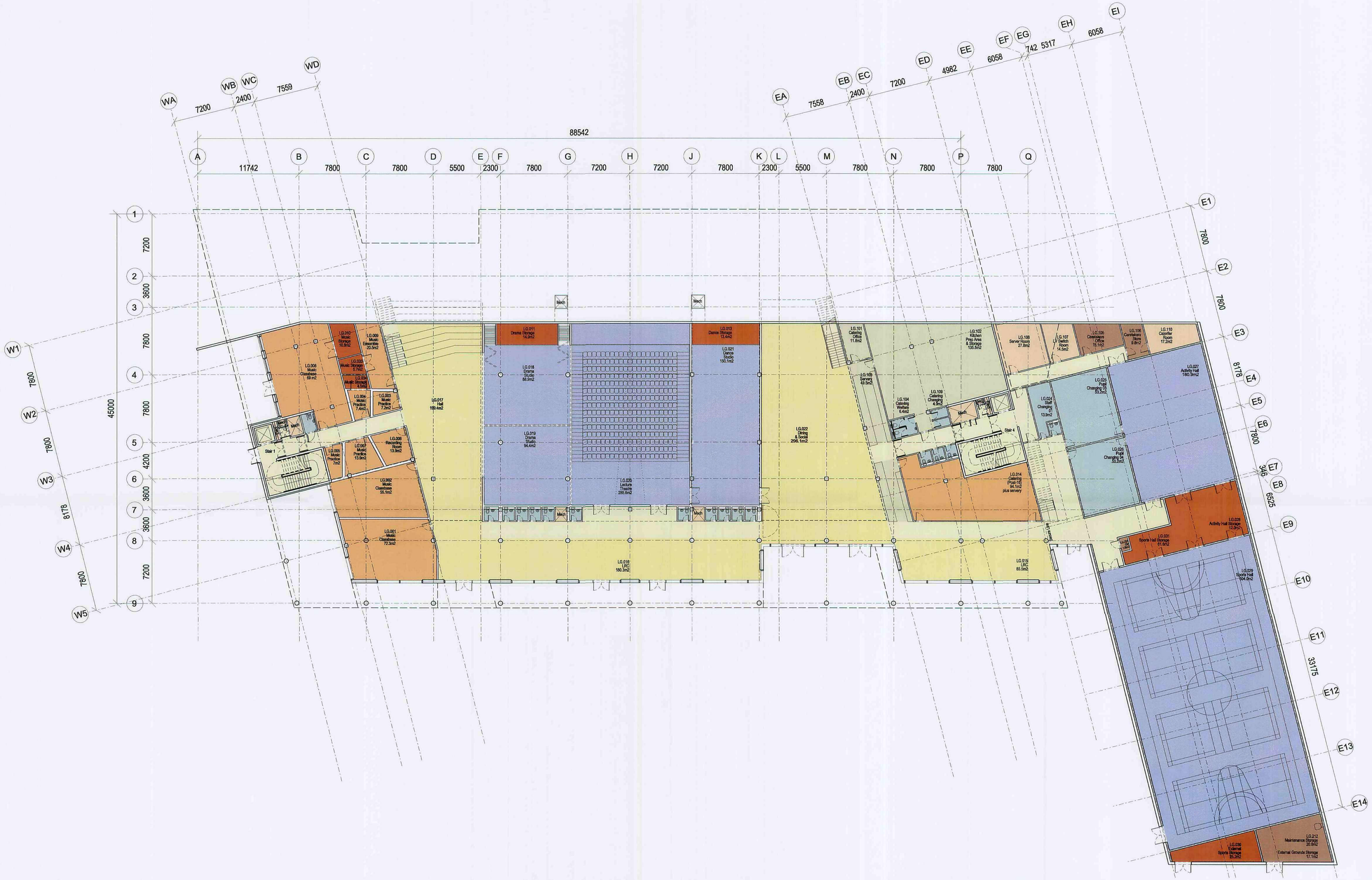
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DATE: 19.06.09

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P08 Stage D Issue	CB	MC	05.10.09
P07 Note amended	PHK	MC	18.09.09
P06 Minor amendments	PHK	MC	17.09.09
P05 See clouded for amendments	CB	MC	14.09.09
P04 Minor amendments	CB	MC	11.09.09
P03 See Clouded for amendments	SH	MC	09.09.09
P02 Minor amendments	JW	MC	03.07.09
FIRST ISSUE	JW	MC	19.06.09

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DRAWING TITLE: General Arrangement Plan Lower Ground Floor

SCALE: 1:200@A1

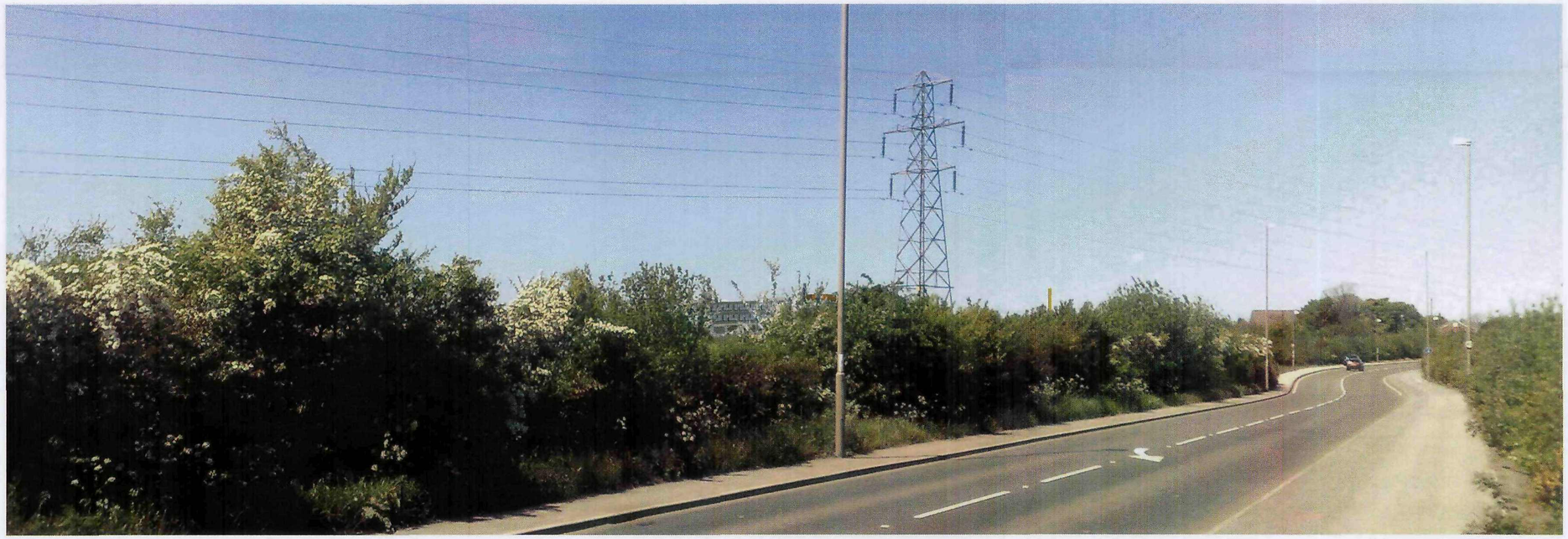
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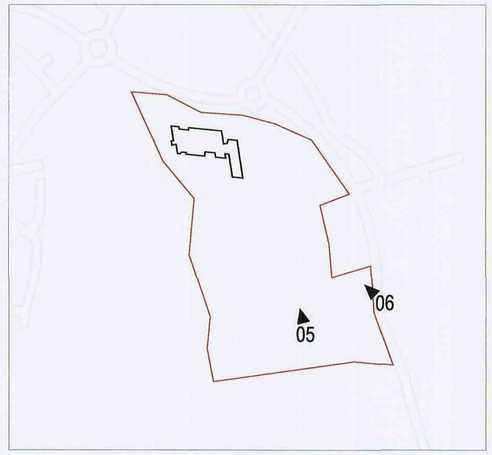
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05 - View of the new ALC and playing fields from beyond the site to the south-east



06 - View towards the new ALC from Engine Lane to the south-east of the site



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PROJECT TITLE: Shafton Advanced Learning Centre

PROJECT NUMBER: P2003083

DRAWING TITLE: Visualisations sheet 4

SCALE:

DATE: 06.10.09

DRAWING No.: BP4L_SHA_BDP_DR_00_BW_00_14

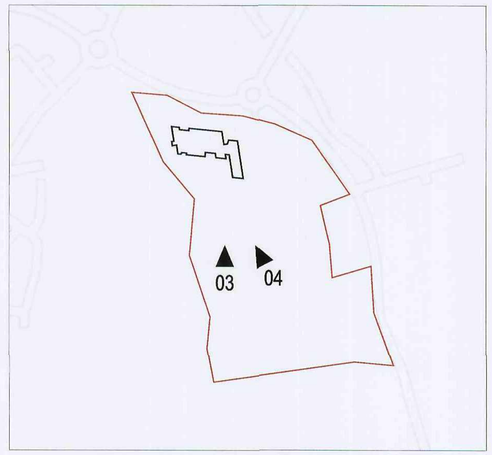
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03 - View one of the new ALC from the new playing fields to the south



04 - View two of the new ALC from the new playing fields to the south



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PROJECT TITLE: Shafton Advanced Learning Centre

PROJECT NUMBER: P2003083

DRAWING TITLE: Visualisations sheet 3

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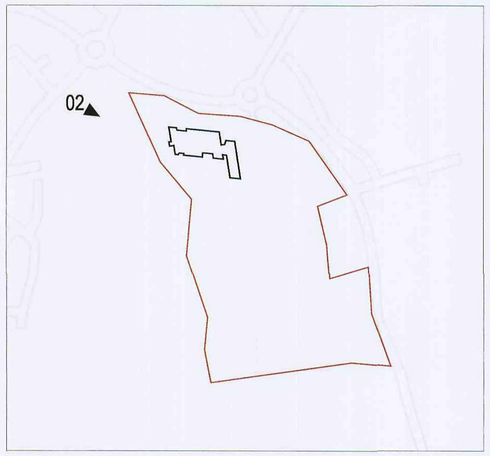
DATE: 06.10.09

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02 - View of the new ALC from Pontefract Road



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PROJECT NUMBER: P2003083

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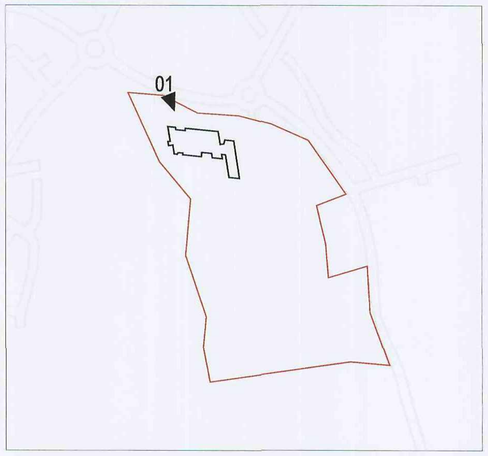
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REVISION: P01





01 - View of the main ALC entrance from Collier Road

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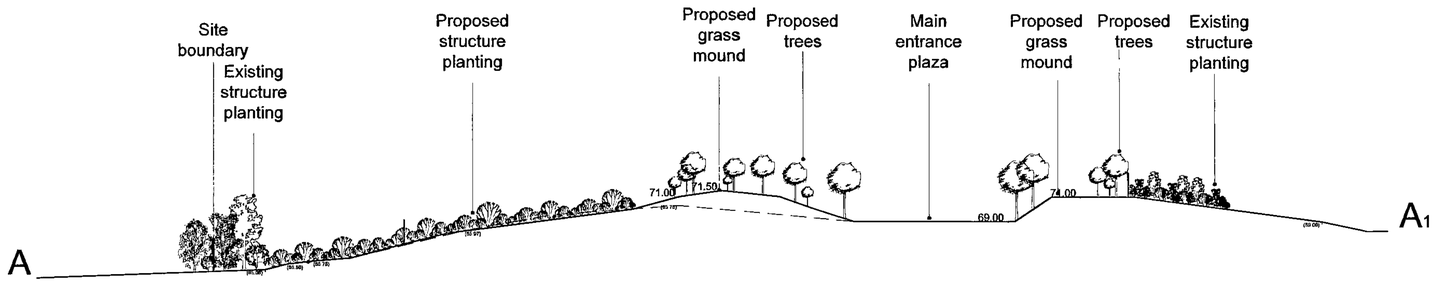
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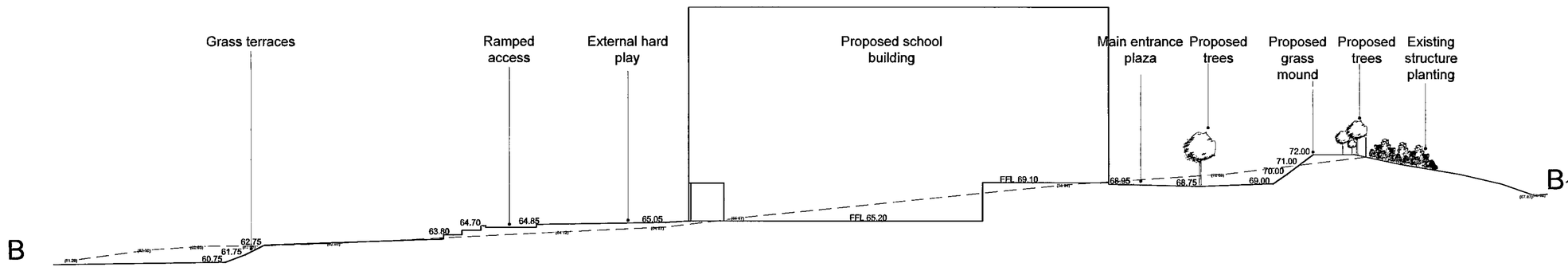
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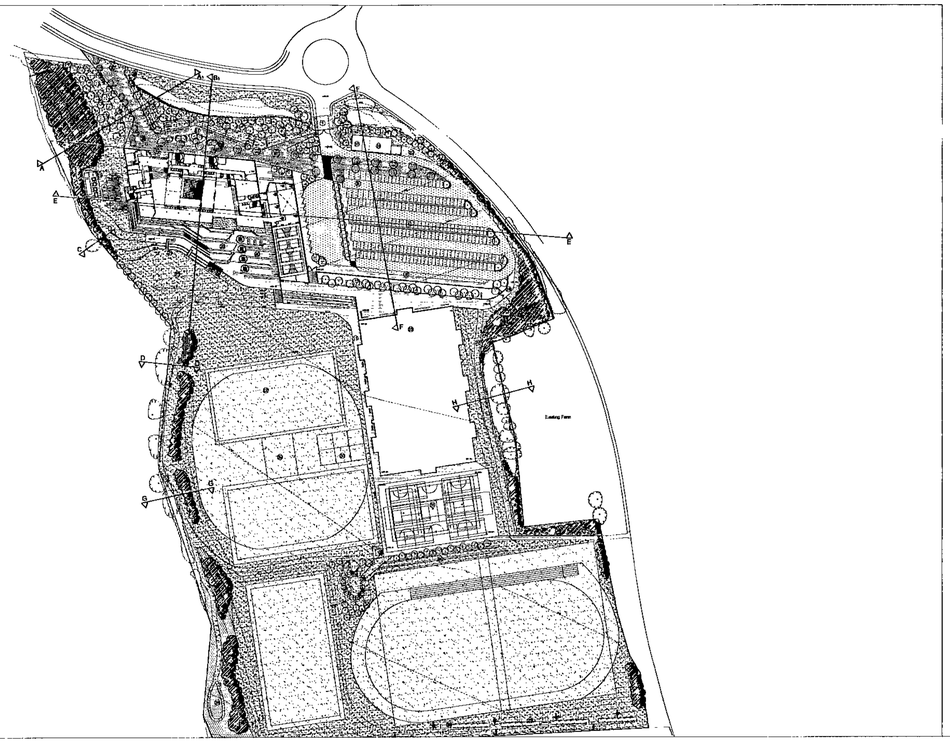
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PROJECT NUMBER	P2003083
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REVISION	P01



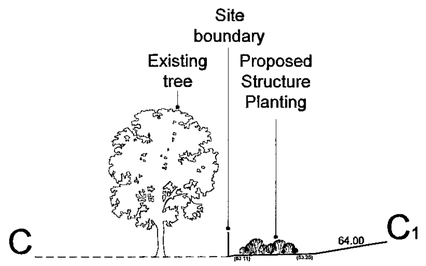
Section A-A



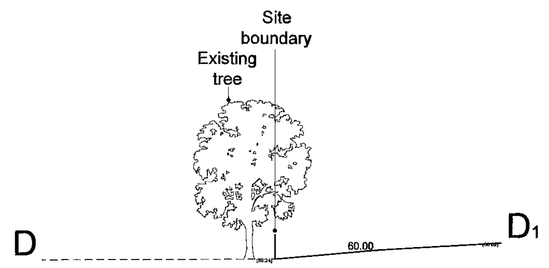
Section B-B



Location Plan - 1:2000



Section C-C



Section D-D

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REV.	DESCRIPTION.	DATE.	REV.	DESCRIPTION.	DATE.
P01	Preliminary Issue	07.09.09			
P02	Building FFLs revised - levels adjusted.	08.10.09			

NOTES
Existing section lines shown dashed.
Proposed section lines shown solid.
Existing spot levels shown in brackets.
Proposed spot levels shown without brackets.
Existing trees shown indicatively.

Barnsley Partnership For Learning

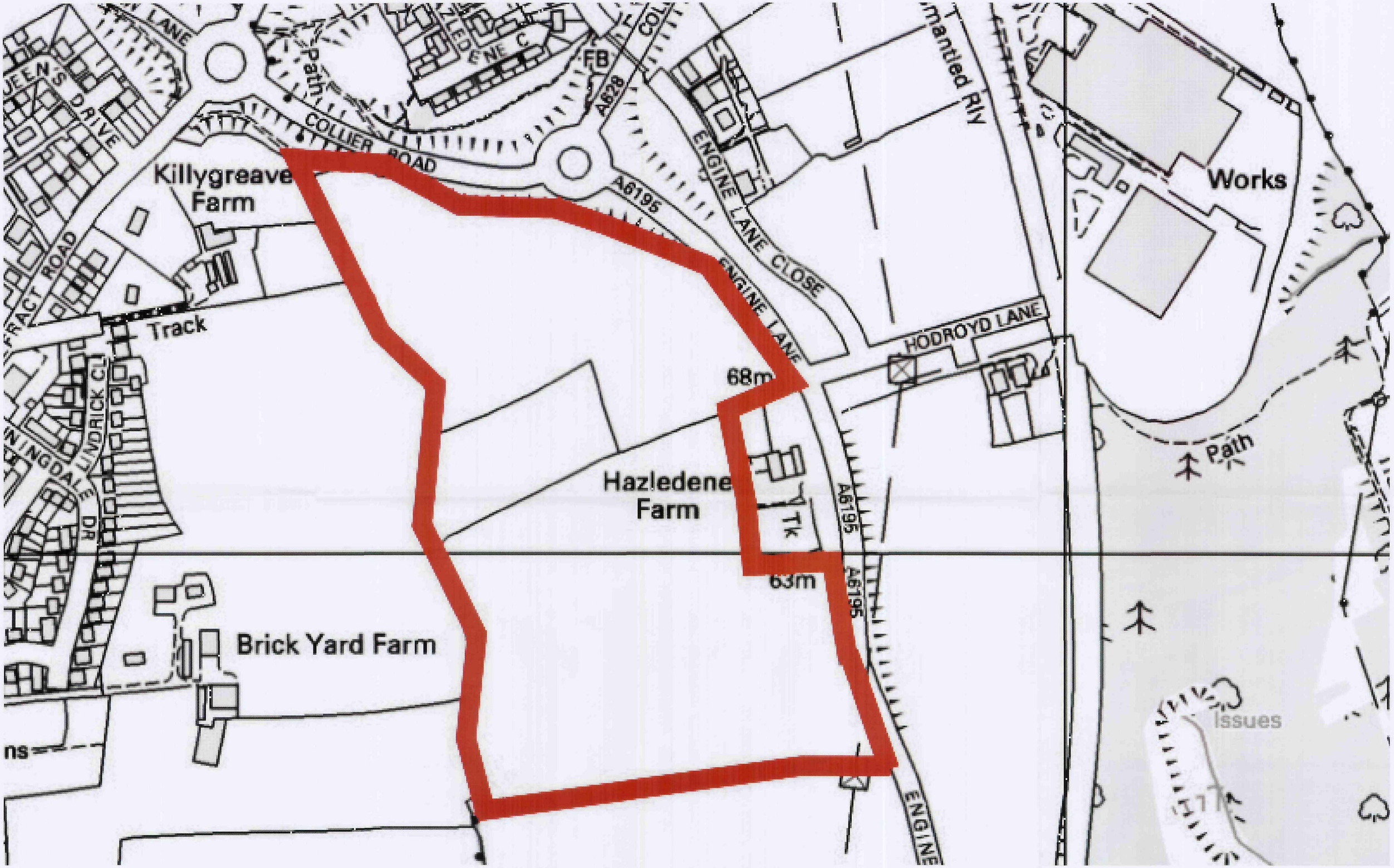
Design Risk Management Reference: BP4L_SHA_AWP_RA_94_BW_LL_01

awp

PROJECT: Barnsley BSF - Shafton School
DRAWING TITLE: Site Sections 1 of 2
DRAWING No: BP4L_SHA_AWP_DR_94_BW_LL_06 P03
SCALE (A1): 1:250
DATE: 19-10-2009
DRAWN: LS
CHKD: JH

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REVISION / DESCRIPTION	DRAWN	CHECKED	DATE
P03 Submitted for planning	CB	MC	06.10.09
P02 Stage D Issue	CB	MC	05.10.09
FIRST ISSUE	JW	MC	17.02.09

KEY PLAN

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PROJECT TITLE: Shafton Advanced Learning Centre

PROJECT NUMBER: P2003083

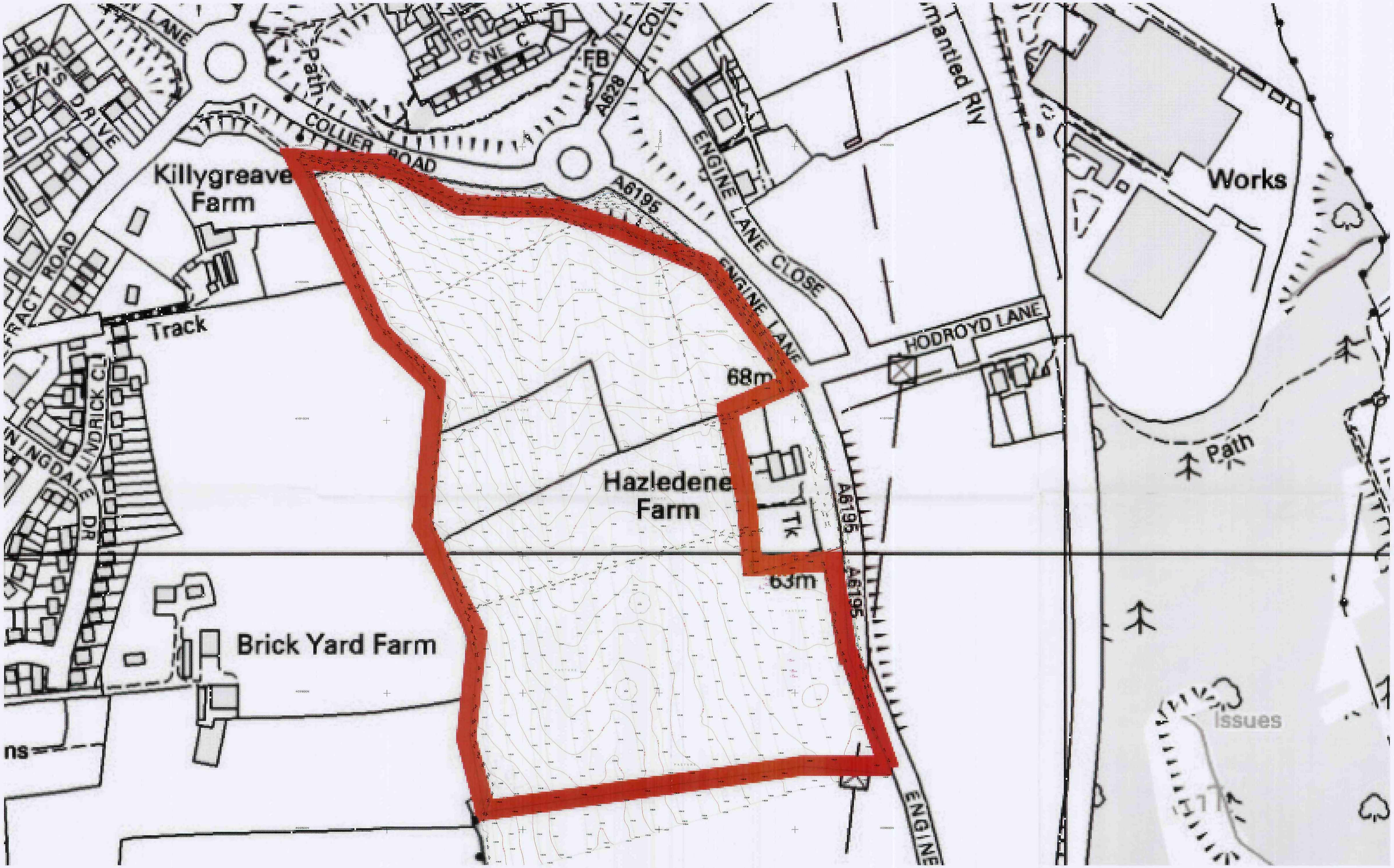
DRAWING TITLE: Existing Site Topographical Survey

SCALE: 1:1250@A1

DATE: 17.02.09

DRAWING No: BP4L_SHA_BDP_DR_00_BW_00_01

REVISION: P03



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REVISION / DESCRIPTION	DRAWN	CHECKED	DATE
P03 Submitted for planning	CB	MC	06.10.09
P02 Stage D issue	CB	MC	05.10.09
FIRST ISSUE	JW	MC	17.02.09

KEY PLAN

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Corporate

PROJECT TITLE: Shafton Advanced Learning Centre

PROJECT NUMBER: P2003083

DRAWING TITLE: Existing Site Location

SCALE: 1:1250@A1

DATE: 17.02.09

DRAWING NO: BP4L_SHA_BDP_DR_00_BW_00_00

REVISION: P03

KEY

- PROPOSED SURFACE WATER DRAIN
- PROPOSED FOUL WATER DRAIN
- PROPOSED LAND DRAINAGE & CATCHPIT
- PROPOSED ROOF DRAIN
- PROPOSED COMBINED DRAIN
- EXISTING COMBINED SEWER
- EXISTING COMBINED SEWER TO BE DIVERTED
- EXISTING SURFACE WATER SEWER
- EXISTING BECK/CULVERT
- ROAD GULLY
- WASTE PIPE
- SVP SOIL VENT PIPE
- FG FLOOR GULLY
- INSPECTION CHAMBER
- RWP RAIN WATER PIPE
- CO DRAINAGE CHANNEL WITH OUTLET
- SITE BOUNDARY
- PERMEABLE PAVING
- IMPERMEABLE AREAS
- PROPOSED BUILDING
- PROPOSED GRASSED PITCHES
- PROPOSED PERMEABLE MUGA
- PROPOSED SWALE
- PROPOSED RETAINING WALL

DRAINAGE STRATEGY SUBJECT TO APPROVAL FROM UNITED UTILITIES AND THE ENVIRONMENT AGENCY

NUMBER AND LOCATIONS OF RAINWATER PIPES AND SOIL VENT PIPES/WASTE PIPES SUBJECT TO CHANGE DURING DESIGN DEVELOPMENT

GULLY POSITIONS ARE SHOWN INDICATIVELY TO SUIT LANDSCAPE PLAN

100Ø PERFORATED LAND DRAINAGE AT 10m - 15m CENTRES TO PITCHES TO AGREE WITH SPORTS ENGLAND REQUIREMENTS

PIPE SIZES SHOWN LIKELY TO CHANGE DURING DESIGN DEVELOPMENT

REFER TO CCTV SURVEY REPORT FOR STRUCTURAL & SERVICE DEFECTS ON EXISTING COMBINED SEWER

RWP DOWNPIPES SHOWN TO BE SYPHONIC AS PER FULLFLOW TENDER PROPOSALS. SYPHONIC ACTION TO BE BROKEN AT BELOW GROUND/ABOVE GROUND INTERFACE WITH THE PROVISION OF OVERSIZED PIPES. VENTED MANHOLE COVERS REQUIRED AT THE POINT OF CONNECTION TO EXTERNAL DRAINAGE SYSTEM.

DISCHARGE VIA FLOW CONTROL TO NATURAL WATER COURSE

HYDROBRAKE TO BE INSTALLED IN THIS MANHOLE TO LIMIT DISCHARGE FLOW TO 10l/s

PROPOSED SURFACE WATER CONNECTION LIMITING WATER TO 55l/s TO NATURAL WATER COURSE

HEADWALL

PROPOSED RETAINING WALL

THIS SECTION OF YORKSHIRE WATER 300Ø PIPE TO BE REMAINED

EXISTING PUBLIC COMBINED SEWER 300mm DIA PASSING THROUGH PROPOSED SITE

PROPOSED COMBINED DIVERSION SEWER CL: 68.800 IL: 66.500 DIA: 300Ø

APPROX 200m LONG EXISTING PUBLIC COMBINED SEWER TO BE DIVERTED. PROPOSED PUBLIC COMBINED SEWER DIVERSION ROUTE, SUBJECT TO YORKSHIRE WATER APPROVAL. SEWER EASEMENT 3.0m EACH SIDE OF PUBLIC SEWER

PROPOSED COMBINED DIVERSION SEWER CL: 69.500 IL: 65.000 DIA: 300Ø

SIZE AND LOCATION OF RAINWATER HARVESTING TANK TO BE CONFIRMED BY M&E ENGINEERS

RAINWATER HARVESTING TANK TO BE INSTALLED TO CATER FOR THE RUN OFF FROM AT LEAST 50% OF THE PROPOSED BUILDING ROOF (PROPOSED BUILDING 5500m²). OVERFLOW TO CAR PARK

RAINWATER HARVESTING OVER FLOW TO SUB-BASE OF CAR PARK

PROPOSED COMBINED DIVERSION SEWER CL: 66.000 IL: 63.370 DIA: 300Ø

DRAINAGE CHANNEL RESERVED FOR FUTURE SPRINKLER TANK & PLANTING ROOM, LOCATION TO BE CONFIRMED BY M&E

APPROX. AREA 6800m²

TANK TOP CELL LEVEL: 66.50m

DISCHARGE VIA FLOW CONTROL TO 40l/s TO NATURAL WATER COURSE

LAND DRAINAGE CONNECTING INTO DRY BASIN

SWALE TO BE DESIGNED TO PROVIDE MORE ATTENUATION

LAND DRAINAGE CONNECTING INTO DRY BASIN

DRY BASIN LOWEST POINT 0.5m BELOW GROUND LEVEL PROVIDING 350m³ STORAGE

EX OUTLET

600Ø PIPE AS ATTENUATION SYSTEM

BACKDROP MANHOLE

PROPOSED COMBINED DIVERSION SEWER CL: 64.500 IL: 62.000 (300Ø) IL: 62.150 (150Ø)

HYDROBRAKE TO BE INSTALLED IN THIS MANHOLE TO LIMIT DISCHARGE FLOW TO 10l/s

THIS SECTION OF YORKSHIRE WATER 300Ø PIPE TO BE DIVERTED

SPORTS PITCHES TO BE DRAINED, ON-SITE DRAINAGE NETWORK IN DISCUSSION

APPROX. AREA 5800m²

APPROX. AREA 3000m²

APPROX. AREA 4300m²

APPROX. AREA 6700m²

APPROX. AREA 3300m²

APPROX. AREA 7100m²

APPROX. AREA 7000m²

100Ø PERFORATED FILTERS 15m

EXS3

EXS2

EXS1

EXS1A

EXS1D

EXC4 CL: 61.000 I: 59.500 Depth: 1.500

EXC5 CL: 62.420 I: 60.720 Depth: 1.700

EXC7

EXC8

MUGA AREA ASSUMING 60% OF THE SURFACE WATER RUN-OFF CONTRIBUTING TO THE DRAINAGE NETWORK TO BE DRAINED. LAND DRAINAGE TO BE PROVIDED TO DRAIN OFF SURFACE WATER FROM THE ALL WEATHER PITCH SURFACE

PROPOSED COMBINED DIVERSION SEWER CL: 61.500 IL: 60.500 DIA: 300Ø

PROPOSED COMBINED DIVERSION SEWER CL: 61.335 IL: 60.335 DIA: 300Ø

THIS SECTION OF YORKSHIRE WATER 300Ø PIPE TO BE REMAINED

Existing Farm

PROPOSED COMBINED DIVERSION SEWER CL: 61.800 IL: 60.800 DIA: 300Ø

PROPOSED COMBINED DIVERSION SEWER BACKDROP MANHOLE CL: 62.100 CL: 61.100

GROUND LEVEL 62.000

PROPOSED RETAINING WALL

PROPOSED COMBINED DIVERSION SEWER CL: 65.000 IL: 61.300 DIA: 300Ø

SYPHONIC RAINWATER SYSTEM ABOVE GROUND. SEE NOTES

GFL: 465.100

GFL: 466.100

UNDERGROUND TANK FLAN (RECT) 36m x 15m INTERNAL DEPTH 0.8m MAX. ATTENUATION VOLUME 400m³

RAINWATER HARVESTING

NEW MH2

NEW MH1

PERMEABLE PAVING TO BE UTILISED SUB-BASE AS AN ATTENUATION TANK. ACCOMMODATING 800m³ STORAGE VOLUME. ALTERNATIVELY AQUA-CELL TANK TO BE PROVIDED TO ACCOMODATE 400m³ STORAGE

PROPOSED CAR PARK SUB-BASE AS SURFACE WATER ATTENUATION TANK. NO SEWER TO BE CONSTRUCTED IN THIS AREA

MANHOLE SCHEDULES

MH No.	COVER LEVEL	INVERT LEVEL	DEPTH (m)
PROPOSED FOUL SEWER MANHOLES			
F1	70.690	68.800	-1.880
F2	68.400	66.700	-1.700
F3	65.400	63.800	-1.600
F4	65.000	64.000	-1.000
F5	66.000	63.250	-1.750
F6	65.000	62.950	-2.050
PROPOSED COMBINED SEWER DIVERSION MANHOLES			
CO1	68.800	66.500	-1.500
CO2	69.500	65.200	-4.300
CO3	68.000	63.370	-4.630
CO4	64.500	62.000	-2.500
CO5	65.000	61.300	-3.700
CO6	62.100	61.100	-1.000
CO7	61.800	60.800	-1.000
CO8	61.500	60.500	-1.000
CO9	61.800	60.335	-1.465
PROPOSED SURFACE WATER MANHOLES			
S1	69.000	68.025	-0.975
S2	68.800	67.900	-0.900
S3	68.800	67.700	-1.100
S4	68.800	67.575	-1.225
S5	68.700	67.300	-1.400
S6	68.600	67.000	-1.600
S7	65.000	64.100	-0.900
S8	65.000	63.850	-1.150
S9	65.000	63.195	-1.805
S10	65.000	64.025	-0.975
S11	65.000	62.890	-2.110
S12	66.800	65.700	-1.100
S13	62.000	61.025	-0.975
S14	61.000	60.000	-1.000
S15	61.000	59.850	-1.150

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REVISION / DESCRIPTION	DRAWN	CHECKED	DATE
RAINWATER PIPE POSITIONS MOVED TO SUIT FULLFLOW SYPHONIC DRAINAGE DESIGN P04	CK	BDP	14.10.09
RAINWATER HARVESTING TANK REMOVED P03	JH	YZ	23.09.09
PROPOSED DIVERSION ROUTE REVISED & DRAINAGE AMENDED TO LATEST MASTER PLAN P02	AG	YZ	11.09.09
FIRST ISSUE	AG	YZ	17.06.09

Barnsley Partnership For Learning

LAING O'ROURKE

Barnsley Metropolitan Borough Council
2 1 OCT 2009
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PROJECT TITLE: Shafton Advanced Learning Centre

PROJECT NUMBER: P2003083

DRAWING TITLE: DRAINAGE STRATEGY

SIZE: @ A0

SCALE: 1:500

DATE: JUNE'09

DRAWING No.: BP4L_SHA_BDP_DR_93_BW_LL_001

REVISION: P04



LEGEND

- Existing tree planting to be retained. All trees to be protected to BS 5837:2005
- Existing structure planting to be retained. All trees to be protected to BS 5837:2005
- Existing hedge to be retained
- Proposed individual tree planting (Range of sizes from semi-mature to feathered depending on location - actual sizes and numbers to be finalised during stage 2)
- Proposed native structure planting.
- Proposed shrub/groundcover planting (Including climbers, herbaceous/grasses and emergent planting)
- Proposed amenity grass areas (Including wildflower and bulb planting)
- Proposed sports pitch areas
- Proposed coloured tarmac (pedestrian areas)
- Proposed vehicular tarmac Areas
- Proposed Arboresin areas
- Proposed ground graphics / coloured tarmac paving
- Proposed steps
- Proposed ramped access (1:21 slope)
- Proposed formal/informal seating
- Proposed Retaining Wall (NB: Levels to the STP and the requirement for a retaining wall / structure are to be reviewed during Stage 2
- Proposed 1.2m high pedestrian steel fence
- Proposed secure fencing
- Proposed 1.8m high decorative vertical bar fence with matching pedestrian and vehicular gates
- Proposed post and rail fence.
- Proposed 3m high ball stop fence
- Existing post and rail fence to be retained.
- Indicative proposed contours
- Proposed swale
- +69.50 Indicative proposed spot levels
- Boundary line taken from outline planning application

Notes

1. Main vehicular access
2. Main pedestrian access
3. Disabled parking - 10 no. spaces
4. Carpark - 236 no. spaces
5. Pedestrian crossing
6. Main entrance plaza
7. Entrance space
8. Potential location of wind turbine
9. Parent drop-off
10. Location of container compound delivery access
11. Pedestrian access to playing fields
12. Natural turf sports pitches
13. Synthetic turf pitch
14. Location of energy centre
15. Location of container compound
16. Maintenance entrance / fire tender route
17. Cycle storage
18. Art & Music garden
19. Horticulture garden
20. Games zone
21. Outdoor performance space / amphitheatre
22. Informal hard play with ground graphics (social / dining / break out)
23. Informal soft play / Kick-about area
24. Native woodland screen planting
25. Possible location for entrance sign incorporating Minewheel sculpture
26. Possible location for vista stop (detailed design to agreed during stage 2)
27. Maintenance track
28. Horticulture / Science courtyard (first floor)
29. Willow / hazel coppice areas (biomass demonstration)
30. Pedestrian access (Access between site boundary and Highway path to be determined by outside planning)
31. Hard games courts - floodlit (6no. tennis, 3no. netball)
32. Cricket wicket (artificial)
33. Training grids
34. Habitat garden with seasonal pond and wildflower area
35. Grass swale with weirs
36. Paved areas with timber benches as destinations / informal teaching stations
37. Existing electricity pylon - exact location of pylon and overhead cables and their relationship to site boundary to be determined
38. Environmental art space / informal social space / Outdoor teaching space
39. Sheltered seating area
40. Grass terraces as informal seating
41. Possible location for Wind turbines (to be dealt with a separate application)

TYPICAL PLANTING PALETTE

1. East-West Pedestrian Boulevard

Semi-Mature Trees (25-30cm girth)

Eg Acer x freemanii 'Jeffers Red'

2. Pedestrian / Cycle Entrance, Front of Building, Car Park, Art & Music Garden

Extra Heavy Standard trees (16-18 / 18-20cm girth):

Alnus cordata
Sorbus aucuparia
Betula pendula
Fraxinus excelsior spp
Acer campestre 'Elsrijk'
Prunus avium 'Plena'

3. Embankments to the North of Building

Individual tree specimens would include a mix of sizes from c.1.5m high feathered trees to 14-16cm girth

Acer campestre
Alnus glutinosa
Fraxinus excelsior
Pinus sylvestris
Prunus avium
Quercus petraea
Sorbus aucuparia
Corylus avellana

4. Structure Planting

Structure planting to be established at c.1.5m centres size generally to be 60-80cm high transplants / 3L containers depending on species

Alnus glutinosa
Fraxinus excelsior
Pinus sylvestris
Prunus avium
Quercus petraea
Sorbus aucuparia
Acer campestre
Rosa canina
Rosa rugosa
Salix spp
Corylus avellana
Crataegus monogyna
Ilex aquifolium
Viburnum opulus
Ulex europaeus
Sambucus nigra

5. Ornamental Shrub / Groundcover Planting Around School and Car Parking Areas

Generally shrubs to be containerised in 3L pots and planted at a density of 3/m².

Berberis spp
Buddleia spp
Choisya spp
Cornus spp
Corylus spp
Cotoneaster spp
Cytisus spp
Escallonia spp
Hebe spp
Hedera spp
Hydrangea spp
Pinus spp
Prunus spp
Rosa spp
Lavandula spp
Lonicera spp
Phormium spp
Escallonia 'Apple Blossom'
Prunus laurocerasus
Pinus mug mughus

NB: Plants with special educational value and properties will be introduced within the learning zones, outdoor classrooms and curriculum gardens. Plant selection will be developed closely with teachers and students to ensure that the planting design meets the educational needs of the school.

6. Climbers

Clematis spp
Hydrangea spp
Hedera spp
Parthenocissus spp

7. Bulb Planting

Narcissus, crocus, galanthus spp

8. Grass, Wildflower Seed Mixes

Amenity Grass Seed

Eg British Seed Houses Amenity Mix A24 Wear and Tear at recommended rate of 35 gms/m² or similar approved.

Wildflower Seed

Eg British Seed Houses WFG9 wetland areas. British Seed Houses WFG15 (Countrylife) all to be sown at 5gms/m².

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21 OCT 2009
Corporate Mail Room

Barnsley Partnership For Learning

Design Risk Management Reference: CDM/

awp

PROJECT: Barnsley BSF - Shafton ALC School

DRAWING TITLE: Sketch Landscape Masterplan

DRAWING No.	SCALE (A1)	DATE	DRAWN	CHKD
BP4L_SHA_AWP_DR_94_BW_LL_01 P17	1:1000	19-10-2009	AH	JH

Anthony Walker and Partners Limited 10 Summerhill Terrace Newcastle upon Tyne NE4 6EB
Tel: 0191 233 0188 Fax: 0191 261 1527 Email: info@awpenvironment.co.uk www.awpenvironment.co.uk

LEGEND

Existing tree planting to be retained
All trees to be protected to BS 5837:2005

Existing structure planting to be retained
All trees to be protected to BS 5837:2005

Existing hedge to be retained

Proposed individual tree planting
Range of sizes from Standard to Heavy Standard depending on location
Actual sizes and numbers to be finalised during stage 2

Proposed native structure planting

Proposed shrub/groundcover planting
(including meadows, herbaceous/grasses and transport planting)

Proposed amenity grass areas
(including meadows and wet planting)

Proposed sports pitch areas

Proposed coloured tarmac (pedestrian areas)

Proposed vehicular tarmac Areas

Proposed Arboresh areas

Proposed ground graphics / coloured tarmac paving

Proposed steps

Proposed ramped access (1:21 slope)

Proposed formal/informal seating
Proposed Retaining Wall (NE- Lowest to the STP and the requirement for a retaining wall / structure are to be reviewed during Stage 2

Proposed 1.2m high pedestrian steel fence

Proposed secure fencing

Proposed 1.8m high decorative vertical bar fence with matching pedestrian and vehicular gates

Proposed post and rail fence.

Proposed 3m high ball stop fence

Existing post and rail fence to be retained.

Indicative proposed contours

Indicative proposed spot levels

Notes

1. Main vehicular access
2. Main pedestrian access
3. Disabled parking - 10 no. spaces
4. Carpark parking - 236 no. spaces
5. Pedestrian crossing
6. Main entrance plaza
7. Entrance space
8. Potential location of wind turbine
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21. Games zone
22. Informal hard play with ground graphics (social / dining / break-out)
23. Informal soft play / Kick-about area
24. Native woodland screen planting
25. Possible location for entrance sign incorporating agreed during stage 2)
26. Minewheel sculpture
27. Possible location for vista stop (detailed design to be agreed during stage 2)
28. Maintenance Track
Horticulture / Science courtyard (first floor)

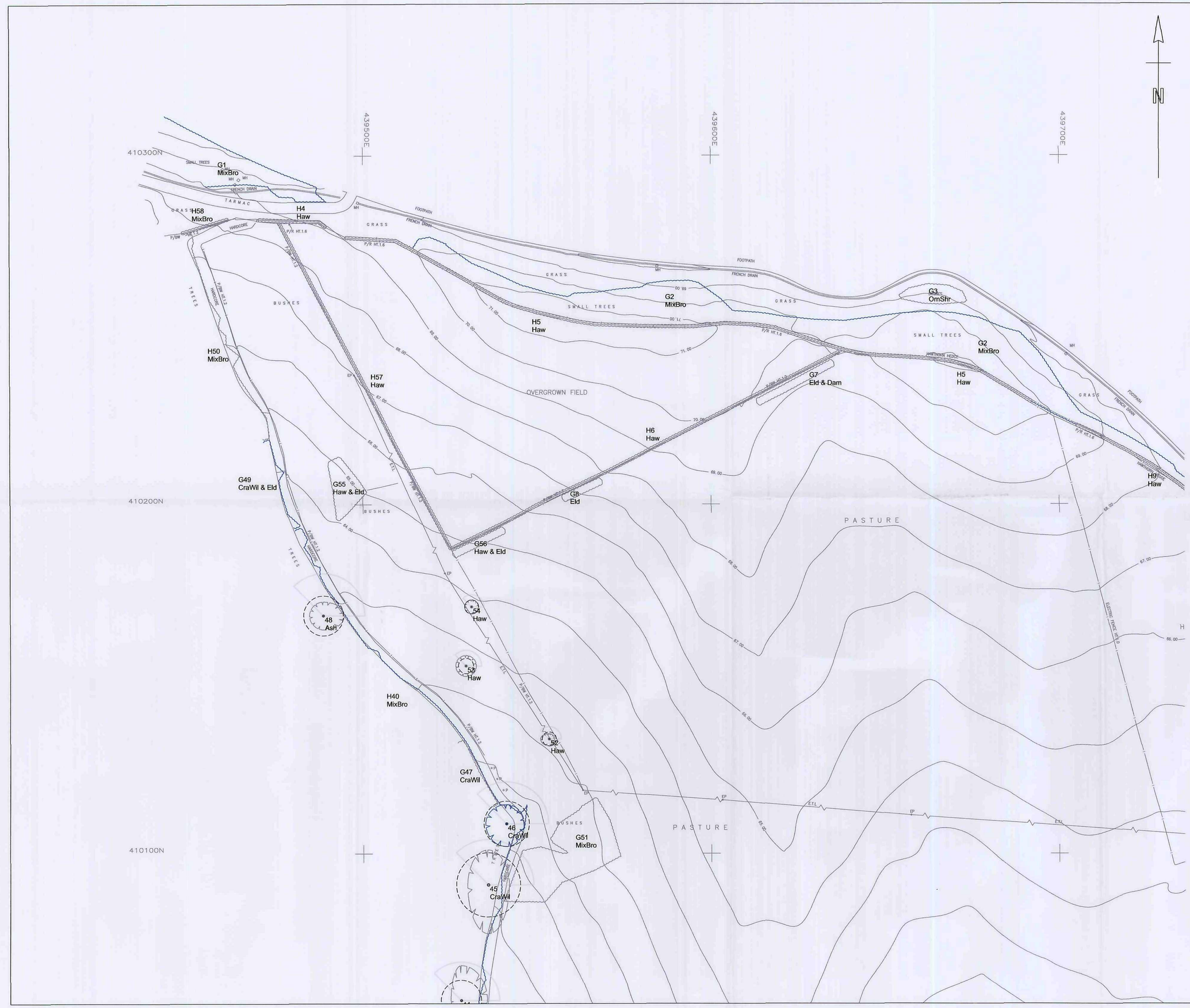
Barnsley Metropolitan Borough Council

2 1 OCT 2009

Corporate Services

Design Risk Management Reference
CDM/

PROJECT
Barnsley



Key

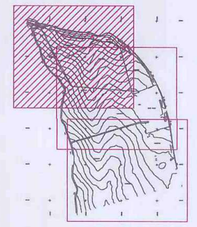
- Tree of high quality and value (Category A)
- Tree of moderate quality and value (Category B)
- Tree of low quality and value (Category C)
- Tree to be removed (Category R)
- Root Protection Area (RPA) (individual trees only)
- Indicative shade profile (individual trees only)
- Group of trees and/or shrubs (quality and value category as colour) (RPA as crown-spread)
- Hedge (quality and value category as colour) (RPA as crown spread)

Notes

1. Survey carried out according to BS5837:2005 'Trees in relation to construction - Recommendations'.
2. Refer to accompanying tree survey report for full survey details.
3. Plan based on topographical survey drawing no. 10007.
4. The positions of trees 13-25, 29-30, 41-48 and 52-54 have been plotted by the arboriculturist based on measured off-sets. The extent of groups G7, G8, G26, G51, G55 and G56 have been visually plotted by the arboriculturist. Positions to be re-confirmed by topographical survey if accurate position required.

Species

Ash - Ash (Fraxinus excelsior)
BlaTho - Blackthorn (Prunus spinosa)
CraWil - Crack willow (Salix fragilis)
Dam - Damson (Prunus insititia)
Eld - Elder (Sambucus nigra)
EngOak - English oak (Quercus robur)
GreAld - Grey alder (Alnus incana)
GrePop - Grey poplar (Populus canescens)
Haw - Hawthorn (Crataegus monogyna)
MixBro - Mixed broadleaves
OrnShr - Ornamental shrubs
SilBir - Silver birch (Betula pendula)
Syc - Sycamore (Acer Pseudoplatanus)



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21 OCT 2009
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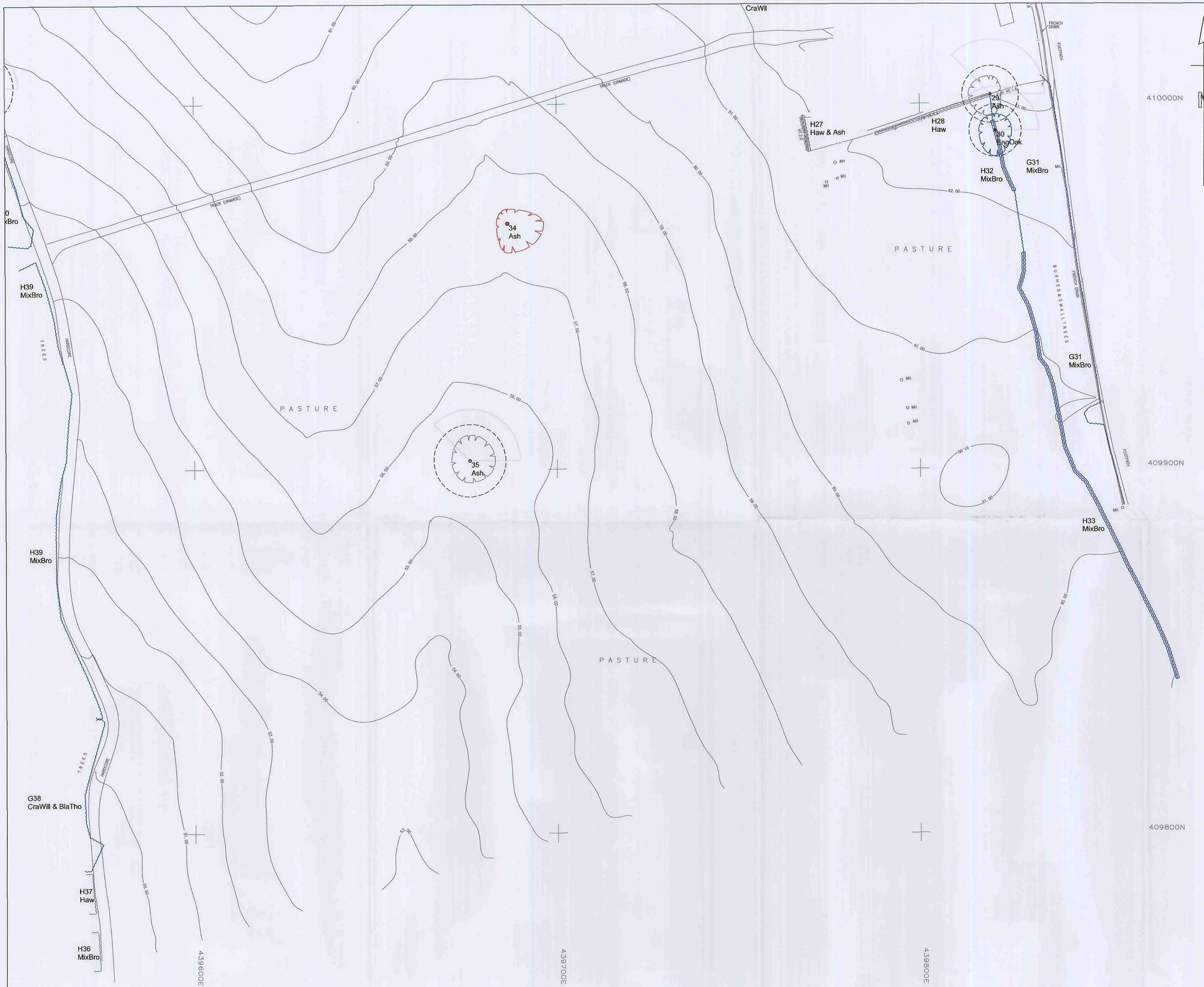
Greengage
arboriculture & ecology

Client:
Barnsley Partnership for Learning
(Laing O'Rourke)

Project:
Barnsley Building Schools for the Future
Phase 2

Drawing:
Tree Constraints Plan
Shafton ALC - Sheet 1 of 3

Scale:	Date:	Drawn:	Checked:
1:500 @A1	28/04/09	GM	CL
Project No.:	Drawing No.:	Revision:	
011	01-1	-	



Key

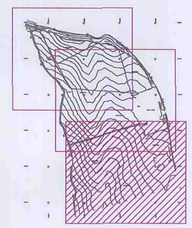
- Tree of high quality and value (Category A)
- Tree of moderate quality and value (Category B)
- Tree of low quality and value (Category C)
- Tree to be removed (Category R)
- Root Protection Area (RPA) (individual trees only)
- Indicative shade profile (individual trees only)
- Group of trees and/or shrubs (quality and value category as colour) (RPA as crown-spread)
- Hedge (quality and value category as colour) (RPA as crown spread)

Notes

1. Survey carried out according to BS5837:2005 'Trees in relation to construction - Recommendations'.
2. Refer to accompanying tree survey report for full survey details.
3. Plan based on topographical survey drawing no. 10007.
4. The positions of trees 13-25, 29-30, 41-48 and 52-54 have been plotted by the arboriculturist based on measured off-sets. The extent of groups G7, G8, G26, G51, G55 and G56 have been visually plotted by the arboriculturist. Positions to be re-confirmed by topographical survey if accurate position required.

Species

Ash - Ash (Fraxinus excelsior)
BlaTho - Blackthorn (Prunus spinosa)
CraWil - Crack willow (Salix fragilis)
Dam - Damson (Prunus insitita)
Eld - Elder (Sambucus nigra)
EngOak - English oak (Quercus robur)
GreAld - Grey alder (Alnus incana)
GrePop - Grey poplar (Populus canescens)
Haw - Hawthorn (Crataegus monogyna)
MixBro - Mixed broadleaves
OrnShr - Ornamental shrubs
SilBir - Silver birch (Betula pendula)
Syc - Sycamore (Acer Pseudoplatanus)



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21 OCT 2009
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Greengage arboriculture & ecology

Client:
Barnsley Partnership for Learning (Laing O'Rourke)

Project:
Barnsley Building Schools for the Future Phase 2

Drawing:
Tree Constraints Plan
Shafton ALC - Sheet 3 of 3

Scale:	Date:	Drawn:	Checked:
1:500 @A1	28/04/09	GM	CL
Project No.:	Drawing No.:	Revision:	
011	01-3	-	



Key

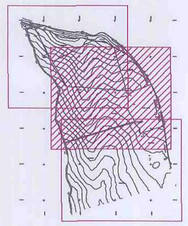
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Greengage arboriculture & ecology

Client:
Barnsley Partnership for Learning
(Laing O'Rourke)

Project:
Barnsley Building Schools for the Future
Phase 2

Drawing:
Tree Constraints Plan
Shafton ALC - Sheet 2 of 3

Scale:	Date:	Drawn:	Checked:
1:500 @A1	28/04/09	GM	CL
Project No.:	Drawing No.:	Revision:	
011	01-2	-	



Site Area
The total area outmonced to boundary fence.

External Teaching

Sports Pitches
The total area of Sports Pitches must include playing field area laid out to suit team games including:
- winter pitches for the schools preferred team games, such as football, rugby and hockey;
- overlapping summer pitches, such as cricket, a 400m athletics track and facilities for field events.
All weather pitches, which can be floodlit to extend the hours of use, also have more intensive use than grass and, particularly with floodlighting, can also offer a popular community resource.
The area of all-weather pitches can be counted below for the purposes of both these guidelines and regulations, as they can be used for significantly more than seven hours a week required for team game playing fields.

Soft informal and social
The 'soft' areas should be conveniently situated, safe and provide some shade. Imaginative landscaping and planting can provide a range of outdoor areas, including quiet areas that may be particularly appropriate to pupils with SEN or disabilities.
The total area could include:
- hard surfaced, all-weather activities;
- sloping grass areas for spectators or a natural amphitheatre;
- landscaped or planted areas near to buildings.

Games Courts [hard surfaced]
In new schools, the total area of hard surfaced games courts should include:
- a multi-use games area with three netball courts overlaid, with critical dimensions of 60m x 30m plus margins;
- further tarmac/netball courts in larger schools.
Laying out a variety of courts within a single multi-use games area makes supervision easier and extends the range of games.
In existing schools, a similar amount of hard surfaced area should be laid out for games.

Hard informal and social
To complement the well informal and social areas, there should be hard surfaced playgrounds and sheltered space for socialising and for the encouragement of healthy, active, creative outdoor play. Appropriate site furniture, such as seating, to accommodate larger outdoor study groups and smaller more intimate areas, is important.The area should also provide opportunities for play on different surfaces and structures, for pupils to engage in outdoor art, theatre, dance and design.
The total area should include:
- hard surfaced, sheltered space to sit and socialise, including those accessed from adjacent teaching spaces;
- large hard-surfaced areas for more active play.
And may also include rooftop play areas or 'playdecks' at upper floors that may be available to pupils in confined sites.

Habitat
Habitat areas can include a range of outdoor classroom spaces and designs to provide a valuable resource for teaching and learning across the whole curriculum, as well as for children's emotional, social and cultural development. They are important for involving pupils in the life and management of the school.
The total habitat area should include grounds developed for a range of supervised activities, for instance meadowland, wildlife habitats (such as ponds), gardens and outdoor science areas to support the curriculum.

Buildings and Access
The non-net site area will vary depending on the configuration of the site and buildings. It will include:
- the 'footprint' of the buildings;
- delivery access;
- refuse areas (service or distant from the buildings);
And will usually include:
- hard surfaced play courts and related landscaping not normally available to pupils;
- car parking (usually equivalent to one parking bay per teacher plus a few bays for visitors and the disabled)
And may include:
- space for coaches, buses or taxis to safely drop-off pupils, particularly those with SEN or disabilities.
- cycle and scooter storage for pupils.
It is most important to consider means of separating children's pedestrian access from vehicular circulation delivery areas and parking and for promoting adequate, visible secure bicycle storage for older pupils.

Totals

Total Site Area	112,665m2
Sports Pitches	62,000m2
Games Courts [hard surfaced]	3,250m2
Soft informal and social	5,200m2
Hard informal and social	2,800m2
Habitat	1,500m2
Buildings and Access	20,300m2

Based on drawing or sketch no
BP4L_SHA_AWP_DR_94_BW_LL_01 P01

DCSF Site Areas

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REV.	DESCRIPTION.	DATE.	REV.	DESCRIPTION.	DATE.
P01	Preliminary Issue.	04.09.09			
P02	Areas amended in accordance with changes to Masterplan. LS	12.10.09			

Barnsley Partnership For Learning

Design Risk Management Reference:
CDM/

awp

PROJECT
Barnsley BSF - Shafton ALC School

DRAWING TITLE
DCSF Areas

DRAWING No.	SCALE (A1)	DATE	DRAWN	CHKD
BP4L_SHA_AWP_DR_94_BW_LL_03 P03	1:1000	19-10-2009	AH	JH

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REVISION	DESCRIPTION	DRAWN	CHECKED	DATE	KEY PLAN
P02	Submitted for planning	SH		06.10.09	
FIRST ISSUE	Stage D Issue	SH		05.10.09	

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21 OCT 2009
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PROJECT TITLE: Shafton Advanced Learning Centre

PROJECT NUMBER: P2003083

DRAWING TITLE: Detailed Elevation
Courtyard Typical Bays
Gridline 3-7

SCALE: 1:50@A1

DATE: 02.10.09

DRAWING No: BP4L_SHA_BDP_DR_21_BW_LL_04

REVISION: P02



Black
21162 Sacramento
Rockit Ternlliner

Stone coloured concrete
smooth.

Orange Render
Smooth finish

Wind Catchers
Sulphur Yellow

Kawneer windows
Solar glass (where required)
Frame colour RAL 7016

Actuated windows
Frame colour RAL 2011
Deep Orange

Black
Concrete

Translucent Cladding
Polycarbonate

Timber Cladding

Acoustic Attenuated Louvres
RAL 7035

Opaque enamelled glass
Mid Grey
Frame colour RAL 7016

Kawneer Curtain Walling
Solar glass (where required)
Frame colour RAL 7035

H J K M

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REVISION	DESCRIPTION	DRAWN	CHECKED	DATE
P03	Submitted for planning	CB		14.10.09
P02	Pre - Planning Comment	SH		06.10.09
FIRST ISSUE	Stage D Issue	SH		05.10.09

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PROJECT TITLE
Shafton Advanced Learning Centre

PROJECT NUMBER
P2003083

DRAWING TITLE
Detailed Elevation
South facade Typical Bays
Gridline H-M

SCALE
1:50@A1

DATE
29.09.09

DRAWING NO.
BP4L_SHA_BDP_DR_21_BW_LL_04

REVISION
P03



F D C B A

Black 2162 Sacramento Rocka formliner	Stone coloured concrete smooth	Orange Render Smooth finish	Wind Catchers Sulphur Yellow
Black Concrete	Translucent Cladding Polycarbonate	Timber Cladding	Acoustic Attenuated Louvres RAL 7035

Kawneer windows Solar glass (where required) Frame colour RAL 7016	Actuated windows Frame colour RAL 2011 Deep Orange
Opaque enamelled glass Mid Grey Frame colour RAL 7016	Kawneer Curtain Walling Solar glass (where required) Frame colour RAL 7035

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REVISION	DESCRIPTION	DRAWN	CHECKED	DATE
P04	Submitted for planning	CB		14.10.09
P03	Pre - Planning Comment	SH		06.10.09
P02	Stage D Issue	SH		05.10.09
FIRST ISSUE		SH		22.09.09

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PROJECT TITLE: Shafton Advanced Learning Centre

PROJECT NUMBER: P2003083

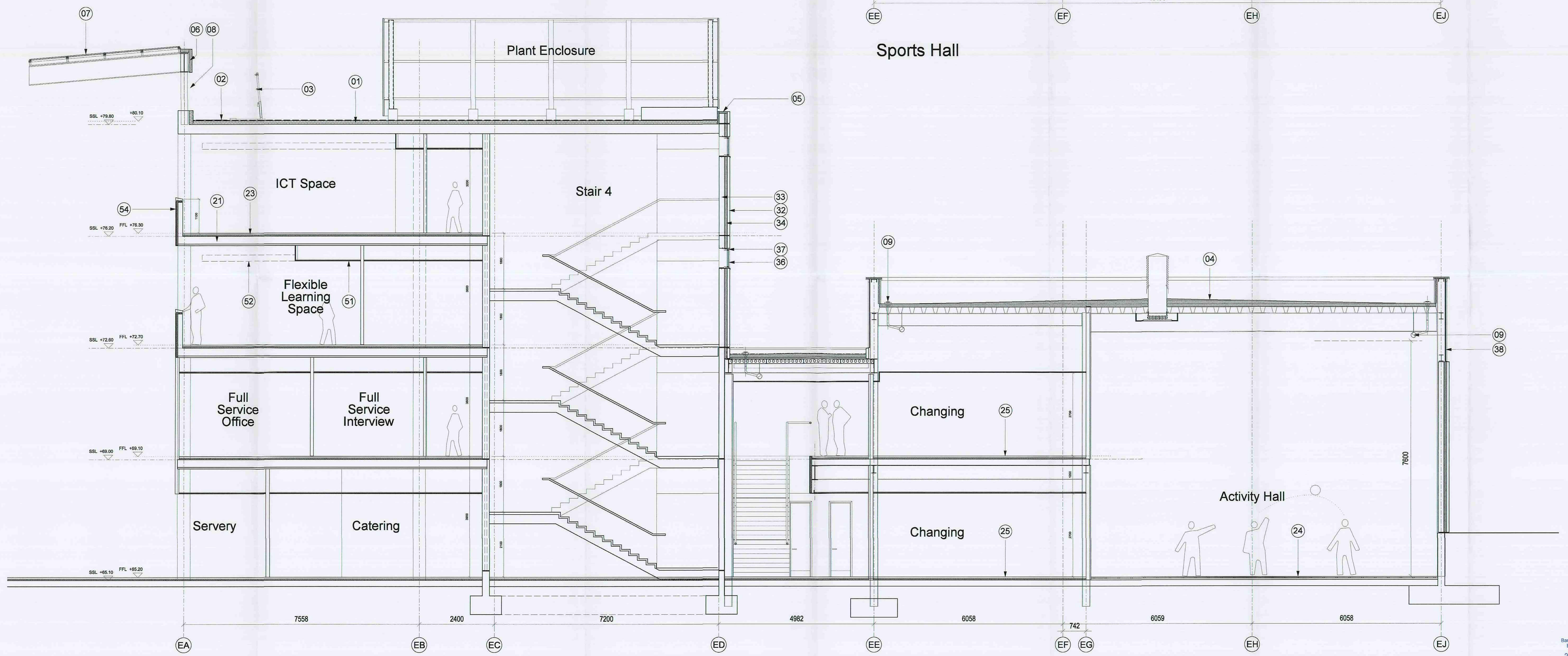
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SCALE: 1:50@A1

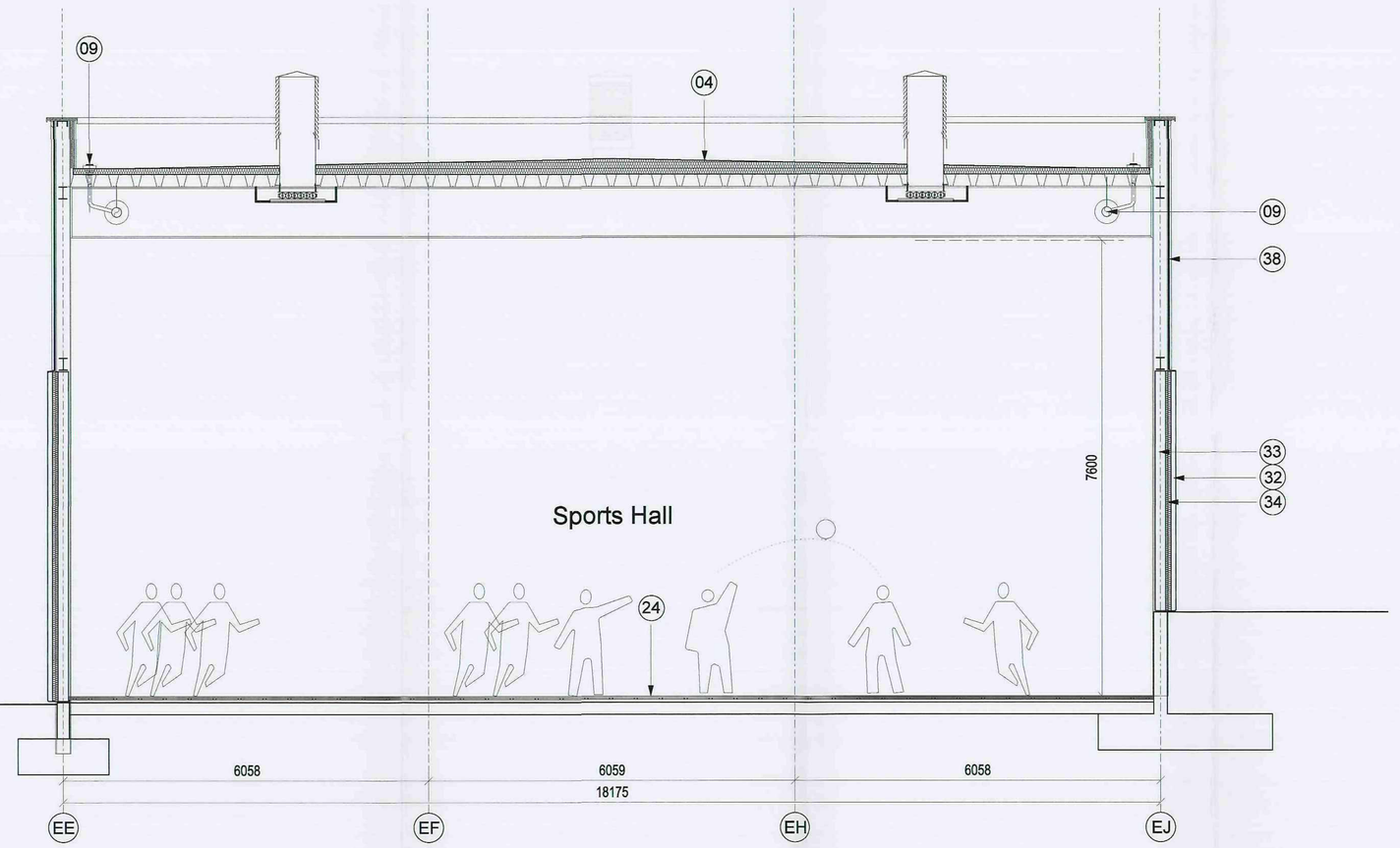
DATE: 22.09.09

DRAWING No: BP4L_SHA_BDP_DR_21_BW_LL_03

REVISION: P04



Sports Hall & Building Abutment (Core 4)



Sports Hall

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NOTES

01 Single Ply Membrane on tapered insulation

02 Reinforced Walkway, Integral with Roof Membrane to all maintenance access routes

03 Balustrading to enclose all maintenance access walkways

04 Single Ply Membrane on Tapered Insulation on Perforated Structural Profile Deck with integral Acoustic mat to SRL requirements.

05 Polyester Powder Coated, secret fix aluminium coping system

06 Composite panels to vertical roof faces

07 Polyester powder coated roof glazing system with a mixture of solar controlled glazing and solid insulated cladding panels (see roof plan) horizontal joints to be capless to facilitate clear draining

08 Actuated, acoustically attenuated louver (controlled by CO*sensor and temperature)

09 Siphonic rainwater system to specialist subcontractors design

21 300mm slab (50mm precast panels and 250mm insitu concrete). Underside to be exposed to act as a thermal mass.

22 200mm concrete floor slab on 100mm insulation

23 100mm floor finish zone. 50mm screed on 50mm insulation incorporating under floor heating

24 Timber sprung sports/activity floor

25 Screeds laid to falls in changing rooms / shower areas

31 7.8m x 3.6m x 80mm thick Black Pre-Cast concrete panels. Panel cast with 2/162 Sacramento, Reckli mould

32 7.8m x 3.6m x 80mm thick Black Pre-Cast concrete panels. Panel smooth finish

33 7.8m x 3.6m x 175mm thick precast structural concrete panel

34 88mm panel infill insulation to achieve a U value of _____

35 Internally exposed precast concrete wall finish

36 Aluminium window system

37 Double glazed unit with solar control glass where required

38 Translucent polycarbonate cladding system to maximise natural daylight

39 Timber or Metal External Soffit boarding (Fire treated to Class 'O' below 3.0m only)

40 External PPC Aluminium Flat Soffit panel system

41 500mm Ø Smooth finish concrete column

43 Polyester Powder Coated Vertical Curtain Walling with Solar Control Glazing and Spandrel Panels

44 Vertical profile Composite Panel

51 Suspended ceiling / bulkhead

52 Floating service raft with acoustic absorption

53 Skirting

54 Acoustic absorption material

55 Perforated plasterboard for acoustic absorption

56 Metal balustrading to bridge links to maximise daylight penetration

57 Attenuated cross talk louvres to Mechanical Engeneers Design & Specification

58 Internal doors

59 Glazed side screen to main circulation and classroom doors

P03	Submitted for planning	CB	MC	14/10/09
P02	Pre - Planning Comment	IRJ	MC	06/10/09
P01	Stage 'D' Report	IRJ	MC	05/10/09
FIRST ISSUE		IRJ	MC	30/09/09
REVISION DESCRIPTION		DRAWN	CHECKED	DATE

KEY PLAN

CLIENT LOGO

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21 OCT 2009
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PROJECT TITLE
Shafton Advanced Learning Centre

PROJECT NUMBER
P2003083

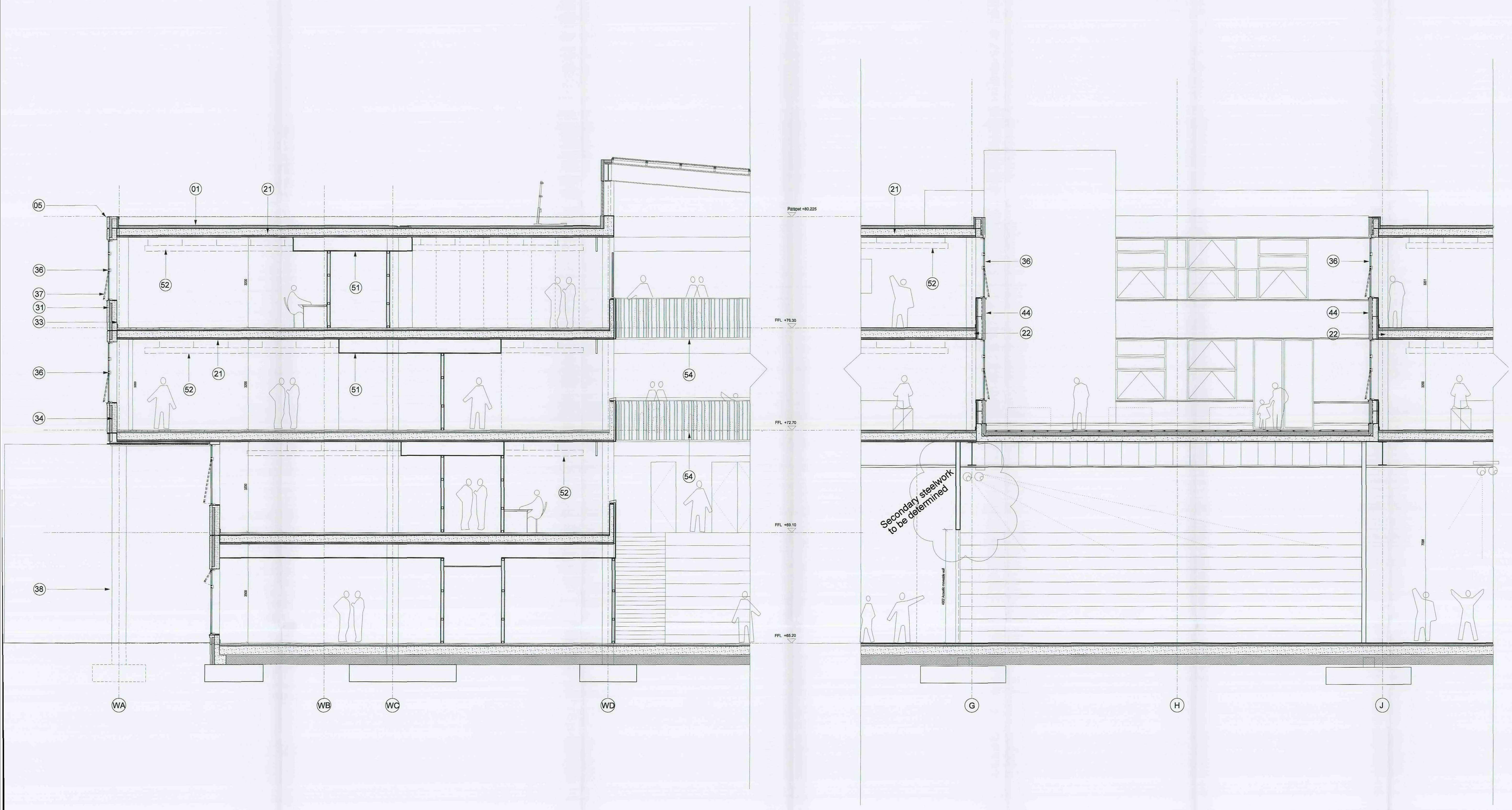
DRAWING TITLE
Detailed Sections
Sports Hall

SCALE 1:50@A0

DATE 19.06.09

DRAWING NO. BP4L_SHA_BDP_DR_20_BW_LL_12

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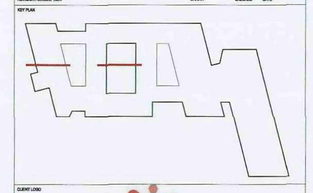
58 Internal doors

59 Glazed side screen to main circulation and classroom doors

P03	Submitted for planning	CB	MC	14/10/09
P02	Pre - Planning Comment	PHK	SC	06/10/09
FIRST ISSUE	Stage D	PHK	MC	05/10/09

REVISION DESCRIPTION — DRAWN — CHECKED — DATE

KEY PLAN



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PROJECT TITLE
Shafton Advanced Learning Centre

PROJECT NUMBER
P2003083

DRAWING TITLE
Detailed Sections
Courtyard and West facade

SCALE
1:20@A0

DATE
05.10.09

DRAWING No.
BP4L_SHA_BDP_DR_20_BW_LL_04

REVISION
P03