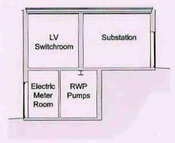
Energy Centre (scale 1:200 @ A1)

DRAWING NO. (BP4L DAR LAT DR 50 BW 00 01) Planning December 2008

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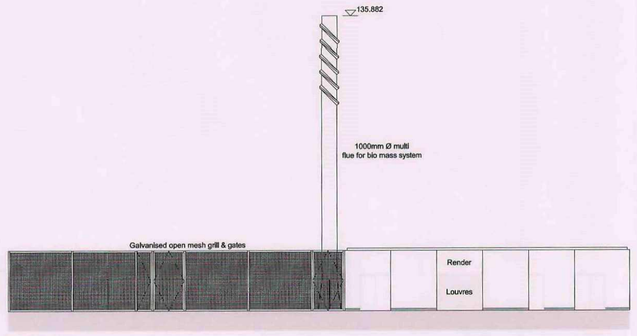
DARTON ALC



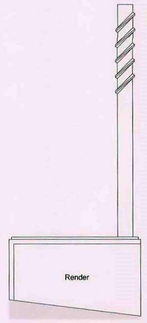
Section A-A



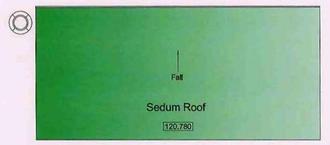
West Elevation



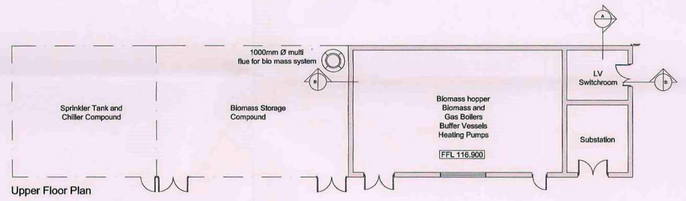
South Elevation



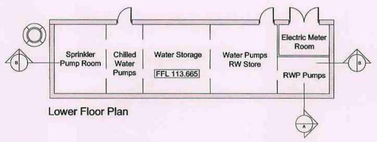
East Elevation



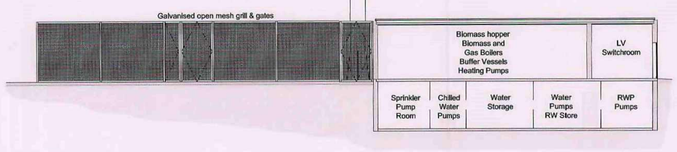
Roof Plan



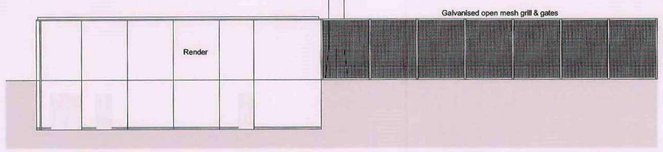
Upper Floor Plan



Lower Floor Plan



Section B-B



North Elevation

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level 3 (scale 1:250 @ A1)

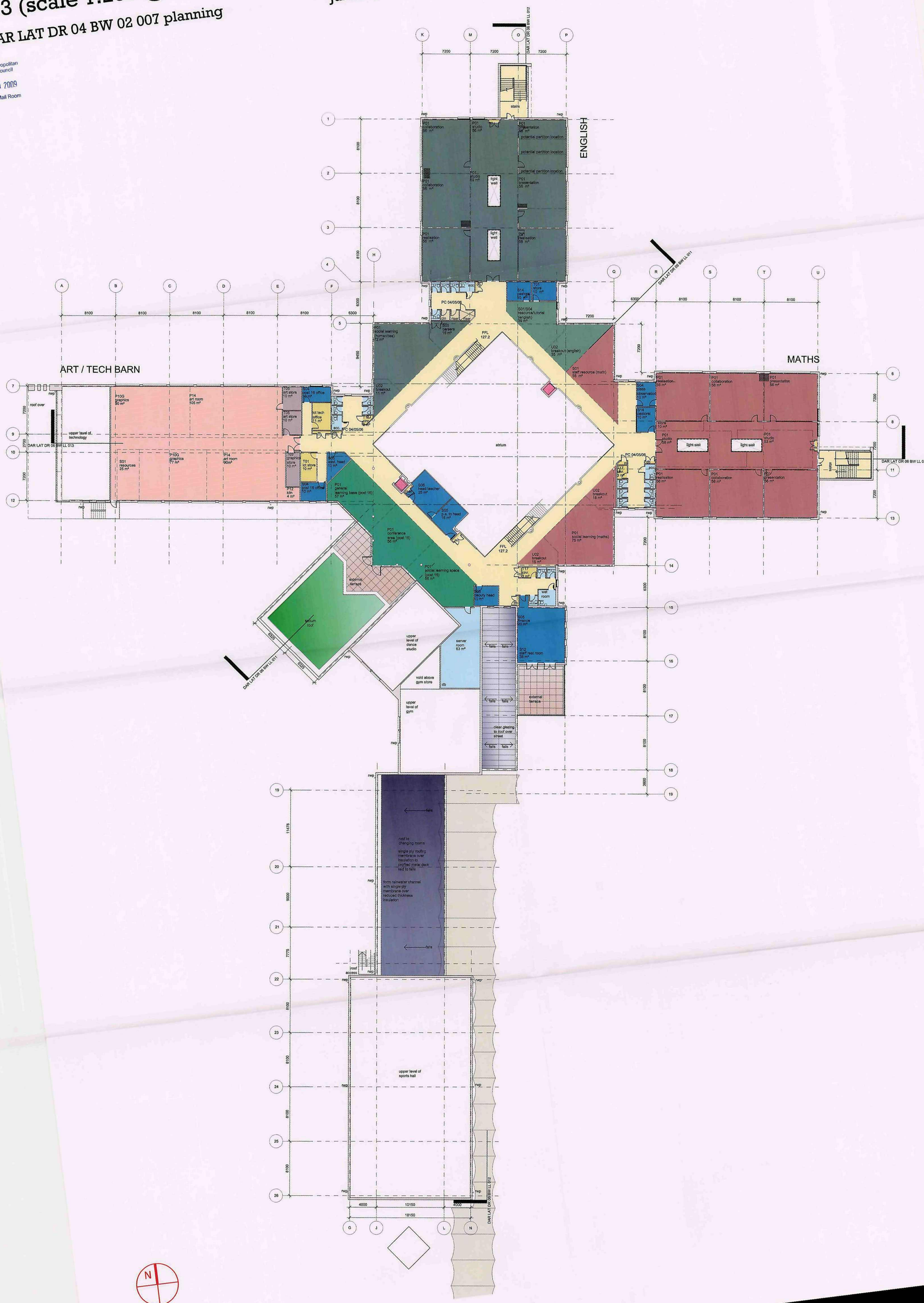
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level 2 (scale 1:250 @ A1)

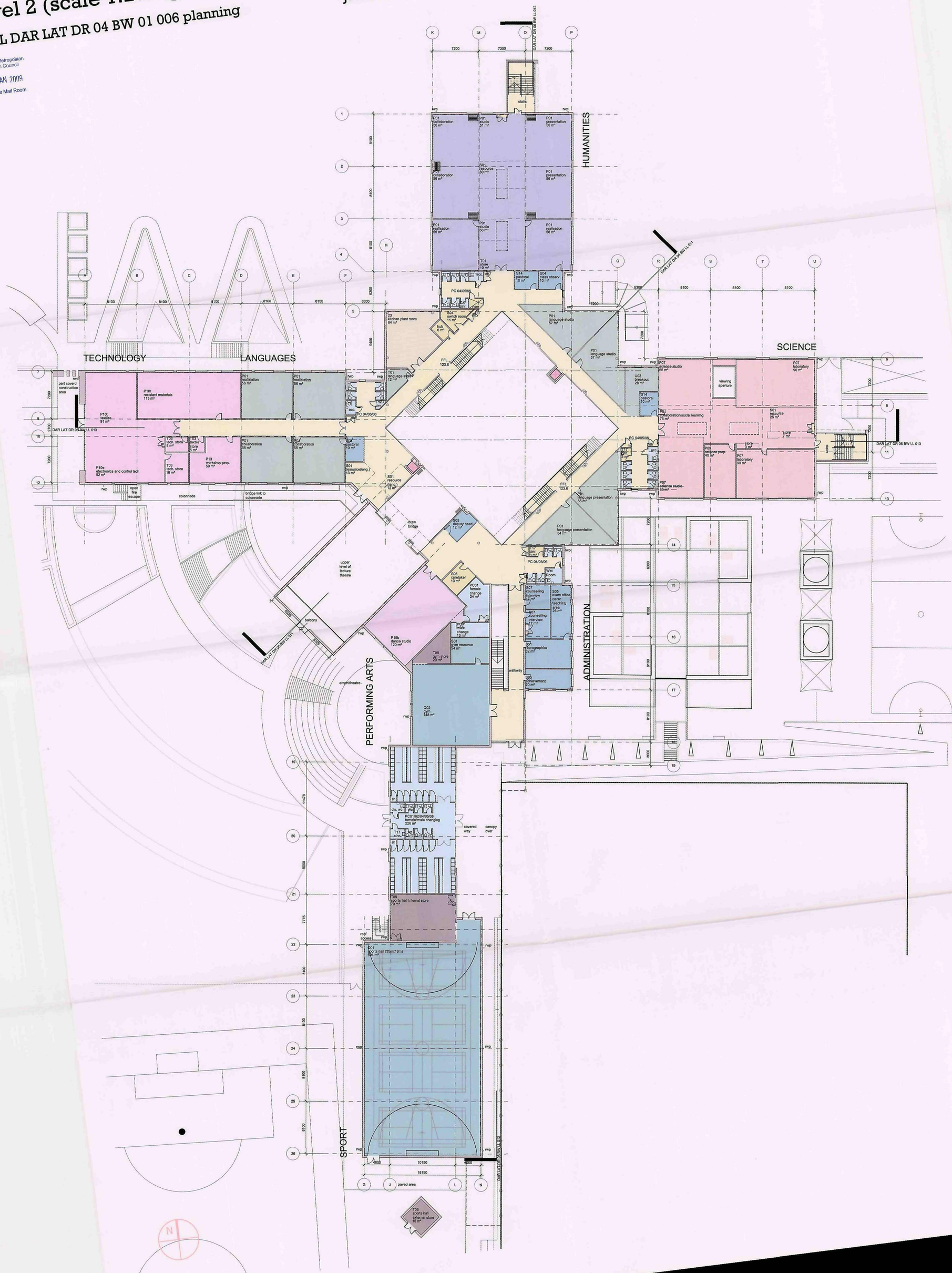
BP4L DAR LAT DR 04 BW 01 006 planning

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Level 1 (scale 1:250 @ A1)

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FOOD TECHNOLOGY

SOCIAL HUB

SCIENCE

MUSIC

ADMINISTRATION

DISC

sedum roof to biomass store & boiler room

passing point

service road, block paving

service road

service yard

grass

entrance lobby

glass fan canopy over

reception

servery

cycle store

steps up to upper gound level

steps within embankment

paved area

amphitheatre

existing floodlit astro turf area to be retained

DAR LAT DR 06 BW LL 012

DAR LAT DR 06 BW LL 013

DAR LAT DR 06 BW LL 014

DAR LAT DR 06 BW LL 015

DAR LAT DR 06 BW LL 016

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Site plan with topography (scale 1:1250 @ A1)

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Existing site plan (scale 1:1250 @ A1)

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BP4L DAR LAT DR 04 BW LL 01 planning December 2008 **DARTON ALC**

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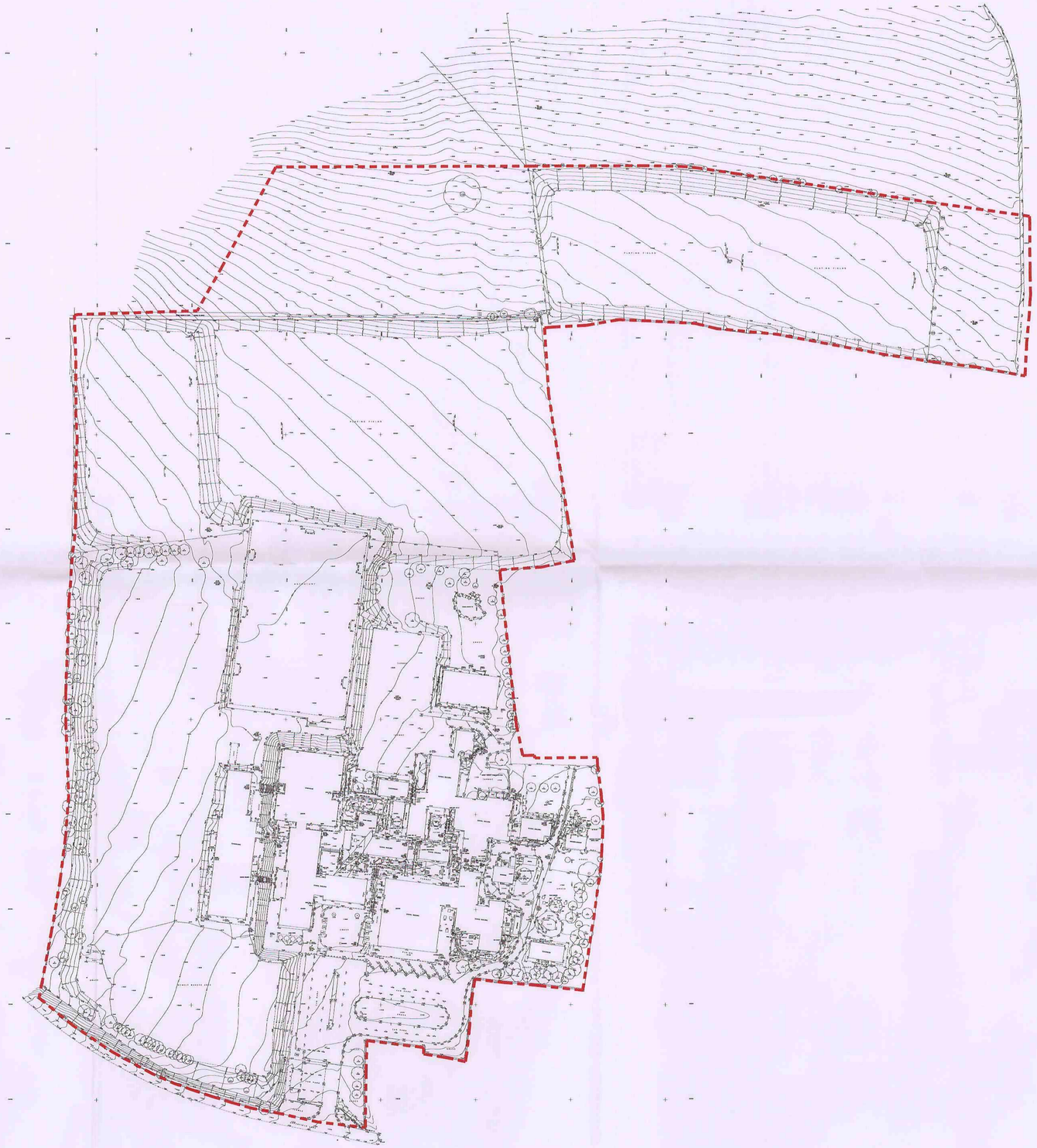
Existing Topographical Survey

BP4L_DAR_AWP_DR_94_BW_LL_00005 scale 1:1250@A1 December 08

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LEGEND

Site Boundary

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Landscape Masterplan

BP4L_DAR_AWP_DR_94_BW_LL_00001 scale 1:1000@A1 Dec 2008

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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
- Proposed individual tree planting
- Proposed structure planting
- Proposed shrub planting
- Proposed hedge planting
- Proposed amenity grass areas
- Proposed wildflower areas
- Proposed sports pitch areas
- Proposed pedestrian tarmac areas
- BP Proposed pedestrian tarmac areas with occasional vehicular use
- Proposed vehicular tarmac areas
- Proposed car park bay surfacing (porous system)
- P Proposed porous tarmac to hard games courts
- R Proposed red tarmac areas
- Proposed embankments/earth features
- Proposed feature paving. Large and small unit pavers to be detailed on hard landscape drawings. To be supplied by Marshalls or similar approved.
- Proposed bound gravel areas with small unit paver edge.
- Proposed rolled gravel areas with timber edge.
- Proposed pedestrian crossing
- Proposed ground graphics/edgings
- Trim trail/Orienteering stations
- Proposed covered cycle storage [132no]
- Proposed bus shelters
- Proposed formal/informal seating
- Potential location for tensile structure
- Proposed 2.4m high weldmesh fence with matching vehicular and pedestrian gates.
- Proposed 1.0m high pedestrian guardrail.
- 3m high Tarmac Games Area Fence with matching vehicular and pedestrian gates.
- Existing boundary treatments to be retained and repaired or repositioned where necessary.

Site Furniture type and location to be agreed with the school.		
Benches	Chantry Standard by Broxap, and/or WMB46 by Wybone	25 No.
Litter Bins	Derby Slimline by Broxap, and/or MV/40 by Wybone	20 No.
Picnic tables	Triangula Timber Table by Schoolscapes	10 No.
Bollards	Broxap BX14 6501B2-RT	15 No.

All products to be similar or approved.
Galvanised and polyester powder coated to an approved colour

NOTE
All doorways to have level access.
Manholes in paving to have recessed covers.

Notes
1. New junction from Balfield Lane
2. Main vehicular and pedestrian access point
3. Parent drop-off area
4. Bus drop-off (8no. spaces and 3no. shelters)
5. Main parking area
6. Remainder of parking and drop-off area
7. Screen planting
8. Secondary entrance gate to plaza
9. Pitch and putt area
10. Entrance boulevard
11. Service yard access
12. Potential area for sculpture feature/earth tubes
13. Feature banding
14. Disabled parking (4no. spaces)
15. Entrance plaza
16. Energy centre
17. Service yard
18. Ramp to higher level (construction deliveries)
19. Orchard and fruiting bushes on terraces
20. Kitchen garden
21. Habitat area containing woodland planting, bog garden and wallflowers
22. Construction yard
23. Quiet courtyard/exhibition area
24. Performance courtyard
25. Humanities garden
26. Art Garden
27. Amphitheatre
28. Viewing grandstand covered with tensile structure
29. Repair of existing hard surfacing outside the Sports Pavilion
30. Trim/ecological trail and orienteering stations
31. Medium football pitch (82x49m)
32. Large rugby pitch (94x55m)
33. Synthetic cricket wicket
34. Medium football pitch (82x49m)
35. Existing woodland area retained
36. Long/triple jump with space for high jump equipment
37. 2no. shot/discus circles
38. Rounders
39. Large football pitch (103x59m)
40. Medium football pitch (82x49m)
41. Athletics track - 400m, 6 lanes
42. Existing habitat area to be enhanced in conjunction with school
43. Disabled parking to Sports Pavilion - 7no. spaces
44. Existing ramp retained
45. Existing hard surface retained and ground graphics added
46. Existing glade for rounders retained
47. Soft play area
48. Active hard play area with court markings
49. Tensile canopies - 3no.
50. Hard play area for quiet activities and also used as maths/science courtyard
51. Proposed cycle parking - 132no. cycles
52. Hard games courts (6no. tennis/6no. basketball/2no. 5-a-side)
53. Existing public right of way
54. Existing synthetic turf pitch
55. Science garden
56. SEN garden
57. Farmers access with timber gates
58. Potential bandstand/canopy

N

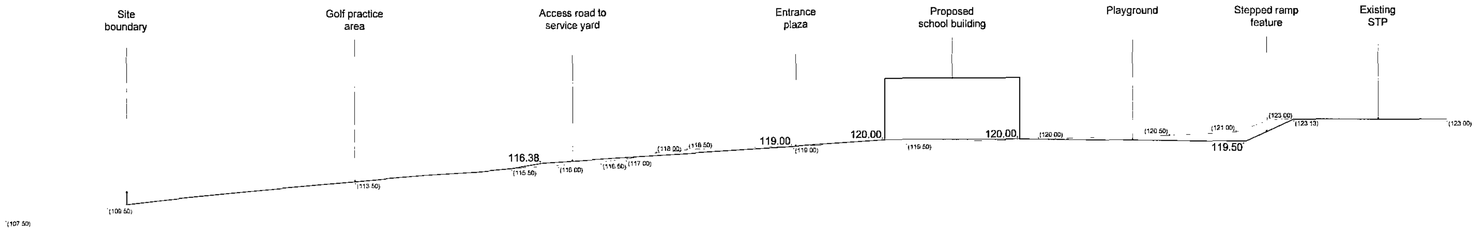
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Site Sections

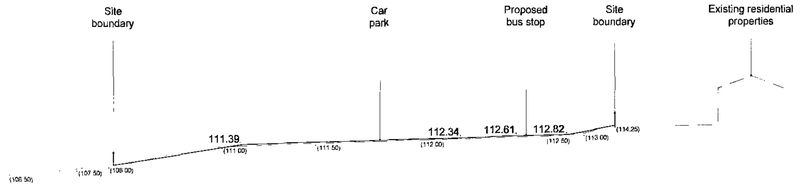
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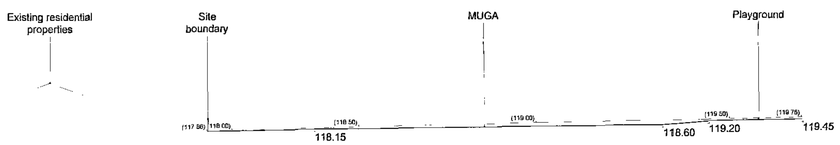
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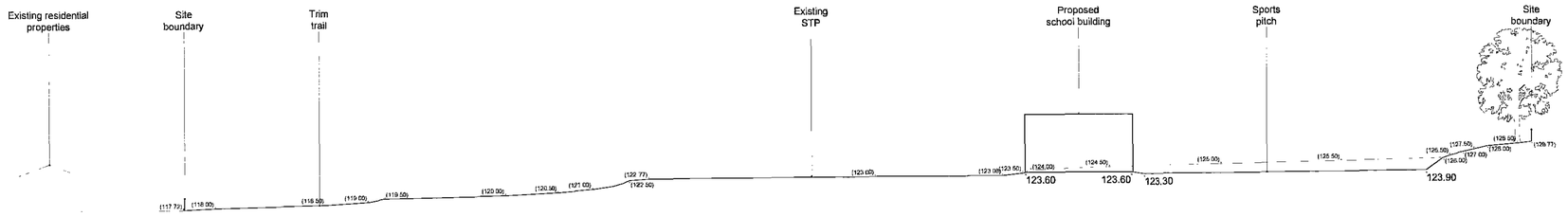
Section A-A



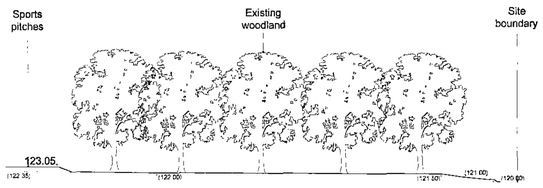
Section B-B



Section C-C



Section D-D



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.



Location Plan - Not to scale

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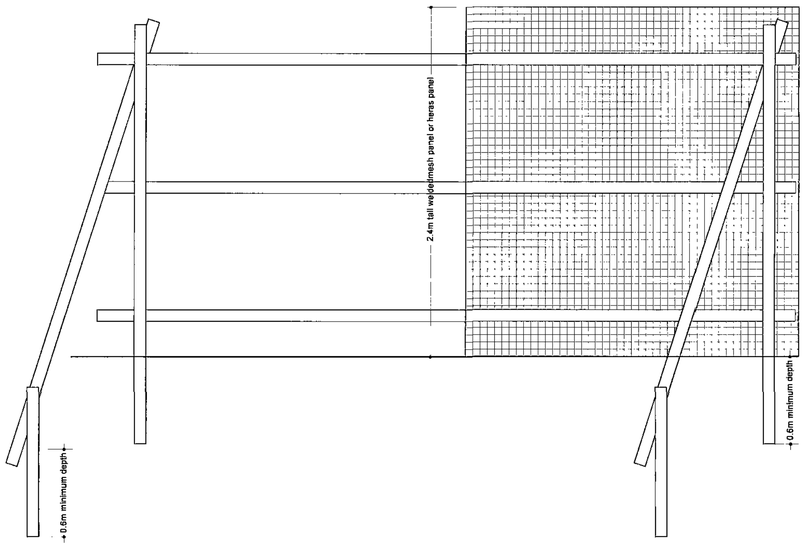
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Tree Protection Plan

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DARTON



TREE PROTECTION FENCING - 2.4M HIGH MESH

Fencing Specification (2.4m high mesh)

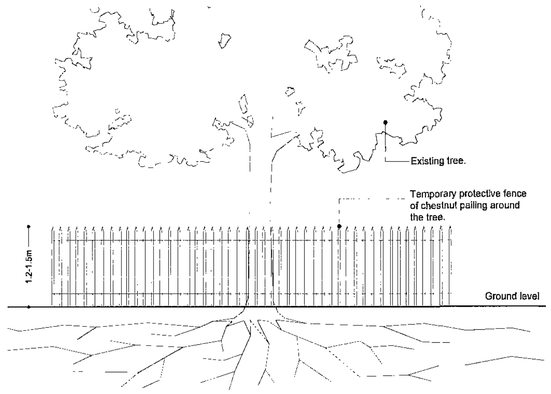
Retained trees need to be protected in line with British Standard: *5837:2005 Trees in relation to construction - Recommendations.*

The fencing/barriers will be erected prior to construction and will remain 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 scaffold tubing which is adequately braced to resist impacts. The vertical scaffold tubes 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 scaffold framework with wire or scaffold clamps. The wire or scaffold clamps will be secured on the inside of the barrier 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.



SPECIFICATION (1.2m high Chestnut Pale)

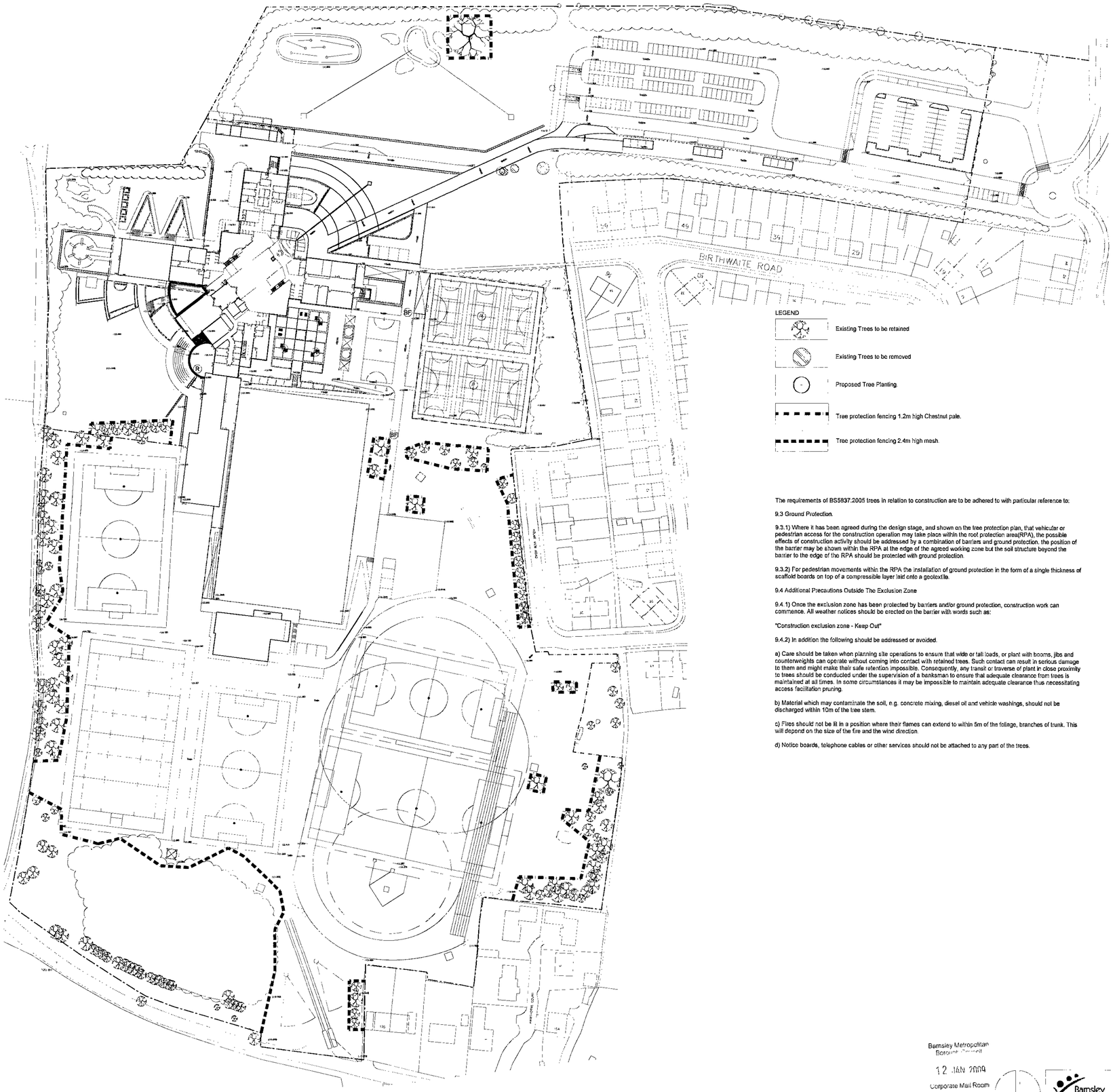
1.2m Chestnut Pale
To be protected by 1.2m high Chestnut pale fence supported by 1800x100mm half round untreated posts at 1800mm centres, 2no. 38x87mm rails. Chestnut paling fixed to rails.

All protective fencing to be erected prior to demolition and shall remain in place to the satisfaction of the LPA, until development works have been completed or as agreed with LPA in writing.

NOTES

Prior to the commencement of any work whatsoever, or any materials being brought on site, existing trees to be retained are to be protected from damage by a 1.2-1.5m high cleft chestnut fence or similar. This shall be maintained in good and effective condition until the work is completed.
The protective fencing is to coincide, as far as is practical, with the spread of the branches and in accordance with BS 5837 'Trees in relation to construction'.
The following measures are particularly important:
a) Materials are never to be stacked within the root spread of the tree;
b) No oil, tar, bitumen, cement or other material is to be allowed to contaminate the ground within the root spread of the tree;
c) No fires shall be lit beneath or in close proximity to the tree canopy;
d) Trees to be retained should not be used as anchorages for equipment or for removing stumps, roots or other trees, or for other purposes;
e) No notices, telephone cables or other services should be attached to any part of the tree;
f) Cement mixing should not be carried out within the canopy/protected area of the tree;
g) Soil levels are to be maintained as existing within the root spread of the tree.
Any alteration to soil levels in an area up to one and a half times the diameter of the tree canopy must be agreed with the landscape architect.

TREE PROTECTION FENCING - 1.2M HIGH CHESTNUT PALE



LEGEND

- Existing Trees to be retained
- Existing Trees to be removed
- Proposed Tree Planting.
- Tree protection fencing 1.2m high Chestnut pale.
- Tree protection fencing 2.4m high mesh.

The requirements of BS5837:2005 trees in relation to construction are to be adhered to with particular reference to:

9.3 Ground Protection.

9.3.1) Where it has been agreed during the design stage, and shown on the tree protection plan, that vehicular or pedestrian access for the construction operation may take place within the root protection area(RPA), the possible effects of construction activity should be addressed by a combination of barriers and ground protection, the position of the barrier may be shown within the RPA at the edge of the agreed working zone but the soil structure beyond the barrier to the edge of the RPA should be protected with ground protection.

9.3.2) For pedestrian movements within the RPA the installation of ground protection in the form of a single thickness of scaffold boards on top of a compressible layer laid onto a geotextile.

9.4 Additional Precautions Outside The Exclusion Zone

9.4.1) Once the exclusion zone has been protected by barriers and/or ground protection, construction work can commence. All weather notices should be erected on the barrier with words such as:

"Construction exclusion zone - Keep Out"

9.4.2) In addition the following should be addressed or avoided.

a) Care should be taken when planning site operations to ensure that wide or tall loads, or plant with booms, jibs and counterweights can operate without coming into contact with retained trees. Such contact can result in serious damage to them and might make their safe retention impossible. Consequently, any transit or traverse of plant in close proximity to trees should be conducted under the supervision of a banksman to ensure that adequate clearance from trees is maintained at all times. In some circumstances it may be impossible to maintain adequate clearance thus necessitating access facilitation pruning.

b) Material which may contaminate the soil, e.g. concrete mixing, diesel oil and vehicle washings, should not be discharged within 10m of the tree stem.

c) Fires should not be lit in a position where their flames can extend to within 5m of the foliage, branches of trunk. This will depend on the size of the fire and the wind direction.

d) Notice boards, telephone cables or other services should not be attached to any part of the trees.

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EXTERNAL PERSPECTIVES

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ENTRANCE FROM BOULEVARD



VIEW FROM SOUTH-WEST

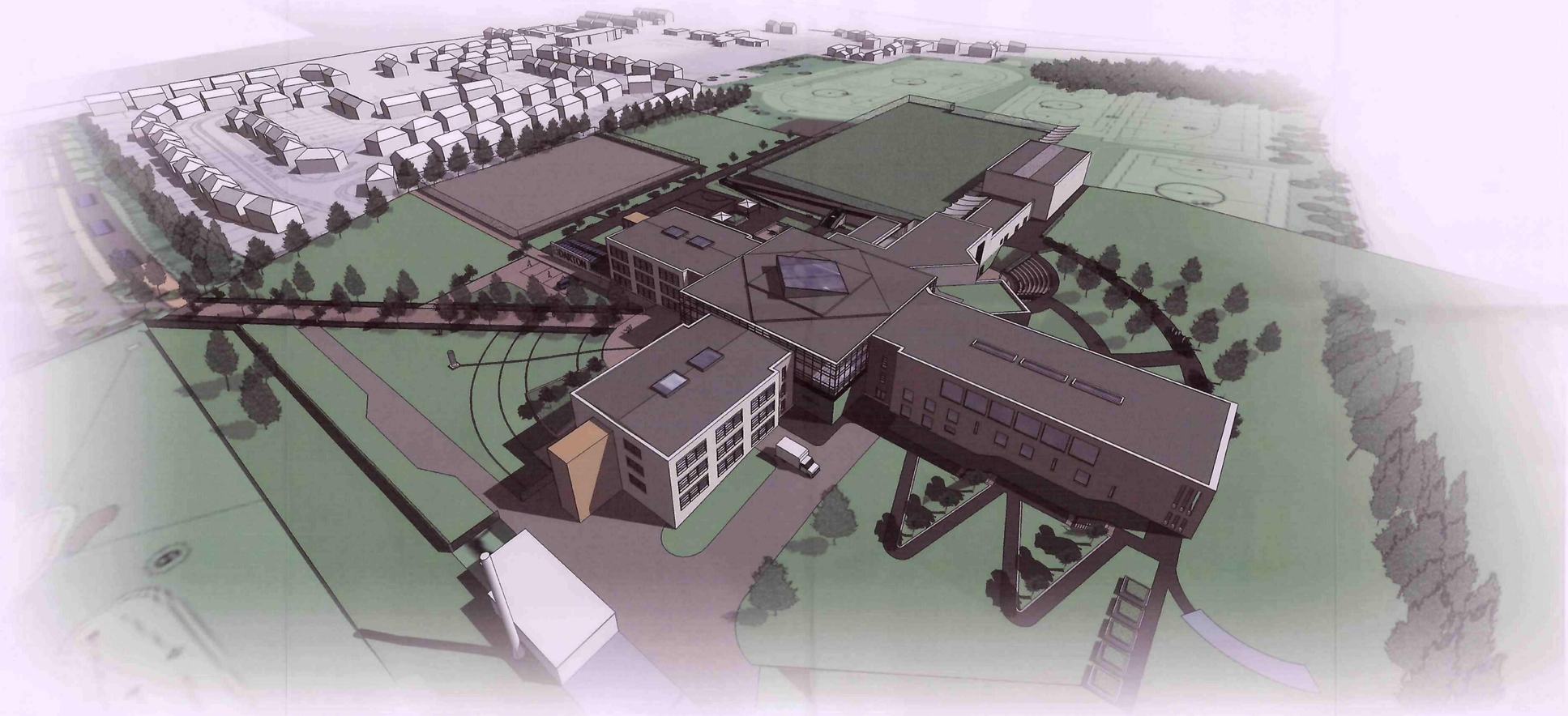
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EXTERNAL PERSPECTIVES

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ELEVATIONS

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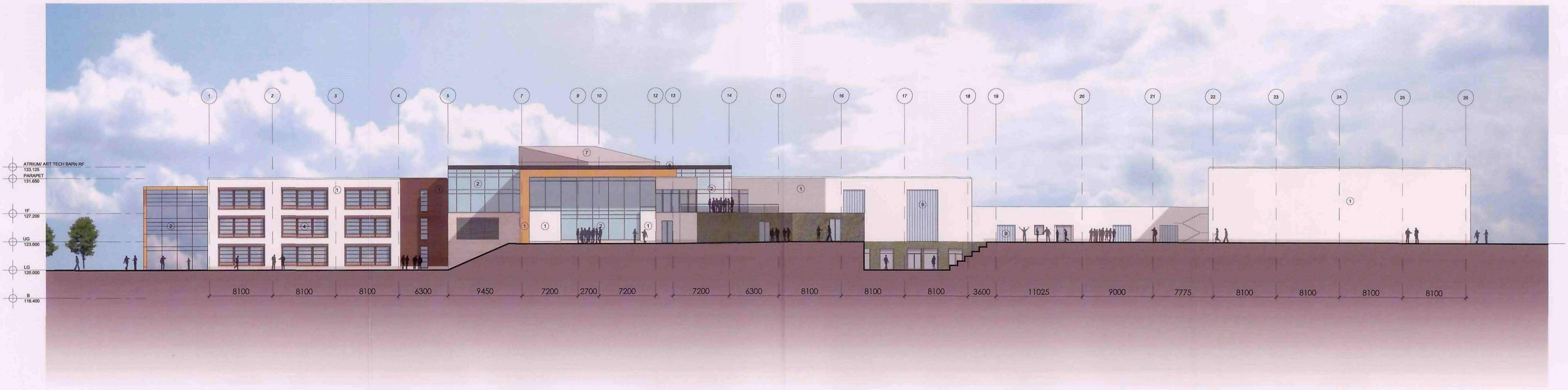
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SCHEDULE OF MATERIALS

1. Sto1therm "Classic" acrylic render with stippled finish (or equal approved).
2. Curtain walling system with clear solar control glass double glazing, top hung openable lights to each level.
3. White tensile structure to walkway
4. Kawneer window system (or equal approved). Ppc finish to aluminium frames and clear solar control double glazing. top hung opening lights.
5. Facing brickwork
6. KalZip standing seam aluminum roof with 2° pitch (or equal approved).
7. North Light structure over atrium. Clear double glazed panels to north lights with white translucent panels (or equal approved) to monopitched roof. incorporate motorised opening lights vertical clear glazing and motorised louvres to to side cheeks for natural ventilation.
8. Staircase enclosure to learning clusters . Curtain walling to glazed areas, insulated panels to two walls.
9. insulated translucent panels.
10. Insulated cladding panels; Kingspan oea. Joint line locations illustrated are indicative only and do not represent the final layout.



South Elevation (scale 1:250@A1)



West Elevation (scale 1:250@A1)

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ELEVATIONS

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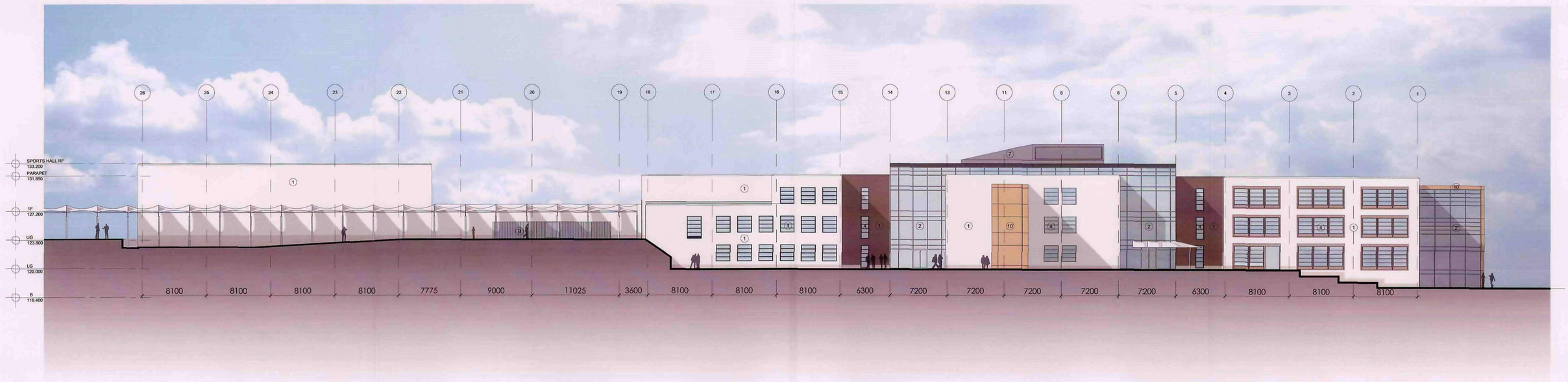
DARTON ALC

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North Elevation (scale 1:250@A1)



East Elevation (scale 1:250@A1)

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Section 3 (scale 1:250@A1)

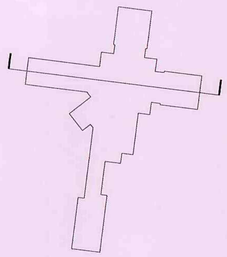
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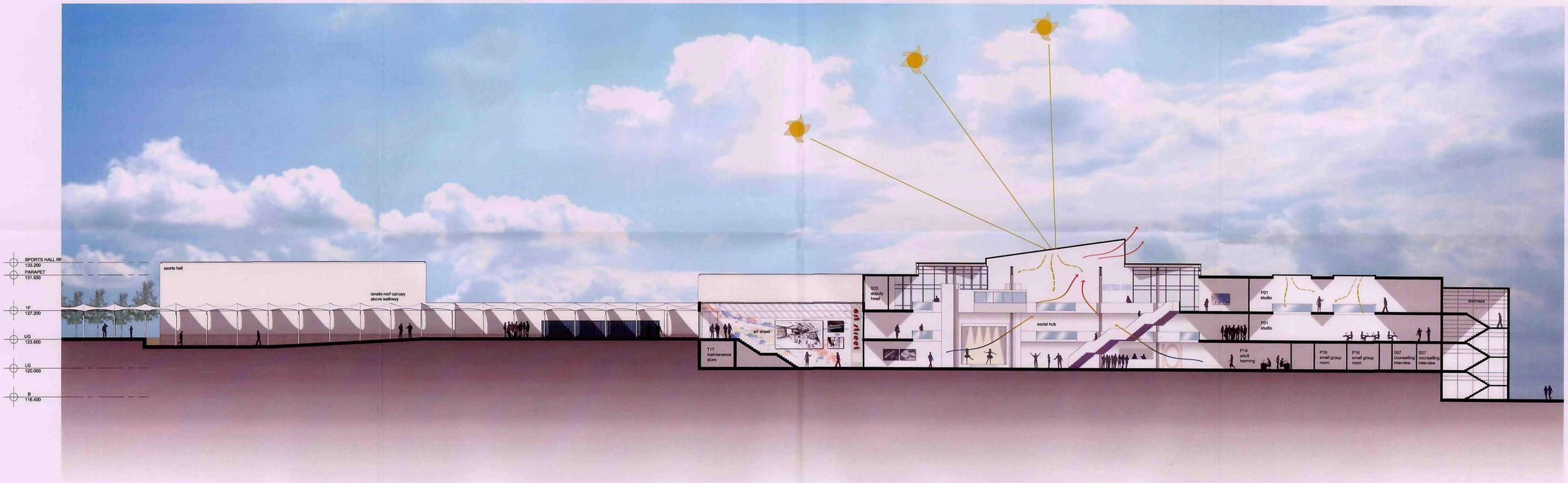
Section 2 (scale 1:250 @A1)

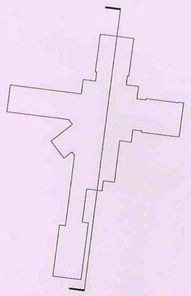
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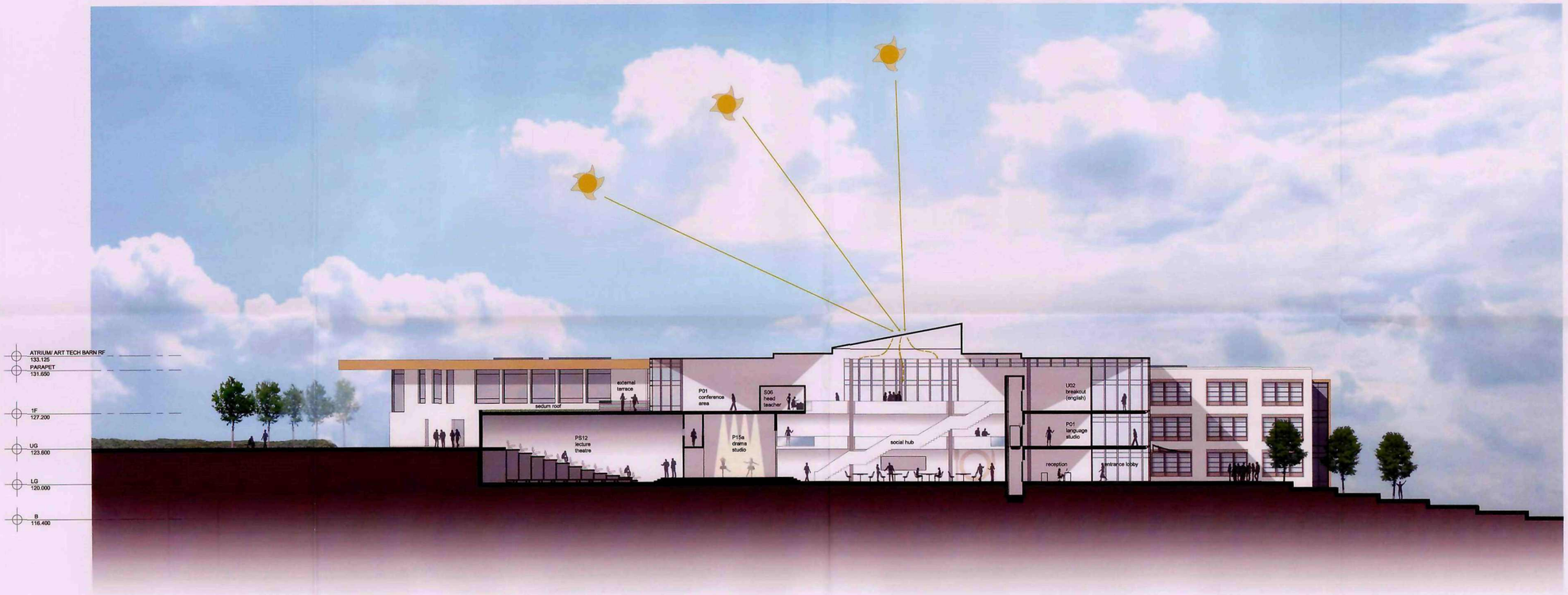
Section 1 (scale 1:250@A1)

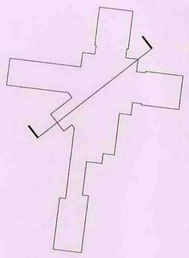
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Level 4 (scale 1:250 @ A1)

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Barnsley Metropolitan Borough Council

12 JAN 2009

Corporate Mail Room

January 2009

Barnsley Partnership for Learning

DARTON ALC

