

HEYFORD PARK FREE SCHOOL Feasibility Study





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INTRODUCTION

This report shows the likely effect of adding two additional forms of entry to Heyford Free School from year 7 onwards.

Dorchester Living have requested ADP to model the impact of this proposal on the two campuses and to determine whether any additional land is required to accommodate the expansion.

Our study is based on the as-built accommodation schedule, a site visit and a copy of the schools current timetable. ADP have completed this initial study together with the specialist educationalist lan Moore.

To summarise, it is suggested that no further land is required on either site for the expansion, if the teaching spaces are moved as suggested within this report. However, the officer's mess site would benefit from use of the old access road to the east of the school to allow additional car parking and reduce the number of crossovers between teaching and play areas. The school would also benefit from utilising the site occupied by the separate building to the north of the site, however, this is optional.

Further consultation will be required with the school to determine whether there is adequate external sports provision to cater for the increase in students. This is due to the fact that the required external sports provision is dependent on how the school plan to use the available area and whether an over-lap between primary and secondary provision is acceptable.

In addition to this, it is important to determine the travel plan to ascertain how the external sports areas can be used. That aside, an allweather pitch or additional sports grounds would improve the schools offer above the existing provi-sion.

To develop the feasibility study further, and to confirm the initial findings, ADP recommend a detailed consultation with the school to ensure their vision and aspirations are addressed, together with any operational improvements that can be introduced now that the school has been in use for a few years.

Please note that ADP have made a number of assumptions on legal boundaries and, therefore, the feasibility study should be considered indicative until these are confirmed.

ADP have not discussed this study with any external parties, and an early planning consultation is recommended before the study is concluded.





EDUCATION REPORT

Heyford Park School expansion to 4FE at Secondary level

BB98/BB103 indicates the following gross areas for indoor space;

- 2FE Primary & 28 place Nursery 2188 m2
- 4FE Secondary 6861 m2

This would mean that the combined GIFA for the two schools is around 7049m2 less a small amount of area that could be considered to be shared between the two. The School has a current Gross total GIFA of 4536m2 (source Heyford Park SoA ADP LLP). That would mean that we are looking of a shortfall in area of around 2513 m2.

There is no proposal to expand the Primary School. Focus has been on the Secondary asccommodation. Figures used going forward look at the classroom requirements.

I have assessed the current curriculum offer at Heyford Park. This has been done through using the current timetable information for Key Stage 3 & 4 and the information on the school website for the anticipated Sixth Form Curriculum. Numbers in the Sixth Form have been assumed to be 60 in each year group. For the purposes of this analysis it is also assumed that every year group is full.

Calculations assume a 90% occupancy of teaching spaces. This then allows some flexibility in curriculum offer for different cohorts of students.

Analysis shows that once full the school will

need 27 teaching spaces, two of which could be the sports hall and field. Therefore 25 classrooms are required for secondary teaching. There are currently 20 shown on the schedule of accommodation, split between the Officers Mess and the Sports Hall.

There is therefore a current shortfall of accommodation. This will not be an issue until the school is full and there are some economies that could be made to reduce the risk without as much new build. It should also be noted that a number of the classrooms are lower in area than that advised in the Schedule of Accommodation (SoA) document issued by the Department for Education (DfE).

The curriculum offer used for the calculations for a 4FE Secondary is scaled up from the current model. To this I have added a food and design subject within the GCSE options diet and allowed for the running of an additional Maths and English group to better support the weaker students.

This indicates that 42 teaching spaces will be required, three of which are the sports hall and PE spaces outside, giving a total of 39 classroom spaces. The DfE SoA also indicates 39 classrooms.

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Art	26	1.0	- 2	45.5%	26	1.0	2	45.5%	TRUE	173.0						1	1			
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Sath teaching	12	0.5	3 3	42.9%						.00										
Maths resit	9	0.4		32.1%						.00										
Business	9	0.4		32.1%						0.0										
Psychology	9	0.4		32.1%						0.0										
Sports Studies	9	0.4		32.1%						0.0									1	
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							27			Number Total are	5 E	4	15.	0	1 0	9 7	3	0	1	5

2 Form Entry - Sports Centre Site

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History	57	2.2		67.3%						0.0									
Music	- 11	0.4		37.5%	11	0.4	4	37,5%	TRUE	62.0									
Drama	14	0.6		50.0%	14"			50.0%	TRUE	90.0				4					
Art	32	13		57.1%	32	1.3	2	57.5%	TRUE	180.0				10.		- 4	4		
Science	167	8.6		85.2%	223	8.8	÷	88.5%	TRUE	726.0			2		3	4	-33	1	
Technology	41	16		73.2%		377				0.0					1 3	337			
PE GCSE	15	0.6		53.6%				55		0.0									
PE/Games	54	2.1		64.3%	54	2.1	-	64,3%	TRUE	744.0								1 1	1
Computing	24	1.0		85.7%	47	2.6	3	79.2%	TRUE	186.0			3.					13000	
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Business	17			58.9%			,			0.0									
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Soth teaching	20	0.8		71.4%		200		97/18/51/19	1/125	0.0									
Maths rest	9	0.4		32.1%			,			0.0									
Psychology	9	0.4		32.1%			,			0.0									
Sports Studies	18	0.7		64.3%						0.0									
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(Conguired space)								100		Area	0 16 41	. 5	62	90 0	0 90	83	97, 104	594 150	0
							42			Number Total are	0 0 5	2			0 3	55	1	1000	1

4 Form Entry - Sports Centre Site





EDUCATION REPORT

Having visited both sites and examined the Schedule of accommodation provided the following points/issues have come to mind:

- Access to play space, particularly at Primary level
- Access to music practice rooms at Primary level
- Access to an opportunity to cook at both key stages. At Secondary level the justification that the school size forces a restricted curriculum is sound on an economical level. However with Secondary doubling in size this key life skill should be part of the curriculum offer.
- 11-16 year olds walking between two sites some distance apart at a time when the school are in loco parentis.
- No clear boundary between the school playing field and the local community.
 This becomes a Safeguarding issue if students use the field at break/lunch and a health and safety issue if dogs leave mess on the field because of ease of access.

Which teaching accommodation to leave on the Officers Mess?

In an ideal world.....

- There are twelve classroom spaces on the officers mess site currently used by the Secondary part of the curriculum. In brackets are the numbers of classrooms where a change of use is suggested.
- A Primary School would make regular and good use of a drama and music facility and these are under used in the secondary curriculum plan. (2)
- The plan above indicates three classrooms for Sixth Form teaching. This can be increased to seven if we consider the other, non-science subjects. (7)
- The Nursery could move to the Officers mess site which may ease drop off as Nursey children tend to be nearer in age to Primary children (1)
- There could be an argument that if there is a Basic Need demand for a 2FE Primary there is a demand for a 56 place Nursery (1)
- If Food is taught as part of the Secondary curriculum this is usually best done in double lessons. Therefore the room could be on the Officers mess site as it will be against a break of some kind (1)

FE (6 in OM) Heyford	7.71							conside								nd Activiti						
	Area areas		Areas to build		Area units	Area a	parries sa		nck column - All True?		N	on Pri	etical	task	0	Prac	tical t	isk		Fac	& Sports dities	
Subject	Tetal	tarys Occasions		Actual occupancy	Total As	Serger Occupieros		cupancy	6	Area Sq Meters	16	41	55	62	90	90	83	97	104	504	150	some of an
English	123	4.9	- 5	87.5%	123	4.9	5	87.5%	TRUE	275.0			5		-							
Maths	115	4.6		82.1%	115	4.6	5	82.1%	TRUE	275.0			. 5									
MFL	54	2.1	3	63.7%	123	4.9	5	87.9%	TRUE	275.0			5									
Geography	31	1.2	2	55.4%						0.0												
History	39	1,5	2	68.8%						0.0												
Music	11	0.4		37.5%	11	0.4	1	37.5%	TRUE	62.0				1								
Drame	14	0.6		50.0%	14	0.6	1	50.0%	TRUE	90.0					1							
Art	32	1.3	2	57.1%	32	1.3	2	57.1%	THUE	180.0							1	-1				
Science	167	6.6	1	85.2%	223	8.8	9	88.5%	TRUE	726.0				2		3	4					
Technology	41	1.6	2	73.2%						0.0												
PE GCSE	- 15	0.6	1	53.6%						0.0												
PE/Games	54	2.1	3	64.3%	54	2.1	3	64.3%	TROUG	744.0										- 1	1 1	
Computing	24	1.0	1	85.7%	67	2.6	3	79.2%	TRUE	196.0				3								
ICT	26	1.0		46.4%						0.0												
Business	17	0.7	1	58.9%			5			0.0												
Support Curries	18	0.7	1	64.3%	18	0.7	1	64.3%	TRUE	41.0		1				m m						
Eng Resit	9	0.4		32.1%	173	6.9	7	88.3%	TRUE	343.0		3	4									
Sixth teaching	128	5.1		76.2%						0.0												
Maths resit	9	0.4	-1	32.1%						0.0		- 70	-									
Psychology	9	0.4		32.1%						0.0												
Sports Studies	18	0.7		64.3%						0.0												
Water County										4	2											

4 Form Entry - Officer's Mess Site





EDUCATION REPORT

The above suggestion will only have children transferring between sites when they are studying Art, Drama, Music and Food. Sixth Form will travel for Science.

The proposed layout for both sites will give the following advantages:

- Timetabling could allow each KS3 child to only require one set of 4 periods (e.g. a morning) on the Officers Mess site per week therefore reducing the need for travel between sites
- At KS4 only those students studying Art, Music, drama or Food will need to travel.
- Sixth Form will have most of their lessons on the Officers Mess site (except for Science, PE & engineering) leaving them with good adjacent work placements for supporting Primary learning as well as the potential to develop the more dedicated feel of a Sixth Form Centre.
- Primary children will have access to Music and Food. They could also access Art & drama.

Disadvantages to the suggestion:

- Drama is a black box in existence on the Sports Centre site. Does it become another indoor sports space? Current provision is Sports Hall (615), Fitness (44) Squash (56), total 715. The DfE SoA suggests Sports Hall (504) and Activity Studio (120), total 624.
- We are moving Science labs from the Officers Mess. However there is insufficient space on the Officers Mess site to extend the Science accommodation without going two stories

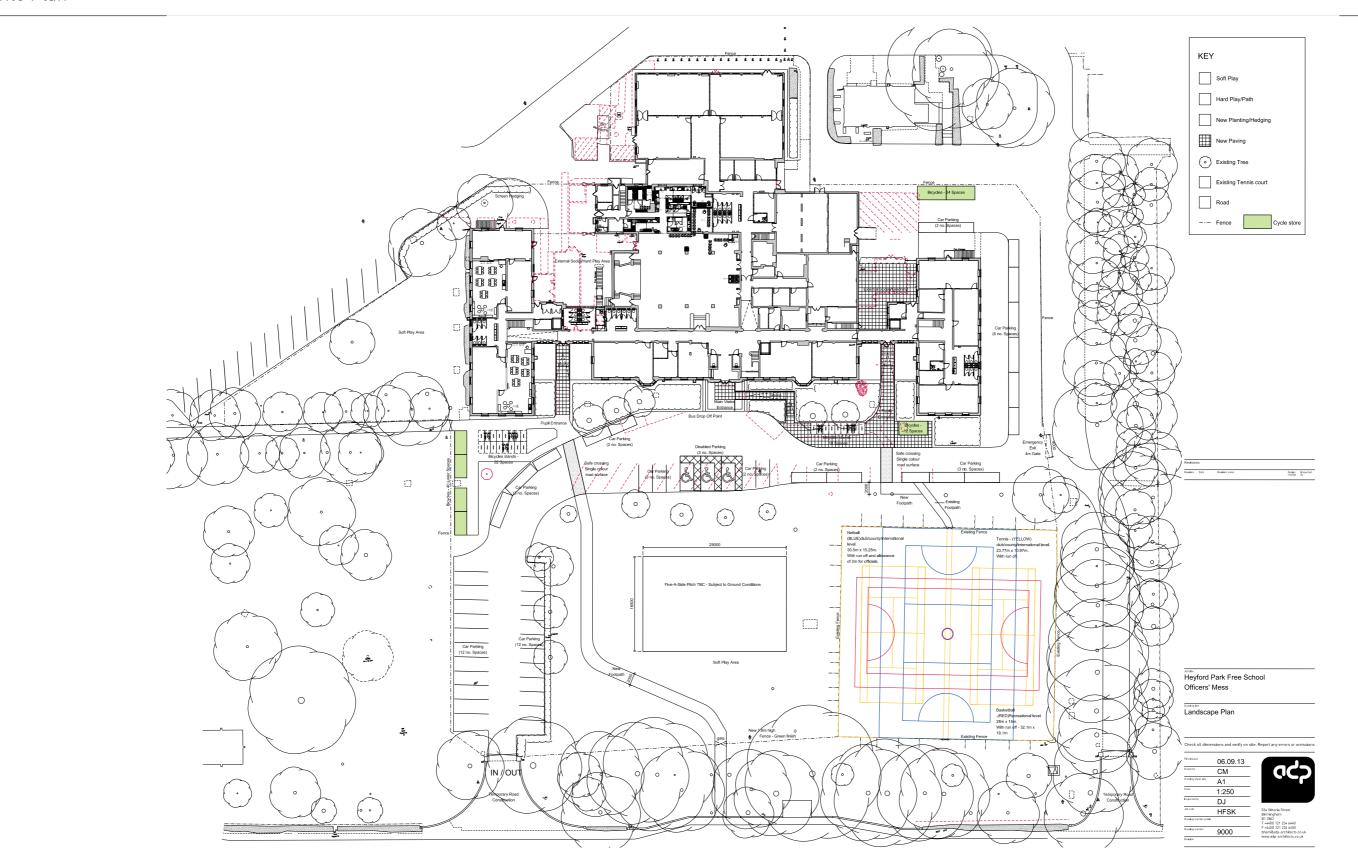
 and having to knock down existing Science classrooms.
- I assume the music at the sports centre is sound proofed





EXISTING PLANS - OFFICER'S MESS SITE

Site Plan

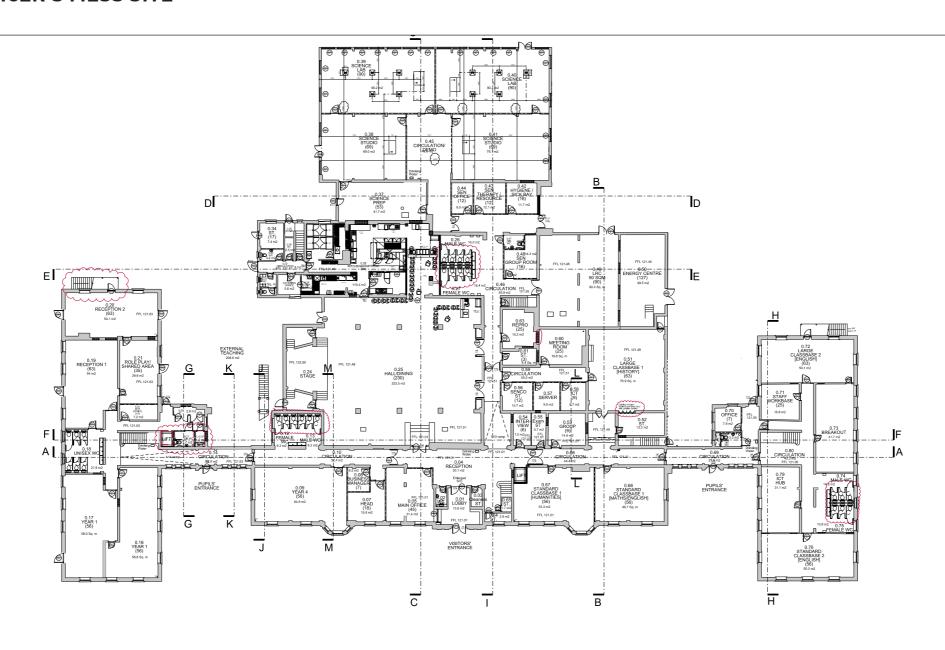






EXISTING PLANS - OFFICER'S MESS SITE

Ground Floor Plan



E prefix to all plan door tags denotes new door and frame instati into existing structural openings. The structural opening size with stripped out. Certain existing door frame pass stripped out. Certain existing Structural openings will require

PRELIMINARY CONSTRUCTION



Revision	Date	Revision notes	Design change	Inspe by
A	27.09.13	Door tags added. Stud partitions added to toilet cubicles. Toilet 0.15 and 0.11 amended to. allow for the existing escape stairs. Riser added behind the East wing lift.	IJ	NW
В	15.10.13	Door tags updated. WC 0.03 changed to cleaner's store. 0.39 and 0.40 double doors changed to single doors.	IJ	NW
С	17.10.13	- Lift sizes amended Doors added to Reception and - Doors added to Reception and - Doors added to Reception and - Sizk buy moved Sizk buy moved Sizk buy moved Door removed from Role play room - Door removed from Role play room - Door removed from Role play room - Door dood to remove from Role play room - Door buy to remove from Role play room - Door buy to remove from Role - Door buy to remove from Role - Door buy to remove from Role - Door buy added to kitchen roller - External canny added adjacent to the reception classrooms to the reception classrooms - System rather them stud work.	IJ	NW
D	17.03.14	- Lift to east wing omitted and replaced wit Disabled WC some provided with the control of the	h IJ	NW
Е	21.05.14	West Wing external stair retained. West wing lift location amended. Shutters retained in the History Classroom Stud partitions removed from all toilets.	IJ	NW
F	02 07 14	Planning	LI	D.

Heyford Park Free School Officers' Mess

Proposed Ground Floor Plan

Check all dimensions and verify on site. Report any errors or omission

First issued	06.09.13
Drawn by	CM
Drawing sheet size	A1
Scale	1:200
Inspected by	IJ
Job code	HFSK
Drawing number prefix	L-OM
Drawing number	1006
Revision	F



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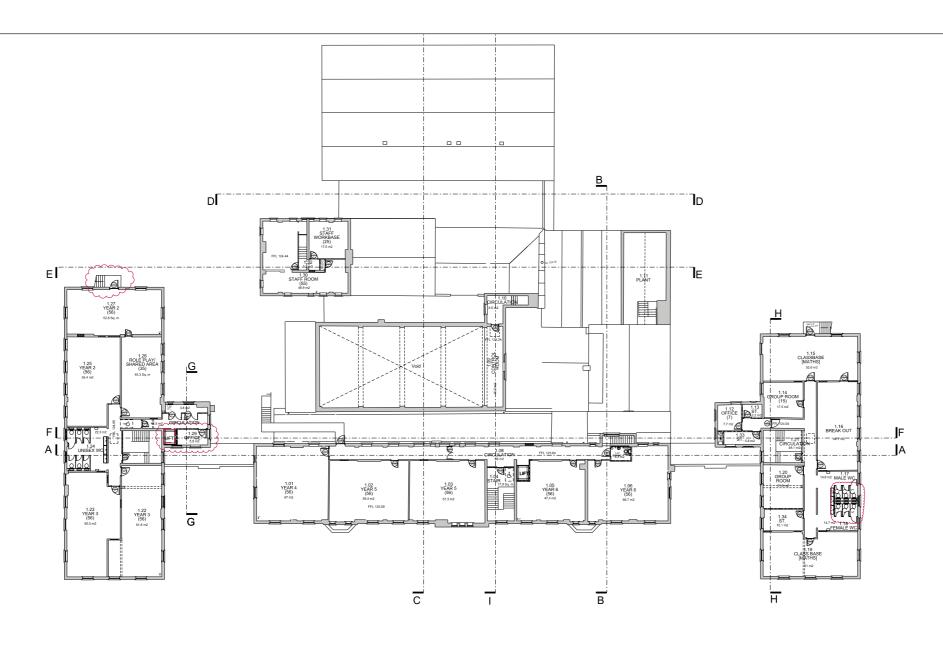
along x and y axes when printed





EXISTING PLANS - OFFICER'S MESS SITE

First Floor Plan



Eprefix to all plan door tags denotes new door and frame inst into existing structural openings. The structural opening size only be determined once the existing door frame has been stripped out. Certain existing Structural openings will require

PRELIMINARY CONSTRUCTION



Revision	Date	Revision notes	Design change	Inspected by
A	27.09.13	Door tags added. Stud partitions added to toilet cubicles. Riser added behind the East wing lift.	IJ	NW
В	15.10.13	- Door tags revised.	IJ	NW
С	17.10.13	- Lifts amended - Toilets 1.24 changed to cubicle system	IJ	NW
D	17.03.14	- Lift to east wing omitted and replaced wit a store - Tollet extension omitted - ICT Hub relocated to the ground floor replaced with group room and store - Sinks to tollets 1.17 amended - West Wing external stair removed.	h IJ	NW
Е	21.05.14	Location of lift to west wing amended. West Wing external stair retained. Stud partitions removed from east wing toilets.	IJ	NW
F	02.07.14	Planning	IJ	DJ

Heyford Park Free School Officers' Mess

Proposed First Floor Plan

Check all dimensions and verify on site. Report any errors or omissi

F	irst issued	06.09.1
D	rawn by	CM
D	rawing sheet size	A1
S	cale	1:200
ŀ	spected by	DJ
ī	ob code	HFSK
0	rawing number prefix	L-OM
D	rawing number	1007
R	evision	F



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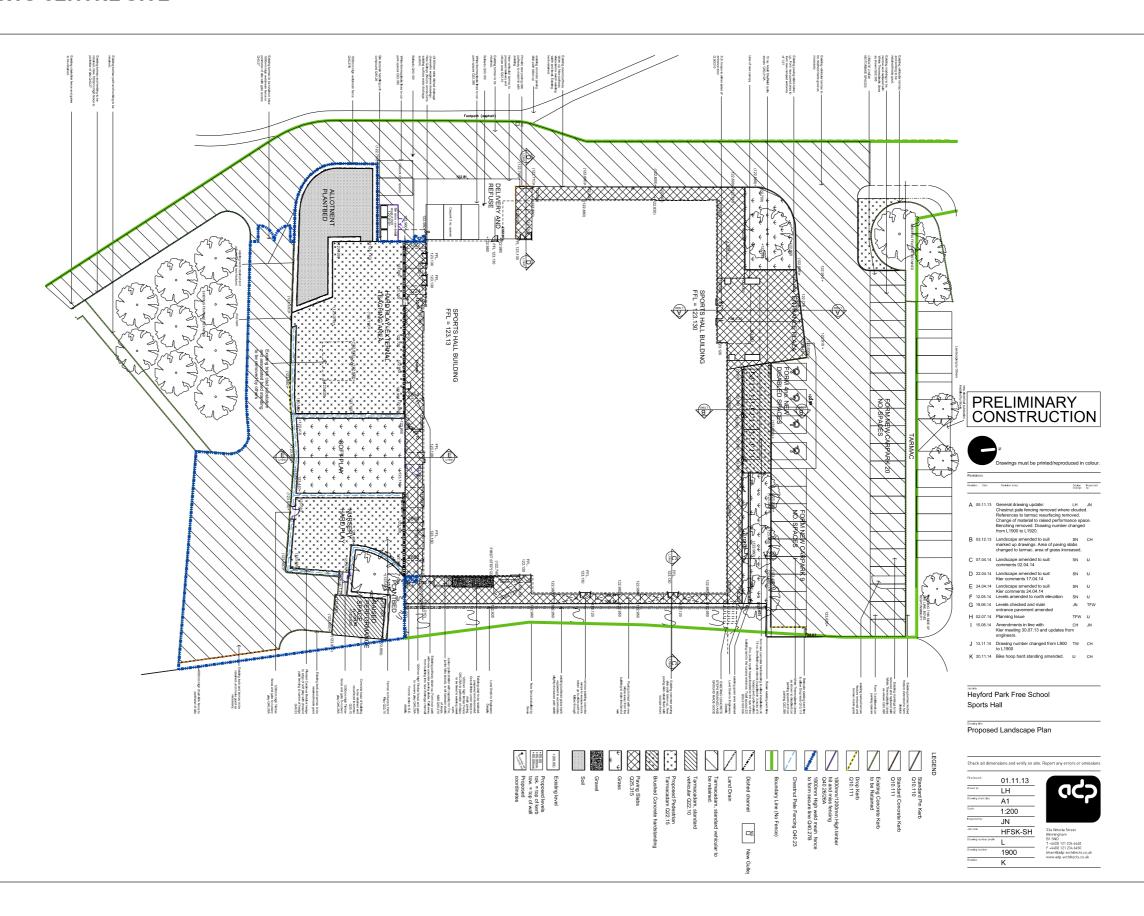
along x and y axes when printed





EXISTING PLANS - SPORTS CENTRE SITE

Site Plan

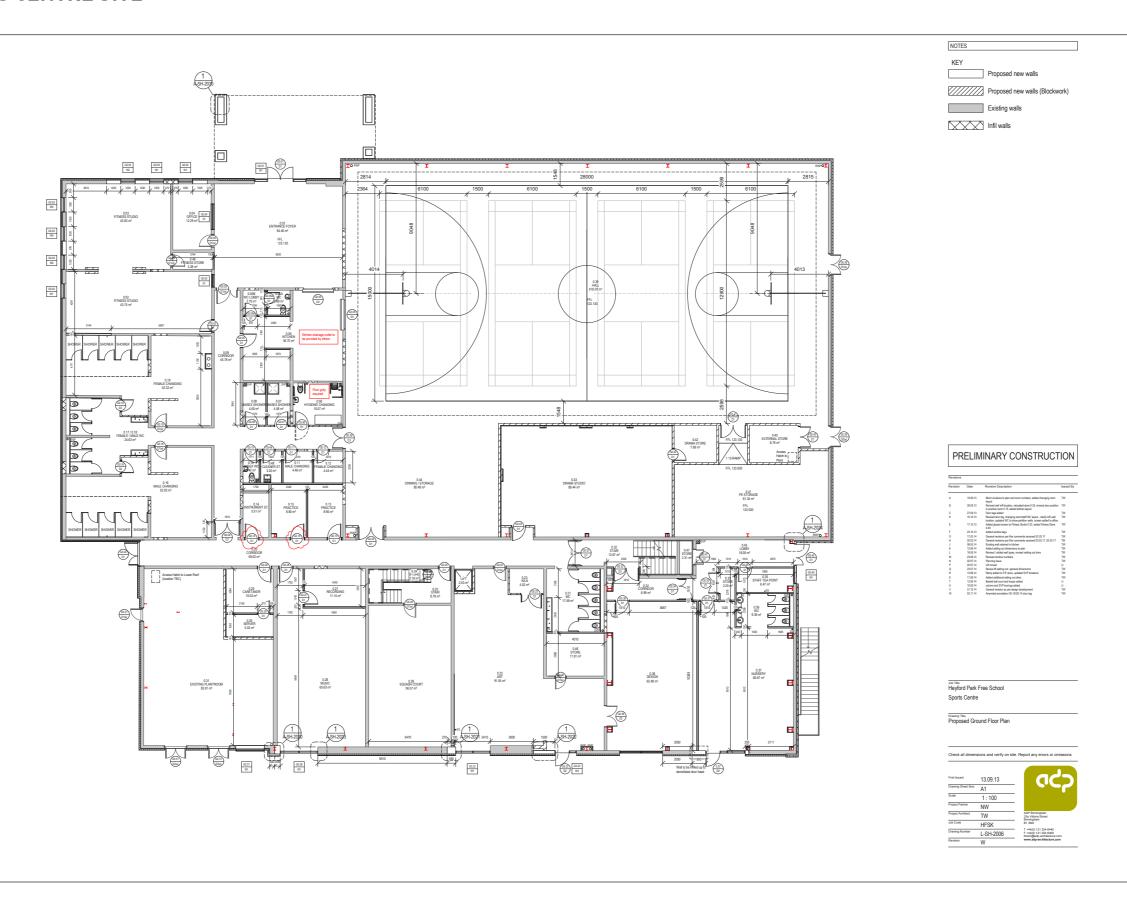






EXISTING PLANS - SPORTS CENTRE SITE

Ground Floor Plan

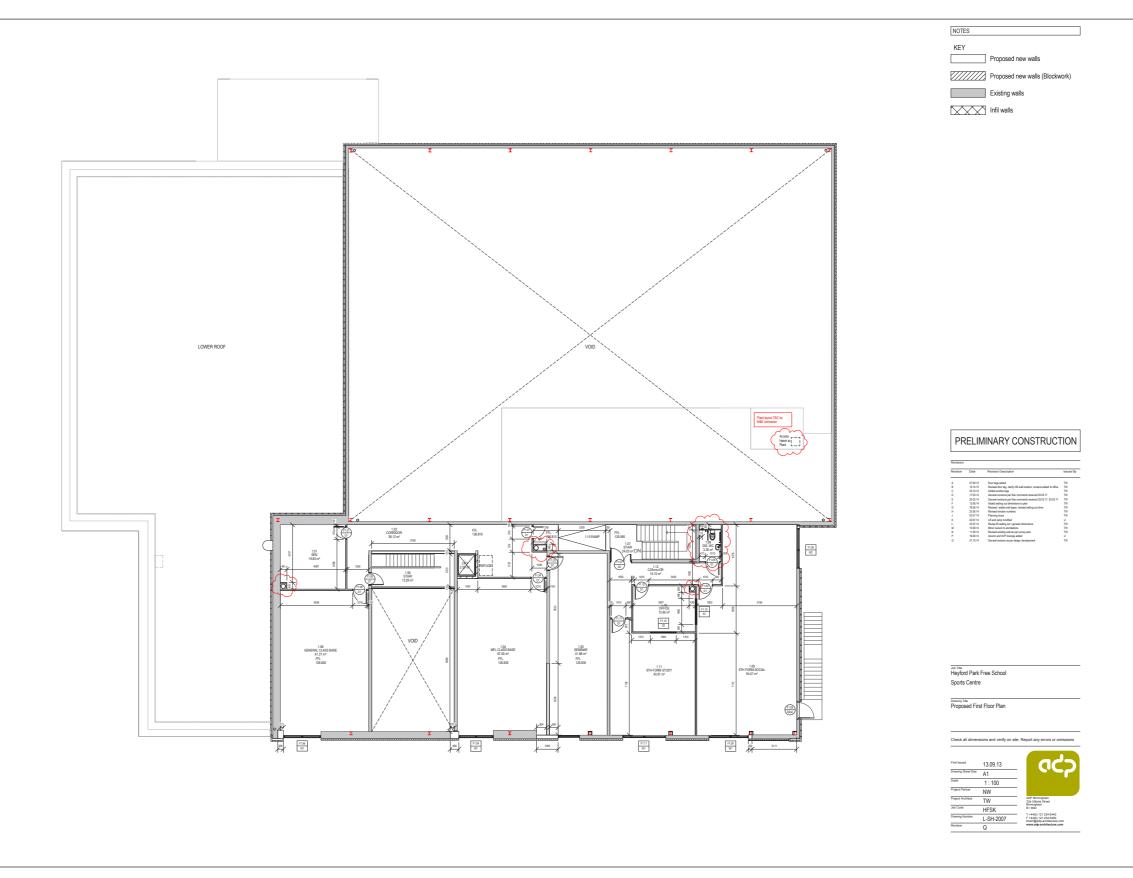






EXISTING PLANS - SPORTS CENTRE SITE

First Floor Plan

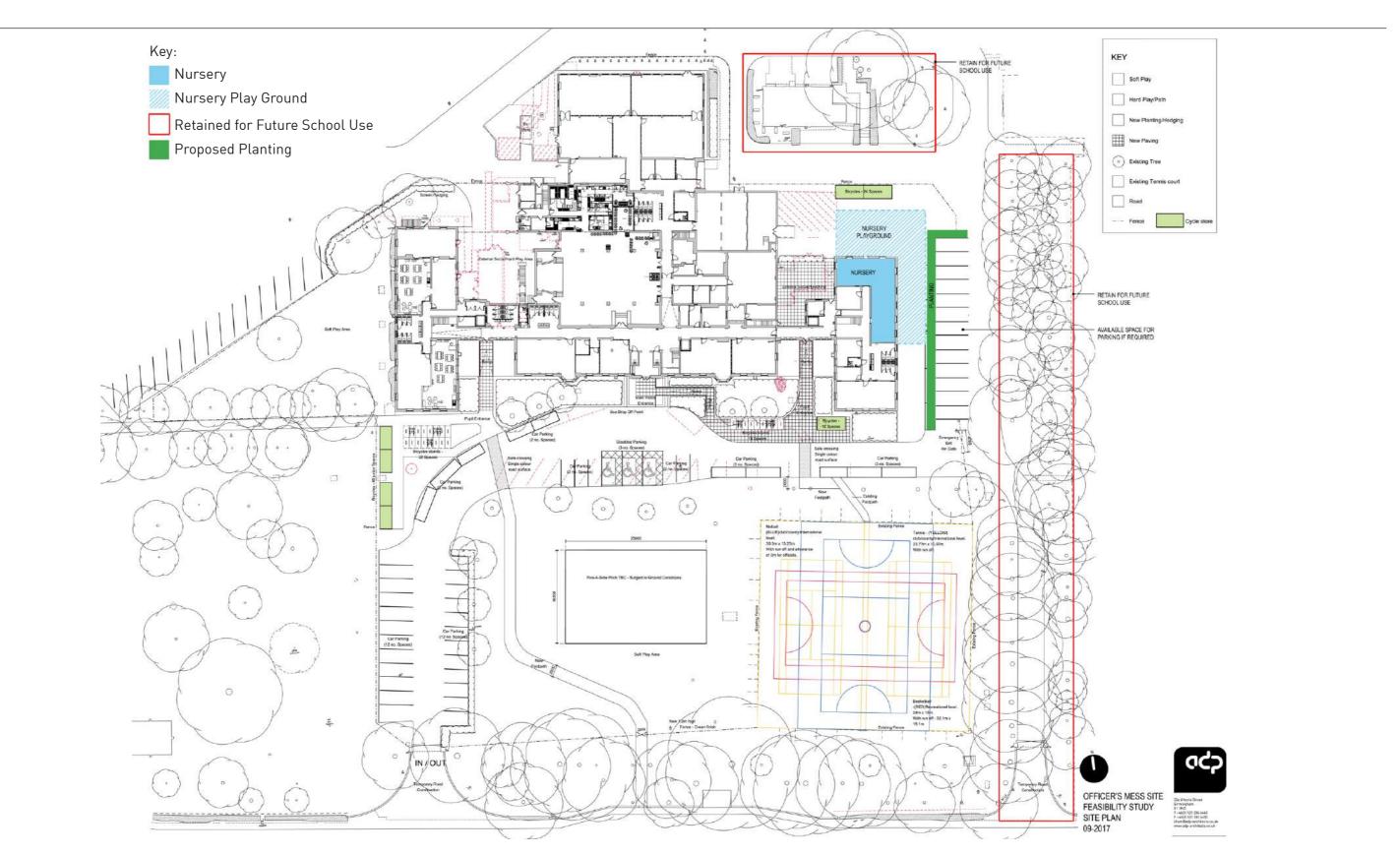






PROPOSED PLANS - OFFICER'S MESS SITE

Site Plan

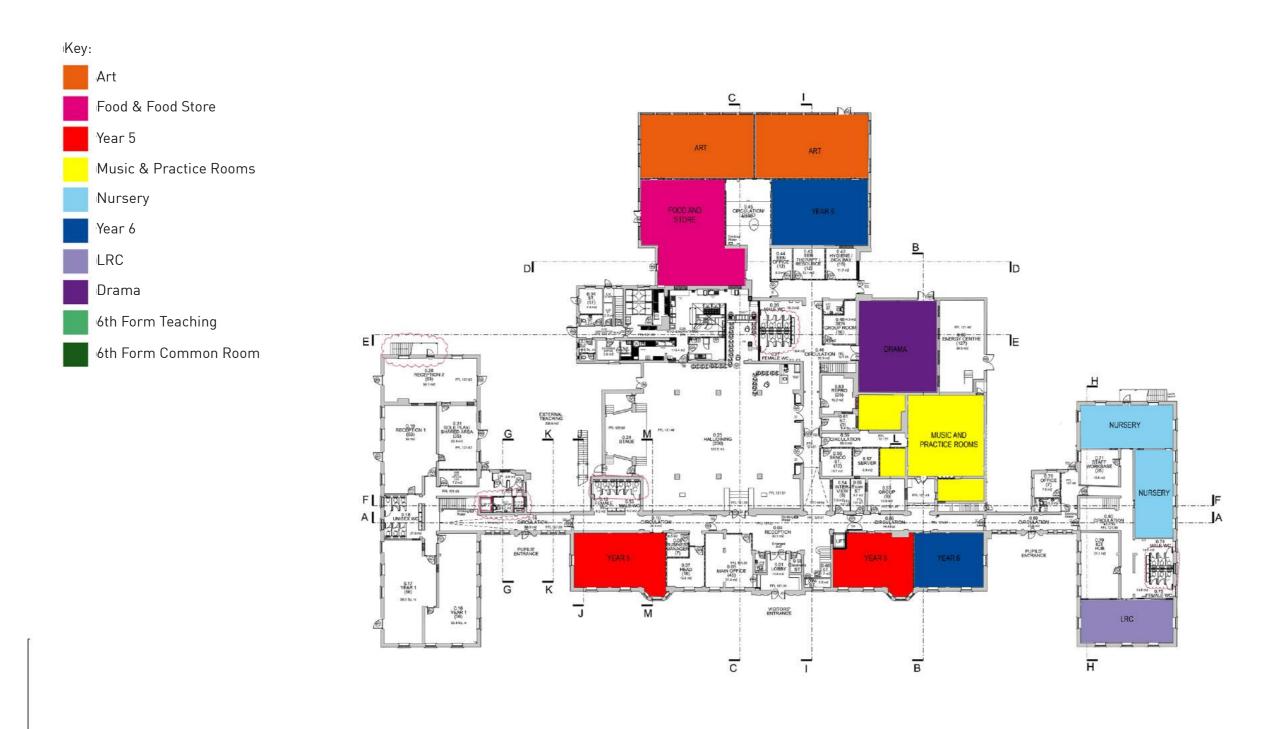






PROPOSED PLANS - OFFICER'S MESS SITE

Ground Floor Plan





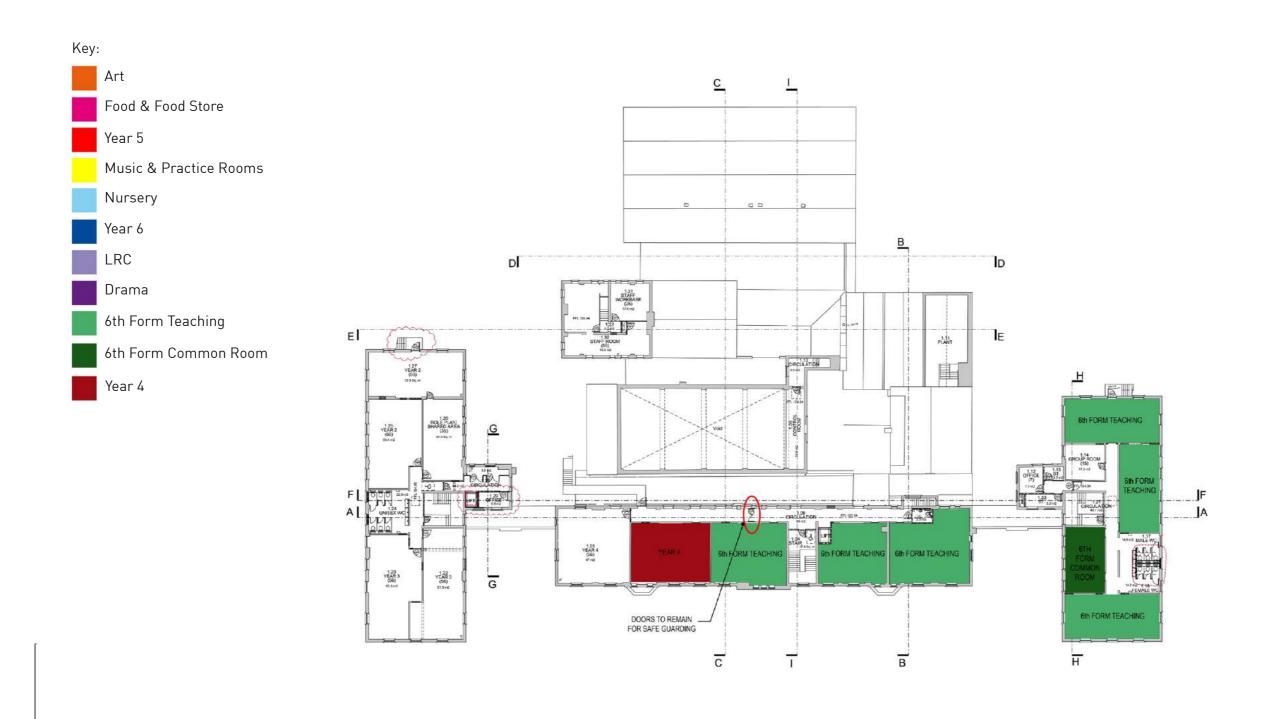
GROUND FLOOR PLAN 09-2017





PROPOSED PLANS - OFFICER'S MESS SITE

First Floor Plan





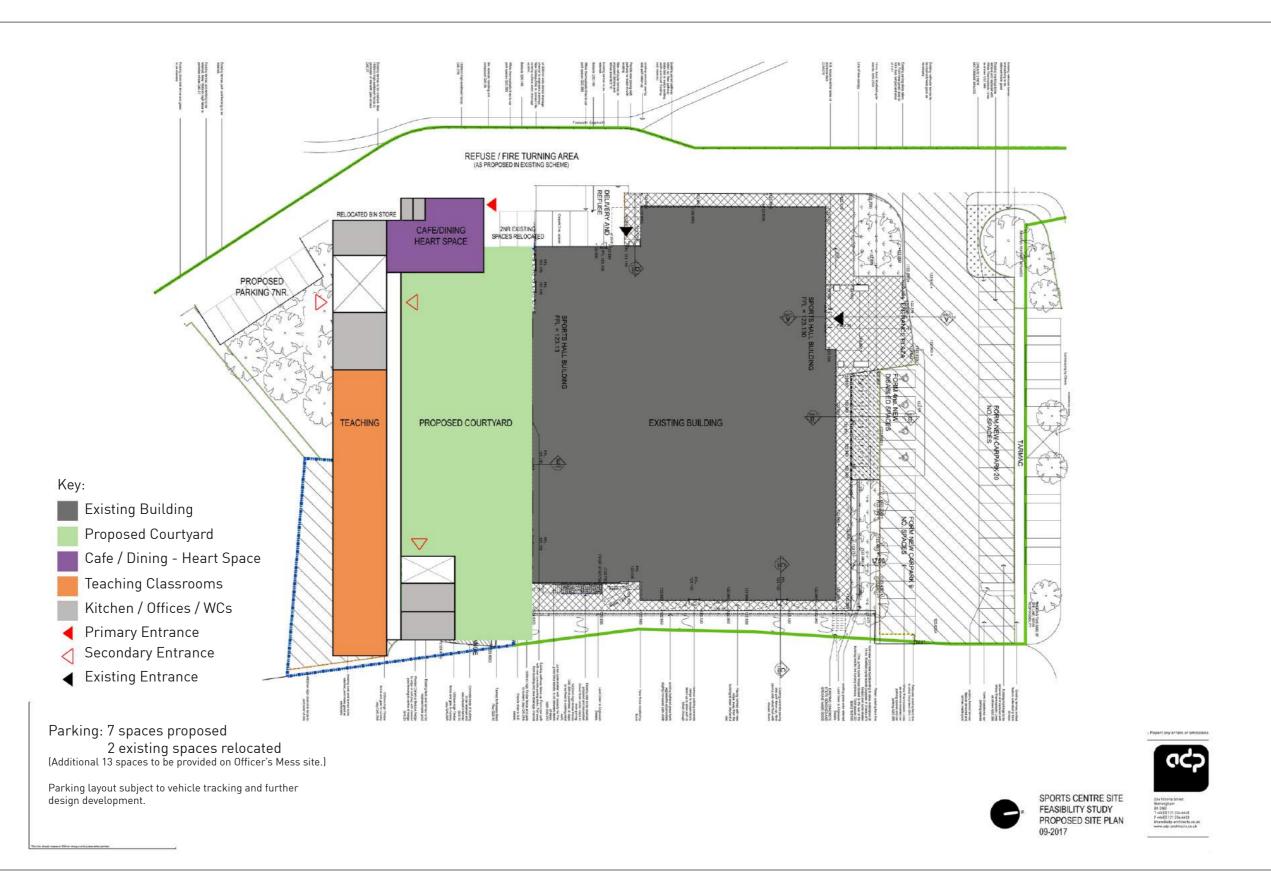
OFFICER'S MESS SITE FEASIBILITY STUDY FIRST FLOOR PLAN 09-2017







Site Plan







Ground Floor Plan







First Floor Plan





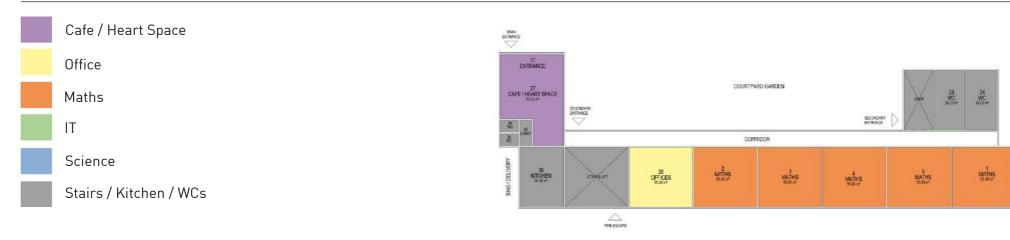




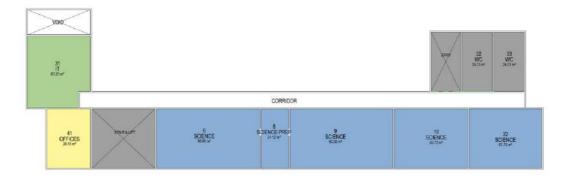




Proposed Extension Plans



Proposed Ground Floor Plan



Proposed First Floor Plan

