

## **INTRODUCTION**

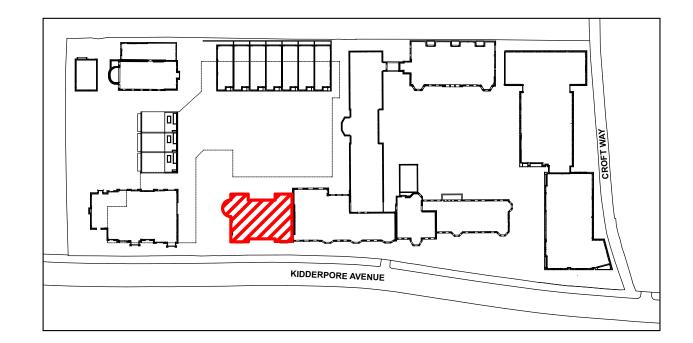
Kidderpore Hall forms an integral part of the former Kings College campus site, granted approval to be converted to residential use on 6th April 2016, LPA Ref: 2015/3936/P.

Kidderpore Hall was granted Listed Building Consent also on 6th April 2016, LPA Ref: 2015/4116/L.

Further design development work which occurred, together with a review of the scope of proposals, resulted in a new Listed Building Consent on 12th January 2017, LPA Ref: 2016/6022/L.

The two properties that would have been created as a result of the approved works have been extensively advertised for private sale. A single buyer has now been identified who wishes to utilise the whole property as a single-family dwelling.

This application seeks to amend the proposals from two duplex apartments to a single house with specific features







### PROPOSED AMENDMENTS

### **GENERAL**

It is proposed that the approval to convert the building into two apartments (1x3 Bed and 1x4 Bed) is now replaced with the refurbishment of the Listed Building to re-establish a single family house, with 7 bedrooms, restoring the use of the building to something more akin to the original occupation.

The current approval incorporates by necessity elements of acoustic and fire separation between the two apartments. None of this separation work has so far been undertaken, which as a consequence allows the omission of the intrusive aspects of such work. Overall the return of the building to the original optimum viable use, retaining and expressing more of the original fabric and layout is a positive aspect in preserving the heritage of this building.

Since the 2017 approval, LPA Ref: 2016/6022/L detailed submissions have been made to discharge various LBC Conditions and some work has been undertaken and completed on that basis. Much of this work is unaffected by the now proposed amendments:

Reroofing including provision of insulation.

Introduction of a feature glazed rooflight, for use as an external amenity space.

Façade refurbishment and redecoration including railings.

Window restoration and overhaul of shutters.

Structural repairs and strengthening.

Treatment for Dry Rot and Asbestos removal.

Timber survey and renewal of rotted timbers.

Introduction of new glazed flooring over the original refurbished lay light.

Design of a new stair between lower and upper ground.

Provision of new drainage and service connections.

Formation of a new ground bearing concrete floor to lower ground floor level.

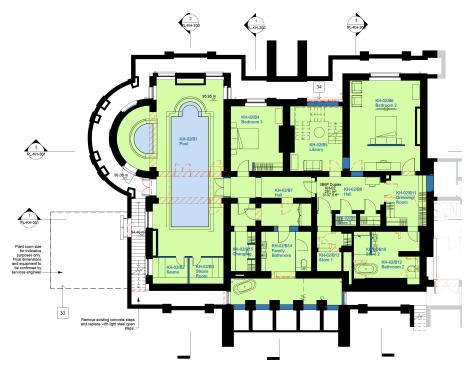
Internal damp proofing.

Condition discharge has also been granted for items which now require amendment to suit a single-family dwelling.

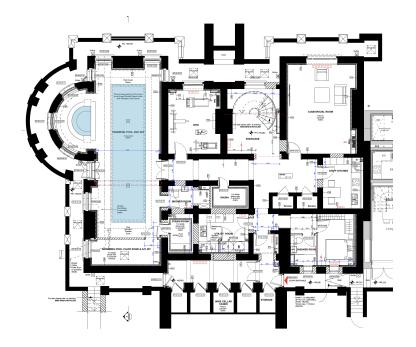
Internal lighting.
Internal doors.
Internal joinery and plasterwork.
Suspended ceilings
Flooring upgrades
Services integration and upgrading.



The original consent, LPA Ref: 2015/4116/L, included the provision of a private pool and spa to lower ground floor level, with the necessity to structurally underpin the area around the pool. It is now proposed to reintroduce this facility with the associated works.



Extract of Scott Brownrigg Listed Building Consent 2015/4116/L



Extract of Proposed Lower Ground Floor showing Pool and Spa

The opportunity has also been taken to review existing consents and improve the proposals through less intervention and alteration of the heritage building, where possible.

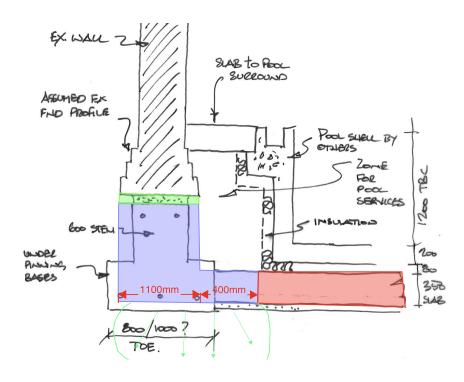




It is proposed to reintroduce a pool and spa to the western area of the lower ground floor. The pool,  $10m \times 2.5m \times 1.35m$  deep will sit within a sunken area, together with an adjacent recessed spa. The pool plant will be located at the southern end of the space, together with air conditioning equipment, vented through the external wall to the lightwell (below main ground level).

To facilitate the pool, spa and below ground servicing, it will be necessary to underpin the adjacent load bearing walls to allow excavation below existing floor level.

The underpinning will be undertaken by Abbey Pynford, Specialist Contractors, whose detail proposals are illustrated on their drawings forming part of this application. Their detailed Method Statement will also be included.



A Damage Assessment is required to review the impact of partial underpinning on the rest of the heritage building. The following is a typical 'damage category' table after Burland and as discussed in BRE Digest 251.



Damage category	Description of degree of damage	Description of typical damage and likely forms of repair for typical masonry buildings.	Approx. crack width (mm)	Max. tensile strain %
0	Negligible	Hairline cracks.		< 0.05
1	Very slight	Fine cracks easily treated during normal redecoration. Perhaps isolated slight fracture in building. Cracks in exterior visible upon close inspection.	0.1 to 1.0	0.05 to 0.075
2	Slight	Cracks easily filled. Redecoration probably required. Several slight fractures inside building. Exterior cracks visible; some repainting may be required for weather-tightness. Doors and windows may stick slightly.	1 to 5	0.075 to 0.15
3	Moderate	Cracks may require cutting out and patching. Recurrent cracks can be masked by suitable linings. Tuck pointing and possible replacement of a small amount of exterior brickwork may be required. Doors and windows sticking. Utility services may be interrupted. Weather tightness often impaired.	5 to 15 or a number of cracks > 3	0.15 to 0.3
4	Severe	Extensive repair required involving removal and replacement of walls especially over doors and windows. Window and door frames distorted. Floor slopes noticeably. Walls lean or bulge noticeably. Some loss of bearing in beams. Utility services disrupted.	15 to 25 but also depends on number of cracks	> 0.3
5	Very severe	Major repair required involving partial or complete reconstruction. Beams lose bearing, walls lean badly and require shoring. Windows broken by distortion. Danger of instability.	Usually > 25 but depends on number of cracks	

Table 2: Building damage classification

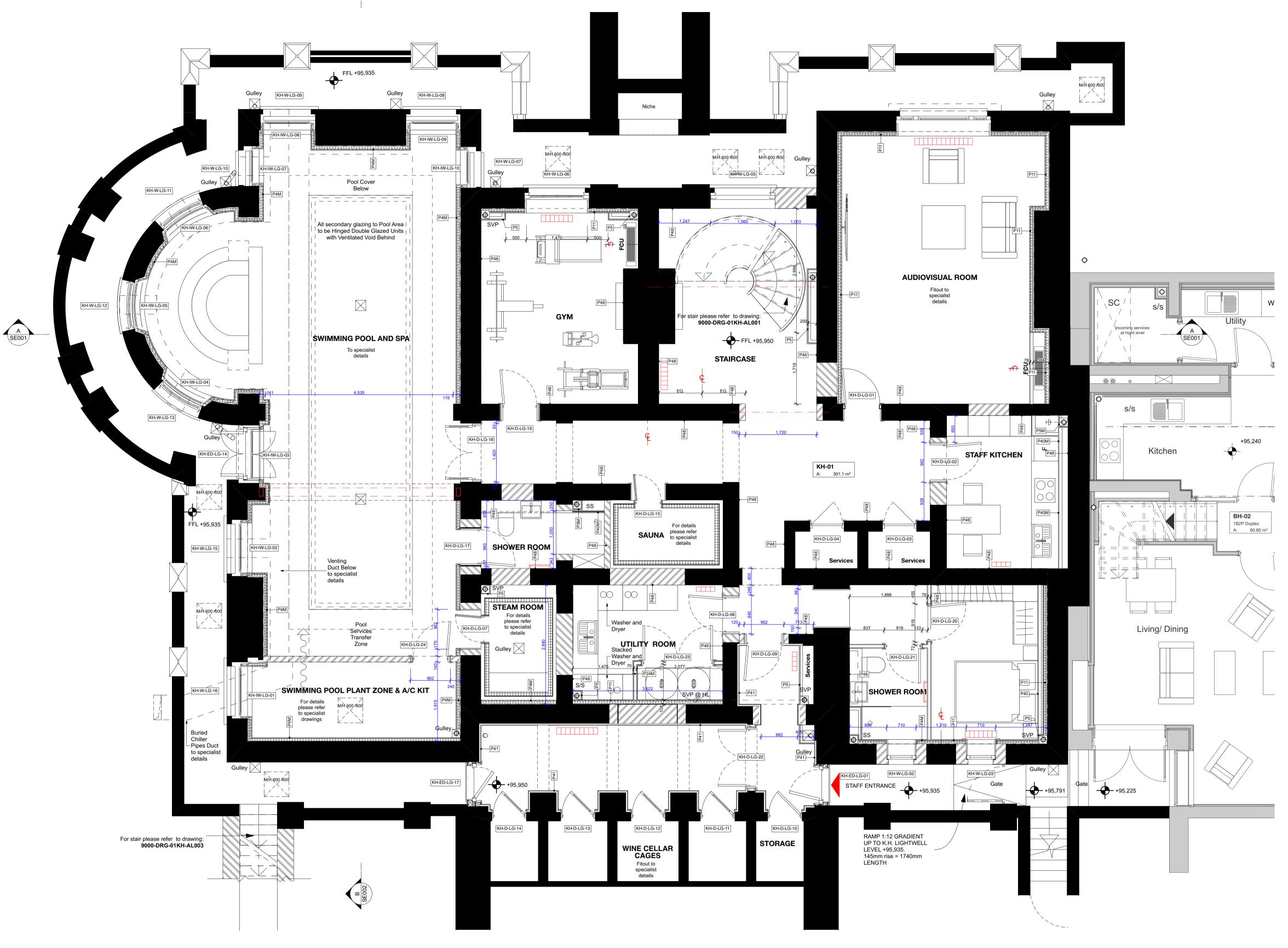
The Damage Assessment, currently under review, is anticipated to record Damage Category I (very slight) with approx. crack width of 0.1mm to I.0mm. The Basement Construction Plan, submitted and approved as part of the original Planning Consent. LPA Ref: 2015/3936/P, predicted negliable to very slight affect on buildings across the site due to the main basement works. This Damage Assessment should indicate that movement will be within those acceptable limits. [The Damage Assessment will shortly follow this submission, once final analysis is concluded].

To maintain and contain the pool environment, secondary double-glazing units will be introduced to all external windows and doors.

Cheshire Wellness are specialist Pool Contractors working on the main leisure facility for the overall development. They have designed bespoke pool and spa facilities for Kidderpore Hall, together with a Steam Room, Sauna and all necessary plant. These proposals are illustrated on their drawings CW-2636-01-01 and CW-2636-10-01 to 06 inclusive forming part of this application.







Dims below are to underside of the internal door lintels from proposed FFL within the apartments

Level LG lintels to be 2,200mm from FFL KH-D-LG-18 arch level to match arches in corridor - approx 2,480 Level UG for KH-D-UG-11, KH-IW-UG-12, KH-D-UG-13, KH-D-UG-15 lintels to be at 2,480mm from FFL, for KH-D-UG-20 lintel to be at 2,460mm from FFL

Level 01 stud wall lintels to be at 2,290mm from FFL for KH-D-01-13 lintel to be at 2,730mm from FFL

Level 02 stud wall lintels to be at 2,130mm from FFL for KH-D-02-08 and KH-D-02-02 lintels to be at 2,160 from FFL <u>KEY</u>

Masonry/ Concrete/ Steel setting out

DryLining setting out

Critical minimal dimension - Contractor to seek confirmation if any significant discrepancy occurs. Closing minimal dim - Contractor to seek advice if the dim is less.

# Finishes Legend : External and Separating Wall Lining Types:

Type P4. Thermal Lining to existing buildings (upper floors) - Gyplyner Universal GL1 channels at 600mm centres (packed with 50mm Kooltherm K12 board - insulation notched where required) with 32.5mm Kooltherm K118 (20mm rigid insulation with 12.5mm Plasterboard with integrated VCL). All joints to be taped and jointed, giving a smooth and seamless finish, ready for decoration. 32.5mm Kooltherm K118 to window returns.

Type P4M. Thermal Lining to existing buildings to Wet areas (upper floors) - Gyplyner Universal GL1 channels at 600mm centres with 32.5mm timber studs, 82.5mm Kooltherm K12 board - insulation notched where required with 12.5mm Gyproc Wallboard Moisture Resistant. All joints to be taped and jointed, giving a smooth and seamless finish, ready for decoration.

Type P5 & P5M. SVP Boxing. 2 no. layers 15mm SoundBloc plasterboard, Gypframe studwork generally to svp casings. All joints to be taped and jointed, giving a smooth and seamless finish, ready for decoration. Pipework to be wrapped in 50mm unfaced mineral wool. NB. 15mm Soundblock MR to replace outer layer of boxing in 'Wet' areas (Bathrooms, WCs, Utility Cupboards, Kitchens, etc). Boxings to be fully filled with insulation when adjoining solid party

#### Max Heights for IWL Studs where 2 layers 15mm Plasterboard is used: 60 I 50 for heights up to 3.3m 60 I 70 for heights up to 3.9m

Type P11. As type P4, but with additional Drained cavity system by specialist waterproofing company.

70 I 70 for heights up to 4.3m

Internal Partitions:
Type P20. Internal Partition width 97mm. 70mm Gypframe 'C' studs at max. 600mm centres with 1 layer of 12.5mm British Gypsum Gyproc SoundBloc to both sides. All joints to be taped and jointed, giving a smooth and seamless finish, ready for decoration.

Type P20M. As type P20, but with one side of SoundBloc replaced with 12.5mm Gyproc Soundbloc Moisture Resistant plasterboard ('wet' **Type P20M2.** As type P20, but with both layers replaced with 12.5mm

Gyproc Soundbloc Moisture Resistant plasterboard (both sides)

Type P21. Internal Partition width 155mm. 92mm Gypframe 'C' studs at max. 600mm centres with 1 layer of 12.5mm British Gypsum Gyproc SoundBLoc on 18mm Plywood to both sides. All joints to be taped and jointed, giving a smooth and seamless finish, ready for

Type P21M. As type P21, but with one side of SoundBloc replaced with 12.5mm Gyproc Soundbloc Moisture Resistant plasterboard ('wet'

Type P21M2. As type P21, but with both layers replaced with 12.5mm Gyproc Soundbloc Moisture Resistant plasterboard (both sides) Type P24. Internal Partition width 122mm. 70mm Gypframe 'C' studs at max. 600mm centres with 2 layers of 12.5mm British Gypsum Gyproc SoundBLoc to each side. All joints to be taped and jointed, with Gyproc Moisture Resistant plasterboard to 'wet' area. giving a smooth and seamless finish, ready for decoration.

Type P24M.As type P24, but with one side of SoundBloc replaced

# Internal Linings & Boxing Types: Type P40. Typical Boxing and False Wall - 70mm Gypframe 'C' studs at max. 600mm centres with 1 layer of 12.5mm British Gypsum Wallboard to one side. All joints to be taped and jointed, giving a smooth and seamless finish, ready for decoration.

Type P40M. As type P40 but with the layer of Plasterboard replaced Type P41. Typical Sacrificial Wall - Gyplyner Universal GL1 channel

with offset of 35mm at 600mm centres (GL2 fixing brackets) with 1 layer of 12.5mm British Gypsum wallboard. All joints to be taped and jointed, giving a smooth and seamless finish, ready for decoration. Type P41M. As type P41 but with the layer of Plasterboard replaced

Type P44. Lining to cavity brick, separating walls - 1 layer of 12.5mm British Gypsum wallboard on 10mm adhesive dabs on 8mm parge coat (Gyproc Soundcoat Plus). All joints to be taped and jointed, giving a smooth and seamless finish, ready for decoration.

Type P44M. As type P44 but with the layer of Plasterboard replaced with Gyproc Moisture Resistant plasterboard to 'wet' area.

TS1 - Timber Stud 70x50.

TS2 - Timber Stud 90x50.

PLY — - Additional 12mm Plywood for bracing.

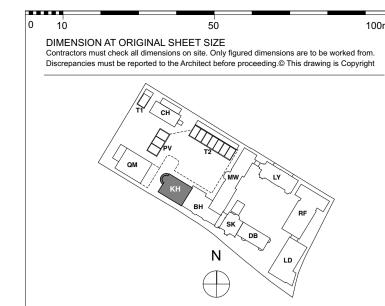
Type P48/P49.P48 - New to match existing, P49 - Repair to Existing Assumed plaster repair or Lime Plaster repair respectively to existing Walls. Extent of existing damage to be assessed on site - removal to be agreed. New plaster to match existing. Plaster to be feathered with existing and made good. If type of plaster does not correspond as noted, please contact the architect

> (9000-DRG-00GN-DE030 - DE033) Specifications outlined in P-number descriptions and

Refer to Dry Lining Details 1 - 3 for P-number drawings

details to be reviewed in conjunction with waterproofing

specialist to determine suitability for indicated position.



**KEY PLAN** 

NOTE:

**General Notes:** 

1. All types noted below are based on the British Gypsum range. 'Similar and approved' products will be considered by the client. Any alterations to the specifications below are to be approved by the client PRIOR to order.

2. Drylining drawings are to be read in conjunction with all relevant AQP GA and M&E consultant drawings.

3. Moisture resistant plasterboard is to be used in all wet areas (Kitchens, Bathrooms, En-suites and Utility Cupboards). Areas requiring moisture resistant board are identified with the 'M' prefix in the partition type. Tiled surfaces: MR Plasterboard to be replaced with 12.5mm Glasroc H Tilebacker boards.

4. 18mm WBP plywood support patresses on proprietary service plates are to be provided in the following areas:

i. Kitchens (Full height) ii.Bathrooms (A band between 300-1800mm) iii.Living Rooms (1500mm(wide) x 1035mm(high) behind wall mounted TV positions, exact locations to be agreed on site with

5. Additional noggings/supports etc are to be provided as necessary for radiators, kitchen units, wall mounted TVs, shower mixers &

6.Deflection head details are indicated at partition heads giving min. vertical deflection allowance of 25mm. Extra deep flange channels and packing to be provided in accordance with manufacturers standard details.

7.All necessary beads etc. to be provided.

# General Internal Suspended Ceiling [Newbuild]:

British Gypsum Casoline MF ceiling system finished with 1 no. 12.5mm Wallboard in 'dry areas' and 12.5mm moisture resistant wallboard in 'wet areas'. Gypframe MF8 strap hangers to be fixed to u/s of concrete soffit with Gypframe M12 soffit cleats. Proprietary primary and secondary support grids to be provided at centres in accordance with manufacturers standard details. All perimeter channels etc. to be provided in accordance with manufacturers standard details. All joints to be taped and jointed, giving a smooth and seamless finish, ready for decoration.

# FOR CONSTRUCTION

	REVISION	DR'N	CH'KD	D
_	Issue	GC	КС	19
P2		FC	KC	2
P3	Plan revisions following workshop	KrC/GC	TW	0
T1	Additional information and annotation added	KrC	TW	Τ,
11	Issue for Tender	KrC	I VV	02/0
T2	Amendments LG Stair and SVPs	NV	TW	0
C1	Issued for Construction	KrC/NV	TW	1
C2	PNumbers Key updated. GAs Plans reviewed following client's comments.	KrC/NV/ GC	TW/KC	2
C3	Radiators Updated To Latest M&E Schedule	KrC		1
C4	External Gates Added	KrC	кс	2
05	Radiators revised / added	KrC		Τ,
C5	Revised to Client's comments	KIC		30/
C6	Bathroom Reference Update	- KrC KC	VC.	20/12
Co	Single Dwelling Revision		, KC	4
				Т
				Т
				Т



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KIDDERPORE AVENUE

Kidderpore Hall Level LG Proposed GA Plan

	SCALE	1:50 @ A1	DATE	20/12/2018
	DRAWING No.		DRAWN B	Y
	15 220		KrC	
l	15 230		REV	

A&Q PARTNERSHIP (LONDON) LTD THE LUX BUILDING, 2-4 HOXTON SQUARE, LONDON N 1 6 NU Tel: 020 7613 2244 Fax: 020 7613 2642 Email:london@aqp.co.uk ARCHITECTURE DESIGN MASTERPLANNING INTERIORS

9000-DRG-03KH-LG010 <sub>C6</sub>

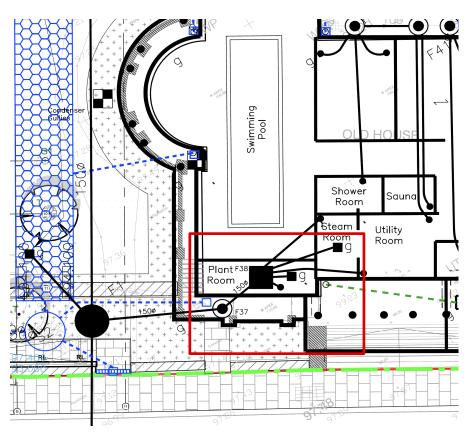


### **LOWER GROUND FLOOR - Continued**

In order to open up the space between the previously approved Play Room and Bedroom 3 in order to form the Pool Hall, the wall separating the two spaces needs to be removed.

Tully De'Ath, the Structural and Civil Engineers on the project, propose a steel 'goal post' replacement structure to support the floor and wall above, as illustrated on their drawings 9100-DRG-03KH-UG001, 9100-DRG-00KH-LG001 and UG001.

In order to now install the sunken pool, some drainage, which had been installed under the 2017 approval, needs to be diverted due to invert levels. This amendment, with two new manholes, is shown on their drawing 9100-DRG-34KH-LG217.



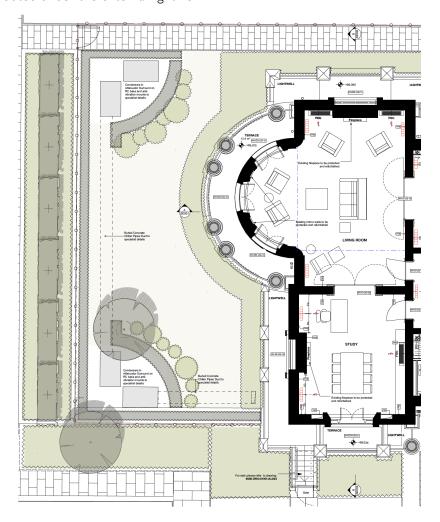
Extract from Tully De'Ath Drawing 9100-DRG-34KH-LG217

The lower ground floor slab has already been renewed, as approved, with a concrete ground bearing slab, insulation and screed. It will obviously be necessary to remove this where the pool is being formed, but elsewhere it can be maintained. It is now proposed to introduce wet underfloor heating at this level, which can be facilitated by routing out the screed to receive wet underfloor pipework coils, limiting major further disruption to the heritage building. Radiators are also required due to the large volumious spaces, solid walls and single glazing.

The room functions may have varied elsewhere at lower ground level, but the proposals remain largely identical to that already approved.

The previously proposed and approved use of a false ceiling to the whole of this floor is retained, particularly as it allows extensive service distribution within the ceiling void, to serve the floor above and service risers.

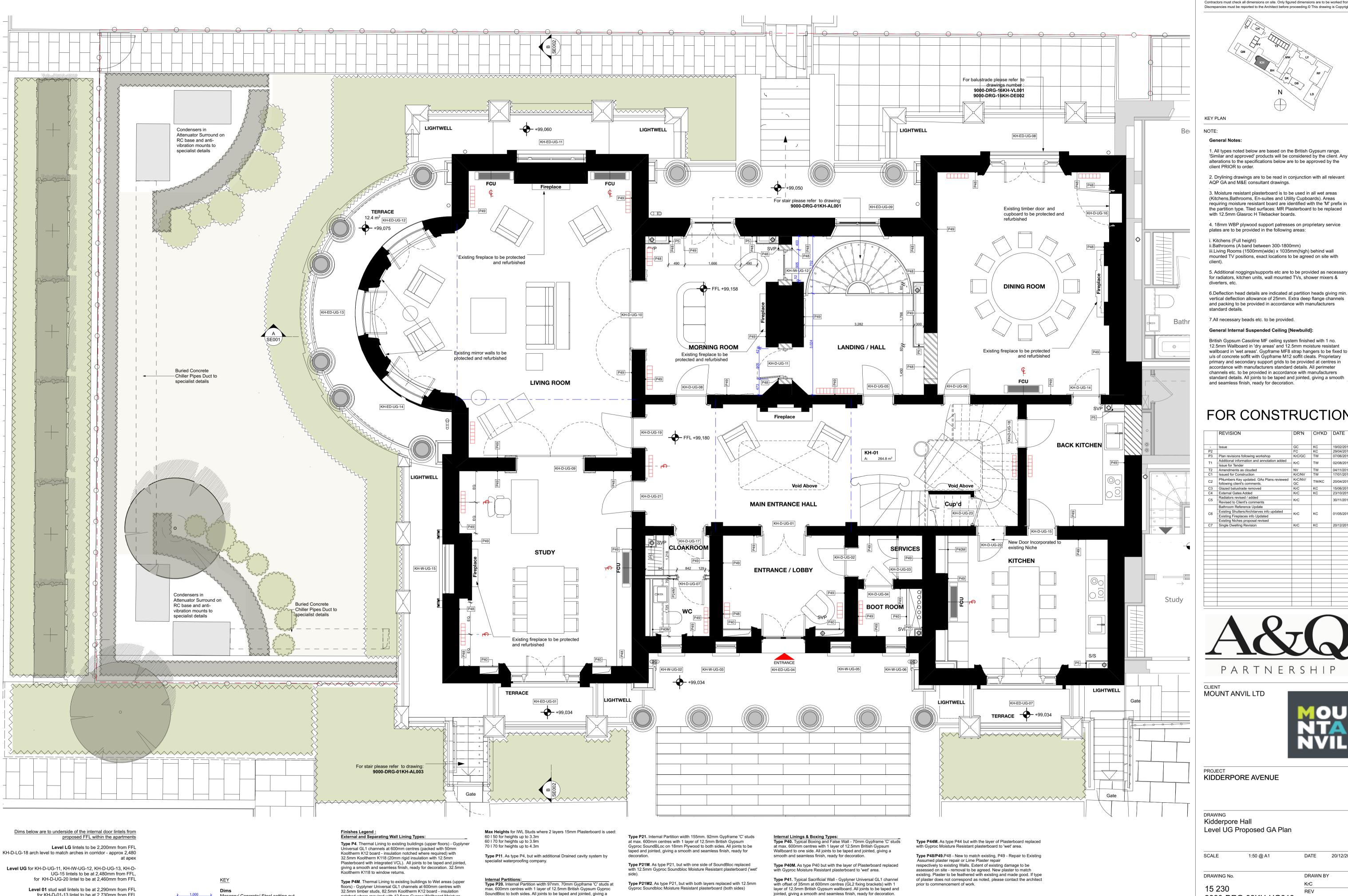
As part of the increased servicing of the larger property, the extent of mechanical cooling requires a localised source of chilled water. It is proposed to locate four Condenser Units within specialist attenuated enclosures within the garden area as illustrated on drawing 9000-DRG-03KH-UG010, screened within the landscaping. An underground concrete duct will connect the condensers together and deliver the pipework to the Pool Plant room, routed under the external lightwell.



The enclosures are Environlite T6-1300, painted RAL 9015 (Olive Black) mounted on anti-vibration mounts. The projects Acoustic Engineer SOL Acoustics has reviewed the acoustic assessment of the enclosures in relation to their position. Their letter of 3rd December 2018 confirms compliance with the original Planning Consent requirements. This letter and product details set out the acceptability of the proposals.

New access steps are proposed from street level to lightwell level.





DIMENSION AT ORIGINAL SHEET SIZE Contractors must check all dimensions on site. Only figured dimensions are to be worked from. Discrepancies must be reported to the Architect before proceeding.© This drawing is Copyright

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_	Issue	GC	KC	19/02/201	
P2	13300	FC	KC	29/04/201	
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	Additional information and annotation added				
T1	Issue for Tender	KrC	TW	02/08/201	
T2	Amendments as clouded	NV	TW	04/11/201	
C1	Issued for Construction	KrC/NV	TW	17/01/201	
C2	PNumbers Key updated. GAs Plans reviewed following client's comments.	KrC/NV/ GC	TW/KC	20/04/201	
C3	Glazed balustrade removed	KrC	КС	15/06/201	
C4	External Gates Added	KrC	КС	23/10/201	
05	Radiators revised / added	KrC		30/11/201	
C5	Revised to Client's comments	KIC			
	Bathroom Reference Update			01/05/2018	
C6	Existing Shutters/Architarves info updated	KrC	кс		
00	Existing Fireplaces info Updated	NIC	NC		
	Existing Niches proposal revised				
C7	Single Dwelling Revision	KrC	KC	20/12/201	
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KIDDERPORE AVENUE

Kidderpore Hall

1:50 @ A1 DATE 20/12/2018

DRAWING No. DRAWN BY KrC 15 230 REV 9000-DRG-03KH-UG010 c7

A&Q PARTNERSHIP (LONDON) LTD THE LUX BUILDING, 2-4 HOXTON SQUARE, LONDON N 1 6 NU Tel: 020 7613 2244 Fax: 020 7613 2642 Email:london@aqp.co.uk ARCHITECTURE DESIGN MASTERPLANNING INTERIORS

Masonry/ Concrete/ Steel setting out

for KH-D-01-13 lintel to be at 2,730mm from FFL

Level 02 stud wall lintels to be at 2,130mm from FFL

for KH-D-02-08 and KH-D-02-02 lintels to be at 2,160 from FFL

DryLining setting out Critical minimal dimension - Contractor to seek confirmation if any significant discrepancy occurs. Closing minimal dim - Contractor to seek advice if

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Type P5 & P5M. SVP Boxing. 2 no. layers 15mm SoundBloc plasterboard, Gypframe studwork generally to svp casings. All joints to be taped and jointed, giving a smooth and seamless finish, ready for decoration. Pipework to be wrapped in 50mm unfaced mineral wool. NB. 15mm Soundblock MR to replace outer layer of boxing in 'Wet' areas (Bathrooms, WCs, Utility Cupboards, Kitchens, etc). Boxings to be fully filled with insulation when adjoining solid party Internal Partitions:
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Type P20M. As type P20, but with one side of SoundBloc replaced

with 12.5mm Gyproc Soundbloc Moisture Resistant plasterboard ('wet'

Type P20M2. As type P20, but with both layers replaced with 12.5mm Gyproc Soundbloc Moisture Resistant plasterboard (both sides)

Type P24. Internal Partition width 122mm. 70mm Gypframe 'C' studs at max. 600mm centres with 2 layers of 12.5mm British Gypsum Gyproc SoundBLoc to each side. All joints to be taped and jointed, giving a smooth and seamless finish, ready for decoration.

Type P24M.As type P24, but with one side of SoundBloc replaced

Type P41M. As type P41 but with the layer of Plasterboard replaced with Gyproc Moisture Resistant plasterboard to 'wet' area.

Type P44. Lining to cavity brick, separating walls - 1 layer of 12.5mm British Gypsum wallboard on 10mm adhesive dabs on 8mm parge coat (Gyproc Soundcoat Plus). All joints to be taped and jointed, giving a smooth and seamless finish, ready for decoration.

(9000-DRG-00GN-DE030 - DE033) TS1 - Timber Stud 70x50.

TS2 - Timber Stud 90x50. PLY — - Additional 12mm Plywood for bracing.

Specifications outlined in P-number descriptions and details to be reviewed in conjunction with waterproofing specialist to determine suitability for indicated position.

Refer to Dry Lining Details 1 - 3 for P-number drawings