



DAYLIGHT & SUNLIGHT REPORT

for

PROPOSED DEVELOPMENT

at

HIGHGATE SCHOOL

RICHARDS MUSIC CENTRE

N6

REF: SH/GI/ROL7516

REV:-

3 November 2022

expertise
applied

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Figure 1: Oblique aerial photograph of the site looking south (Source: Google Earth)

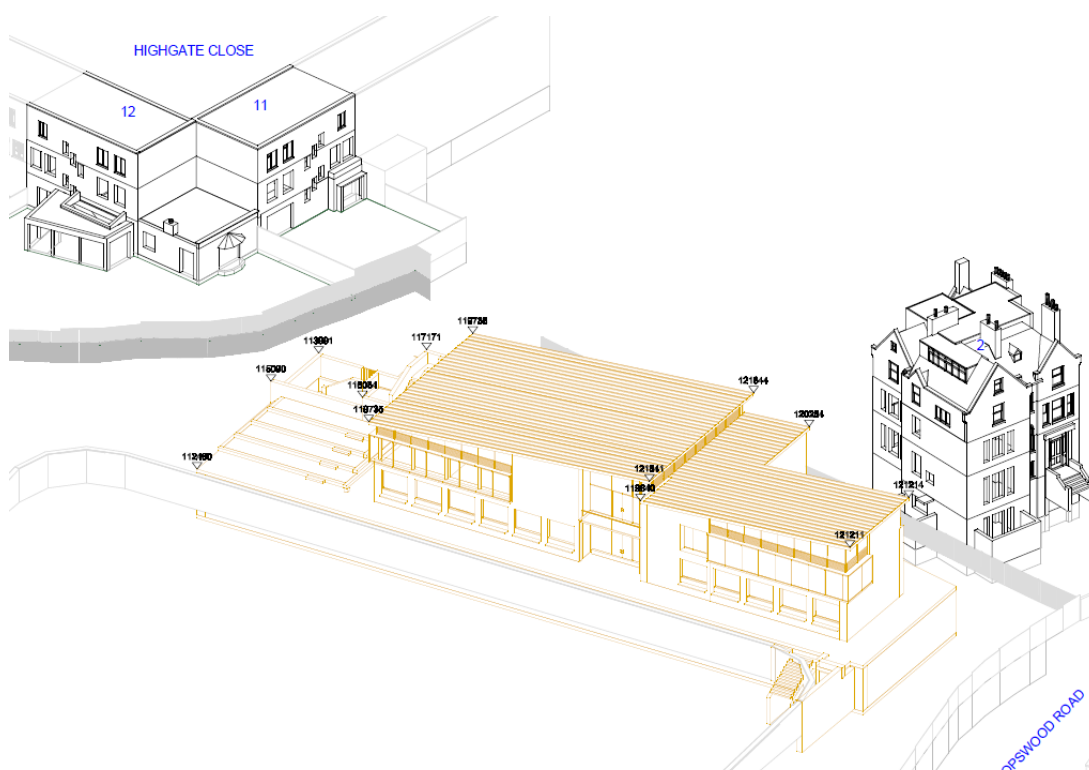


Figure 1: 3D view of computer model in the proposed condition

1. INTRODUCTION

- 1.1 Highgate School is proposing a development at Bishopswood Road Playing Field, Bishopswood Road, Highgate, London.
- 1.2 The application is situated on the site of the existing sports pavilion at the southern end of Bishopswood Road Playing Fields, and is bounded by residential properties to the south, 2 Bishopswood Road, and to the east, which are part of Highgate Close.
- 1.3 Highgate School is conscious of the need to minimise impact on the light to neighbouring residential properties and therefore instructed Anstey Horne to work with the project architect, Hopkins Architects, so that the effects of the proposed development could be properly understood and, wherever possible, minimised.
- 1.4 Anstey Horne has been commissioned to undertake a formal technical assessment of the effect of the proposed development upon the existing surrounding properties, having regard to the recommendations in BRE Report 209, *Site Layout Planning for Daylight and Sunlight: A guide to good practice* (third edition, 2022).
- 1.5 Our study has been carried out using 3D computer modelling and our specialist computer simulation software. Our 3D model is shown in Figure 2 on page ii.
- 1.6 This report summarises the basic principles of daylighting and sunlighting, planning policy guidance, the methods used to assess the potential impact of the development, the information used in compiling our 3D computer model and the results of our technical assessment. Drawings and full tables of results of our technical assessment are attached in the appendices.

2. PLANNING POLICY AND GUIDANCE

National Planning Policy and Guidance

2.1 The Revised National Planning Policy Framework (July 2021) sets out the Government's planning policies and how these are expected to be applied. It provides a framework within which councils can produce their own local plans that reflect the needs and priorities of their communities.

2.2 Chapter 11 'Making effective use of land' states in paragraph 125 (c) that:

"local planning authorities should refuse applications which they consider fail to make efficient use of land, taking into account the policies in this Framework. In this context, when considering applications for housing, authorities should take a flexible approach in applying policies or guidance relating to daylight and sunlight, where they would otherwise inhibit making efficient use of a site (as long as the resulting scheme would provide acceptable living standards)."

2.3 The Building Research Establishment, whose aims include achieving a higher quality built environment, publish BRE guidelines 209, *Site Layout Planning for Daylight and Sunlight: A guide to good practice* (third edition, 2022) by PJ Littlefair. This guide gives advice on site layout planning to retain good daylighting and sunlighting in existing surrounding buildings and achieve to it in new buildings. The guide is intended for use by designers, consultants and planning officials and notes that:

"The advice given here is not mandatory and this document should not be seen as an instrument of planning policy; its aim is to help rather than constrain the designer."

Regional Planning Policy and Guidance

Mayor's London Plan

2.4 The Mayor of London's '*London Plan – The Spatial Development Strategy for Greater London* (March 2021) sets out the spatial development strategy for London. It forms part of the development plan for Greater London, along with local plans of the London boroughs.

2.5 Policy D6 (Housing quality and standards) states that:

"... D The design of development should provide sufficient daylight and sunlight to new and surrounding housing that is appropriate for its context, whilst avoiding overheating, minimising overshadowing and maximising the usability of outside amenity space..."

Local Planning Policy and Guidance

- 2.6 The development site is located within the London Borough of Haringey.

Haringey Development Management DPD

- 2.7 The Haringey DPD was adopted in July 2017. Policy DM1 'Delivering High Quality Design' states under 'privacy and amenity' that:

"Development proposals must ensure a high standard of privacy and amenity for the development's users and neighbours. The Council will support proposals that:

a Provide appropriate sunlight, daylight and open aspects (including private amenity space where required) to all parts of the development and adjacent buildings and land;

b Provide an appropriate amount of privacy to their residents and neighbouring properties to avoid overlooking and loss of privacy detrimental to the amenity of neighbouring residents and the residents of the development; and

c Address issues of vibration, noise, fumes, odour, light pollution and microclimatic conditions likely to arise from the use and activities of the development".

- 2.8 This document also states in paragraph 2.10 that:

"The design and layout of buildings must enable sufficient sunlight and daylight to penetrate into and between buildings, and ensure that adjoining land or properties are protected from unacceptable overshadowing. The Building Research Establishment (BRE) provides guidance on site layout planning to achieve good sun-lighting and day-lighting (BRE Site Layout Planning for Daylight and Sunlight: a guide to good practice)."

- 2.9 We confirm that we have undertaken our daylight and sunlight study in accordance with BRE Report 209, *Site Layout Planning for Daylight and Sunlight: A guide to good practice* (third edition, 2022).

3. BRE METHOD OF ASSESSMENT AND NUMERICAL GUIDELINES

Daylight to existing surrounding buildings

- 3.1 Section 2.2 of the BRE Report makes recommendations concerning the impact on daylight to existing buildings. In summary, the BRE report states that:

“If any part of a new building or extension, measured in a vertical section perpendicular to a main window wall of an existing building from the centre of the lowest window, subtends an angle of more than 25° to the horizontal, then the diffuse daylighting of the existing building may be adversely affected. This will be the case if either:

- the VSC [vertical sky component] measured at the centre of an existing main window is less than 27%, and less than 0.8 times its former value; [or]*
- the area of the working plane in a room which can receive direct skylight is reduced to less than 0.8 times its former value.”*

- 3.2 So, where the angle to the horizontal subtended by the new development measured at the centre of the lowest window in an existing surrounding building (the angle of obstruction) is less than 25° (see Figure 2 below), the diffuse daylight to that building is unlikely to be significantly affected and need not be tested.

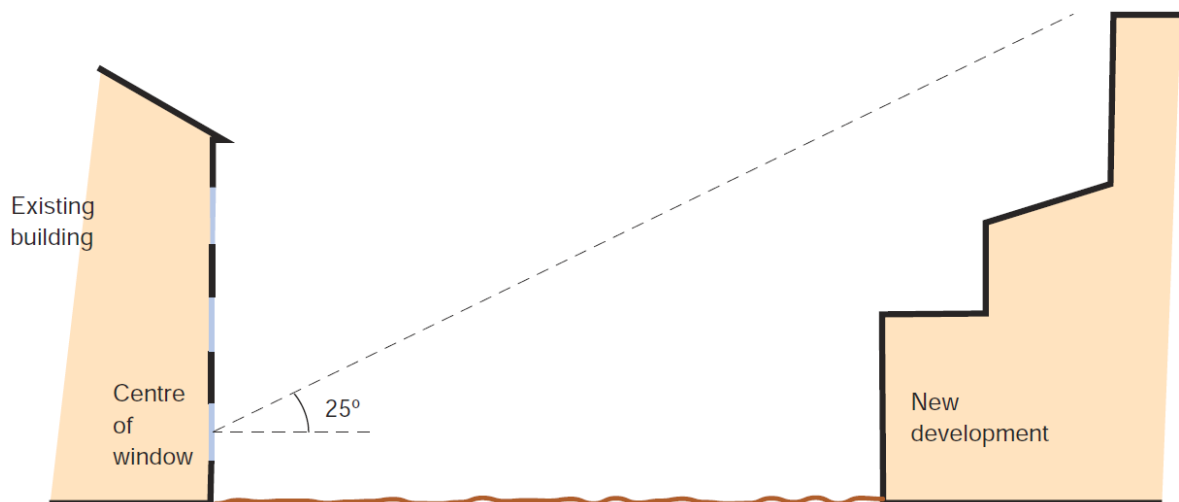


Figure 2 - Section perpendicular to a main window wall of an existing building showing a new development subtending an angle of less than 25° to the horizontal from the centre of the lowest window. (© BRE Report 209)

- 3.3 Where the obstruction angle is greater than 25°, both of the more detailed daylight tests should be undertaken, namely vertical sky component ('VSC') at the window and daylight distribution on the working plane. For each test the guidelines operate on the general principle that if the amount of daylight is reduced to less than 0.8 times its former value (i.e. there will be more than a 20% loss) the reduction will be noticeable to the building's occupants.
- 3.4 'Noticeable' does not necessarily equate to 'unacceptable' and the BRE's standard target values should not be considered as pass/fail criteria. Ultimately the local planning authority will need to make a judgement as to whether any impacts are acceptable when weighed against the many other planning considerations.
- 3.5 The VSC test measures the amount of skylight available at the centre of a window on the external plane of the window wall. It has a maximum value of almost 40% for a completely unobstructed vertical window wall. If a room has two or more windows of equal size, the mean of their VSCs may be taken. As the VSC calculation takes no account of the size of the window being tested, the size of the room it lights or multiple windows of unequal size, it does not measure light inside the room. It merely measures the potential conditions in the room. The VSC results can therefore be potentially misleading if considered in isolation and should be read in conjunction with those of the second test - daylight distribution.
- 3.6 The daylight distribution test calculates the area of the working plane inside a room that will have a direct view of the sky. This is done by plotting the no-sky line, i.e. the line on the working plane that divides those areas that receive direct skylight from those that do not, as shown in Figure 3 below.

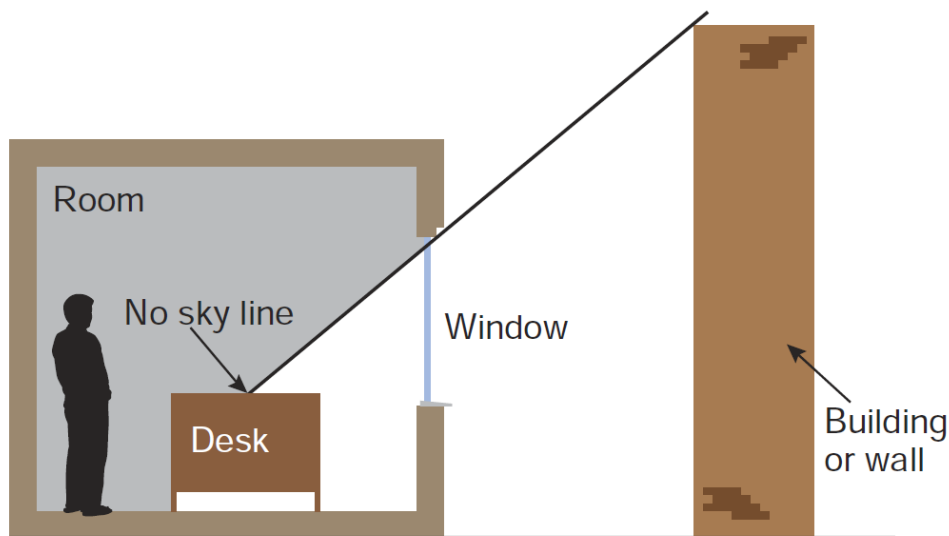


Figure 3 - The no-sky line divides areas of the working plan which can and cannot receive direct skylight.
(© BRE Report 209)

- 3.7 One benefit of the daylight distribution test is that the resulting contour plans show where the light falls within a room, both in the existing and proposed conditions, and a judgement may be made as to whether the room will retain light to a reasonable depth.
- 3.8 The BRE guidelines are intended for use for rooms in adjoining dwellings. They may also be applied to any existing non-domestic buildings where the occupants have a reasonable expectation of daylight, which could include schools, hospitals, hotels and offices. For dwellings it states that living rooms, dining rooms and kitchens should be assessed. Bedrooms should also be checked, although it states that they are less important. Other rooms, such as bathrooms, toilets, storerooms, circulation areas and garages need not be assessed.

Sunlight to existing surrounding buildings

- 3.9 Section 3.2 of the BRE Report makes recommendations concerning the impact on sunlight to existing dwellings or non-domestic buildings where there is a particular requirement for sunlight. The guide notes at paragraph 3.2.2 that:

“obstruction to sunlight may become an issue if:

- some part of a new development is situated within 90° of due south of a main window wall of an existing building; and*
- in the section drawn perpendicular to the existing window wall, the new development subtends an angle greater than 25° to the horizontal measured from the centre of the lowest window to a main living room.”*

- 3.10 If these angle criteria are not met, the guide recommends a more detailed check to calculate the impact of the proposed development on the available sunlight.

- 3.11 The guide suggests:

“all main living rooms of dwellings, and conservatories, should be checked if they have a window facing within 90° of due south. Kitchens and bedrooms are less important, although care should be taken not to block too much sun. Normally loss of sunlight need not be analysed to kitchens and bedrooms, except for bedrooms that also comprise a living space, for example a bed sitting room in an old people’s home. In non-domestic buildings any spaces which are deemed to have a special requirement for sunlight should be checked; they will normally face within 90° of due south anyway.” (BRE paragraph 3.2.3)

- 3.12 The available sunlight is measured in terms of the percentage of annual probable sunlight hours (‘APSH’) at the centre point of the window. ‘Probable sunlight hours’ is defined as:

“the total number of hours in the year that the sun is expected to shine on unobstructed ground, allowing for average levels of cloudiness for the location in question.”

3.13 Paragraph 3.2.13 of the BRE Report summarises its sunlight guidance as follows:

“If a living room of an existing dwelling has a main window facing within 90° of due south, and any part of a new development subtends an angle of more than 25° to the horizontal measured from the centre of the window in a vertical section perpendicular to the window, then the sunlighting of the existing dwelling may be adversely affected. This will be the case if the centre of the window:

- receives less than 25% of annual probable sunlight hours and less than 0.80 times its former annual value; or less than 5% of annual probable sunlight hours between 21 September and 21 March and less than 0.80 times its former value during that period;*
- and also has a reduction in sunlight received over the whole year greater than 4% of annual probable sunlight hours.”*

Sunlight to existing surrounding gardens and open spaces

3.14 Section 3.3 of the BRE Report makes recommendations concerning the impact of proposed development on sunlight to open spaces between buildings, such as main back gardens of houses, allotments, parks and playing fields, children’s playgrounds, outdoor swimming pools, sitting-out areas, such as in public squares and focal points for views, such as a group of monuments or fountains. The guide recommends that the level of overshadowing on such areas should be checked on the equinox (21 March).

3.15 The BRE Report recognises that each of these spaces has different sunlighting requirements and that it is difficult to suggest a hard and fast rule. It recommends that at least half of the amenity area should receive at least two hours of sunlight on the equinox on 21 March.

3.16 When assessing the impact of a proposed development on the level of overshadowing of an existing open amenity, the BRE guide recommends that:

“if, as a result of new development the area which can receive two hours of direct sunlight on 21 March is reduced to less than 0.8 times its former size, this further loss of sunlight is significant. The garden or amenity area will tend to look more heavily overshadowed”.

3.17 Sunlight at an altitude of 10° or less does not count, because it is likely to be blocked by planting anyway. Driveways and hard standing for cars is usually left out of the area calculation. Around housing, front gardens which are relatively small and visible from public footpaths can be omitted with only main back gardens needing to be analysed.

3.18 Fences or walls less than 1.5 metres high can be ignored. The guide notes that:

“normally, trees and shrubs need not be included, partly because their shapes are almost impossible to predict, and partly because the dappled shade of a tree is more pleasant than a deep shadow of a building”.

This is especially the case for deciduous trees, which provide welcome shade in the summer whilst allowing sunlight to penetrate during the winter months.

3.19 Paragraph 3.3.13 of the BRE guide notes that:

“where a large building is proposed that may affect a number of gardens or open spaces, it is often illustrative to plot a shadow plan showing the location of shadows at different times of day and year”.

3.20 It can be helpful to produce ‘before’ and ‘after’ shadow plots to show the difference that the proposed building will make. The guide notes that:

“In interpreting the impact of such differences, it must be borne in mind that nearly all structures will create areas of shadow, and some degree of transient overshadowing is to be expected.”

3.21 The BRE guide advises that 21 March (equinox) is the best date for which to prepare transient shadow plots as it gives an average level of shadowing. It notes that as an optional addition, plots for 21 June (summer solstice) may be helpful as they show the reduced shadowing then, although this represents the best case. Conversely, if shadows on 21 December (winter solstice) are plotted *“even low buildings will cast long shadows. In a built up area, it is common for large areas of the ground to be in shadow in December.”*

Computer simulation

3.22 Appendix A of the BRE guide describes a method for calculating VSC and APSH using various indicator templates and Appendix D shows how the no-sky line may be plotted inside a room. Where the obstructions on the skyline are complex these manual methods can be difficult to apply and the results can be crude. We therefore prefer to use computer simulation and our specialist software, which is based on the more accurate Waldram method, which is described in Appendix B of the BRE guide.

3.23 The information upon which our computer model was based is explained in the section 5 of this report.

4. APPLICATION OF BRE GUIDELINES

Flexible application of the guidelines

4.1 In its introduction the BRE Report 209 (third edition, 2022) states:

- *(Its) "main aim is ... to help to ensure good conditions in the local environment, considered broadly, with enough sunlight and daylight on or between buildings for good interior and exterior conditions."* (BRE paragraph 1.5)
- *"The guide is intended for building designers and their clients, consultants and planning officials. The advice given here is not mandatory and this document should not be seen as an instrument of planning policy; its aim is to help rather than constrain the designer."* (BRE paragraph 1.6)
- *"Although it gives numerical guidelines, these should be interpreted flexibly since natural lighting is only one of many factors in site layout design."* (BRE paragraph 1.6)

4.2 Clearly, the BRE guide is an advisory document, not a rigid set of rules. Care must therefore be taken to apply its recommendations in a manner fitting to the location of the proposed development.

Alternative target values

4.3 In theory the BRE report's numerical guidelines may be applied to any setting, whether that is a city centre, suburban area or rural village. However, it notes:

"In special circumstances the developer or planning authority may wish to use different target values. For example, in a historic city centre, or in an area with modern high rise buildings, a higher degree of obstruction may be unavoidable if new developments are to match the height and proportions of existing buildings... The calculation methods ... are entirely flexible in this respect." (BRE paragraph 1.6)

4.4 At paragraph 2.2.3 the guide states:

"Note that numerical values given here are purely advisory. Different criteria may be used based upon the requirements for daylighting in an area viewed against other site layout constraints."

- 4.5 Appendix F of the BRE Guide gives advice on setting alternative target values for skylight access. At page 85 it states:

“different targets may be used, based on the special requirements of the proposed development or its location”.

- 4.6 Clearly, rigid application of the numerical guidelines could well give rise to an inappropriate answer and form of development for city centre sites, in which case it may be appropriate to adopt lower target values that are more appropriate to the location concerned.

Proximity of neighbouring building to the boundary

- 4.7 The BRE guide permits the reasonableness or otherwise of the distance of the neighbouring building from the boundary to be taken into account. At paragraph 2.2.3 it states:

“Another important issue is whether the existing building is itself a good neighbour, standing a reasonable distance from the boundary and taking no more than its fair share of light”.

Interpretation of relative impacts

- 4.8 Except where the BRE guide’s specified minimum values will be retained in the proposed condition (see paragraphs 3.1, 3.13 and 3.15 above), the guide advises that a loss of light will be noticeable if the amount retained will be less than 0.8 times its former value. (We refer to this as the ‘BRE 0.8 guideline’.) Care must be taken when interpreting the ‘relative impact’ figures (in the columns marked “factor of former value” in the tables of results), because where an existing value is low even a small reduction in real terms can manifest itself as a large relative impact. For example a reduction from 6% VSC to 3% VSC will appear as a reduction to 0.5 times its former value, and is therefore a transgression of the guidelines in theory, but in reality a loss of 3% VSC is very small and would be barely perceptible.
- 4.9 When the previous edition of the BRE guidelines was launched in 2011, the BRE cited the above logic as the reason for introducing the third tier to their sunlight criteria, as referred to in paragraph 3.13 above, namely that sunlight will be adversely affected where it is reduced below 25% APSH annually or 5% APSH and to less than 0.8 times its former value and where the reduction annually is greater than 4% APSH criteria.

Balconies, projecting wings and other self-obstructing projections

- 4.10 The BRE guide acknowledges that balconies and projecting wings to existing neighbouring buildings artificially limit the available daylight and sunlight and, as a consequence, larger relative reductions in light may be unavoidable. More specifically it states:

“Existing windows with balconies above them typically receive less daylight. Because the balcony cuts out light from the top part of the sky, even a modest obstruction opposite may result in a large relative impact on the VSC, and on the area receiving direct skylight. One way to demonstrate this would be to carry out an additional calculation of the VSC and area receiving direct skylight, for both the existing and proposed situations, without the balcony in place. For example, if the proposed VSC with the balcony was under 0.8 times the existing value with the balcony, but the same ratio for the values without the balcony was well over 0.8, this would show that the presence of the balcony, rather than the size of the new obstruction, was the main factor in the relative loss of light.” (BRE paragraph 2.2.13)

“A larger relative reduction in VSC may also be unavoidable if the existing window has projecting wings on one or both sides of it, or is recessed into the building so that it is obstructed on both sides as well as above.” (BRE paragraph 2.2.14)

“Balconies and overhangs above an existing window tend to block sunlight, especially in summer above south-facing windows. Even a modest obstruction opposite may result in a large relative impact on the sunlight received. One way to demonstrate this would be to carry out an additional calculation of the APSH, for both the existing and proposed situations, without the balcony in place. For example, if the proposed APSH with the balcony was under 0.8 times the existing value with the balcony, but the same ratio for the values without the balcony was well over 0.8, this would show that the presence of the balcony, rather than the size of the new obstruction, was the main factor in the relative loss of sunlight.” (BRE paragraph 3.2.11)

- 4.11 Clearly, where windows are inset or self-obstructed by balconies or other projections they will be unusually sensitive to changes in massing opposite and transgressions of the BRE’s default numerical guidelines are more likely to arise. In such circumstances flexible application of the guidelines is very important.

Deep rooms

- 4.12 The BRE guide advises that light penetration into deep rooms lit from one side only may be unavoidably affected. At paragraph 2.2.12 it states

“The guidelines ... need to be applied sensibly and flexibly. There is little point in designing tiny gaps in the roof lines of new development in order to safeguard no sky lines in existing buildings. If an existing building contains rooms lit from one side only and greater than 5m deep, then a greater movement of the no sky line may be unavoidable.”

5. INFORMATION USED IN THE TECHNICAL STUDY

- 5.1 In order to carry out the tests recommended in the BRE Report, we commenced by building a 3D computer model of the existing buildings on the site, the existing surrounding buildings to be studied, other relevant background massing and the proposed scheme. The computer model is illustrated on the drawings at Appendix A and is based on the information listed below.

Proposed scheme:

- Hopkins Architect's 3D model of the proposed scheme received 17 September 2019.

Existing building on the site and existing surrounding buildings:

- Randall Surveys LLP's measured survey, forwarded as part of Hopkins Architects 3D model: HS-RMC_3D model_160922.dwg on 9 September 2016.
- OS map
- Aerial photography from Microsoft Bing
- Site photographs

Internal arrangements within existing surrounding buildings:

<u>Property</u>	<u>Drawings with planning application ref.</u>
12 Highgate Close	Planning Application Reference No. HGY/2014/1439: Proposed Ground, 1 st and Roof Plans
2 Bishopswood Close	Planning Application Reference No. HGY/2013/1157: Proposed Floor Plan drawing no. 005_Rev E, Proposed Exterior Elevation drawing no. 035_Rev--

- 5.2 Where plans of the existing surrounding buildings were not available we estimated the internal arrangements and room uses based on an external inspection. Where we have had to estimate internal arrangements and room uses, this has no bearing upon the tests for VSC or APSH because the reference point is at the centre of the window. It is relevant to the daylight distribution assessment, but in the absence of suitable plans, estimation is a conventional approach.

6. SCOPE OF TECHNICAL STUDY

- 6.1 In our experience local planning authorities are usually only concerned with the impact on dwellings and, perhaps, schools, hospitals and nursing homes. This is the basis on which we have scoped our technical study.
- 6.2 Having regard to the preliminary 25°-line test and orientation test recommended in the BRE Report, as explained above in paragraphs 3.1 and 3.9, we have calculated the impact of the proposed development on the daylight and sunlight levels to relevant rooms in the following existing surrounding buildings:

Table 1 - Scope of assessments

Properties	Daylight	Sunlight	Sunlight to gardens
12 Highgate close	Yes	Yes	Yes
11 Highgate Close	Yes	Yes	Yes
2 Bishopswood Road	Yes	Yes	No

- 6.3 We have only tested the impact on the main rooms in each property, as advised in the BRE guidelines. It is not necessary to test staircases, hallways, bathrooms, toilets etc.
- 6.4 Each of the existing surrounding buildings tested is shown labelled on the plan views of the computer model on our drawings at Appendix A of this report.
- 6.5 The daylight distribution contour plans at Appendix E show the window positions and room layouts that have been tested in each of the buildings concerned.
- 6.6 We have calculated the impact of the proposed development on sunlight on 21 March to the gardens at 11 and 12 Highgate Close. The locations of these spaces and the proportion of each that receives at least two hours of sunlight on 21 March in the existing and proposed conditions are shown on our drawing(s) at Appendix F.

7. IMPACT UPON SURROUNDING PROPERTIES

- 7.1 In this section of the report we set out our analysis of the results of our impact study under the headings of daylight and sunlight. For each element we will provide commentary on the results taking each property, or groups of properties, in turn.
- 7.2 To re-cap briefly on the assessment criteria explained in section 3, each of the tests is run in the existing and proposed condition so that the daylight and sunlight levels before and after development are quantified and the relative change is determined. Except where the BRE guide's specified minimum values will be retained in the proposed condition, it advises that a loss of light will be noticeable if the amount retained will be less than 0.8 times its former value (the "BRE 0.8 guideline").

Daylight to existing surrounding buildings

- 7.3 The numerical results of the vertical sky component ('VSC') test are tabulated at Appendix B. For the daylight distribution test, numerical results are tabulated at Appendix C and no-sky contour plans are shown on our drawings at Appendix E. On the plans, the area of the room with a view of sky in the proposed condition is enclosed by the red contour and in the existing condition by the green contour. Where there will be no effect on the no-sky contour the red contour sits on top of the green one and only the red contour is visible. Where there will be a change, the areas of the room that will either lose or gain a view of sky are cross-hatched black.
- 7.4 The numerical results of the percentage of annual probable sunlight hours ('APSH') test are tabulated at Appendix D. Only those buildings identified by application of the BRE guide's preliminary 25° line test and orientation test, as explained above, have been tested.

12 Highgate Close:

- 7.5 This is a three storey residential property located to the east of the site, which forms part of a terraced block. The proposed plans for this property were obtained from council records under planning application HGY/2014/1439. The assessment has been run for both the ground and first floors of this property as the proposed Richards Music Centre Scheme is a two storey development, so it will not affect floors above this within the any of neighbouring properties tested.
- 7.6 Our assessments show that all of the windows tested for this property will satisfy the BRE guidelines for VSC by either achieving 27% VSC or retaining greater than 0.8 times former value. In terms of daylight distribution, all rooms achieve the BRE guideline values by retaining greater than 0.8 times former value.

- 7.7 The assessment for sunlight has been run on all windows serving habitable spaces on the ground and first floors of this property, regardless of their orientation. The results show that, on a window by window basis, all of the windows tested adhere to the BRE guidelines by either retaining at least 25% APSH, of which 5% are during the winter months or achieving ratio reductions of 0.8 times and above. When the sunlight assessments are considered on a room basis, all rooms within this property achieve full BRE adherence.

11 Highgate Close:

- 7.8 This is another three storey residential property to the east of the proposed development. The layouts of 11 Highgate Close have been based on reasoned assumptions, with these estimations having been based on floor plans obtained for the adjacent property 10 Highgate Close.
- 7.9 The results indicate that all of the windows tested for this property will satisfy the BRE guidelines for VSC by either achieving 27% VSC or retaining greater than 0.8 times former value. In terms of daylight distribution, all rooms achieve the BRE guideline values by retaining greater than 0.8 times former value.

2 Bishopwood Road:

- 7.10 This is a residential building located to the south of the proposed development, which is divided in to several flats. The layouts have been based on a combination of floor plans obtained from council records for the rooms on the ground floor, assumed layouts for the rooms on the first floor and a combination of assumed layouts and estate agent's plans for the rooms in the basement.
- 7.11 The results show that there will be full adherence to the BRE guidelines for both the daylight and sunlight assessments, ensuring the occupants will not notice any reduction in light in the proposed condition.
- 7.12 The results indicate that all of the windows tested for this property will satisfy the BRE guidelines for VSC by either achieving 27% VSC or retaining greater than 0.8 times former value. In terms of daylight distribution, all rooms achieve the BRE guideline values by retaining greater than 0.8 times former value. In some cases, there are light gains to selected windows/rooms.

Sunlight to surrounding gardens and open spaces

- 7.13 In accordance with the BRE guidelines we have calculated the effect on the gardens at 11 & 12 Highgate Close by plotting the two-hour sun contour on 21 March in the existing and proposed condition, as shown on our drawing at Appendix F. The parts of each garden receiving at least two hours of sunlight are shaded yellow and expressed as a percentage on the drawings. The figures are also set out in Table 2 below.

Table 2 – Summary of two-hour sun-on-ground results

Address	Proportion in sun for ≥ 2 hrs on 21 March	
	Existing	Proposed
12 Highgate Close	80.4%	80.4%
11 Highgate Close	79.3%	79.3%

- 7.14 The results of the two-hour sun contour test confirm that neither of the amenity areas will experience any reduction in lit area as a result of the proposed development. Furthermore, both amenity spaces will continue to enjoy two hours of sunlight on the 21 March to greater than 50% of their areas, exceeding the BRE guidelines.

8. SUMMARY AND CONCLUSION

- 8.1 Haringey Council London Borough's planning policy seeks to safeguard daylight and sunlight to existing buildings and points to the guidance published in BRE Report 209, *Site Layout Planning for Daylight and Sunlight: A guide to good practice*.
- 8.2 We have undertaken a study of the impact of the proposed development on the relevant rooms in the surrounding dwellings. The tests were undertaken in accordance with the BRE Report 209, *Site Layout Planning for Daylight and Sunlight: A guide to good practice* (third edition, 2022). The BRE guide gives useful advice and recommends various numerical guidelines by which to assess the impact of development on daylight and sunlight to existing surrounding properties.
- 8.3 The results have shown that all of the neighbouring properties assessed achieve full adherence to the BRE guidelines in terms of both daylight and sunlight under the proposed condition. In some cases, there are light gains with the proposed development in place, especially relating to 2 Bishopswood Road.
- 8.4 In conclusion, the layout of the proposed development follows the BRE guidelines and will not significantly reduce sunlight or daylight to existing surrounding properties. Therefore, Haringey's planning policy on daylight and sunlight to neighbouring will be satisfied.



.....
ANSTEY HORNE

3 November 2022

APPENDIX A

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PLAN AND 3D VIEWS OF THE COMPUTER MODEL

DRAWING NOS. ROL7516_R07_001 TO 006



 Existing
 Consented

 Proposed
 Cutback

12120
 AOD Height (mm)

EXISTING, SURROUNDING & ANALYSED BUILDINGS

Site and aerial photos.

PROPOSED BUILDINGS
HOPKINS ARCHITECTS 3D MODEL
Received on 17/09/19



REV	DESCRIPTION	DATE
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CLIENT: HIGHGATE SCHOOL

PROJECT TITLE:	HIGHGATE SCHOOL LONDON
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SCHEME REF: SCHEME RECEIVED: 17/09/19

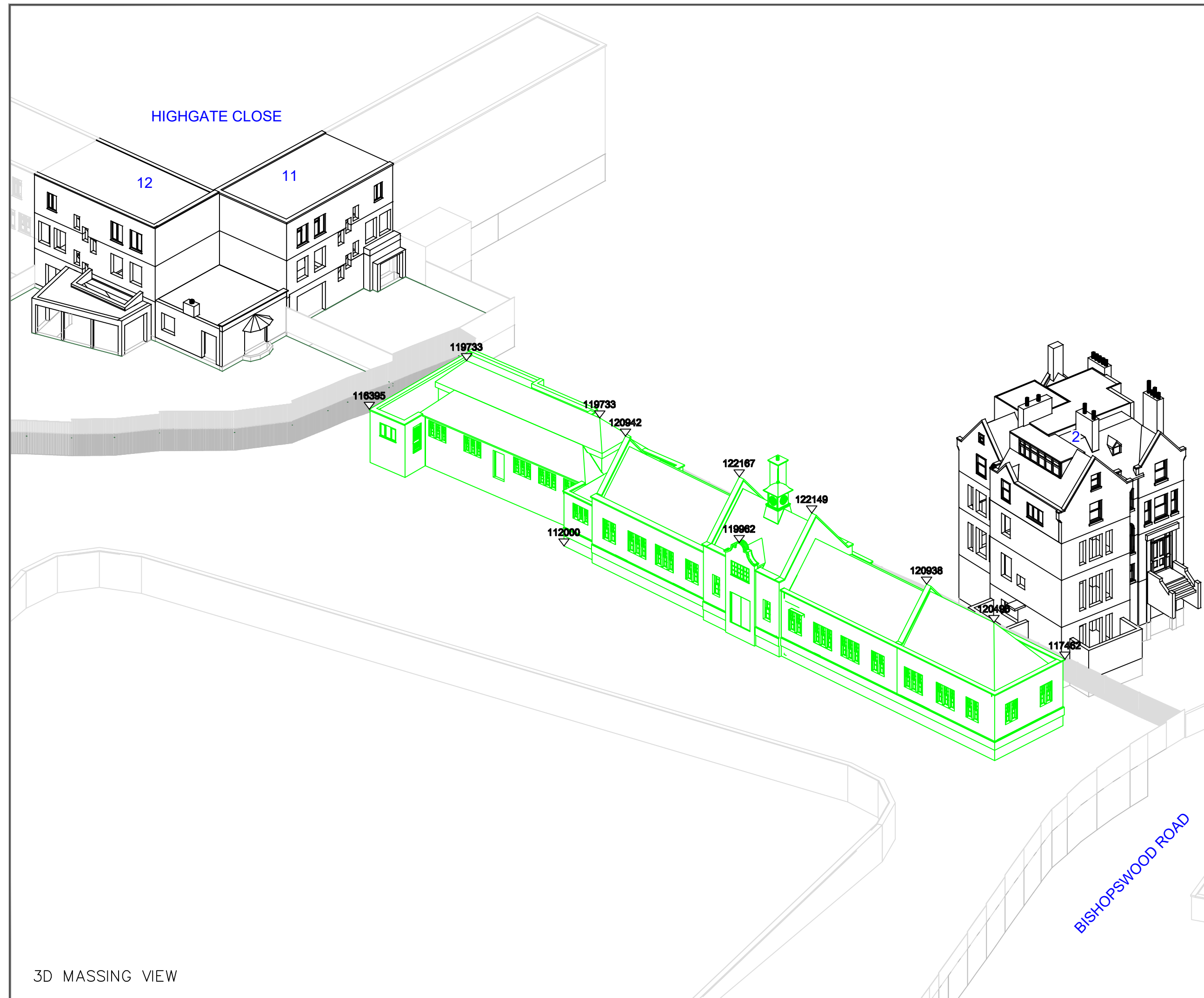
DRAWING TITLE:	SITE PLAN VIEW EXISTING CONDITION
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MODELLED BY:/ DRAWN BY: WS/BS	DATE: OCT.2019	SCALE: 1:500	A3
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PROJECT No:	RELEASE No:	VERSION No:	DRAWING No:
ROL7516_R07_V01_			001

Site Plan

SITE PLAN VIEW



3D MASSING VIEW

LEGEND:	
■ Existing	■ Consented
■ Proposed	■ Cutback
▲ 12120	AOD Height (mm)

SOURCES OF INFORMATION:

EXISTING, SURROUNDING & ANALYSED BUILDINGS
RANDALL SURVEYS 3D MODEL
Received on 13/09/15

Site and aerial photos.

PROPOSED BUILDINGS
HOPKINS ARCHITECTS 3D MODEL
Received on 17/09/19

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PROJECT TITLE: HIGHGATE SCHOOL LONDON		
SCHEME REF: SCHEME RECEIVED: 17/09/19		
DRAWING TITLE: 3D MASSING MODEL VIEW EXISTING CONDITION		
MODELLER BY: JWS/BS	DRAWN BY: JWS/BS	DATE: OCT.2019
SCALE: N.T.S.	A3	
PROJECT No: ROL7516_R07_V01_	RELEASE No:	VERSION No: 002
3D Massing Model		

Existing Consented

 Proposed
 Cutback

12120 ▼	AOD Height (mm)
------------	-----------------

SOURCES OF INFORMATION:

EXISTING, SURROUNDING & ANALYSED BUILDINGS

RANDALL SURVEYS 3D MODEL
Received on 13/09/15

Site and aerial photos.

PROPOSED BUILDINGS

HOPKINS ARCHITECTS 3D MODEL
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PROJECT TITLE:	HIGHGATE SCHOOL LONDON
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SCHEME REF: SCHEME RECEIVED: 17/09/19

DRAWING TITLE:	3D MASSING MODEL VIEW EXISTING CONDITION
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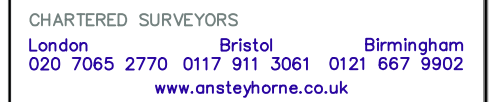
MODELLED BY:/ DRAWN BY: WS/BS	DATE: OCT.2019	SCALE: N.T.S.	A3
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PROJECT No: _	RELEASE No: _	VERSION No: _	DRAWING No: _
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ROL7516_R07_V01_	003
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3D Massing Model

3D MASSING VIEW



 Existing
 Consented

 Proposed
 Cutback

12120
 ↓
 AOD Height (mm)

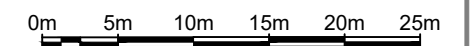
EXISTING, SURROUNDING & ANALYSED BUILDINGS

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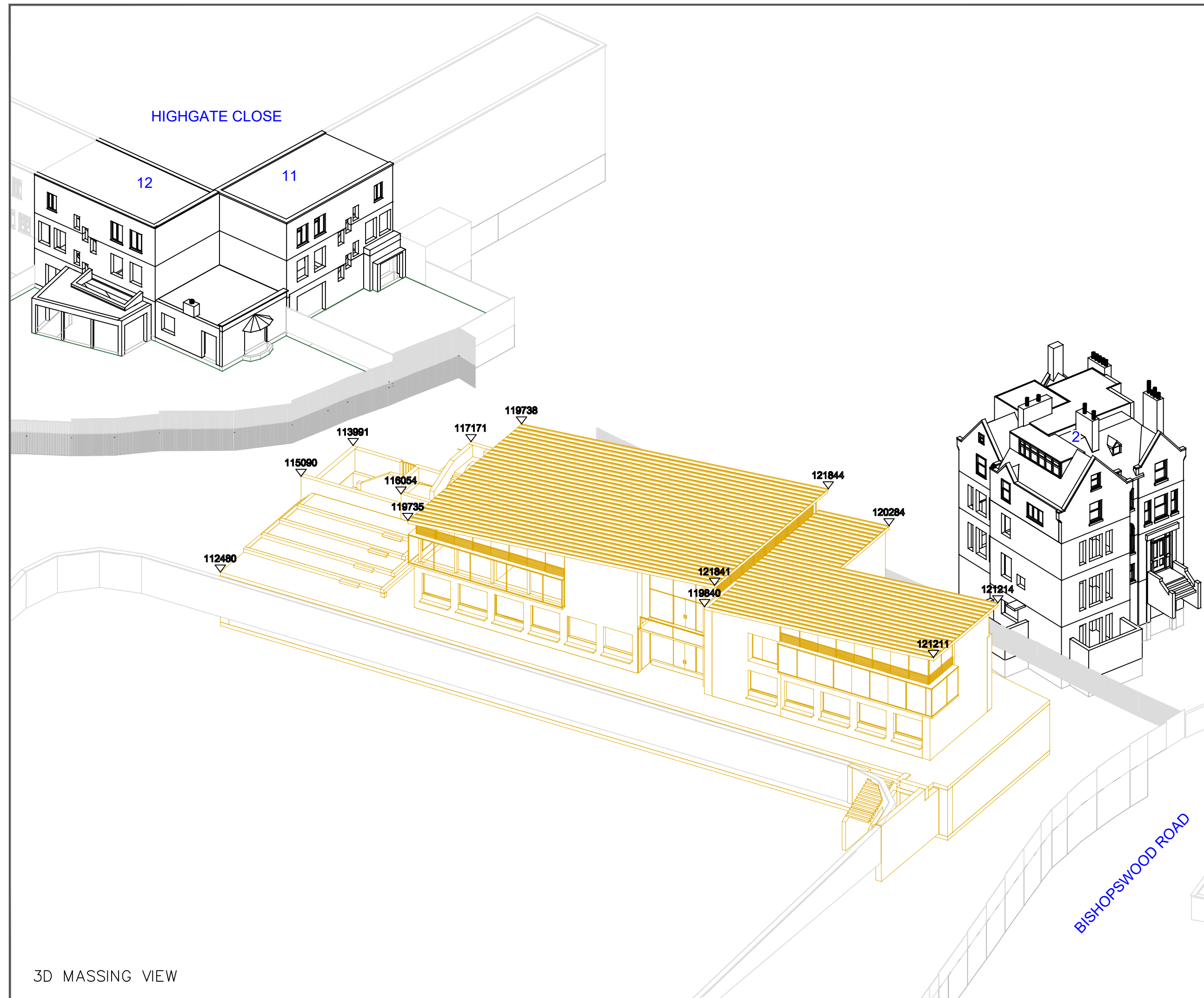
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PROPOSED BUILDINGS

HOPKINS ARCHITECTS 3D MODEL
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PROJECT TITLE: HIGHGATE SCHOOL LONDON			
SCHEME REF: SCHEME RECEIVED: 17/09/19			
DRAWING TITLE: SITE PLAN VIEW PROPOSED CONDITION			
MODELLED BY/ DRAWN BY: WS/BS		DATE: OCT.2019	SCALE: 1:500 A3
PROJECT No:		RELEASE No:	VERSION No:
ROL7516_R07_V01_		004	
Site Plan			



LEGEND:

- Existing
- Proposed
- Consented
- Cutback
- AOD Height (mm)

SOURCES OF INFORMATION:

EXISTING, SURROUNDING & ANALYSED BUILDINGS
RANDALL SURVEYS 3D MODEL
Received on 13/09/15
Site and aerial photos.
PROPOSED BUILDINGS
HOPKINS ARCHITECTS 3D MODEL
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PROJECT TITLE:	HIGHGATE SCHOOL LONDON	
SCHEME REF:	SCHEME RECEIVED: 17/09/19	
DRAWING TITLE:	3D MASSING MODEL VIEW PROPOSED CONDITION	
MODELLER BY: WS/BS	DRAWN BY: WS/BS	DATE: OCT.2019
SCALE:	N.T.S.	A3
PROJECT No:	RELEASE No:	VERSION No:
ROL7516_R07_V01_		005
3D Massing Model		

3D MASSING VIEW



 Existing
 Consented

 Proposed
 Cutback

12120
 AOD Height (mm)

RANDALL SURVEYS **3D MODEL**
Received on 13/09/15

Site and aerial photos.

HOPKINS ARCHITECTS 3D MODEL
Received on 17/09/19

BISHOPSWOOD ROAD

REV	DESCRIPTION	DATE
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CLIENT: HIGHGATE SCHOOL

PROJECT TITLE:	HIGHGATE SCHOOL LONDON
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SCHEME REF: SCHEME RECEIVED: 17/09/19

DRAWING 3D MASSING MODEL VIEW
TITLE: PROPOSED CONDITION

MODELLED BY:/ DRAWN BY: WS/BS	DATE: OCT.2019	SCALE: N.T.S.	A3
----------------------------------	-------------------	---------------	-----------

PROJECT No: __	RELEASE No: __	VERSION No: __	DRAWING No: __
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ROL7516_R07_V01_	006
------------------	-----

3D Massing Model

APPENDIX B

-

VERTICAL SKY COMPONENT ('VSC') TABLE

TABLE P1
VERTICAL SKY COMPONENT (VSC)
SURROUNDING BUILDINGS

Property/ room ref.	Property type	Room usage	Window ref.	Existing VSC(%)	Proposed VSC(%)	*Factor of former value
12 HIGHGATE CLOSE						
Gnd Floor						
R3/10	RESIDENTIAL	LIVINGROOM	W4/10	35.10	35.04	N/A
R3/10	RESIDENTIAL	LIVINGROOM	W5/10	38.35	38.28	N/A
R3/10	RESIDENTIAL	LIVINGROOM	W6/10	28.38	28.20	N/A
R3/10	RESIDENTIAL	LIVINGROOM	W7/10	36.95	36.64	N/A
R3/10	RESIDENTIAL	LIVINGROOM	W8/10	35.67	35.40	N/A
R3/10	RESIDENTIAL	LIVINGROOM	W9/10	32.13	31.97	N/A
R3/10	RESIDENTIAL	LIVINGROOM	W10/10	19.41	19.42	1.00
1st Floor						
R2/11	RESIDENTIAL	BEDROOM	W6/11	39.54	39.53	N/A
R2/11	RESIDENTIAL	BEDROOM	W7/11	39.54	39.53	N/A
R2/11	RESIDENTIAL	BEDROOM	W18/11	30.09	30.09	N/A
Gnd Floor						
R1/20	RESIDENTIAL	GARDEN ROOM	W1/20	28.54	28.54	N/A
R1/20	RESIDENTIAL	GARDEN ROOM	W2/20	38.58	38.53	N/A
R1/20	RESIDENTIAL	GARDEN ROOM	W3/20	66.33	66.32	N/A
R1/20	RESIDENTIAL	GARDEN ROOM	W4/20	38.65	38.60	N/A
R1/20	RESIDENTIAL	GARDEN ROOM	W5/20	38.67	38.60	N/A
R1/20	RESIDENTIAL	GARDEN ROOM	W6/20	28.74	28.51	N/A
11 HIGHGATE CLOSE						
Gnd Floor						
R4/10	RESIDENTIAL	KD	W11/10	34.75	34.83	N/A
R4/10	RESIDENTIAL	KD	W18/10	24.00	24.00	1.00
R6/10	RESIDENTIAL		W15/10	29.54	29.70	1.01
1st Floor						
R3/11	RESIDENTIAL	BEDROOM	W8/11	38.38	38.27	N/A
R3/11	RESIDENTIAL	BEDROOM	W9/11	38.36	38.25	N/A
R5/11	RESIDENTIAL	LIVINGROOM	W13/11	38.30	38.25	N/A
R5/11	RESIDENTIAL	LIVINGROOM	W14/11	38.30	38.25	N/A
R5/11	RESIDENTIAL	LIVINGROOM	W15/11	36.21	36.21	N/A
R5/11	RESIDENTIAL	LIVINGROOM	W16/11	34.46	34.46	N/A
R5/11	RESIDENTIAL	LIVINGROOM	W17/11	33.02	33.02	N/A
2 BISHOPSWOOD ROAD						
Base Floor						
R1/39	RESIDENTIAL		W1/39	20.52	20.06	0.98

*NOTES: 'Factor of former value' = Proposed VSC / Existing VSC.

A factor greater than 1 indicates an increase in daylight.

A proposed VSC of 27% or more satisfies the BRE criteria and the ratio is N/A.

TABLE P1
VERTICAL SKY COMPONENT (VSC)
SURROUNDING BUILDINGS

Property/ room ref.	Property type	Room usage	Window ref.	Existing VSC(%)	Proposed VSC(%)	*Factor of former value
R2/39	RESIDENTIAL		W2/39	27.87	27.89	N/A
R2/39	RESIDENTIAL		W3/39	28.63	29.17	1.02
R2/39	RESIDENTIAL		W4/39	28.13	28.58	1.02
Gnd Floor						
R1/40	RESIDENTIAL	RECEPTION	W1/40	31.58	31.59	N/A
R1/40	RESIDENTIAL	RECEPTION	W2/40	36.89	36.93	N/A
R1/40	RESIDENTIAL	RECEPTION	W3/40	31.30	30.71	N/A
R1/40	RESIDENTIAL	RECEPTION	W4/40	31.00	29.82	N/A
R1/40	RESIDENTIAL	RECEPTION	W5/40	30.27	29.22	N/A
R1/40	RESIDENTIAL	RECEPTION	W6/40	26.63	25.77	0.97
R2/40	RESIDENTIAL	KITCHEN	W7/40	31.35	30.81	N/A
R4/40	RESIDENTIAL	BEDROOM	W9/40	33.28	33.67	1.01
R4/40	RESIDENTIAL	BEDROOM	W10/40	33.30	33.58	1.01
R4/40	RESIDENTIAL	BEDROOM	W11/40	33.30	33.50	1.01
1st Floor						
R1/41	RESIDENTIAL	NORTH WINDOWS	W1/41	35.57	35.55	N/A
R1/41	RESIDENTIAL	NORTH WINDOWS	W2/41	38.52	38.48	N/A
R1/41	RESIDENTIAL	NORTH WINDOWS	W3/41	37.90	37.51	N/A
R1/41	RESIDENTIAL	NORTH WINDOWS	W4/41	37.14	36.68	N/A
R1/41	RESIDENTIAL	NORTH WINDOWS	W5/41	33.14	32.66	N/A
R2/41	RESIDENTIAL		W6/41	38.85	38.35	N/A
R3/41	RESIDENTIAL		W7/41	36.30	36.26	N/A
R3/41	RESIDENTIAL		W8/41	36.21	36.18	N/A
R3/41	RESIDENTIAL		W9/41	36.14	36.12	N/A

*NOTES: 'Factor of former value' = Proposed VSC / Existing VSC.

A factor greater than 1 indicates an increase in daylight.

A proposed VSC of 27% or more satisfies the BRE criteria and the ratio is N/A.

APPENDIX C

-

DAYLIGHT DISTRIBUTION TABLE

TABLE P2
 DAYLIGHT DISTRIBUTION (DD)
 SURROUNDING BUILDINGS

Property / room ref.	Property type	Room Usage	Room area (m ²)	Existing lit area (m ²)	Proposed lit area (m ²)	*Factor of former value
12 HIGHGATE CLOSE						
Gnd Floor R3/10	RESIDENTIAL	LIVINGROOM	36.51	36.49	36.49	1.00
1st Floor R2/11	RESIDENTIAL	BEDROOM	21.01	20.87	20.87	1.00
Gnd Floor R1/20	RESIDENTIAL	GARDEN ROOM	26.84	26.84	26.84	1.00
11 HIGHGATE CLOSE						
Gnd Floor R4/10	RESIDENTIAL	KD	27.87	27.82	27.82	1.00
R6/10	RESIDENTIAL		12.33	12.25	12.25	1.00
1st Floor R3/11	RESIDENTIAL	BEDROOM	16.34	16.14	16.14	1.00
R5/11	RESIDENTIAL	LIVINGROOM	29.74	29.42	29.42	1.00
2 BISHOPSWOOD ROAD						
Base Floor R1/39	RESIDENTIAL		19.47	11.19	12.28	1.10
R2/39	RESIDENTIAL		20.03	19.13	19.13	1.00
Gnd Floor R1/40	RESIDENTIAL	RECEPTION	30.20	30.07	30.07	1.00
R2/40	RESIDENTIAL	KITCHEN	9.47	9.24	9.24	1.00
R4/40	RESIDENTIAL	BEDROOM	19.44	18.65	18.65	1.00
1st Floor R1/41	RESIDENTIAL	NORTH WINDOW	26.77	26.63	26.63	1.00
R2/41	RESIDENTIAL		9.47	9.26	9.26	1.00
R3/41	RESIDENTIAL		19.44	18.65	18.65	1.00

APPENDIX D

-

ANNUAL PROBABLE SUNLIGHT HOURS ('APSH') TABLE

TABLE P3
ANNUAL PROBABLE SUNLIGHT HOURS (APSH)
SURROUNDING BUILDINGS

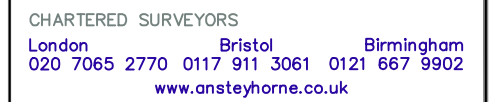
PROPERTY					WINDOW						ROOM					
					ANNUAL SUNLIGHT (% APSH)			WINTER SUNLIGHT (% APSH IN WINTER)			ANNUAL SUNLIGHT (% APSH)			WINTER SUNLIGHT (% APSH IN WINTER)		
Room ref.	Property type	Flat no.	Window ref.	Room use	Existing (%)	Proposed (%)	*Factor of former value	Existing (%)	Proposed (%)	*Factor of former value	Existing (%)	Proposed (%)	*Factor of former value	Existing (%)	Proposed (%)	*Factor of former value
12 HIGHGATE CLOSE																
Gnd Floor																
R3/10	RESIDENTIAL		W4/10	LIVINGROOM	8	8	1.00	0	0	-						
R3/10	RESIDENTIAL		W5/10	LIVINGROOM	10	10	1.00	0	0	-						
R3/10	RESIDENTIAL		W6/10	LIVINGROOM	15	15	1.00	1	1	1.00						
R3/10	RESIDENTIAL		W7/10	LIVINGROOM	37	37	N/A	7	7	N/A						
R3/10	RESIDENTIAL		W8/10	LIVINGROOM	45	45	N/A	10	10	N/A						
R3/10	RESIDENTIAL		W9/10	LIVINGROOM	44	44	N/A	8	8	N/A						
R3/10	RESIDENTIAL		W10/10	LIVINGROOM	41	41	N/A	7	7	N/A	48	48	N/A	10	10	N/A
1st Floor																
R2/11	RESIDENTIAL		W6/11	BEDROOM	13	13	1.00	0	0	-						
R2/11	RESIDENTIAL		W7/11	BEDROOM	13	13	1.00	0	0	-						
R2/11	RESIDENTIAL		W18/11	BEDROOM	63	63	N/A	19	19	N/A	76	76	N/A	19	19	N/A
Gnd Floor																
R1/20	RESIDENTIAL		W1/20	GARDEN ROOM	10	10	1.00	0	0	-						
R1/20	RESIDENTIAL		W2/20	GARDEN ROOM	13	13	1.00	0	0	-						
R1/20	RESIDENTIAL		W3/20	GARDEN ROOM	16	16	1.00	0	0	-						
R1/20	RESIDENTIAL		W4/20	GARDEN ROOM	13	13	1.00	0	0	-						
R1/20	RESIDENTIAL		W5/20	GARDEN ROOM	13	13	1.00	0	0	-						
R1/20	RESIDENTIAL		W6/20	GARDEN ROOM	22	22	1.00	0	0	-	33	33	N/A	0	0	-
11 HIGHGATE CLOSE																
Gnd Floor																
R4/10	RESIDENTIAL		W11/10	KD	49	49	N/A	14	14	N/A						
R4/10	RESIDENTIAL		W18/10	KD	44	44	N/A	14	14	N/A	93	93	N/A	28	28	N/A
R6/10	RESIDENTIAL		W15/10		27	27	N/A	1	1	1.00	27	27	N/A	1	1	1.00
1st Floor																
R3/11	RESIDENTIAL		W8/11	BEDROOM	49	49	N/A	14	14	N/A						
R3/11	RESIDENTIAL		W9/11	BEDROOM	50	50	N/A	15	15	N/A	50	50	N/A	15	15	N/A
R5/11	RESIDENTIAL		W13/11	LIVINGROOM	49	49	N/A	14	14	N/A						
R5/11	RESIDENTIAL		W14/11	LIVINGROOM	49	49	N/A	14	14	N/A						
R5/11	RESIDENTIAL		W15/11	LIVINGROOM	49	49	N/A	15	15	N/A						
R5/11	RESIDENTIAL		W16/11	LIVINGROOM	49	49	N/A	15	15	N/A						
R5/11	RESIDENTIAL		W17/11	LIVINGROOM	49	49	N/A	15	15	N/A	98	98	N/A	29	29	N/A
2 BISHOPSWOOD ROAD																
Gnd Floor																
R1/40	RESIDENTIAL		W1/40	RECEPTION	54	54	N/A	15	15	N/A						
R1/40	RESIDENTIAL		W2/40	RECEPTION	52	52	N/A	15	15	N/A						
R1/40	RESIDENTIAL		W3/40	RECEPTION	27	27	N/A	4	4	1.00						
R1/40	RESIDENTIAL		W4/40	RECEPTION	7	7	1.00	0	0	-						
R1/40	RESIDENTIAL		W5/40	RECEPTION	6	6	1.00	0	0	-						
R1/40	RESIDENTIAL		W6/40	RECEPTION	6	6	1.00	0	0	-	55	55	N/A	15	15	N/A
1st Floor																
R1/41	RESIDENTIAL		W1/41	NORTH WINDOWS BRICK	36	36	N/A	7	7	N/A						
R1/41	RESIDENTIAL		W2/41	NORTH WINDOWS BRICK	50	50	N/A	15	15	N/A						
R1/41	RESIDENTIAL		W3/41	NORTH WINDOWS BRICK	8	8	1.00	0	0	-						
R1/41	RESIDENTIAL		W4/41	NORTH WINDOWS BRICK	7	7	1.00	0	0	-						
R1/41	RESIDENTIAL		W5/41	NORTH WINDOWS BRICK	6	7	1.17	0	0	-	51	51	N/A	15	15	N/A

APPENDIX E

-

DAYLIGHT DISTRIBUTION CONTOUR PLANS

DRAWING NOS. ROL7516_R07_101 TO 103



Room Layout - Plan/ Inspection

Room Layout - Notional/ Cellular

Room Layout - Assumed

Proposed Contour

Existing Contour

Square Ft. Grid

PROPOSED BUILDINGS
HOPKINS ARCHITECTS 3D MODEL
Received on 17/09/19

The floor plan illustrates the layout of the first floor. The Living Room (R3/10) is a large rectangular space on the left. The Hall (R2/10) is a central area with a blue outline. The Garden Room (R1/20) is a rectangular space on the right, with a purple outline. A Lobby (R1/10) is located outside the Garden Room. The plan includes various windows (W1/10, W2/10, W3/10, W4/10, W5/10, W6/10, W7/10, W8/10, W9/10, W10/10) and a door (D1/10). The building is situated on a plot with a boundary line and a road (R1/10) to the right.

The floor plan shows a residential unit with the following features:

- R2/11 BEDROOM:** A large rectangular room with a purple outline, located in the center-left of the unit.
- R1/11 HALL:** A rectangular room with a blue outline, located to the right of the bedroom.
- Kitchen:** Located at the top of the unit, featuring a sink and a stove.
- Bathroom:** Located at the bottom of the unit, adjacent to the bedroom.
- Living Area:** Located at the bottom of the unit, adjacent to the bedroom.
- Windows:** Labeled W1/11 through W18/11, distributed along the top and bottom walls.
- Door:** A door is shown leading from the living area to a balcony or terrace area.



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PROJECT TITLE:	HIGHGATE SCHOOL LONDON
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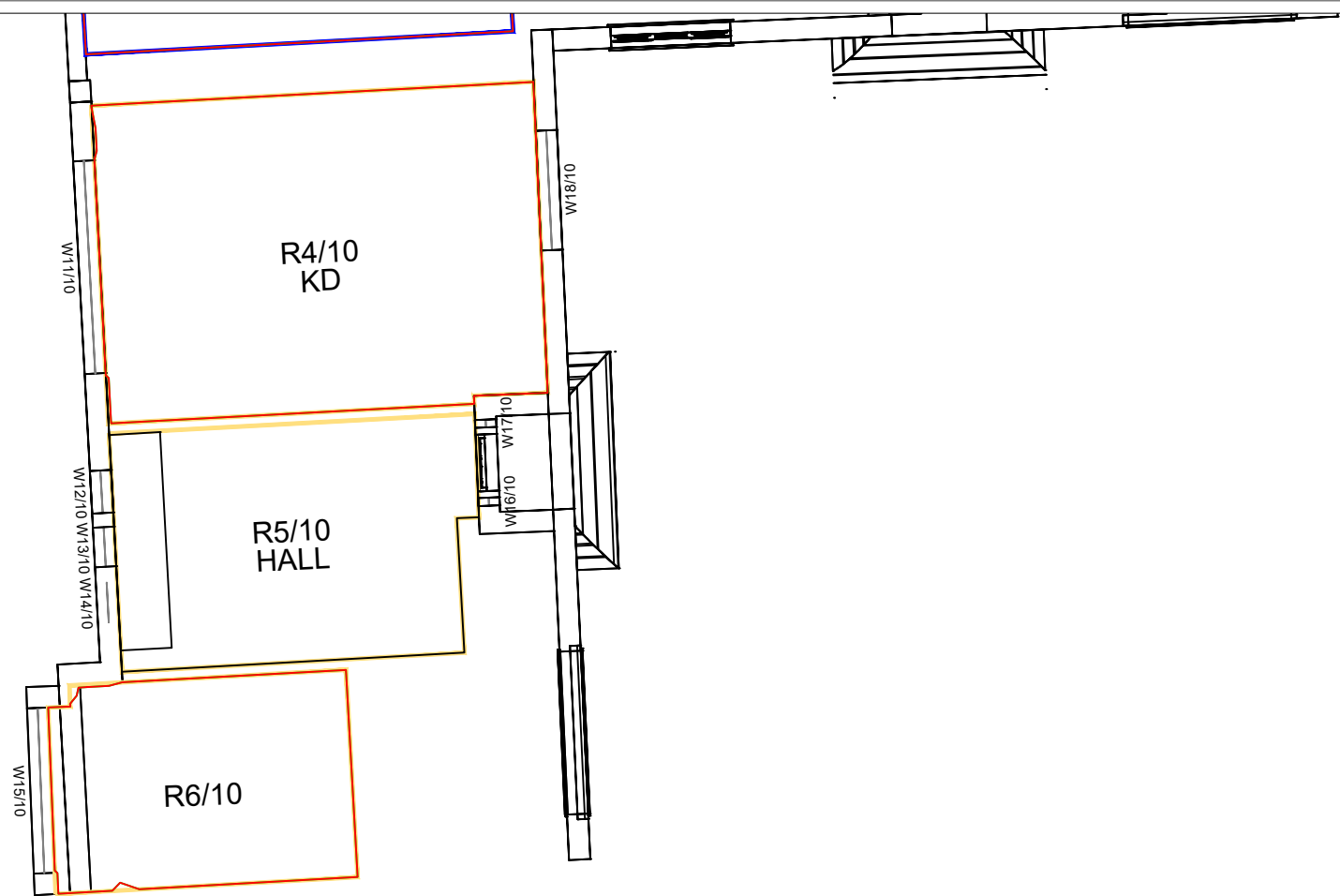
DRAWING	DAYLIGHT DISTRIBUTION CONTOURS
TITLE:	12 HIGHGATE CLOSE

MODELLED BY:/ DRAWN BY: WS/BS	DATE: OCT.2019	SCALE: 1:100	A3
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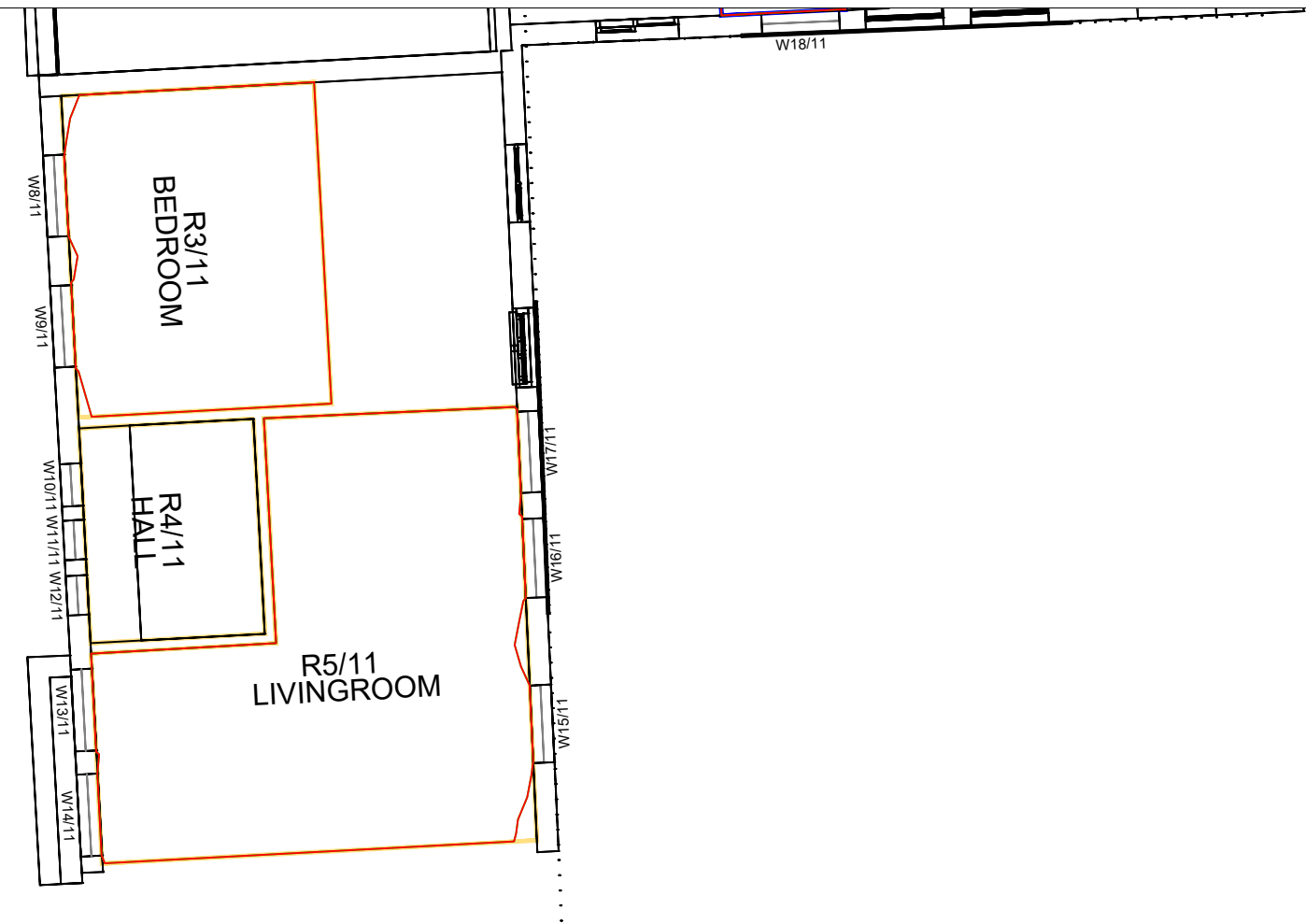
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ROL7516_R07_V01_	101
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Daylight & Sunlight



GROUND



1ST FLOOR

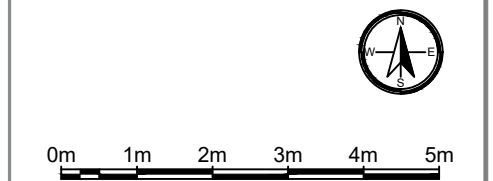
LEGEND:

- Room Layout - Plan/ Inspection
- Room Layout - Notional/ Cellular
- Room Layout - Assumed
- Proposed Contour
- Existing Contour
- Square Ft. Grid

SOURCES OF INFORMATION:

EXISTING, SURROUNDING & ANALYSED BUILDINGS
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PROJECT TITLE: HIGHGATE SCHOOL LONDON		
SCHEME REF: SCHEME RECEIVED: 17/09/19		
DRAWING TITLE: DAYLIGHT DISTRIBUTION CONTOURS 11 HIGHGATE CLOSE		
MODELLED BY: JWS/BS	DRAWN BY: JWS/BS	DATE: OCT.2019
SCALE: 1:100	A3	
PROJECT No: ROL7516_R07_V01_	RELEASE No:	VERSION No:
DRAWING No: 102		
Daylight & Sunlight		

LEGEND:

Room Layout - Plan/ Inspection

Room Layout - Notional/ Cellular

Room Layout - Assumed

Proposed Contour

Existing Contour

Square Ft. Grid

SOURCES OF INFORMATION:

EXISTING, SURROUNDING & ANALYSED BUILDINGS
RANDALL SURVEYS 3D MODEL
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Site and aerial photos.

PROPOSED BUILDINGS
HOPKINS ARCHITECTS 3D MODEL
Received on 17/09/19



0m 1m 2m 3m 4m 5m

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CLIENT: HIGHGATE SCHOOL		
PROJECT TITLE: HIGHGATE SCHOOL LONDON		
SCHEME REF: SCHEME RECEIVED: 17/09/19		
DRAWING TITLE: DAYLIGHT DISTRIBUTION CONTOURS 2 BISHOPSWOOD ROAD		
MODELLED BY: JWS/BS	DRAWN BY: JWS/BS	DATE: OCT.2019
SCALE: 1:100		A3
PROJECT No: ROL7516_R07_V01_		RELEASE No: VERSION No: DRAWING No: 103
Daylight & Sunlight		

BASEMENT

GROUND

1ST FLOOR

APPENDIX F

-

TWO-HOUR SUN CONTOUR ON 21 MARCH DRAWINGS

DRAWING NO. ROL7516_R07_301

LEGEND:

- Area receiving $\geq$ 2hr Sunlight on 21st March
- Area receiving $<$ 2hr Sunlight on 21st March
- X% - Percentage of Amenity Space receiving $\geq$ 2hr Sunlight on 21st March

SOURCES OF INFORMATION:

EXISTING, SURROUNDING & ANALYSED BUILDINGS
RANDALL SURVEYS 3D MODEL
Received on 13/09/15
Site and aerial photos.
PROPOSED BUILDINGS
HOPKINS ARCHITECTS 3D MODEL
Received on 17/09/19



0m 1m 2m 3m 4m 5m

REV	DESCRIPTION	DATE
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CLIENT: HIGHGATE SCHOOL

PROJECT TITLE: HIGHGATE SCHOOL LONDON

SCHEME REF: SCHEME RECEIVED: 17/09/19

DRAWING TITLE: TWO-HOUR SUNLIGHT TEST EXISTING V. PROPOSED MARCH 21

MODELLED BY: JWS/BS DRAWN BY: DATE: OCT.2019 SCALE: 1:100 A3

PROJECT No: RELEASE No: VERSION No: DRAWING No:

ROL7516_R07_V01_ 301

2Hr Sun-On-Ground

EXISTING

PROPOSED

80.4%

12

HIGHGATE CLOSE

79.3%

11

80.4%

12

HIGHGATE CLOSE

79.3%

11



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