



Noise Assessment

Land West of Church Lane, Climping

March 2022

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Noise Assessment

07/03/2022

Vivid and Climping Homes Ltd

Unit 1, Station Industrial Park

Duncan Road

Park Gate

Hampshire, SO31 1BX

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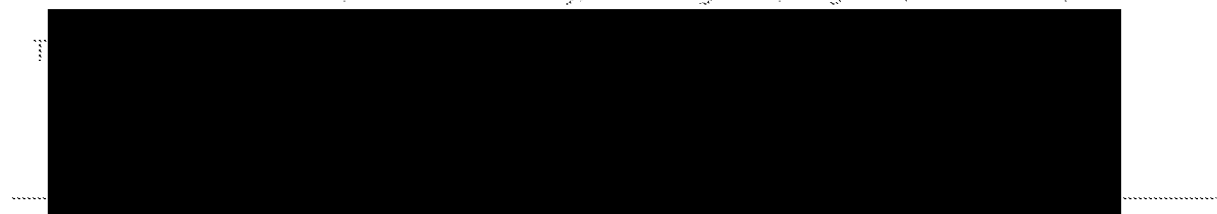
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Phlorum Limited

Southern Office: Unit 12, Hunns Mere Way, Woodingdean, Brighton, East Sussex, BN2 6AH



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1. Introduction

- 1.1 Phlorum Ltd has been commissioned by Vivid and Climping Homes Ltd to undertake a noise assessment at the Land West of Church Lane, Climping for the submission of a reserved matters application for the erection of 300 dwellings and a building within use class E.
- 1.2 Further to the August 2021 Noise assessment Report, comments were received from the Environmental Health Team of Arun District Council requesting:
 - ☛ Reference to Conditions 4, 17 & 18, which were implemented on appeal.
 - ☛ Specific noise information relating to plot numbers and acoustic requirements as part of this.

These comments have been addressed within this revised Noise Assessment Report.

- 1.3 The noise climate at the site has been established by both direct measurement and noise modelling and the suitability of the site for the proposed development considered against national and local planning policy, and guidelines on noise. Where necessary, mitigation measures have been recommended so that a noise climate suitable for the proposed development can be achieved.
- 1.4 Whilst reasonable efforts have been made to produce a report that is easy to understand, it is technical in nature. To assist the reader, an introduction to noise, and an explanation of the terminology used in this report are contained in Appendix A.

2. Site Description

Existing Site Conditions

- 2.1 The Application Site presently consists of a farmers field, which is located to the west of Church Lane and to the north of Crookthorn Lane. Both of these roads were observed to be busy with queueing at the adjoining roundabout in peak traffic times. Existing residential properties are located to the north of the site.
- 2.2 The scheme will incorporate highway works to facilitate the development with a relocated roundabout on Crookthorn Lane and a new alignment of Church Lane from this roundabout until it joins the existing Church Lane layout.
- 2.3 The site entrance is proposed to be via the new alignment of Church Lane at the east of the site.
- 2.4 A site plan including the housing layout and proposed highway works is included as Figure 1. The plot numbers are shown on the HGP Site Plan (reproduced as Figure 1), Dwg: 20.050.02, Rev K dated October 2020.

3. Guidance

Local Authority Consultation

- 3.1 The Environmental Health Department of Arun District Council (ADC) was contacted prior to the noise survey by phone and email but there was no response. As this is a scheme for residential properties it is considered that the guidance in ProPG should be used for the noise assessment and the following noise criteria should apply:
- ☉ Bedrooms 30dB $L_{Aeq,8hr}$ (23:00 to 07:00 hours)
 - ☉ Living rooms 35dB $L_{Aeq,16hr}$ (07:00 to 23:00 hours)
 - ☉ All habitable rooms 45dB L_{Amax} (not to be exceeded more than ten times per night).
- 3.2 The ongoing Covid 19 restrictions at the time of the noise survey have also been considered as part of the noise assessment and would have been discussed with ADC. The guidance provided by The Association of Noise Consultants and the Institute of Acoustics in the document entitled '*Joint Guidance on the Impact of COVID-19 on the Practicality and Reliability of Baseline Sound Level Surveying and the Provision of Sound & Noise Impact Assessments, Version 4*' has been considered in the noise assessment.
- 3.3 The comments provided by ADC to the August 2021 Noise assessment Report have been addressed within this revised Report.

National Planning Policy Framework

- 3.4 The Department for Communities and Local Government published the *National Planning Policy Framework* (NPPF) on 27th March 2012 and upon its publication, the majority of planning policy statements and guidance notes were withdrawn, including Planning Policy Guidance (PPG) 24 *Planning and Noise*, which until the emergence of the NPPF, set out the Government's position on how noise should be dealt with in the planning system.
- 3.5 The NPPF was revised on 24th July 2018, with the earlier 2012 version immediately withdrawn. A further update was published on 20th July 2021.
- 3.6 The general guiding principle in the NPPF is contained in Section 15 under the heading *Conserving and enhancing the natural environment*. Paragraph 174 states:

"Planning policies and decisions should contribute to and enhance the natural and local environment by:

(e) preventing new and existing development from contributing to, being put at unacceptable risk from, or being adversely affected by, unacceptable levels of soil, air, water or noise pollution or land instability. Development should, wherever possible, help to improve local environmental conditions such as air and water quality, taking into account relevant information such as river basin management plans;"

3.7 The noise planning policy is contained in paragraph 185, which also appears in Section 15 of the NPPF:

"Planning policies and decisions should also ensure that new development is appropriate for its location taking into account the likely effects (including cumulative effects) of pollution on health, living conditions and the natural environment, as well as the potential sensitivity of the site or the wider area to impacts that could arise from the development. In doing so they should:

a) mitigate and reduce to a minimum potential adverse impacts resulting from noise from new development – and avoid noise giving rise to significant adverse impacts on health and the quality of life;

b) identify and protect tranquil areas which have remained relatively undisturbed by noise and are prized for their recreational and amenity value for this reason;"

3.8 A footnote to paragraph 185(a) refers to the Explanatory Note of the Noise Policy Statement for England (Department for Environment, Food & Rural Affairs, 2010), which defines both "significant adverse impacts on health and quality of life" and "adverse impacts on health and quality of life".

Noise Policy Statement for England

3.9 The Department for Environment, Food and Rural Affairs published the *Noise Policy Statement for England* (NPSE) in March 2010. The explanatory note of the NPSE defines the terms used in the NPPF:

"2.20 There are two established concepts from toxicology that are currently being applied to noise impacts, for example, by the World Health Organisation. They are:

NOEL – No Observed Effect Level

This is the level below which no effect can be detected. In simple terms, below this level, there is no detectable effect on health and quality of life due to the noise.

LOAEL – Lowest Observed Adverse Effect Level

This is the level above which adverse effects on health and quality of life can be detected.

2.21 *Extending these concepts for the purpose of this NPSE leads to the concept of a significant observed adverse effect level.*

SOAEL – Significant Observed Adverse Effect Level

This is the level above which significant adverse effects on health and quality of life occur.”

3.10 The NPSE does not define the SOAEL numerically, stating at paragraph 2.22:

“2.22 It is not possible to have a single objective noise-based measure that defines SOAEL that is applicable to all sources of noise in all situations. Consequently, the SOAEL is likely to be different for different noise sources, for different receptors and at different times. It is acknowledged that further research is required to increase our understanding of what may constitute a significant adverse impact on health and quality of life from noise. However, not having specific SOAEL values in the NPSE provides the necessary policy flexibility until further evidence and suitable guidance is available.”

3.11 There is no local or national guidance on how the three terms should be defined numerically.

3.12 There are three aims in the NPSE, two of which expand upon the first bullet point in paragraph 180 of the NPPF:

“The first aim of the Noise Policy Statement for England

Avoid significant adverse impacts on health and quality of life from environmental, neighbour and neighbourhood noise within the context of Government policy on sustainable development.

2.23 *The first aim of the NPSE states that significant adverse effects on health and quality of life should be avoided while also taking into account the guiding principles of sustainable development (paragraph 1.8).*

The second aim of the Noise Policy Statement for England

Mitigate and minimise adverse impacts on health and quality of life from environmental, neighbour and neighbourhood noise within the context of Government policy on sustainable development.

2.24 The second aim of the NPSE refers to the situation where the impact lies somewhere between LOAEL and SOAEL. It requires that all reasonable steps should be taken to mitigate and minimise adverse effects on health and quality of life while also taking into account the guiding principles of sustainable development (paragraph 1.8). This does not mean that such adverse effects cannot occur.

The third aim of the Noise Policy Statement for England

Where possible, contribute to the improvement of health and quality of life through the effective management and control of environmental, neighbour and neighbourhood noise within the context of Government policy on sustainable development.

2.25 This aim seeks, where possible, positively to improve health and quality of life through the pro-active management of noise while also taking into account the guiding principles of sustainable development (paragraph 1.8), recognising that there will be opportunities for such measures to be taken and that they will deliver potential benefits to society. The protection of quiet places and quiet times as well as the enhancement of the acoustic environment will assist with delivering this aim."

Planning Practice Guidance

3.13 In March 2014, the Government released Planning Practice Guidance (PPG) on noise, entitled 'Noise'. This document sets out a number of principles in the form of questions and answers, and reinforces the guidance set out in the NPPF and the NPSE. The noise PPG was last updated in December 2014.

3.14 The noise PPG notes that:

"Noise needs to be considered when new development may create additional noise and when new developments would be sensitive to the prevailing acoustic environment."

3.15 It goes on to note that:

"Local planning authorities' plan-making and decision taking should take account of the acoustic environment and in doing so consider:

- ☛ whether or not a significant adverse effect is occurring or likely to occur;*
- ☛ whether or not an adverse effect is occurring or likely to occur; and*
- ☛ whether or not a good standard of amenity can be achieved."*

- 3.16 The noise PPG broadly repeats the NPSE definitions of the NOEL, LOAEL and SOAEL and it provides a summary table to explain how the terms relate to each other and to typical human reactions to sound. The table is replicated below in Table 3.1.

Table 3.1 Planning Practice Guidance summary of noise exposure hierarchy

Perception	Examples of Outcomes	Increasing Effect Level	Action
Not noticeable	No effect	No observed effect	No specific measures required
Noticeable and not intrusive	Noise can be heard, but does not cause any change in behaviour or attitude. Can slightly affect the acoustic character of the area but not such that there is a perceived change in the quality of life.	No observed adverse effect	No specific measures required
		Lowest observed adverse effect level	
Noticeable and intrusive	Noise can be heard and causes small changes in behaviour and/or attitude, e.g. turning up volume of television; speaking more loudly; where there is no alternative ventilation, having to close windows for some of the time because of the noise. Potential for some reported sleep disturbance. Affects the acoustic character of the area such that there is a perceived change in the quality of life.	Observed adverse effect	Mitigate and reduce to a minimum
		Significant observed adverse effect level	
Noticeable and disruptive	The noise causes a material change in behaviour and/or attitude, e.g. avoiding certain activities during periods of intrusion; where there is no alternative ventilation, having to keep the windows closed most of the time because of the noise. Potential for sleep disturbance resulting in difficulty in getting back to sleep, premature awakening and difficulty in getting back to sleep. Quality of life diminished due to change in acoustic character of the area.	Significant observed adverse effect	Avoid
Noticeable and very disruptive	Extensive and regular changes in behaviour and/or an inability to	Unacceptable adverse effect	Prevent

Perception	Examples of Outcomes	Increasing Effect Level	Action
	mitigate effect of noise leading to psychological stress or physiological effects, e.g. regular sleep deprivation/awakening; loss of appetite, significant, medically definable harm, e.g. auditory and non-auditory		

3.17 It is noted that the text in paragraph 005 of the PPG for noise reiterates the point illustrated in Table 3.1, that there are degrees of adverse effect above the SOAEL. Table 3.1 defines two degrees of significant adverse effect: a significant observed adverse effect, which is deemed noticeable and disruptive, and an unacceptable adverse effect, which is deemed noticeable and very disruptive.

3.18 The distinction between these two degrees of significant adverse effect is expanded upon in the text in paragraph 005 of the PPG for noise:

"005 Increasing noise exposure will at some point cause the significant observed adverse effect level boundary to be crossed. Above this level the noise causes a material change in behaviour such as keeping windows closed for most of the time or avoiding certain activities during periods when the noise is present. If the exposure is above this level the planning process should be used to avoid this effect occurring, by use of appropriate mitigation such as by altering the design and layout. Such decisions must be made taking account of the economic and social benefit of the activity causing the noise, but it is undesirable for such exposure to be caused.

At the highest extreme, noise exposure would cause extensive and sustained changes in behaviour without an ability to mitigate the effect of noise. The impacts on health and quality of life are such that regardless of the benefits of the activity causing the noise, this situation should be prevented from occurring."

3.19 The PPG, which is the most recent manifestation of Government advice on how noise should be treated within the planning system, as opposed to a policy position as stated in the more recent NPPF, is clear that a significant adverse effect, which lies above the SOAEL but below an unacceptable adverse effect, can be addressed (or 'avoided' in the terms of the PPG) through the provision of mitigation, including noise insulation; it is not until an unacceptable adverse effect is reached that the cause of the effect should be prevented.

3.20 The noise PPG provides advice on how to mitigate the effects of noise, noting that there are options to reduce noise at source, to optimise site layouts, to use planning conditions, and provide insulation within affected properties.

3.21 The noise PPG also notes that:

"The noise impact may be partially offset if the residents of those dwellings have access to:

- a relatively quiet façade (containing windows to habitable rooms) as part of their dwelling, and/or*
- a relatively quiet external amenity space for their sole use, (e.g. a garden or balcony). Although the existence of a garden or balcony is generally desirable, the intended benefits will be reduced with increasing noise exposure and could be such that significant adverse effects occur, and/or*
- a relatively quiet, protected, nearby external amenity space for sole use by a limited group of residents as part of the amenity of their dwellings, and/or*
- a relatively quiet, protected, external publically accessible amenity space (e.g. a public park or a local green space designated because of its tranquillity) that is nearby (e.g. within a 5 minutes walking distance)."*

ProPG

3.22 *Professional Practice Guidance on Planning and Noise* (ProPG) was released in May 2017. A joint publication by the Chartered Institute of Environmental Health, the Institute of Acoustics, and the Association of Noise Consultants, the document sets out a recommended approach for the management of noise within the planning system in England.

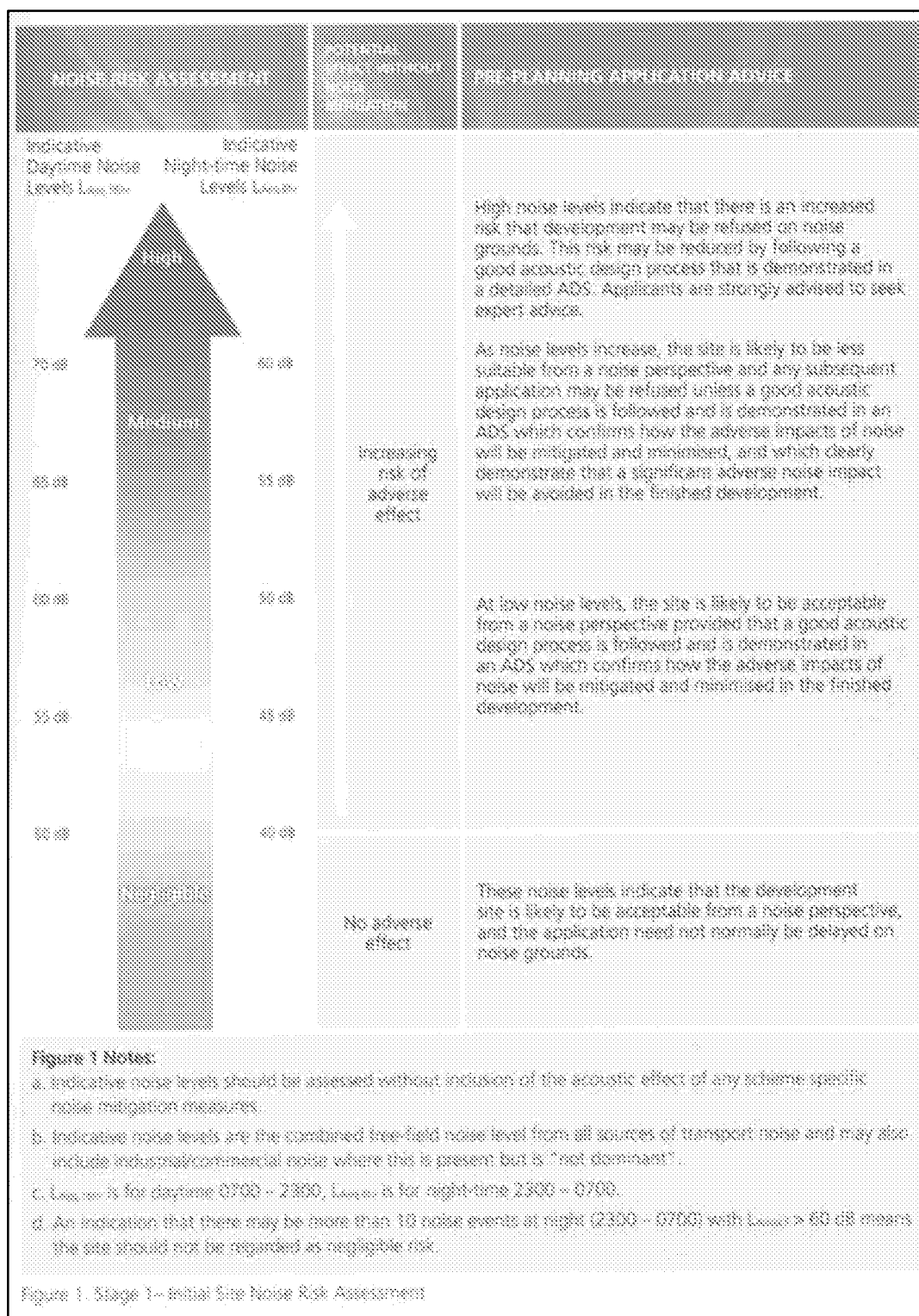
3.23 ProPG sets out a two-stage risk based approach for new residential development:

- **Stage 1:** initial noise risk assessment of the proposed development;
- **Stage 2:** a systematic consideration of four key elements:
 - Element 1: demonstrating a 'Good Acoustic Design Process';
 - Element 2: observing internal 'Noise Level Guidelines';
 - Element 3: undertaking an 'External Amenity Area Noise Assessment'; and
 - Element 4: consideration of 'Other Relevant Issues'.

3.24 The Stage 1 initial noise risk assessment should provide an indication of the likely risk of adverse effects from noise should no mitigation be included as part of the development proposals.

- 3.25 ProPG provides an illustrative noise risk scale, derived from current guidelines values and experience. The scale suggests that the risks are negligible where noise levels are below 50dB L_{Aeq} during the daytime and 40dB L_{Aeq} during the night-time. The scale suggests that a site would start to tend from a medium to a high risk when noise levels are above approximately 70dB L_{Aeq} during the daytime and above approximately 60dB L_{Aeq} during the night-time. Between these values, the level of risk increases through low to medium as noise levels increase. These values are all stated as indicative in the ProPG.
- 3.26 The ProPG states that this initial noise risk assessment is intended to support wider Government planning and noise policies and guidance, i.e. the NPPF, NPSE and PPG-Noise.
- 3.27 Figure 1 of the ProPG, which is replicated here as Figure 2, presents the risk hierarchy, with indicative noise levels that broadly equate to the different risk categories.

Figure 2: ProPG Stage 1 Risk Assessment



3.28 The Stage 2 full assessment should consider good acoustic design, internal noise levels, external amenity area noise levels, and assessment of any other issues.

- 3.29 The ProPG states that good acoustic design should consider factors such as reducing noise at source, site layouts, and building orientation. Solely relying on the sound insulation of building fabric to achieve acceptable acoustic conditions is not considered good acoustic design. Noise control measures should be considered against other requirements, such as ventilation, fire regulation and cost.
- 3.30 The ProPG refers to the criteria set out in BS8233: 2014 and the World Health Organisation's *Guidelines for Community Noise* for internal noise levels and noise levels in external amenity areas. The ProPG notes that internal noise levels should always be considered alongside requirements for ventilation and overheating. Note 5 under Figure 2 in the ProPG, which sets out the internal noise level guidelines replicated from BS8233: 2014 and the WHO guidelines, states:

"Designing the site layout and the dwellings so that the internal target levels can be achieved with open windows in as many properties as possible demonstrates good acoustic design. Where it is not possible to meet internal target levels with windows open, internal noise levels can be assessed with windows closed, however any façade openings used to provide whole dwelling ventilation (e.g. trickle ventilators) should be assessed in the "open" position and, in this scenario, the internal LAeq target levels should not normally be exceeded, subject to the further advice in Note 7."

- 3.31 It is clear that the internal noise guidelines should be met for 'whole dwelling ventilation' conditions, which are effectively background ventilation. 'Whole dwelling ventilation' is defined in Approved Document F of the Building Regulations 2010.

- 3.32 Note 7 under Figure 2 of the ProPG states:

"Where development is considered necessary or desirable, despite external noise levels above WHO guidelines, the internal LAeq target levels may be relaxed by up to 5 dB and reasonable internal conditions still achieved."

- 3.33 The ProPG allows for the relaxation of the internal guideline noise levels by up to 5dB and the internal noise levels would still be regarded as reasonable.
- 3.34 For 'purge ventilation' conditions, the ProPG does not specify internal noise criteria, stating at paragraph 2.35:

"It should also be noted that the internal noise level guidelines are generally not applicable under "purge ventilation" conditions as defined by Building Regulations Approved Document F, as this should only occur occasionally (e.g. to remove odour from painting and decorating or from burnt food)."

- 3.35 For thermal control, i.e. overheating conditions, ProPG states that the potential noise levels should be assessed, stating at paragraph 2.38:

"Where mechanical services are used as part of the ventilation or thermal comfort strategy for the scheme, the impact of noise generated by these systems on occupants should also be assessed."

- 3.36 The ProPG goes on to state in paragraph 2.72(h):

"Reasonable steps should be taken to minimise overheating during summer months through good design. Where openable windows / ventilators are proposed to mitigate overheating and where the internal noise level guidelines are likely to be exceeded when they are open a more detailed assessment of the potential impact on occupants during the overheating condition should be provided in the ADS. This more detailed assessment may include: (i) the alternative design measures considered / applied to reduce noise impact on occupants, (ii) the expected internal noise levels when windows / ventilators are opened to provide relief from overheating, and (iii) an estimate of the amount of time that windows are likely to be open to provide relief from overheating."

- 3.37 Consideration of overheating issues is outside the scope of this noise assessment. However, it is clear that while the ProPG does require internal noise levels to be considered under thermal control conditions, no internal noise criteria are applied.
- 3.38 The ProPG states that other relevant issues include compliance with relevant national and local policies, magnitude of compliance with the ProPG itself, the likely occupants of the development, acoustic design against unintended adverse consequences and acoustic design against wider planning objectives.

British Standard 8233

- 3.39 The scope of British Standard (BS) 8233: 2014 *Guidance on sound insulation and noise reduction for buildings* is the provision of recommendations for the control of noise in and around buildings. It suggests appropriate criteria and limits for different situations, which are primarily intended to guide the design of new or refurbished buildings undergoing a change of use rather than to assess the effect of changes in the external noise climate.
- 3.40 BS8233: 2014 suggests suitable internal noise levels within different types of buildings, including residential dwellings, as shown in Table 3.2.

Table 3.2: BS8233 recommended internal noise levels, dB

Activity	Location	07:00 to 23:00	23:00 to 07:00
Resting	Living room	35dB LAeq,16hour	-
Dining	Dining room/area	40dB LAeq,16hour	-
Sleeping (daytime resting)	Bedroom	35dB LAeq,16hour	30dB LAeq,8hour

- 3.41 BS8233 contains the following relevant guidance in footnotes to the above information:

Note 4: Regular individual noise events (for example, scheduled aircraft or passing trains) can cause sleep disturbance. A guideline value may be set in terms of SEL or LAmax,F, depending on the character and number of events per night. Sporadic noise events could require separate values.

Note 5: If relying on closed windows to meet the guide values, there needs to be an appropriate alternative ventilation that does not compromise the façade insulation or the resulting noise level.

Note 7: Where development is considered necessary or desirable, despite external noise levels above WHO guidelines, the internal target levels may be relaxed by up to 5 dB and reasonable internal conditions still achieved."

- 3.42 Although Note 4 above refers to setting a guideline value for maximum noise levels, BS8233: 2014 does not provide any guidance on a suitable criterion.
- 3.43 Placing the BS8233: 2014 guidance into the context required by the NPPF and the NPSE, it is considered that where the internal noise levels meet the guideline values set out in Table 3.2, there is considered to be no observed effect.
- 3.44 Since BS8233: 2014 allows for a 5dB relaxation in the guideline values in Table 3.2 (Note 7 above), it is considered that internal noise levels up to 5dB above the guideline values in Table 3.2 may still be acceptable.

- 3.45 BS8233: 2014 states that for traditional external areas that are used for amenity space, such as gardens and patios, it is desirable that the external noise level does not exceed 50 dB $L_{Aeq,T}$, with an upper guideline value of 55 dB $L_{Aeq,T}$ which would be acceptable in noisier environments. However, it is also recognized that these guideline values are not achievable in all circumstances where development might be desirable. In higher noise areas, such as city centres or urban areas adjoining the strategic transport network, a compromise between elevated noise levels and other factors, such as the convenience of living in these locations or making efficient use of land resources to ensure development needs can be met, might be warranted. In such a situation, development should be designed to achieve the lowest practicable levels in these external amenity spaces, but should not be prohibited.

World Health Organisation

- 3.46 The World Health Organisation (WHO) *Guidelines for Community Noise* (1999) also sets out guidance on suitable internal and external noise levels in and around residential properties. The guidance on internal and external noise levels is the same as set out in BS8233: 2014 in terms of L_{Aeq} values, but the WHO guidelines also provide guidance on night-time maximum noise levels, stating:

"For a good sleep, it is believed that indoor sound pressure levels should not exceed approximately 45 dB L_{AFmax} more than 10-15 times per night."

- 3.47 The WHO guidelines suggest the possibility of sleep disturbance if continuous noise in bedrooms exceeds 30dB $L_{Aeq,8hrs}$ during the night-time, and therefore internal noise levels above this value can be considered to be above the LOAEL. This internal value can be translated to an external value by the addition of 10dB, to account for the typical reduction through an open window. Therefore, external night-time noise levels of 40dB $L_{Aeq,8hrs}$ can be defined as the LOAEL.
- 3.48 The WHO published their *Night Noise Guidelines for Europe* in 2009. This document sets an external 'night noise guideline' (NNG) of 40dB. This is consistent with the LOAEL value determined above. The NNG also sets an interim target of 55dB in situation where the 40dB value cannot be met. Above 55dB the NNG notes that the situation is considered increasingly dangerous for public health. On the basis of the above, a free-field external value of 55dB $L_{Aeq,8hrs}$ is considered to be the night-time SOAEL.

Noise Insulation Regulations

- 3.49 The Noise Insulation Regulations 1975 (as amended 1988) set out conditions, which if satisfied, require the promoter of a new road to offer affected residents sound insulation or a grant in respect of sound insulation.

- 3.50 Although legislation framed with reference to new roads is not directly relevant to the proposed development considered here, the noise levels at which sound insulation must be offered provide an indication of what constitutes a significant level of noise from these sources; these values may be used to define the level at which significant adverse effects occur, i.e. the SOAEL.
- 3.51 The Noise Insulation Regulations indicate that sound insulation should be offered when, inter alia, road traffic noise exceeds a façade noise level of 68dB $L_{A10,18hrs}$. This value can be converted to a 16 hour L_{Aeq} to match the form of the guidance recommended in BS8233 by subtracting 5dB. This correction includes a -3dB correction to remove the façade correction, a further -3dB correction to convert the 18 hour L_{A10} noise level to an 18 hour L_{Aeq} noise level, and a +1dB correction to convert the 18 hour L_{Aeq} to a 16 hour L_{Aeq} . The resulting value of 63dB $L_{Aeq,16hrs}$ is considered to be the daytime SOAEL.
- 3.52 Since noise levels of 63dB $L_{Aeq,16hrs}$ can be controlled through the provision of appropriate ventilation, as required by the Noise Insulation Regulations, it is reasonable to suggest that the point at which an unacceptable adverse effect occurs is higher than this value.
- 3.53 The sound insulation package specified in the Noise Insulation Regulations is known to give a sound reduction of approximately 35dB. At external noise levels in excess of 70dB at night the internal noise levels will exceed the reasonable criterion in BS8233 of 35dB. A noise level 1dB below this value is therefore taken to be the upper limit of acceptability for residential properties at night.
- 3.54 This 69dB $L_{Aeq,8hrs}$ limit has been converted to a free-field value of 66dB to be consistent with the free-field values used elsewhere in this report.
- 3.55 On this basis, and in the absence of any local definition, the point at which night-time noise levels result in an unacceptable adverse effect is considered to be 66dB $L_{Aeq,8hrs}$.

BRE Research Paper

- 3.56 A Building Research Establishment (BRE) survey titled *The effectiveness and acceptability of measures for insulating dwellings against traffic noise* (Utley W et al, Journal of Sound and Vibration (1986) Vol 109(1), pages 1-18) found that the insulation package supplied under the Noise Insulation Regulations is inadequate for road traffic noise levels of 78dB $L_{A10,18hrs}$ and above at a façade.
- 3.57 This figure is equivalent to a free-field level of 75dB $L_{A10,18hrs}$; which in turn is equivalent to 73dB $L_{Aeq,16hrs}$. If mitigation specified under the Noise Insulation Regulations becomes ineffectual at 73dB $L_{Aeq,16hrs}$, it can be concluded that 72dB $L_{Aeq,16hrs}$ is the highest noise level at which the mitigation remains effective.

3.58 On this basis, and in the absence of any local definition, the point at which daytime noise levels result in an unacceptable adverse effect is considered to be 72dB L_{Aeq,16hrs}.

Summary

3.59 The suitability of the site has been assessed in the following ways:

- ☛ Determining the external noise levels across the site, to compare with the LOAEL and SOAEL, as defined above. For clarity, the LOAEL and SOAEL adopted for this site are shown in Table 3.3; and
- ☛ Calculating the sound reduction performances required of the external building fabric, particularly the glazing units, so that suitable internal noise levels are achieved;

Table 3.3: LOAEL and SOAEL for this site

Effect	Daytime L _{Aeq,16hrs} (dB)	Night-time L _{Aeq,8hrs} (dB)	Comments
No Observed Effect	<50	<40	The parts of the site that have noise levels below these values are considered acceptable for residential development without the need for further mitigation
LOAEL	50	40	
Observed Adverse Effect	50-55	40-45	Although the parts of the site that have noise levels between these values are above the LOAEL, BS8233 suggests that they would be acceptable.
	55-63	45-55	The parts of the site that have noise levels between these values are above the LOAEL, and are considered acceptable for residential development, although mitigation may be required.
SOAEL	63	55	
Significant Observed Adverse Effect	63-72	55-66	The parts of the site that have noise levels between these values are above the SOAEL but below the point at which an unacceptable adverse effect occurs. Planning policy states that Significant Adverse Effects should be avoided and the Noise PPG states that the planning

Effect	Daytime $L_{Aeq,16hrs}$ (dB)	Night-time $L_{Aeq,8hrs}$ (dB)	Comments
			process should be used to do this by use of appropriate mitigation.
Unacceptable Adverse Effect	>72	>66	The noise PPG states that this situation should be prevented; however, no indication is given of how to do this.

Notes:

(1): Below these ranges adverse comment is not expected.

(2): Above these ranges adverse comment is very likely.

3.60 It is considered that the above values can also be related to the levels of risk described in the ProPG:

- ☉ noise levels below the LOAEL, i.e. below 50dB $L_{Aeq,16hrs}$ during the daytime and below 40dB $L_{Aeq,8hrs}$ during the night-time, are considered to be a negligible risk;
- ☉ noise levels above the LOAEL but below the SOAEL, i.e. between 50dB $L_{Aeq,16hrs}$ and 63dB $L_{Aeq,16hrs}$ during the daytime and between 40dB $L_{Aeq,8hrs}$ and 55dB $L_{Aeq,8hrs}$ during the night-time, are considered to range from a low to medium risk;
- ☉ noise levels above 63dB $L_{Aeq,16hrs}$ i.e. the SOAEL, but below 72dB $L_{Aeq,16hrs}$ during the daytime, and above 55dB $L_{Aeq,8hrs}$, i.e. the SOAEL, but below 66dB $L_{Aeq,8hrs}$ during the night-time, are considered to range from a medium to high risk; and
- ☉ noise levels that result in an unacceptable adverse effect, i.e. above 72dB $L_{Aeq,16hrs}$ during the daytime and above 66dB $L_{Aeq,8hrs}$ during the night-time, are considered to be a high risk.

3.61 The lower and upper ends of these ranges, representing negligible and high risks respectively, accord with the advice set out the ProPG.

4. Environmental Surveys

- 4.1 A noise survey was undertaken to establish typical sound levels at the site. The measurements were taken over a 24 hour period from 15:15 hours on Tuesday 3rd November 2020 to provide the day and night-time noise levels at the site.
- 4.2 The survey methods and results are set out below.

Sound Survey Method

- 4.3 The equipment used during the survey is summarised in Appendix B. The sound level meter was field-calibrated immediately before and after the measurements using the listed acoustic calibrator. No significant calibration drifts were found to have occurred.
- 4.4 The sound level meters had been laboratory-calibrated to a traceable standard within the two years preceding the survey. The acoustic calibrator had been laboratory-calibrated to a traceable standard within the year preceding the survey.
- 4.5 Measurements were carried out at three locations, as shown in Figure 3 and described as follows:
- ☉ Position 1 The microphone was located in a free-field location 30m from Horsemere Green Lane. The mic was 1.5m above the ground.
 - ☉ Position 2 The microphone was located in a free-field location 5m from the nearside kerb of Church Lane. The mic was 1.5m above the ground.
 - ☉ Position 3 The microphone was located in a free-field location 40m from the nearside kerb of Crookthorn Lane. The mic was 1.5m above the ground.

Sound Survey Results

- 4.6 The weather during the survey was suitable for noise measurement, it being dry with wind speeds of less than 5m/s.
- 4.7 The dominant sound source at Position 1 was from occasional cars on Horsemere Green Lane. Other observed noise sources included distant road traffic and occasional farmer activity (spraying).
- 4.8 At position 2 the dominant noise source was road traffic on Church Lane. Other observed noise sources included distant road traffic and occasional farmer activity (spraying).

- 4.9 At position 3 the dominant noise source was road traffic on Crookthorn Lane. Other observed noise sources included occasional farmer activity (spraying).
- 4.10 The sound survey results are summarised in Table 4.1 for Positions 1, 2 and 3, aggregated across the daytime and night-time periods. Full survey results are set out graphically in Appendix C.

Table 4.1 Summary of measured sound levels, façade dB

Measurement Location	Date	Period	Duration, T	$L_{Aeq,T}$	L_{Amax}	$L_{A90,T}$	$L_{A10,T}$
1	3/4 Nov 20	Day	16 hours	51.5	63.4	52.3	46.2
		Night	8 hours	43.4	54.9	44.3	37.9
2	3/4 Nov 20	Day	16 hours	67.6	82.5	70.3	52.8
		Night	8 hours	60.6	78.9	53.5	40.6
3	3/4 Nov 20	Day	16 hours	64.0	72.6	66.4	57.1
		Night	8 hours	57.9	70.3	59.1	39.7

Note: ⁽¹⁾ – The $L_{A90,T}$, L_{Amax} and $L_{A10,T}$ and values are the arithmetic means of the $L_{A90,T}$, L_{Amax} and $L_{A10,T}$ measurements for each period.

- 4.11 The Joint Guidance on the Impact of COVID-19 on the Practicality and Reliability of Baseline Sound Level Surveying and the Provision of Sound & Noise Impact Assessments, Version 4' indicates the need to source flow/activity data for transportation activity. The Department of Transport have provided daily figures for transport movements in Great Britain during the Covid 19 restrictions. The noise survey was undertaken prior to the 5th November 2020 Covid 19 lockdown and the Department of Transport traffic data indicates that on 3rd November there was 92% of traffic compared to the equivalent day in the first week of February 2020 and on 4th November there was 96%. Assuming that this traffic data can be applied locally in Climping then a small correction to the measured noise levels is required to account for the lower traffic. Based on site observations, which indicated that road traffic is the dominant noise source the acoustic correction on these days is between 0.2 to 0.4 dB.
- 4.12 The following free field noise levels, which have been corrected by adding 0.3 dB to account for slightly reduced traffic flows, have been used in the noise assessment:
- ☛ Daytime Noise Level – Position 1 $L_{Aeq,16\text{ hr}}$ 52 dB, Position 2 $L_{Aeq,16\text{ hr}}$ 68 dB, Position 3 $L_{Aeq,16\text{ hr}}$ 64 dB
 - ☛ Night-time noise level – Position 1 $L_{Aeq,8\text{ hr}}$ 44 dB, Position 2 $L_{Aeq,8\text{ hr}}$ 61 dB, Position 3 $L_{Aeq,8\text{ hr}}$ 58 dB
 - ☛ 10th highest maximum noise level at night – Position 1 $L_{Amax,f}$ 57 dB, Position 2 $L_{Amax,f}$ 81 dB, Position 3 $L_{Amax,f}$ 71 dB (derived from the measured night-time noise levels shown in Appendix C)

5. Assessment

Noise Risk Assessment (ProPG)

- 5.1 The measured noise level have been adjusted to represent the noise levels at the nearest proposed properties at positions 1 to 3 and considered against the guidance provided in ProPG.
- 5.2 The corrected daytime values of 52 dB $L_{Aeq,16hr}$ and 44 dB L_{Aeq8hr} at Position 1 are representative of the noise levels at properties located on the northern boundary of the site and are above the LOAEL but below the SOAEL. BS8233 suggests that these noise levels would be acceptable for residential development.
- 5.3 The daytime values of 68 dB $L_{Aeq,16hr}$ and 61 dB L_{Aeq8hr} at Position 2 were measured 5m from Church Lane. As the nearest residential properties to the realigned Church Lane are 24m from the road a 7 dB correction has been applied, assuming the road acts as a line source, to take this additional distance correction into account, which provides free-field noise levels of 61 dB $L_{Aeq,16hr}$ in the daytime and 54 dB L_{Aeq8hr} at night. These corrected values are above the LOAEL but below the SOAEL and are considered acceptable for residential development, although mitigation may be required.
- 5.4 The corrected daytime values of 64 dB $L_{Aeq,16hr}$ and 58 dB L_{Aeq8hr} at Position 3 are representative of the noise levels at 40m from Crookthorn Lane. The layout indicates that the nearest residential elevations to Crookthorn Lane are 55m from the road and a 1 dB correction has been applied, assuming the road acts as a line source, to take this additional distance correction into account, which provides free-field noise levels of 63 dB $L_{Aeq,16hr}$ in the daytime and 57 dB L_{Aeq8hr} at night. The residential dwellings located on the southern boundary of the site are at SOAEL in the daytime and just above at night. Planning policy states that significant adverse effects should be avoided and the Noise PPG states that the planning process should be used to do this by use of appropriate mitigation .
- 5.5 In terms of the level of noise risk, as described in the ProPG, it is considered that the site is in the range of low to high risk (on the southern boundary).
- 5.6 The site is considered acceptable for residential use, subject to the incorporation of suitable mitigation, which is considered in the next section of this report.

Noise Modelling

- 5.7 To enable the noise to be assessed at each plot as requested by the Local Authority, modelling has been undertaken using a computerised noise model 'IMMI2021'. The model is based on traffic data for the Year 2037, which represent the traffic flows 15 years after the proposed year of opening and was provided by the projects traffic consultants. IMMI2021 utilises the methodology outlined in the 'Calculation of Road Traffic Noise' (CRTN 1988) which describes a detailed procedure to calculate sound levels from road traffic sources. IMMI2021 also considers other pertinent site data such as the topography, existing or natural acoustical screens such as mounds/buildings etc to produce noise contours across the site.
- 5.8 The predicted daytime noise contours are shown in Figure 4 and the night-time contours in Figure 5.
- 5.9 The day and night-time noise contours indicate that sound insulation measures will be required to reduce internal noise to within the targets provided by both ProPG and BS8233:2014. Furthermore, the noise levels in some of the amenity areas are above the upper guideline value of 55 dB $L_{Aeq,T}$, as provided by BS8233:2014.
- 5.10 Appropriate noise mitigation measures to reduce both the internal and amenity area noise are discussed in section 6 of this report.
- 5.11 The additional traffic generated by the 300 dwellings at the development will provide a small increase in road traffic on Church Lane, where the development is accessed and on Crookthorn Lane. However, the increase in traffic is negligible when compared to the existing traffic flows on these roads and the associated noise increase at existing properties on these roads will also be negligible.

Conditions

- 5.12 The Environmental Health Team at ADC have requested that the following conditions are considered in the noise report:
- ☛ Condition 4 – development hereby permitted shall not exceed 300 dwellings and shall be carried out in general accordance with plans [...] Acoustic Barriers/Noise Bund P14 4899 03.
 - ☛ Condition 17 – no development shall take place until details of an acoustic barrier as shown on the plan with associated tree and shrub planting has been submitted to and approved in writing by the LPA.
 - ☛ Condition 18 – the dwellings along the southern and eastern boundaries adjacent to the acoustic barrier shall not be occupied until post validation testing has been undertaken [...].

- 5.13 The site layout plan, subject to this reserved matters application has been revised and includes changes to the layout including along the southern and eastern boundaries. The noise mitigation strategy has evolved to address the new site layout as the permitted scheme is no longer appropriate. A bund parallel with Crookthorn Lane was proposed to reduce the noise in gardens but the revised site layout has the gardens on the far side of the buildings such that the gardens are partially shielded from the traffic noise. As the dwellings consist mainly of semi detached and terraced housing, the gaps in between buildings will be filled by 1.8m high acoustic barriers. Details of these barriers (heights, location and specification to meet conditions 4 and 17) and additional noise modelling that incorporates these barriers is discussed in Section 6.
- 5.14 As required by Condition 18, post validation testing will be undertaken at dwellings along the southern and eastern boundaries to show that both the external and internal noise targets provided by BS8233:2014 are achieved.

6. Mitigation

- 6.1 The measured noise levels at the site vary from just above the LOAEL to just above the SOAEL, so the inclusion of mitigation measures should meet the requirements of the NPPF, NPSE and noise PPG.
- 6.2 Consideration has been given to the specification of building materials to control internal noise levels, so that they achieve the following criteria:
- ☉ Bedrooms 30dB $L_{Aeq,8hr}$ (23:00 to 07:00 hours)
 - ☉ Living rooms 35dB $L_{Aeq,16hr}$ (07:00 to 23:00 hours)
 - ☉ All habitable rooms 45dB L_{Amax} (not to be exceeded more than ten times per night).
- 6.3 To reduce the noise levels in all gardens to meet the upper value 55 dB $L_{Aeq,T}$ provided by BS8233:2014 a scheme of noise barriers has been included in the model. The barriers consist of:
- ☉ For residential properties overlooking Crookthorn Lane a standard height 1.8m noise barrier has been included where there are gaps between the properties to protect the rear gardens.
 - ☉ No additional barriers are required for properties overlooking the B2233 to the west and the realigned Church Lane to the east of the site.
 - ☉ A 2.5m high noise barrier is required around the perimeter of plots 23, 24 & 25 to reduce the noise in these gardens to $L_{Aeq,16 hr}$ 55 dB.
- 6.4 The noise contours with these noise mitigation measures are shown in Figure 6 for the daytime and in Figure 7 at night. The predicted façade noise levels at each plot along with the sound insulation requirements and whether ventilation is required are shown in Appendix D.
- 6.5 The noise model indicates that the highest predicted façade noise levels at dwellings facing Crookthorn Lane are at Plots 49 to 52 with $L_{Aeq,16 hr}$ 67 dB in the daytime and $L_{Aeq,8 hr}$ 52 dB at night. The highest predicted noise levels at dwellings facing Church Lane are at Plot 262 with $L_{Aeq,16 hr}$ 64 dB in the daytime and $L_{Aeq,8 hr}$ 46 dB at night. The highest predicted noise levels at dwellings overlooking the roundabout between Crookthorn Lane and Church Lane are at Plot 23 with $L_{Aeq,16 hr}$ 67 dB in the daytime and $L_{Aeq,8 hr}$ 42 dB at night. All of the highest noise levels are predicted at 1st floor level. The required sound insulation measured for these plots are shown in Table 6.1.
- 6.6 Based on the measured noise data the predicted 10th highest façade maximum noise events at night are predicted to be $L_{Amax,f}$ 71 dB at plots overlooking Crookthorn Land and $L_{Amax,f}$ 70 dB at plots overlooking Church Lane. These predictions assume that the maximum noise event is a point source.

- 6.7 The calculated sound reduction performance requirements apply to the whole external building fabric. However, since windows are typically the weakest link in the external building fabric, in terms of acoustic performance, the values below will particularly apply to the windows.
- 6.8 The façade noise levels (corrected from the free-field by adding 3 dB) and the sound reduction performances required of the external building fabric are shown in Table 6.1.

Table 6.1: Required sound reduction performances, dB

Location	Period	Target Noise Level	Facade Noise Level	Required Sound Reduction Performance
Plot 49-52, 1 st floor Crookthorn Lane	Day	35dB LAeq,16hrs	67	32
	Night	30dB LAeq,8hrs	52	22
	Night	45dB LAFmax	71	26
Plot 262, 1 st Floor Church lane	Day	35dB LAeq,16hrs	64	29
	Night	30dB LAeq,8hrs	46	26
	Night	45dB LAFmax	70	25
Plot 23, 1 st Floor Overlooking roundabout	Day	35dB LAeq,16hrs	67	32
	Night	30dB LAeq,8hrs	52	22
	Night	45dB LAFmax	71	26

- 6.9 Windows do not reduce noise equally across the entire frequency spectrum, so the frequency content of the sound will influence the overall sound reduction performance of a given window, and by extension, the resulting noise levels within the property.
- 6.10 However, many glazing manufacturers test their products under laboratory conditions using a typical road traffic noise frequency spectrum source. The resultant measured noise attenuation, in dB, gives a very useful guide to in-situ sound reduction performance of the window for situations where road traffic noise dominates, known as the R_{TRA} .
- 6.11 It can be seen from Table 6.1 that at dwellings overlooking Crookthorn Lane and the roundabout between Crookthorn Lane and Church Lane a sound reduction performance of up to R_w 26dB (for L_{Amax}) and R_{TRA} 32 dB is required to achieve all of the criteria.
- 6.12 An example of a glazing unit that should be capable of achieving a sound reduction performance requirement of 32dB R_{TRA} is 10mm/6-16mm/6mm construction. This glazing provides 32 dB R_{TRA} and 35 dB R_w .

- 6.13 At the nearest proposed dwellings overlooking Church Lane a sound reduction performance of up to R_w 25dB (for L_{Amax}) and R_{TRA} 29 dB would be required to achieve all of the criteria. An example of a glazing unit for the elevation overlooking Church Lane that should be capable of achieving a sound reduction performance requirement of 29dB R_{TRA} is 10mm/6-16mm/4mm construction. This glazing provides 30 dB R_{TRA} and 35 dB R_w .
- 6.14 The examples shown above provide examples of the highest required glazing specifications for the elevations overlooking the Crookthorn Lane and Church Lane. The predicted noise levels and corresponding sound insulation requirements for each elevation on each individual plot, as requested by ADC are shown in Appendix D.
- 6.15 It is noted that the sound reduction performances stated as achievable by the identified glazing units are based on laboratory tests. In practice, the actual on-site performance may be lower, depending on the quality of the fitting. The sound reduction performances in Table 6.1 should be interpreted as in-situ sound reduction performances.
- 6.16 Glazing units other than those suggested may be suitable and it is the responsibility of the glazing manufacturer to recommend and provide appropriate systems. The above analysis demonstrates that a design solution is feasible at the site for the purposes of a planning application. Further detailed calculations may be necessary to inform glazing procurement decisions.
- 6.17 Internal noise levels should be considered in the context of room ventilation and overheating requirements. As the sound reduction performance requirements are greater than 10dB, the windows will need to be closed to achieve the internal noise criteria although the choice of opening windows should remain with the occupants.
- 6.18 Therefore, an alternative form of ventilation and/or cooling will be required so that occupants can retain access to fresh air and retain thermal comfort without compromising their noise climate. The ventilation and/or cooling system chosen should be designed so that it does not compromise the sound insulation performance of the building fabric.

Amenity Space Noise

- 6.19 As discussed in paragraph 6.3 to reduce the noise levels in all gardens to meet the upper value 55 dB $L_{Aeq,T}$ provided by BS8233:2014 a scheme of 1.8m and 2.5m high acoustic barriers have been included in the noise model. The daytime noise contours incorporating these noise mitigation measures are shown in Figures 6.

- 6.20 The acoustic barriers should be constructed from close boarded, overlapping timber with a minimum thickness of 15mm. The barrier should be suitably treated to prevent warping and rot due to weathering. There must be no cracks or gaps in the barrier. The overall attenuation will be limited by transmission over and around the barrier, provided that the barrier material has a mass per unit of surface area in excess of 10 Kg/m² and there are no gaps at the joints.
- 6.21 The 2.5m high noise barrier around the perimeter of plots 23, 24 & 25 will be a wall construction, which will provide the same acoustic performance as the acoustic barrier specification, described above.

7. Conclusion

- 7.1 Phlorum Ltd has been commissioned by Vivid and Climping Homes Ltd to undertake a noise assessment at the land West of Church Lane, Climping for the submission of a reserved matters application for 300 dwellings.
- 7.2 The assessment has shown that providing the mitigation measures considered in this report are implemented, noise levels within the proposed property should meet the internal noise level criteria specified in ProPG:Planning & Noise and external noise levels provided in BS8233:2014.
- 7.3 The report has considered Conditions 4 and 17 and the noise mitigation strategy has evolved to address the new site layout as the permitted scheme is no longer appropriate. The revised site layout has the gardens on the far side of the buildings such that the gardens are partially shielded from the traffic noise. As the dwellings consist mainly of semi detached and terraced housing, the gaps in between buildings will be filled by acoustic barriers. As required by Condition 18, post validation testing will be undertaken at dwellings along the southern and eastern boundaries to show that both the external and internal noise targets provided by BS8233:2014 are achieved.
- 7.4 On the basis of this assessment, it is considered that noise does not pose a constraint to the proposed development.

Figures



Legend

1. 100' Buffer Zone
2. 200' Buffer Zone
3. 300' Buffer Zone
4. 400' Buffer Zone
5. 500' Buffer Zone
6. 600' Buffer Zone
7. 700' Buffer Zone
8. 800' Buffer Zone
9. 900' Buffer Zone
10. 1000' Buffer Zone

Scale

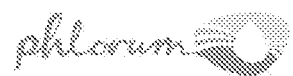
1" = 100'

North Arrow

North

hgp

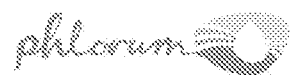
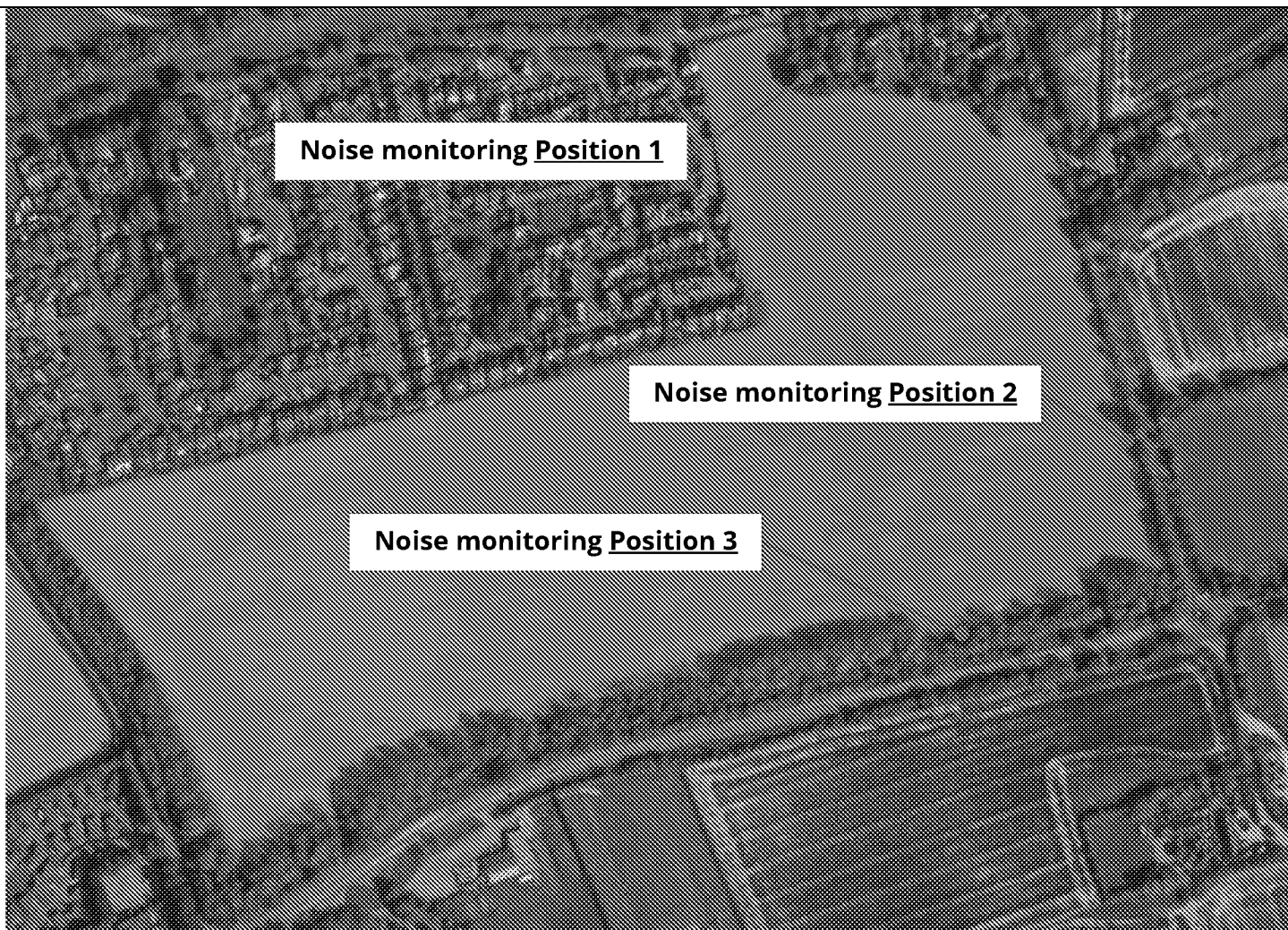
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Site Plan

Job No. 9709

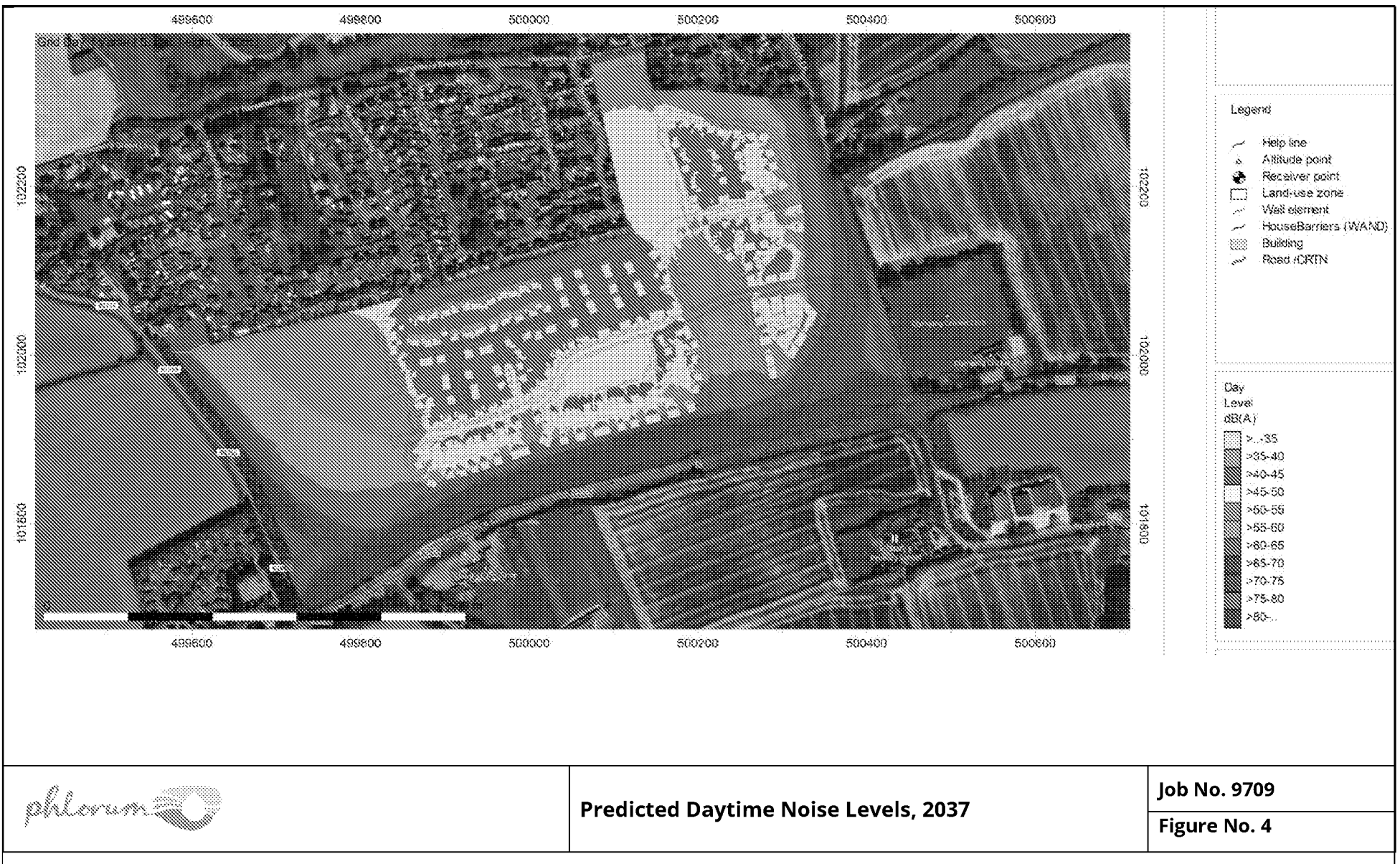
Figure No. 1

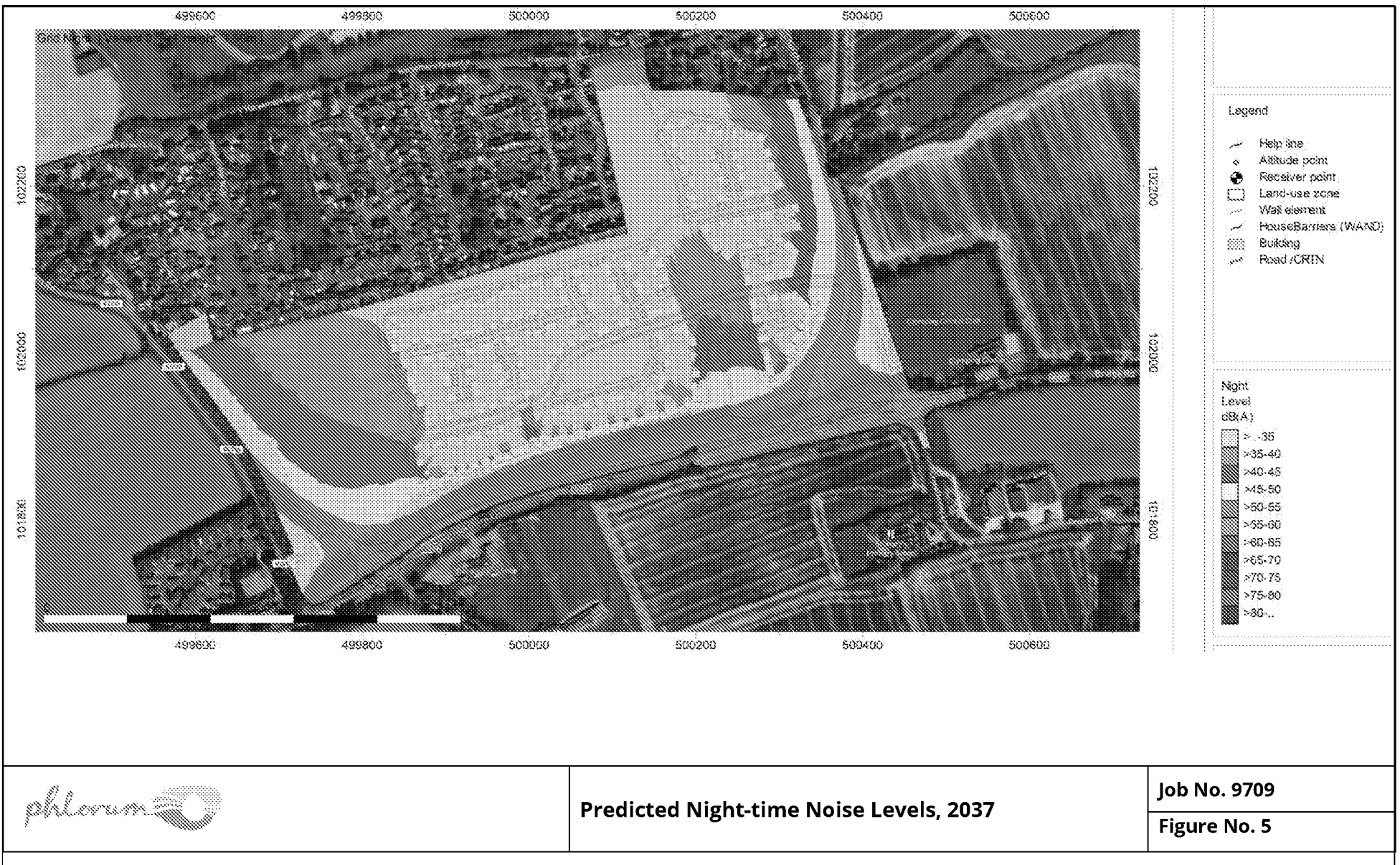


Noise Measurement Locations

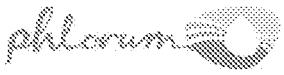
Job No. 9709

Figure No. 3







	Predicted Night-time Noise Levels, With Noise Mitigation, 2037	Job No. 9709
		Figure No. 7

Appendix A

Introduction to Noise and Glossary of Terminology

Noise is defined as unwanted sound. The human ear is able to respond to sound in the frequency range 18Hz (deep bass) to 18,000Hz (high treble) and over the audible range of 0dB (the threshold of perception) to 140dB (the onset of pain). The ear does not respond equally to different frequencies of the same magnitude, but is more responsive to mid-frequencies than to lower or higher frequencies. To quantify noise in a manner that approximates the response of the human ear, a weighting (filtering) mechanism is used. This reduces the importance of lower and higher frequencies, approximating the response of the human ear.

Furthermore, the perception of noise may be determined by a number of other factors, which may not necessarily be acoustic. Noise can be perceived to be louder or more noticeable if the source of the noise is observed; e.g. roads, trains, factories, building sites etc. In general, the impact of noise depends upon its level, the margin by which it exceeds the background level, its character and its variation over a given period of time. In some cases, the time of day and other acoustic features such as tonality may be important, as may the disposition of the affected individual. Any assessment of noise should give due consideration to all of these factors when assessing the significance of a noise source. Various noise indices have been derived to describe the fluctuation of noise levels that vary over time. Usually, these noise indices relate to specific types of noise, and as such different noise indices are used to describe road traffic noise, background noise, construction noise, etc.

The weighting mechanism that best corresponds to the response of the human ear is the 'A'-weighting scale. This is widely used for environmental noise measurement and the levels are denoted as dB(A) or L_{Aeq} , L_{A10} , etc, according to the parameter being measured.

Noise is measured on the decibel scale, which is logarithmic rather than linear. As a result of this, a 3dB increase in sound level represents a doubling of the sound energy present. Judgement of sound is subjective, but as a general guide a 10dB(A) increase can be taken to represent a doubling of loudness, whilst an increase in the order of 3dB(A) is generally regarded as the minimum difference needed to perceive a change. Table A.1 sets out examples of noise levels typically experienced during everyday activities. Table A.2 sets out an explanation of the terminology used in this report.

Table A1: Typical sound levels found in the environment

Sound Level	Location
0 to 10dB(A)	Threshold of hearing
10 to 20dB(A)	Broadcasting studio
20 to 30dB(A)	Quiet bedroom at night
30 to 40dB(A)	Living room during the day
40 to 50dB(A)	Typical office
50 to 60dB(A)	Inside a car
60 to 70dB(A)	Typical high street
70 to 90dB(A)	Inside a factory or noisy pub
100 to 110dB(A)	Burglar Alarm at 1m
110 to 130dB(A)	Pneumatic drill at 1m away
140dB(A)	Threshold of Pain

Table A2: Terminology relating to noise

Term	Description
Sound Pressure	Sound, or sound pressure, is a fluctuation in air pressure over the static ambient pressure.
Sound Pressure Level (Sound Level)	The sound level is the sound pressure relative to a standard reference pressure of 20µPa (20x10 ⁻⁶ Pascals) on a decibel scale.
Decibel (dB)	A scale for comparing the ratios of two quantities, including sound pressure and sound power. The difference in level between two sounds s_1 and s_2 is given by $20 \log_{10} (s_1/s_2)$. The decibel can also be used to measure absolute quantities by specifying a reference value that fixes one point on the scale. For sound pressure, the reference value is 20µPa.
A-weighting, dB(A)	The unit of sound level, weighted according to the A-scale, which takes into account the increased sensitivity of the human ear at some frequencies.
Noise Level Indices	Noise levels usually fluctuate over time, so it is often necessary to consider an average or statistical noise level. This can be done in several ways, so a number of different noise indices have been defined, according to how the averaging or statistics are carried out.
$L_{Aeq,T}$	A noise level index called the equivalent continuous noise level over the time period T. This is the level of a notional steady sound that would contain the same amount of sound energy as the actual, possibly fluctuating, sound that was recorded.
$L_{max,T}$	A noise level index defined as the maximum noise level during the period T. L_{max} is sometimes used for the assessment of occasional loud noises, which may have little effect on the overall L_{eq} noise level but will still affect the noise environment. Unless described otherwise, it is measured using the 'fast' sound level meter response.
$L_{90,T}$ or Background Noise Level	A noise level index. The noise level exceeded for 90% of the time over the period T. L_{90} can be considered to be the "average minimum" noise level and is often used to describe the background noise.
$L_{10,T}$	A noise level index. The noise level exceeded for 10% of the time over the period T. L_{10} can be considered to be the "average maximum" noise level. Generally used to describe road traffic noise.
Free-field	Far from the presence of sound reflecting objects (except the ground), usually taken to mean at least 3.5 metres
Façade	At a distance of 1 metre in front of a large sound reflecting object such as a building façade.
Fast Time Weighting	An averaging time used in sound level meters. Defined in BS EN 61672.

Appendix B

Monitoring Equipment

Table B1: Noise monitoring equipment

Position	Equipment	Serial Number	Calibration Date
1	LD820 Sound Meter	A1144	19/10/20
	Mic	31825	
	Preamp	2054	
2	LD824 Sound Analyser	419	16/10/20
	Mic	31817	
	Preamp	2732	
3	LD824 Sound Analyser	A13090	27/8/20
	Mic	28488	
	Preamp	5368	
	LD CAL200 Calibrator	3723	27/8/20

Appendix C

Full Noise Survey Results

Figure C1: Free-Field Noise Levels, Position 1

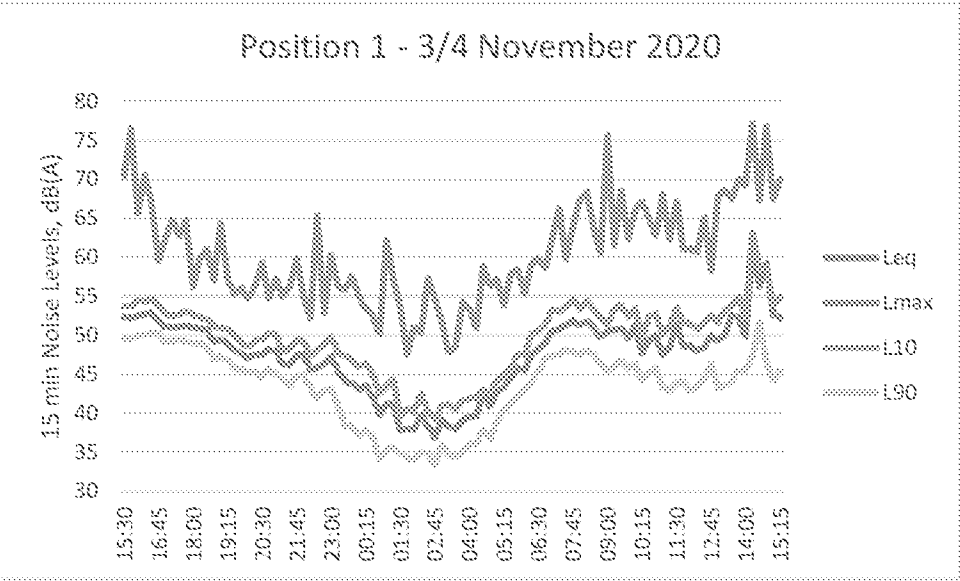


Figure C2: Free-Field Noise Levels, Position 2

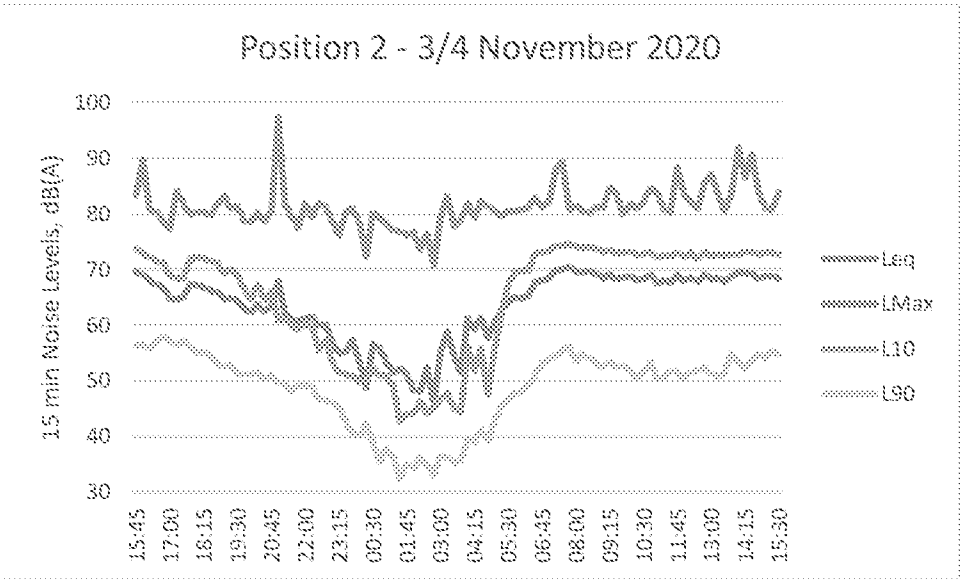
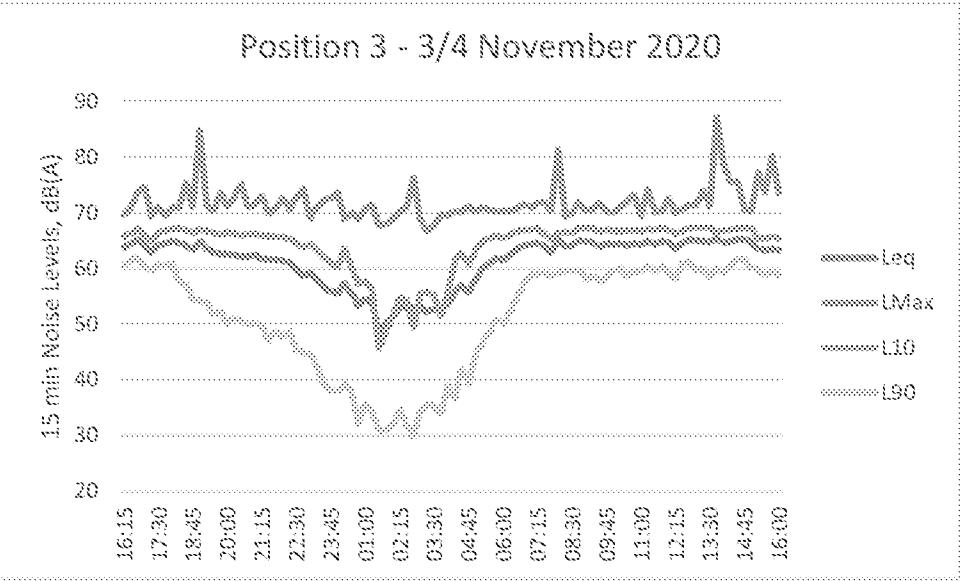


Figure C3: Free-Field Noise Levels, Position 3



Appendix D
Predicted Noise Levels at Each Plot

Table D1 – Predicted Façade Noise Levels, dB

Plot No	Floor	Elevation	Façade Corrected		Window		Vent		Plot No	Floor	Elevation	Façade Corrected		Window		Vent	
			Day Façade LAeq,16hr dB	Night Façade LAeq,8hr dB	Day Rw+Ctr dB	Night Rw+Ctr dB	Day	Night				Day Façade LAeq,16hr dB	Night Façade LAeq,8hr dB	Day Rw+Ctr dB	Night Rw+Ctr dB	Day	Night
1_16	Gnd Floor	N/E	62.4	46.2	27.4	16.2	Y	Y	151	Gnd Floor	North	40.7	25.0	5.7	-5.0	N	N
1_16	First Floor	N/E	63.2	46.9	28.2	16.9	Y	Y	151	First Floor	North	43.6	28.1	8.6	-1.9	N	N
1_16	Gnd Floor	N/W	56.0	38.0	21.0	8.0	Y	N	151	Gnd Floor	East	42.0	26.7	7.0	-3.3	N	N
1_16	First Floor	N/W	57.0	39.1	22.0	9.1	Y	N	151	First Floor	East	45.0	29.7	10.0	-0.3	N	N
1_16	Gnd Floor	S/W	47.4	32.2	12.4	2.2	N	N	151	Gnd Floor	South	45.1	30.1	10.1	0.1	N	N
1_16	First Floor	S/W	50.6	35.3	15.6	5.3	Y	N	151	First Floor	South	47.3	32.3	12.3	2.3	N	N
1_16	Gnd Floor	South	63.3	47.9	28.3	17.9	Y	Y	151	Gnd Floor	West	38.3	23.1	3.3	-6.9	N	N
1_16	First Floor	South	64.7	49.4	29.7	19.4	Y	Y	151	First Floor	West	41.8	26.6	6.8	-3.4	N	N
17_19	Gnd Floor	N/E	60.4	44.9	25.4	14.9	Y	N	152	Gnd Floor	S/W	43.5	28.5	8.5	-1.5	N	N
17_19	First Floor	N/E	61.2	45.7	26.2	15.7	Y	Y	152	First Floor	S/W	45.9	30.9	10.9	0.9	N	N
17_19	Gnd Floor	S/E	65.5	50.1	30.5	20.1	Y	Y	152	Gnd Floor	North	39.6	23.9	4.6	-6.1	N	N
17_19	First Floor	S/E	66.6	51.3	31.6	21.3	Y	Y	152	First Floor	North	43.0	27.5	8.0	-2.5	N	N
17_19	Gnd Floor	S/W	56.2	40.9	21.2	10.9	Y	N	152	Gnd Floor	East	43.6	28.5	8.6	-1.5	N	N
17_19	First Floor	S/W	58.2	42.9	23.2	12.9	Y	N	152	First Floor	East	46.2	31.1	11.2	1.1	N	N
17_19	Gnd Floor	N/W	45.9	30.3	10.9	0.3	N	N	152	Gnd Floor	South	45.6	30.6	10.6	0.6	N	N
17_19	First Floor	N/W	49.4	33.9	14.4	3.9	N	N	152	First Floor	South	47.7	32.7	12.7	2.7	N	N
20_22	Gnd Floor	N/E	56.0	40.7	21.0	10.7	Y	N	153_155	Gnd Floor	North	40.4	24.6	5.4	-5.4	N	N
20_22	First Floor	N/E	58.1	42.8	23.1	12.8	Y	N	153_155	First Floor	North	43.5	27.9	8.5	-2.1	N	N
20_22	Gnd Floor	S/E	65.3	49.9	30.3	19.9	Y	Y	153_155	Gnd Floor	West	42.4	27.4	7.4	-2.6	N	N
20_22	First Floor	S/E	66.5	51.3	31.5	21.3	Y	Y	153_155	First Floor	West	45.1	30.1	10.1	0.1	N	N
20_22	Gnd Floor	S/W	60.7	45.4	25.7	15.4	Y	Y	153_155	Gnd Floor	South	45.3	30.2	10.3	0.2	N	N
20_22	First Floor	S/W	63.6	48.5	28.6	18.5	Y	Y	153_155	First Floor	South	47.6	32.5	12.6	2.5	N	N
20_22	Gnd Floor	N/W	46.2	30.7	11.2	0.7	N	N	153_155	Gnd Floor	East	43.9	28.6	8.9	-1.4	N	N
20_22	First Floor	N/W	49.8	34.4	14.8	4.4	N	N	153_155	First Floor	East	46.4	31.2	11.4	1.2	N	N
23_25	Gnd Floor	S/W	61.6	46.8	26.6	16.8	Y	Y	156_157	Gnd Floor	South	44.6	29.5	9.6	-0.5	N	N
23_25	First Floor	S/W	62.2	47.3	27.2	17.3	Y	Y	156_157	First Floor	South	47.4	32.3	12.4	2.3	N	N
23_25	Gnd Floor	West	61.3	46.5	26.3	16.5	Y	Y	156_157	Gnd Floor	West	43.6	28.6	8.6	-1.4	N	N
23_25	First Floor	West	62.1	47.3	27.1	17.3	Y	Y	156_157	First Floor	West	46.1	31.1	11.1	1.1	N	N
23_25	Gnd Floor	North	46.6	31.2	11.6	1.2	N	N	156_157	Gnd Floor	North	40.3	24.6	5.3	-5.4	N	N
23_25	First Floor	North	51.5	36.1	16.5	6.1	Y	N	156_157	First Floor	North	43.5	27.9	8.5	-2.1	N	N
23_25	Gnd Floor	N/E	53.6	38.4	18.6	8.4	Y	N	156_157	Gnd Floor	N/E	44.1	28.8	9.1	-1.2	N	N
23_25	First Floor	N/E	63.5	48.3	28.5	18.3	Y	Y	156_157	First Floor	N/E	46.5	31.3	11.5	1.3	N	N
23_25	Gnd Floor	East	54.9	39.7	19.9	9.7	Y	N	158	Gnd Floor	North	39.4	23.5	4.4	-6.5	N	N
23_25	First Floor	East	63.9	48.7	28.9	18.7	Y	Y	158	First Floor	North	42.7	27.0	7.7	-3.0	N	N
23_25	Gnd Floor	S/E	55.2	40.0	20.2	10.0	Y	N	158	Gnd Floor	East	43.9	28.7	8.9	-1.3	N	N
23_25	First Floor	S/E	65.0	49.8	30.0	19.8	Y	Y	158	First Floor	East	46.1	30.9	11.1	0.9	N	N
23_25	Gnd Floor	South	65.4	50.4	30.4	20.4	Y	Y	158	Gnd Floor	South	44.5	29.5	9.5	-0.5	N	N
23_25	First Floor	South	66.6	51.6	31.6	21.6	Y	Y	158	First Floor	South	47.0	31.9	12.0	1.9	N	N
23_25	Gnd Floor	S/W	62.6	47.8	27.6	17.8	Y	Y	158	Gnd Floor	S/W	42.3	27.3	7.3	-2.7	N	N
23_25	First Floor	S/W	63.2	48.4	28.2	18.4	Y	Y	158	First Floor	S/W	45.0	30.0	10.0	0.0	N	N
26_28	Gnd Floor	South	47.3	31.9	12.3	1.9	N	N	159	Gnd Floor	N/W	38.7	23.0	3.7	-7.0	N	N
26_28	First Floor	South	52.8	37.3	17.8	7.3	Y	N	159	First Floor	N/W	42.3	26.7	7.3	-3.3	N	N
26_28	Gnd Floor	West	60.3	45.5	25.3	15.5	Y	Y	159	Gnd Floor	West	42.3	27.3	7.3	-2.7	N	N
26_28	First Floor	West	60.9	46.1	25.9	16.1	Y	Y	159	First Floor	West	45.0	29.9	10.0	-0.1	N	N
26_28	Gnd Floor	North	44.8	29.2	9.8	-0.8	N	N	159	Gnd Floor	South	44.5	29.4	9.5	-0.6	N	N
26_28	First Floor	North	48.1	32.5	13.1	2.5	N	N	159	First Floor	South	47.0	31.9	12.0	1.9	N	N
26_28	Gnd Floor	East	54.5	39.3	19.5	9.3	Y	N	159	Gnd Floor	East	43.1	28.0	8.1	-2.0	N	N
26_28	First Floor	East	61.1	46.0	26.1	16.0	Y	Y	159	First Floor	East	45.7	30.6	10.7	0.6	N	N
29_31	Gnd Floor	N/W	44.5	28.3	9.5	-1.7	N	N	160	Gnd Floor	South	44.4	29.3	9.4	-0.7	N	N
29_31	First Floor	N/W	47.2	31.2	12.2	1.2	N	N	160	First Floor	South	47.0	31.9	12.0	1.9	N	N
29_31	Gnd Floor	North	44.9	28.8	9.9	-1.2	N	N	160	Gnd Floor	West	42.7	27.7	7.7	-2.3	N	N
29_31	First Floor	North	47.8	31.9	12.8	1.9	N	N	160	First Floor	West	45.2	30.2	10.2	0.1	N	N
29_31	Gnd Floor	East	51.4	36.2	16.4	6.2	Y	N	160	Gnd Floor	North	38.7	23.1	3.7	-6.9	N	N
29_31	First Floor	East	55.5	40.3	20.5	10.3	Y	N	160	First Floor	North	42.4	26.8	7.4	-3.2	N	N
29_31	Gnd Floor	S/E	54.2	39.2	19.2	9.2	Y	N	160	Gnd Floor	East	42.8	27.8	7.8	-2.2	N	N
29_31	First Floor	S/E	59.6	44.6	24.6	14.6	Y	N	160	First Floor	East	45.6	30.5	10.6	0.5	N	N
29_31	Gnd Floor	South	53.4	38.4	18.4	8.4	Y	N	161	Gnd Floor	South	44.6	29.5	9.6	-0.5	N	N
29_31	First Floor	South	60.1	45.1	25.1	15.1	Y	Y	161	First Floor	South	46.9	31.8	11.9	1.8	N	N
29_31	Gnd Floor	S/W	54.5	39.5	19.5	9.5	Y	N	161	Gnd Floor	West	41.7	26.7	6.7	-3.3	N	N
29_31	First Floor	S/W	60.4	45.4	25.4	15.4	Y	Y	161	First Floor	West	44.4	29.4	9.4	-0.6	N	N
29_31	Gnd Floor	West	58.5	43.6	23.5	13.6	Y	N	161	Gnd Floor	North	39.0	23.5	4.0	-6.5	N	N
29_31	First Floor	West	59.3	44.4	24.3	14.4	Y	N	161	First Floor	North	42.5	27.0	7.5	-3.0	N	N
29_31	Gnd Floor	N/W	44.8	28.7	9.8	-1.3	N	N	161	Gnd Floor	East	42.2	27.2	7.2	-2.8	N	N
29_31	First Floor	N/W	47.7	31.8	12.7	1.8	N	N	161	First Floor	East	45.0	29.9	10.0	-0.1	N	N
32_33	Gnd Floor	North	43.5	27.5	8.5	-2.5	N	N	162	Gnd Floor	South	46.5	31.5	11.5	1.5	N	N
32_33	First Floor	North	46.8	30.8	11.8	0.8	N	N	162	First Floor	South	49.5	34.5	14.5	4.5	N	N
32_33	Gnd Floor	East	48.0	32.4	13.0	2.4	N	N	162	Gnd Floor	East	45.6	30.6	10.6	0.6	N	N
32_33	First Floor	East	51.6	36.2	16.6	6.2	Y	N	162	First Floor	East	48.6	33.6	13.6	3.6	N	N
32_33	Gnd Floor	South	56.1	41.2	21.1	11.2	Y	N	162	Gnd Floor	North	39.2	23.5	4.2	-6.5	N	N
32_33	First Floor	South	57.0	42.1	22.0	12.1	Y	N	162	First Floor	North	42.6	27.0	7.6	-3.0	N	N
32_33	Gnd Floor	West	57.2	42.3	22.2	12.3	Y	N	162	Gnd Floor	West	43.7	28.7	8.7	-1.3	N	N
32_33	First Floor	West	57.6	42.8	22.6	12.8	Y	N	162	First Floor	West	47.0	32.0	12.0	2.0	N	N
34_36	Gnd Floor	South	47.1	31.9	12.1	1.9	N	N	163	Gnd Floor	South	44.2	29.1	9.2	-0.9	N	N
34_36	First Floor	South	49.9	34.6	14.9	4.6	N	N	163	First Floor	South	46.8	31.8	11.8	1.8	N	N
34_36	Gnd Floor	West	55.7	40.9	20.7	10.9	Y	N	163	Gnd Floor	West	40.0	25.0	5.0	-5.0	N	N
34_36	First Floor	West	56.5	41.6	21.5	11.6	Y	N	163	First Floor	West	43.1	28.0	8.1	-2.0	N	N
34_36	Gnd Floor	North	50.2	32.4	15.2	2.4	Y	N	163	Gnd Floor	North	39.3	23.5	4.3	-6.5	N	N
34_36	First Floor	North	51.3	33.9	16.3	3.9	Y	N	163	First Floor	North	42.6	27.0	7.6	-3.0	N	N
34_36	Gnd Floor	East	48.4	33.0	13.4	3.0	N	N	163	Gnd Floor	East	38.5	23.3	3.5	-6.7	N	N
34_36	First Floor	East	51.6	36.2	16.6	6.2	Y	N	163	First Floor	East	42.6	27.5	7.6	-2.5	N	N
37_39	Gnd Floor	West	45.9	30.8	10.9	0.8	N	N	164	Gnd Floor	S/E	45.0	29.9	10.0	-0.1	N	N
37_39	First Floor	West	49.1	33.9	14.1	3.9	N	N	164	First Floor	S/E	47.3	32.2	12.3	2.2	N	N
37_39	Gnd Floor	North	54.0	36.4	19.0	6.4	Y	N	164	Gnd Floor	East	40.2	25.2	5.2	-4.8	N	N
37_39	First Floor	North	54.9	37.3	19.9	7.3	Y	N	164	First Floor	East	43.3	28.3	8.3	-1.7	N	N
37_39	G																

40	First Floor	North	45.9	30.2	10.9	0.2	N	N	165	First Floor	West	45.6	30.5	10.6	0.5	N	N
41	Gnd Floor	N/E	58.5	43.6	23.5	13.6	Y	N	166	Gnd Floor	N/W	38.6	23.1	3.6	-6.9	N	N
41	First Floor	N/E	59.8	44.9	24.8	14.9	Y	N	166	First Floor	N/W	42.3	26.8	7.3	-3.2	N	N
41	Gnd Floor	North	43.4	27.6	8.4	-2.4	N	N	166	Gnd Floor	West	39.7	24.7	4.7	-5.3	N	N
41	First Floor	North	46.2	30.7	11.2	0.7	N	N	166	First Floor	West	42.8	27.7	7.8	-2.3	N	N
41	Gnd Floor	West	43.8	28.8	8.8	-1.2	N	N	166	Gnd Floor	South	45.3	30.2	10.3	0.2	N	N
41	First Floor	West	47.3	32.3	12.3	2.3	N	N	166	First Floor	South	48.0	32.9	13.0	2.9	N	N
41	Gnd Floor	South	56.2	41.2	21.2	11.2	Y	N	166	Gnd Floor	East	43.8	28.7	8.8	-1.3	N	N
41	First Floor	South	58.1	43.1	23.1	13.1	Y	N	166	First Floor	East	45.9	30.8	10.9	0.8	N	N
42	Gnd Floor	East	61.6	46.7	26.6	16.7	Y	Y	167	Gnd Floor	S/E	45.4	30.3	10.4	0.3	N	N
42	First Floor	East	62.4	47.5	27.4	17.5	Y	Y	167	First Floor	S/E	48.1	33.0	13.1	3.0	N	N
42	Gnd Floor	North	44.2	28.5	9.2	-1.5	N	N	167	Gnd Floor	East	39.9	24.9	4.9	-5.1	N	N
42	First Floor	North	47.0	31.5	12.0	1.5	N	N	167	First Floor	East	42.9	27.9	7.9	-2.1	N	N
42	Gnd Floor	West	44.3	29.3	9.3	-0.7	N	N	167	Gnd Floor	North	38.6	22.9	3.6	-7.1	N	N
42	First Floor	West	48.0	33.0	13.0	3.0	N	N	167	First Floor	North	42.2	26.7	7.2	-3.3	N	N
42	Gnd Floor	South	61.4	46.5	26.4	16.5	Y	Y	167	Gnd Floor	West	43.8	28.6	8.8	-1.4	N	N
42	First Floor	South	62.3	47.3	27.3	17.3	Y	Y	167	First Floor	West	46.9	31.8	11.9	1.8	N	N
43	Gnd Floor	West	46.6	31.7	11.6	1.7	N	N	168	Gnd Floor	S/E	46.0	30.9	11.0	0.9	N	N
43	First Floor	West	50.6	35.6	15.6	5.6	Y	N	168	First Floor	S/E	48.8	33.6	13.8	3.6	N	N
43	Gnd Floor	South	62.3	47.4	27.3	17.4	Y	Y	168	Gnd Floor	East	41.2	26.2	6.2	-3.8	N	N
43	First Floor	South	63.0	48.1	28.0	18.1	Y	Y	168	First Floor	East	44.3	29.2	9.3	-0.8	N	N
43	Gnd Floor	East	62.5	47.6	27.5	17.6	Y	Y	168	Gnd Floor	North	39.0	23.1	4.0	-6.9	N	N
43	First Floor	East	63.1	48.2	28.1	18.2	Y	Y	168	First Floor	North	42.3	26.7	7.3	-3.3	N	N
43	Gnd Floor	North	52.5	37.3	17.5	7.3	Y	N	168	Gnd Floor	West	43.9	28.8	8.9	-1.2	N	N
43	First Floor	North	55.0	39.9	20.0	9.9	Y	N	168	First Floor	West	47.7	32.6	12.7	2.6	N	N
44 45	Gnd Floor	S/W	63.3	48.5	28.3	18.5	Y	Y	169	Gnd Floor	North	42.1	26.8	7.1	-3.2	N	N
44 45	First Floor	S/W	63.5	48.6	28.5	18.6	Y	Y	169	First Floor	North	44.8	29.5	9.8	-0.6	N	N
44 45	Gnd Floor	N/W	44.3	29.0	9.3	-1.0	N	N	169	Gnd Floor	S/W	52.8	37.6	17.8	7.6	Y	N
44 45	First Floor	N/W	47.8	32.7	12.8	2.7	N	N	169	First Floor	S/W	54.3	39.2	19.3	9.2	Y	N
44 45	Gnd Floor	N/E	62.8	47.9	27.8	17.9	Y	Y	169	Gnd Floor	South	52.9	37.8	17.9	7.8	Y	N
44 45	First Floor	N/E	63.2	48.3	28.2	18.3	Y	Y	169	First Floor	South	54.4	39.3	19.4	9.3	Y	N
44 45	Gnd Floor	S/E	66.8	51.9	31.8	21.9	Y	Y	169	Gnd Floor	East	44.0	29.0	9.0	-1.0	N	N
44 45	First Floor	S/E	67.0	52.2	32.0	22.2	Y	Y	169	First Floor	East	46.9	31.8	11.9	1.8	N	N
46 48	Gnd Floor	West	62.6	47.7	27.6	17.7	Y	Y	170	Gnd Floor	North	41.2	25.8	6.2	-4.2	N	N
46 48	First Floor	West	62.7	47.9	27.7	17.9	Y	Y	170	First Floor	North	44.7	29.3	9.7	-0.7	N	N
46 48	Gnd Floor	South	66.9	52.1	31.9	22.1	Y	Y	170	Gnd Floor	S/W	51.6	36.3	16.6	6.3	Y	N
46 48	First Floor	South	67.1	52.2	32.1	22.2	Y	Y	170	First Floor	S/W	52.7	37.5	17.7	7.5	Y	N
46 48	Gnd Floor	East	63.0	48.1	28.0	18.1	Y	Y	170	Gnd Floor	South	47.6	32.3	12.6	2.3	N	N
46 48	First Floor	East	63.2	48.3	28.2	18.3	Y	Y	170	First Floor	South	49.7	34.4	14.7	4.4	N	N
46 48	Gnd Floor	North	44.5	29.1	9.5	-0.9	N	N	170	Gnd Floor	East	41.4	26.1	6.4	-3.9	N	N
46 48	First Floor	North	47.9	32.7	12.9	2.7	N	N	170	First Floor	East	44.6	29.4	9.6	-0.6	N	N
49 52	Gnd Floor	West	62.5	47.6	27.5	17.6	Y	Y	171	Gnd Floor	West	51.0	35.8	16.0	5.8	Y	N
49 52	First Floor	West	62.7	47.9	27.7	17.9	Y	Y	171	First Floor	West	52.3	37.1	17.3	7.1	Y	N
49 52	Gnd Floor	South	67.1	52.3	32.1	22.3	Y	Y	171	Gnd Floor	North	39.6	23.5	4.6	-6.5	N	N
49 52	First Floor	South	67.2	52.4	32.2	22.4	Y	Y	171	First Floor	North	42.6	26.8	7.6	-3.2	N	N
49 52	Gnd Floor	East	62.6	47.8	27.6	17.8	Y	Y	171	Gnd Floor	East	42.0	26.8	7.0	-3.2	N	N
49 52	First Floor	East	62.7	47.9	27.7	17.9	Y	Y	171	First Floor	East	45.1	29.9	10.1	-0.1	N	N
49 52	Gnd Floor	North	45.7	30.5	10.7	0.5	N	N	171	Gnd Floor	South	49.4	34.2	14.4	4.2	N	N
49 52	First Floor	North	48.9	33.8	13.9	3.8	N	N	171	First Floor	South	51.4	36.1	16.4	6.1	Y	N
53 54	Gnd Floor	West	61.7	46.8	26.7	16.8	Y	Y	172	Gnd Floor	S/E	43.3	28.2	8.3	-1.8	N	N
53 54	First Floor	West	61.9	47.0	26.9	17.0	Y	Y	172	First Floor	S/E	46.0	31.0	11.0	1.0	N	N
53 54	Gnd Floor	South	67.0	52.2	32.0	22.2	Y	Y	172	Gnd Floor	East	39.2	23.9	4.2	-6.1	N	N
53 54	First Floor	South	67.2	52.3	32.2	22.3	Y	Y	172	First Floor	East	42.7	27.4	7.7	-2.6	N	N
53 54	Gnd Floor	East	62.8	47.9	27.8	17.9	Y	Y	172	Gnd Floor	North	39.7	23.4	4.7	-6.6	N	N
53 54	First Floor	East	62.9	48.1	27.9	18.1	Y	Y	172	First Floor	North	42.6	26.7	7.6	-3.3	N	N
53 54	Gnd Floor	North	44.3	29.0	9.3	-1.0	N	N	172	Gnd Floor	West	39.4	24.2	4.4	-5.8	N	N
53 54	First Floor	North	47.7	32.6	12.7	2.6	N	N	172	First Floor	West	42.9	27.7	7.9	-2.3	N	N
55 56	Gnd Floor	West	62.8	47.9	27.8	17.9	Y	Y	173	Gnd Floor	North	39.9	23.7	4.9	-6.3	N	N
55 56	First Floor	West	62.9	48.1	27.9	18.1	Y	Y	173	First Floor	North	43.1	27.1	8.1	-2.9	N	N
55 56	Gnd Floor	South	67.0	52.1	32.0	22.1	Y	Y	173	Gnd Floor	East	40.4	25.2	5.4	-4.8	N	N
55 56	First Floor	South	67.2	52.3	32.2	22.3	Y	Y	173	First Floor	East	43.6	28.3	8.6	-1.7	N	N
55 56	Gnd Floor	East	61.8	46.9	26.8	16.9	Y	Y	173	Gnd Floor	South	43.8	28.7	8.8	-1.3	N	N
55 56	First Floor	East	62.0	47.1	27.0	17.1	Y	Y	173	First Floor	South	46.3	31.3	11.3	1.3	N	N
55 56	Gnd Floor	North	44.1	28.9	9.1	-1.1	N	N	173	Gnd Floor	West	38.0	22.5	3.0	-7.5	N	N
55 56	First Floor	North	47.6	32.5	12.6	2.5	N	N	173	First Floor	West	41.6	26.3	6.6	-3.7	N	N
57 60	Gnd Floor	West	62.6	47.7	27.6	17.7	Y	Y	174	Gnd Floor	North	38.2	22.6	3.2	-7.4	N	N
57 60	First Floor	West	62.8	48.0	27.8	18.0	Y	Y	174	First Floor	North	41.8	26.3	6.8	-3.7	N	N
57 60	Gnd Floor	South	67.0	52.1	32.0	22.1	Y	Y	174	Gnd Floor	East	39.9	24.8	4.9	-5.2	N	N
57 60	First Floor	South	67.2	52.3	32.2	22.3	Y	Y	174	First Floor	East	42.9	27.8	7.9	-2.2	N	N
57 60	Gnd Floor	East	62.5	47.6	27.5	17.6	Y	Y	174	Gnd Floor	South	43.8	28.8	8.8	-1.2	N	N
57 60	First Floor	East	62.6	47.8	27.6	17.8	Y	Y	174	First Floor	South	46.3	31.2	11.3	1.2	N	N
57 60	Gnd Floor	North	44.0	28.8	9.0	-1.2	N	N	174	Gnd Floor	West	38.8	23.2	3.8	-6.8	N	N
57 60	First Floor	North	47.6	32.5	12.6	2.5	N	N	174	First Floor	West	42.5	27.0	7.5	-3.0	N	N
61 63	Gnd Floor	West	62.6	47.8	27.6	17.8	Y	Y	175	Gnd Floor	East	42.1	27.0	7.1	-3.0	N	N
61 63	First Floor	West	62.9	48.0	27.9	18.0	Y	Y	175	First Floor	East	44.6	29.5	9.6	-0.5	N	N
61 63	Gnd Floor	South	66.9	52.1	31.9	22.1	Y	Y	175	Gnd Floor	N/W	39.6	23.4	4.6	-6.6	N	N
61 63	First Floor	South	67.1	52.3	32.1	22.3	Y	Y	175	First Floor	N/W	42.5	26.6	7.5	-3.4	N	N
61 63	Gnd Floor	East	62.6	47.8	27.6	17.8	Y	Y	175	Gnd Floor	West	39.2	24.1	4.2	-5.9	N	N
61 63	First Floor	East	62.8	47.9	27.8	17.9	Y	Y	175	First Floor	West	42.4	27.3	7.4	-2.7	N	N
61 63	Gnd Floor	North	44.0	28.8	9.0	-1.2	N	N	175	Gnd Floor	South	44.2	29.2	9.2	-0.8	N	N
61 63	First Floor	North	47.5	32.4	12.5	2.4	N	N	175	First Floor	South	46.5	31.4	11.5	1.4	N	N
64 65	Gnd Floor	West	63.3	48.4	28.3	18.4	Y	Y	176	Gnd Floor	S/W	41.7	26.6	6.7	-3.4	N	N
64 65	First Floor	West	63.7	48.9	28.7	18.9	Y	Y	176	First Floor	S/W	44.4	29.3	9.4	-0.7	N	N
64 65	Gnd Floor	South	66.7	51.9	31.7	21.9	Y	Y	176	Gnd Floor	North	39.7	23.5	4.7	-6.5	N	N
64 65	First Floor	South	67.0	52.2	32.0	22.2	Y	Y	176	First Floor	North	42.6	26.7	7.6	-3.3	N	N
64 65	Gnd Floor	East	62.5	47.6	27.5	17.6	Y	Y	176	Gnd Floor	East	38.7	23.5	3.7	-6.5	N	N
64 65	First Floor	East	62.6	47.8	27.6	17.8	Y	Y	176	First Floor	East	42.1	27.0	7.1	-3.0	N	N
64 65	Gnd Floor	North	43.9	28.7	8.9	-1.3	N	N	176	Gnd Floor	South	44.1	29.1	9.1	-0.9	N	N
64 65	First Floor	North	47.5	32.4	12.5	2.4	N	N	176	First							

69	First Floor	North	46.6	31.4	11.6	1.4	N	N	178	First Floor	East	44.3	29.2	9.3	-0.8	N	N
69	Gnd Floor	S/W	54.7	39.8	19.7	9.8	Y	N	178	Gnd Floor	South	43.7	28.6	8.7	-1.4	N	N
69	First Floor	S/W	55.8	40.9	20.8	10.9	Y	N	178	First Floor	South	46.2	31.1	11.2	1.1	N	N
69	Gnd Floor	South	54.9	40.0	19.9	10.0	Y	N	178	Gnd Floor	West	37.7	22.3	2.7	-7.7	N	N
69	First Floor	South	56.6	41.7	21.6	11.7	Y	N	178	First Floor	West	41.5	26.2	6.5	-3.8	N	N
70	Gnd Floor	East	48.3	33.4	13.3	3.4	N	N	179	Gnd Floor	North	40.1	23.8	5.1	-6.2	N	N
70	First Floor	East	53.1	38.2	18.1	8.2	Y	N	179	First Floor	North	42.9	27.0	7.9	-3.0	N	N
70	Gnd Floor	N/W	43.8	28.4	8.8	-1.6	N	N	179	Gnd Floor	East	39.5	24.4	4.5	-5.6	N	N
70	First Floor	N/W	46.5	31.3	11.5	1.3	N	N	179	First Floor	East	42.7	27.6	7.7	-2.4	N	N
70	Gnd Floor	West	48.8	33.9	13.8	3.9	N	N	179	Gnd Floor	South	43.8	28.8	8.8	-1.2	N	N
70	First Floor	West	54.0	39.1	19.0	9.1	Y	N	179	First Floor	South	46.2	31.1	11.2	1.1	N	N
70	Gnd Floor	South	51.7	36.9	16.7	6.9	Y	N	179	Gnd Floor	West	38.2	22.9	3.2	-7.1	N	N
70	First Floor	South	56.8	41.9	21.8	11.9	Y	N	179	First Floor	West	42.0	26.7	7.0	-3.3	N	N
71	Gnd Floor	S/W	49.8	34.9	14.8	4.9	N	N	180	Gnd Floor	N/W	39.0	22.9	4.0	-7.1	N	N
71	First Floor	S/W	55.4	40.6	20.4	10.6	Y	N	180	First Floor	N/W	42.2	26.4	7.2	-3.6	N	N
71	Gnd Floor	North	43.8	28.4	8.8	-1.6	N	N	180	Gnd Floor	West	40.0	24.9	5.0	-5.1	N	N
71	First Floor	North	46.5	31.3	11.5	1.3	N	N	180	First Floor	West	43.0	27.9	8.0	-2.1	N	N
71	Gnd Floor	East	43.8	28.9	8.8	-1.2	N	N	180	Gnd Floor	South	43.9	28.8	8.9	-1.2	N	N
71	First Floor	East	48.0	33.1	13.0	3.1	N	N	180	First Floor	South	46.3	31.3	11.3	1.3	N	N
71	Gnd Floor	South	51.7	36.8	16.7	6.8	Y	N	180	Gnd Floor	East	38.8	23.6	3.8	-6.4	N	N
71	First Floor	South	56.7	41.9	21.7	11.9	Y	N	180	First Floor	East	42.8	27.7	7.8	-2.3	N	N
72	Gnd Floor	N/W	42.6	27.1	7.6	-2.9	N	N	181	Gnd Floor	N/W	40.2	23.9	5.2	-6.1	N	N
72	First Floor	N/W	45.9	30.7	10.9	0.7	N	N	181	First Floor	N/W	43.0	27.0	8.0	-3.0	N	N
72	Gnd Floor	West	45.0	30.1	10.0	0.1	N	N	181	Gnd Floor	West	38.3	23.0	3.3	-7.0	N	N
72	First Floor	West	49.8	34.9	14.8	4.9	N	N	181	First Floor	West	42.3	27.1	7.3	-2.9	N	N
72	Gnd Floor	South	50.9	36.0	15.9	6.0	Y	N	181	Gnd Floor	South	43.5	28.5	8.5	-1.5	N	N
72	First Floor	South	56.0	41.2	21.0	11.2	Y	N	181	First Floor	South	46.0	30.9	11.0	0.9	N	N
72	Gnd Floor	East	42.2	27.1	7.2	-2.9	N	N	181	Gnd Floor	East	39.0	23.3	4.0	-6.7	N	N
72	First Floor	East	46.3	31.2	11.3	1.2	N	N	181	First Floor	East	42.8	27.2	7.8	-2.8	N	N
73	Gnd Floor	North	43.5	28.0	8.5	-2.0	N	N	182	Gnd Floor	N/W	40.3	23.9	5.3	-6.1	N	N
73	First Floor	North	46.4	31.1	11.4	1.1	N	N	182	First Floor	N/W	43.0	27.0	8.0	-3.0	N	N
73	Gnd Floor	West	46.6	31.7	11.6	1.7	N	N	182	Gnd Floor	West	40.2	25.1	5.2	-4.9	N	N
73	First Floor	West	52.1	37.2	17.1	7.2	Y	N	182	First Floor	West	43.4	28.2	8.4	-1.8	N	N
73	Gnd Floor	South	49.8	35.0	14.8	5.0	N	N	182	Gnd Floor	South	43.7	28.7	8.7	-1.3	N	N
73	First Floor	South	54.7	39.8	19.7	9.8	Y	N	182	First Floor	South	46.2	31.1	11.2	1.1	N	N
73	Gnd Floor	East	45.5	30.5	10.5	0.5	N	N	182	Gnd Floor	East	41.0	24.9	6.0	-5.1	N	N
73	First Floor	East	48.7	33.7	13.7	3.7	N	N	182	First Floor	East	44.0	28.2	9.0	-1.8	N	N
74	Gnd Floor	East	48.8	33.8	13.8	3.8	N	N	183 185	Gnd Floor	South	43.4	28.2	8.4	-1.8	N	N
74	First Floor	East	53.7	38.8	18.7	8.8	Y	N	183 185	First Floor	South	46.2	31.1	11.2	1.1	N	N
74	Gnd Floor	N/W	43.7	28.3	8.7	-1.7	N	N	183 185	Gnd Floor	N/W	42.4	27.4	7.4	-2.6	N	N
74	First Floor	N/W	46.5	31.2	11.5	1.2	N	N	183 185	First Floor	N/W	44.8	29.6	9.8	-0.4	N	N
74	Gnd Floor	West	45.2	30.3	10.2	0.3	N	N	183 185	Gnd Floor	North	40.0	23.6	5.0	-6.4	N	N
74	First Floor	West	48.5	33.5	13.5	3.5	N	N	183 185	First Floor	North	42.9	26.8	7.9	-3.2	N	N
74	Gnd Floor	South	49.9	35.0	14.9	5.0	N	N	183 185	Gnd Floor	N/E	43.5	28.1	8.5	-1.9	N	N
74	First Floor	South	54.5	39.7	19.5	9.7	Y	N	183 185	First Floor	N/E	45.8	30.4	10.8	0.4	N	N
75	Gnd Floor	S/W	48.7	33.8	13.7	3.8	N	N	186 188	Gnd Floor	North	39.7	23.8	4.7	-6.2	N	N
75	First Floor	S/W	53.7	38.8	18.7	8.8	Y	N	186 188	First Floor	North	42.8	27.1	7.8	-2.9	N	N
75	Gnd Floor	North	43.8	28.3	8.8	-1.7	N	N	186 188	Gnd Floor	S/W	43.3	28.3	8.3	-1.7	N	N
75	First Floor	North	46.6	31.3	11.6	1.3	N	N	186 188	First Floor	S/W	45.7	30.6	10.7	0.6	N	N
75	Gnd Floor	East	43.0	28.1	8.0	-1.9	N	N	186 188	Gnd Floor	South	45.1	30.0	10.1	0.0	N	N
75	First Floor	East	46.6	31.7	11.6	1.7	N	N	186 188	First Floor	South	47.3	32.2	12.3	2.2	N	N
75	Gnd Floor	South	50.6	35.7	15.6	5.7	Y	N	186 188	Gnd Floor	S/E	44.1	28.8	9.1	-1.2	N	N
75	First Floor	South	55.4	40.5	20.4	10.5	Y	N	186 188	First Floor	S/E	46.3	31.1	11.3	1.1	N	N
76	Gnd Floor	East	45.8	30.6	10.8	0.6	N	N	189 191	Gnd Floor	West	45.4	30.5	10.4	0.5	N	N
76	First Floor	East	50.0	35.1	15.0	5.1	Y	N	189 191	First Floor	West	47.1	32.1	12.1	2.1	N	N
76	Gnd Floor	N/W	42.9	27.3	7.9	-2.7	N	N	189 191	Gnd Floor	N/E	41.4	25.3	6.4	-4.7	N	N
76	First Floor	N/W	46.1	30.8	11.1	0.8	N	N	189 191	First Floor	N/E	44.2	28.5	9.2	-1.5	N	N
76	Gnd Floor	West	43.2	28.2	8.2	-1.8	N	N	189 191	Gnd Floor	East	45.8	30.5	10.8	0.5	N	N
76	First Floor	West	46.7	31.8	11.7	1.8	N	N	189 191	First Floor	East	47.9	32.6	12.9	2.6	N	N
76	Gnd Floor	South	50.3	35.4	15.3	5.4	Y	N	189 191	Gnd Floor	S/E	48.2	32.9	13.2	2.9	N	N
76	First Floor	South	55.1	40.2	20.1	10.2	Y	N	189 191	First Floor	S/E	49.6	34.4	14.6	4.4	N	N
77	Gnd Floor	South	50.8	35.9	15.8	5.9	Y	N	192 194	Gnd Floor	East	46.0	30.9	11.0	0.9	N	N
77	First Floor	South	55.8	40.9	20.8	10.9	Y	N	192 194	First Floor	East	48.0	32.8	13.0	2.8	N	N
77	Gnd Floor	West	46.2	31.3	11.2	1.3	N	N	192 194	Gnd Floor	N/W	41.0	25.1	6.0	-4.9	N	N
77	First Floor	West	50.9	36.0	15.9	6.0	Y	N	192 194	First Floor	N/W	44.0	28.4	9.0	-1.6	N	N
77	Gnd Floor	North	43.0	27.5	8.0	-2.5	N	N	192 194	Gnd Floor	West	45.7	30.7	10.7	0.7	N	N
77	First Floor	North	46.3	31.0	11.3	1.0	N	N	192 194	First Floor	West	47.4	32.4	12.4	2.4	N	N
77	Gnd Floor	N/E	46.2	31.1	11.2	1.1	N	N	192 194	Gnd Floor	S/W	48.6	33.4	13.6	3.4	N	N
77	First Floor	N/E	51.3	36.3	16.3	6.3	Y	N	192 194	First Floor	S/W	49.9	34.8	14.9	4.8	N	N
78	Gnd Floor	North	43.5	28.1	8.5	-1.9	N	N	195 197	Gnd Floor	North	39.9	24.1	4.9	-5.9	N	N
78	First Floor	North	46.6	31.3	11.6	1.3	N	N	195 197	First Floor	North	43.1	27.4	8.1	-2.6	N	N
78	Gnd Floor	N/E	47.5	32.5	12.5	2.5	N	N	195 197	Gnd Floor	West	44.0	29.0	9.0	-1.0	N	N
78	First Floor	N/E	52.2	37.3	17.2	7.3	Y	N	195 197	First Floor	West	46.3	31.3	11.3	1.3	N	N
78	Gnd Floor	South	52.1	37.2	17.1	7.2	Y	N	195 197	Gnd Floor	South	45.8	30.7	10.8	0.7	N	N
78	First Floor	South	57.5	42.6	22.5	12.6	Y	N	195 197	First Floor	South	48.0	32.9	13.0	2.9	N	N
78	Gnd Floor	S/W	42.4	27.4	7.4	-2.6	N	N	195 197	Gnd Floor	East	44.4	29.0	9.4	-1.0	N	N
78	First Floor	S/W	46.5	31.5	11.5	1.5	N	N	195 197	First Floor	East	46.6	31.2	11.6	1.2	N	N
79	Gnd Floor	S/W	47.7	32.8	12.7	2.8	N	N	198 200	Gnd Floor	North	39.9	23.9	4.9	-6.1	N	N
79	First Floor	S/W	53.9	39.1	18.9	9.1	Y	N	198 200	First Floor	North	42.9	27.1	7.9	-2.9	N	N
79	Gnd Floor	N/W	44.1	29.0	9.1	-1.0	N	N	198 200	Gnd Floor	West	43.8	28.7	8.8	-1.3	N	N
79	First Floor	N/W	47.4	32.3	12.4	2.3	N	N	198 200	First Floor	West	45.9	30.8	10.9	0.8	N	N
79	Gnd Floor	N/E	46.0	30.9	11.0	0.9	N	N	198 200	Gnd Floor	South	43.8	28.6	8.8	-1.4	N	N
79	First Floor	N/E	50.5	35.5	15.5	5.5	Y	N	198 200	First Floor	South	46.5	31.3	11.5	1.3	N	N
79	Gnd Floor	S/E	52.0	37.1	17.0	7.1	Y	N	198 200	Gnd Floor	East	43.9	28.5	8.9	-1.5	N	N
79	First Floor	S/E	56.5	41.6	21.5	11.6	Y	N	198 200	First Floor	East	46.1	30.7	11.1	0.7	N	N
80	Gnd Floor	East	49.4	34.5	14.4	4.5	N	N	201 202	Gnd Floor	South	43.7	28.5	8.7	-1.5	N	N
80	First Floor	East	53.0	38.1	18.0	8.1	Y	N	201 202	First Floor	South	46.3	31.1	11.3	1.1	N	N
80	Gnd Floor	North	42.0	26.8	7.0	-3.2	N	N	201 202	Gnd Floor	N/E	44.0	28.4	9.0	-1.6	N	N
80	First Floor	North	45.8	30.6	10.8	0.6	N	N	201 202	First Floor	N/E	46.1	30.5	11.1	0.5	N	N
80	Gnd Floor	West	44.8	29.8	9.8	-0.2	N	N	2								

81	Gnd Floor	North	42.0	26.3	7.0	-3.7	N	N	203 205	Gnd Floor	N/W	42.9	27.8	7.9	-2.2	N	N
81	First Floor	North	45.2	29.7	10.2	-0.3	N	N	203 205	First Floor	N/W	45.1	29.9	10.1	-0.1	N	N
82	Gnd Floor	West	46.0	31.0	11.0	1.0	N	N	206 207	Gnd Floor	South	43.8	28.6	8.8	-1.4	N	N
82	First Floor	West	47.9	32.9	12.9	2.9	N	N	206 207	First Floor	South	46.5	31.3	11.5	1.3	N	N
82	Gnd Floor	North	43.4	26.8	8.4	-3.2	N	N	206 207	Gnd Floor	East	44.6	29.1	9.6	-0.9	N	N
82	First Floor	North	45.7	29.7	10.7	-0.3	N	N	206 207	First Floor	East	46.8	31.3	11.8	1.3	N	N
82	Gnd Floor	East	46.9	31.7	11.9	1.7	N	N	206 207	Gnd Floor	North	40.0	23.9	5.0	-6.1	N	N
82	First Floor	East	51.0	35.9	16.0	5.9	Y	N	206 207	First Floor	North	43.1	27.3	8.1	-2.7	N	N
82	Gnd Floor	South	41.5	26.3	6.5	-3.7	N	N	206 207	Gnd Floor	West	43.3	28.2	8.3	-1.8	N	N
82	First Floor	South	45.8	30.7	10.8	0.7	N	N	206 207	First Floor	West	45.7	30.5	10.7	0.5	N	N
83	Gnd Floor	West	45.7	30.7	10.7	0.7	N	N	208 210	Gnd Floor	S/E	46.2	31.0	11.2	1.0	N	N
83	First Floor	West	49.2	34.2	14.2	4.2	N	N	208 210	First Floor	S/E	48.5	33.3	13.5	3.3	N	N
83	Gnd Floor	N/W	44.1	28.7	9.1	-1.3	N	N	208 210	Gnd Floor	N/E	45.1	29.7	10.1	-0.3	N	N
83	First Floor	N/W	46.7	31.5	11.7	1.5	N	N	208 210	First Floor	N/E	47.4	32.0	12.4	2.0	N	N
83	Gnd Floor	East	55.8	40.9	20.8	10.9	Y	N	208 210	Gnd Floor	N/W	40.1	24.1	5.1	-5.9	N	N
83	First Floor	East	57.0	42.1	22.0	12.1	Y	N	208 210	First Floor	N/W	43.3	27.6	8.3	-2.4	N	N
83	Gnd Floor	S/E	55.9	41.0	20.9	11.0	Y	N	208 210	Gnd Floor	S/W	43.9	28.9	8.9	-1.1	N	N
83	First Floor	S/E	58.0	43.2	23.0	13.2	Y	N	208 210	First Floor	S/W	46.2	31.1	11.2	1.1	N	N
84 87	Gnd Floor	S/W	66.6	51.7	31.6	21.7	Y	Y	211 214	Gnd Floor	West	45.5	30.5	10.5	0.5	N	N
84 87	First Floor	S/W	67.0	52.1	32.0	22.1	Y	Y	211 214	First Floor	West	47.2	32.2	12.2	2.2	N	N
84 87	Gnd Floor	West	62.6	47.8	27.6	17.8	Y	Y	211 214	Gnd Floor	South	47.9	32.5	12.9	2.5	N	N
84 87	First Floor	West	63.3	48.5	28.3	18.5	Y	Y	211 214	First Floor	South	49.6	34.3	14.6	4.3	N	N
84 87	Gnd Floor	North	43.8	28.7	8.8	-1.3	N	N	211 214	Gnd Floor	East	43.4	28.2	8.4	-1.8	N	N
84 87	First Floor	North	47.5	32.4	12.5	2.4	N	N	211 214	First Floor	East	46.4	31.1	11.4	1.1	N	N
84 87	Gnd Floor	East	63.7	48.8	28.7	18.8	Y	Y	211 214	Gnd Floor	North	41.7	25.4	6.7	-4.6	N	N
84 87	First Floor	East	63.8	49.0	28.8	19.0	Y	Y	211 214	First Floor	North	44.6	28.6	9.6	-1.4	N	N
88 89	Gnd Floor	West	61.0	46.2	26.0	16.2	Y	Y	215 218	Gnd Floor	North	40.7	24.4	5.7	-5.6	N	N
88 89	First Floor	West	61.7	46.9	26.7	16.9	Y	Y	215 218	First Floor	North	43.9	27.8	8.9	-2.2	N	N
88 89	Gnd Floor	South	66.5	51.6	31.5	21.6	Y	Y	215 218	Gnd Floor	S/W	44.8	29.8	9.8	-0.2	N	N
88 89	First Floor	South	66.9	52.1	31.9	22.1	Y	Y	215 218	First Floor	S/W	46.8	31.7	11.8	1.7	N	N
88 89	Gnd Floor	East	62.9	48.1	27.9	18.1	Y	Y	215 218	Gnd Floor	S/E	46.4	31.2	11.4	1.2	N	N
88 89	First Floor	East	63.2	48.3	28.2	18.3	Y	Y	215 218	First Floor	S/E	48.7	33.5	13.7	3.5	N	N
88 89	Gnd Floor	North	44.1	29.0	9.1	-1.0	N	N	215 218	Gnd Floor	N/E	44.5	29.0	9.5	-1.0	N	N
88 89	First Floor	North	47.7	32.6	12.7	2.6	N	N	215 218	First Floor	N/E	47.2	31.6	12.2	1.6	N	N
90 91	Gnd Floor	West	60.2	45.3	25.2	15.3	Y	Y	219 221	Gnd Floor	South	44.8	29.6	9.8	-0.4	N	N
90 91	First Floor	West	60.8	45.9	25.8	15.9	Y	Y	219 221	First Floor	South	47.1	31.9	12.1	1.9	N	N
90 91	Gnd Floor	South	66.3	51.5	31.3	21.5	Y	Y	219 221	Gnd Floor	N/E	44.4	28.6	9.4	-1.4	N	N
90 91	First Floor	South	66.9	52.0	31.9	22.0	Y	Y	219 221	First Floor	N/E	46.7	31.0	11.7	1.0	N	N
90 91	Gnd Floor	East	61.5	46.6	26.5	16.6	Y	Y	219 221	Gnd Floor	North	41.1	24.5	6.1	-5.5	N	N
90 91	First Floor	East	62.0	47.1	27.0	17.1	Y	Y	219 221	First Floor	North	43.8	27.6	8.8	-2.4	N	N
90 91	Gnd Floor	North	44.2	29.0	9.2	-1.0	N	N	219 221	Gnd Floor	West	43.3	28.2	8.3	-1.8	N	N
90 91	First Floor	North	47.7	32.7	12.7	2.7	N	N	219 221	First Floor	West	45.5	30.4	10.5	0.4	N	N
92	Gnd Floor	S/E	66.0	51.2	31.0	21.2	Y	Y	222 223	Gnd Floor	S/E	43.6	27.8	8.6	-2.2	N	N
92	First Floor	S/E	66.7	51.9	31.7	21.9	Y	Y	222 223	First Floor	S/E	46.2	30.5	11.2	0.5	N	N
92	Gnd Floor	East	60.6	45.8	25.6	15.8	Y	Y	222 223	Gnd Floor	West	43.6	28.5	8.6	-1.5	N	N
92	First Floor	East	61.3	46.4	26.3	16.4	Y	Y	222 223	First Floor	West	46.1	31.0	11.1	1.0	N	N
92	Gnd Floor	North	43.7	28.6	8.7	-1.4	N	N	222 223	Gnd Floor	N/W	42.2	25.6	7.2	-4.4	N	N
92	First Floor	North	47.4	32.4	12.4	2.4	N	N	222 223	First Floor	N/W	44.7	28.4	9.7	-1.6	N	N
92	Gnd Floor	West	43.0	28.1	8.0	-1.9	N	N	222 223	Gnd Floor	North	46.7	30.8	11.7	0.8	N	N
92	First Floor	West	46.9	32.0	11.9	2.0	N	N	222 223	First Floor	North	48.6	32.9	13.6	2.9	N	N
93	Gnd Floor	S/E	65.9	51.1	30.9	21.1	Y	Y	224	Gnd Floor	South	44.0	28.5	9.0	-1.5	N	N
93	First Floor	S/E	66.7	51.8	31.7	21.8	Y	Y	224	First Floor	South	46.5	31.1	11.5	1.1	N	N
93	Gnd Floor	East	62.3	47.4	27.3	17.4	Y	Y	224	Gnd Floor	N/E	51.2	36.1	16.2	6.1	Y	N
93	First Floor	East	62.7	47.9	27.7	17.9	Y	Y	224	First Floor	N/E	52.2	37.1	17.2	7.1	Y	N
93	Gnd Floor	North	43.5	28.4	8.5	-1.6	N	N	224	Gnd Floor	North	41.0	24.5	6.0	-5.5	N	N
93	First Floor	North	47.3	32.2	12.3	2.2	N	N	224	First Floor	North	43.7	27.5	8.7	-2.5	N	N
93	Gnd Floor	West	61.3	46.5	26.3	16.5	Y	Y	224	Gnd Floor	S/W	41.6	26.4	6.6	-3.6	N	N
93	First Floor	West	62.8	47.9	27.8	17.9	Y	Y	224	First Floor	S/W	45.0	29.8	10.0	-0.2	N	N
94	Gnd Floor	North	43.4	28.3	8.4	-1.7	N	N	225	Gnd Floor	South	51.1	36.1	16.1	6.1	Y	N
94	First Floor	North	47.2	32.1	12.2	2.1	N	N	225	First Floor	South	52.9	37.9	17.9	7.9	Y	N
94	Gnd Floor	East	60.5	45.7	25.5	15.7	Y	Y	225	Gnd Floor	N/E	51.1	36.0	16.1	6.0	Y	N
94	First Floor	East	61.0	46.2	26.0	16.2	Y	Y	225	First Floor	N/E	52.5	37.4	17.5	7.4	Y	N
94	Gnd Floor	South	65.3	50.5	30.3	20.5	Y	Y	225	Gnd Floor	North	41.1	24.6	6.1	-5.4	N	N
94	First Floor	South	66.1	51.2	31.1	21.2	Y	Y	225	First Floor	North	43.8	27.7	8.8	-2.3	N	N
94	Gnd Floor	West	60.8	46.0	25.8	16.0	Y	Y	225	Gnd Floor	S/W	42.3	27.2	7.3	-2.8	N	N
94	First Floor	West	62.4	47.5	27.4	17.5	Y	Y	225	First Floor	S/W	45.4	30.3	10.4	0.3	N	N
95	Gnd Floor	East	64.6	49.7	29.6	19.7	Y	Y	226 228	Gnd Floor	West	43.1	27.8	8.1	-2.2	N	N
95	First Floor	East	65.4	50.6	30.4	20.6	Y	Y	226 228	First Floor	West	45.7	30.2	10.7	0.2	N	N
95	Gnd Floor	South	64.2	49.3	29.2	19.3	Y	Y	226 228	Gnd Floor	N/E	43.9	26.2	8.9	-3.8	N	N
95	First Floor	South	65.2	50.3	30.2	20.3	Y	Y	226 228	First Floor	N/E	46.9	29.4	11.9	-0.6	N	N
95	Gnd Floor	S/W	63.5	48.6	28.5	18.6	Y	Y	226 228	Gnd Floor	East	46.7	30.1	11.7	0.1	N	N
95	First Floor	S/W	64.7	49.8	29.7	19.8	Y	Y	226 228	First Floor	East	49.4	32.8	14.4	2.8	N	N
95	Gnd Floor	S/W	63.9	49.1	28.9	19.1	Y	Y	226 228	Gnd Floor	S/E	47.9	31.2	12.9	1.2	N	N
95	First Floor	S/W	64.9	50.1	29.9	20.1	Y	Y	226 228	First Floor	S/E	50.1	33.5	15.1	3.5	Y	N
95	Gnd Floor	West	58.8	43.8	23.8	13.8	Y	N	229	Gnd Floor	West	49.8	34.7	14.8	4.7	N	N
95	First Floor	West	59.7	44.7	24.7	14.7	Y	N	229	First Floor	West	51.2	36.0	16.2	6.0	Y	N
95	Gnd Floor	N/E	53.1	38.2	18.1	8.2	Y	N	229	Gnd Floor	South	50.7	35.3	15.7	5.3	Y	N
95	First Floor	N/E	59.4	44.6	24.4	14.6	Y	N	229	First Floor	South	51.7	36.2	16.7	6.2	Y	N
96	Gnd Floor	West	59.0	44.1	24.0	14.1	Y	N	229	Gnd Floor	East	45.8	29.2	10.8	-0.8	N	N
96	First Floor	West	60.8	45.9	25.8	15.9	Y	Y	229	First Floor	East	48.1	31.6	13.1	1.6	N	N
96	Gnd Floor	South	59.0	44.1	24.0	14.1	Y	N	229	Gnd Floor	North	40.3	23.4	5.3	-6.6	N	N
96	First Floor	South	61.1	46.2	26.1	16.2	Y	Y	229	First Floor	North	43.7	27.0	8.7	-3.0	N	N
96	Gnd Floor	East	45.8	30.8	10.8	0.8	N	N	230	Gnd Floor	West	48.6	33.5	13.6	3.5	N	N
96	First Floor	East	49.3	34.4	14.3	4.4	N	N	230	First Floor	West	50.4	35.2	15.4	5.2	Y	N
96	Gnd Floor	North	49.5	34.3	14.5	4.3	N	N	230	Gnd Floor	South	40.4	23.6	5.4	-6.4	N	N
96	First Floor	North	51.3	36.0	16.3	6.0	Y	N	230	First Floor	South	43.9	27.2	8.9	-2.8	N	N
97	Gnd Floor	East	50.3	35.3	15.3	5.3	Y	N	230	Gnd Floor	East	45.0	28.6	10.0	-1.4	N	N
97	First Floor	East	53.2	38.3	18.2	8.3	Y	N	230	First Floor	East	47.3	30.				

98	Gnd Floor	West	46.0	30.8	11.0	0.8	N	N	232	Gnd Floor	South	43.9	28.4	8.9	-1.6	N	N
98	First Floor	West	48.7	33.6	13.7	3.6	N	N	232	First Floor	South	46.5	30.8	11.5	0.8	N	N
99	Gnd Floor	North	45.5	30.2	10.5	0.2	N	N	232	Gnd Floor	East	42.6	25.6	7.6	-4.4	N	N
99	First Floor	North	48.2	33.0	13.2	3.0	N	N	232	First Floor	East	45.5	28.9	10.5	-1.1	N	N
99	Gnd Floor	East	43.1	28.2	8.1	-1.8	N	N	232	Gnd Floor	North	41.8	24.7	6.8	-5.3	N	N
99	First Floor	East	46.6	31.7	11.6	1.7	N	N	232	First Floor	North	44.9	27.9	9.9	-2.1	N	N
99	Gnd Floor	South	49.5	34.7	14.5	4.7	N	N	233	Gnd Floor	West	44.8	29.1	9.8	-0.9	N	N
99	First Floor	South	53.3	38.4	18.3	8.4	Y	N	233	First Floor	West	47.6	31.9	12.6	1.9	N	N
99	Gnd Floor	West	45.3	30.3	10.3	0.3	N	N	233	Gnd Floor	N/W	39.2	22.5	4.2	-7.5	N	N
99	First Floor	West	49.1	34.1	14.1	4.1	N	N	233	First Floor	N/W	42.6	26.0	7.6	-4.0	N	N
100	Gnd Floor	East	47.6	32.7	12.6	2.7	N	N	233	Gnd Floor	East	42.6	25.4	7.6	-4.6	N	N
100	First Floor	East	51.2	36.3	16.2	6.3	Y	N	233	First Floor	East	45.4	28.5	10.4	-1.5	N	N
100	Gnd Floor	N/W	44.5	29.2	9.5	-0.8	N	N	233	Gnd Floor	South	39.8	24.0	4.8	-6.0	N	N
100	First Floor	N/W	47.2	32.0	12.2	2.0	N	N	233	First Floor	South	43.5	27.7	8.5	-2.3	N	N
100	Gnd Floor	West	44.4	29.5	9.4	-0.5	N	N	234	Gnd Floor	West	46.9	31.3	11.9	1.3	N	N
100	First Floor	West	48.4	33.5	13.4	3.5	N	N	234	First Floor	West	49.5	33.8	14.5	3.8	N	N
100	Gnd Floor	South	49.7	34.8	14.7	4.8	N	N	234	Gnd Floor	South	44.4	29.0	9.4	-1.0	N	N
100	First Floor	South	53.4	38.5	18.4	8.5	Y	N	234	First Floor	South	47.4	31.9	12.4	1.9	N	N
101	Gnd Floor	S/W	46.1	31.2	11.1	1.2	N	N	234	Gnd Floor	East	43.0	25.8	8.0	-4.2	N	N
101	First Floor	S/W	49.0	34.1	14.0	4.1	N	N	234	First Floor	East	46.1	29.2	11.1	-0.8	N	N
101	Gnd Floor	North	45.0	29.7	10.0	-0.3	N	N	234	Gnd Floor	North	38.4	21.7	3.4	-8.3	N	N
101	First Floor	North	47.5	32.3	12.5	2.3	N	N	234	First Floor	North	42.0	25.4	7.0	-4.6	N	N
101	Gnd Floor	East	45.4	30.5	10.4	0.5	N	N	235	Gnd Floor	S/E	43.8	28.0	8.8	-2.0	N	N
101	First Floor	East	49.9	35.0	14.9	5.0	N	N	235	First Floor	S/E	46.4	30.3	11.4	0.3	N	N
101	Gnd Floor	South	49.7	34.8	14.7	4.8	N	N	235	Gnd Floor	N/E	47.3	29.6	12.3	-0.4	N	N
101	First Floor	South	53.4	38.5	18.4	8.5	Y	N	235	First Floor	N/E	49.3	31.7	14.3	1.7	N	N
102	Gnd Floor	North	44.9	29.6	9.9	-0.4	N	N	235	Gnd Floor	N/W	46.7	29.3	11.7	-0.7	N	N
102	First Floor	North	47.4	32.2	12.4	2.2	N	N	235	First Floor	N/W	49.3	31.9	14.3	1.9	N	N
102	Gnd Floor	East	46.6	31.6	11.6	1.6	N	N	235	Gnd Floor	S/W	46.6	31.0	11.6	1.0	N	N
102	First Floor	East	51.4	36.5	16.4	6.5	Y	N	235	First Floor	S/W	49.3	33.6	14.3	3.6	N	N
102	Gnd Floor	South	49.9	35.1	14.9	5.1	N	N	236	Gnd Floor	North	51.1	33.0	16.1	3.0	Y	N
102	First Floor	South	54.3	39.4	19.3	9.4	Y	N	236	First Floor	North	53.3	35.3	18.3	5.3	Y	N
102	Gnd Floor	West	45.0	30.1	10.0	0.1	N	N	236	Gnd Floor	West	45.8	28.5	10.8	-1.5	N	N
102	First Floor	West	49.6	34.7	14.6	4.7	N	N	236	First Floor	West	48.3	31.0	13.3	1.0	N	N
103	Gnd Floor	N/W	43.6	28.3	8.6	-1.7	N	N	236	Gnd Floor	South	42.9	27.4	7.9	-2.6	N	N
103	First Floor	N/W	46.5	31.4	11.5	1.4	N	N	236	First Floor	South	45.5	29.8	10.5	-0.2	N	N
103	Gnd Floor	West	44.0	29.1	9.0	-0.9	N	N	236	Gnd Floor	East	48.4	30.6	13.4	0.6	N	N
103	First Floor	West	47.7	32.7	12.7	2.7	N	N	236	First Floor	East	50.7	32.9	15.7	2.9	Y	N
103	Gnd Floor	South	50.7	35.8	15.7	5.8	Y	N	237	Gnd Floor	South	42.5	26.8	7.5	-3.2	N	N
103	First Floor	South	55.7	40.8	20.7	10.8	Y	N	237	First Floor	South	45.3	29.4	10.3	-0.6	N	N
103	Gnd Floor	East	42.1	27.1	7.1	-2.9	N	N	237	Gnd Floor	East	47.4	29.9	12.4	-0.1	N	N
103	First Floor	East	46.2	31.2	11.2	1.2	N	N	237	First Floor	East	49.7	32.2	14.7	2.2	N	N
104	Gnd Floor	North	44.3	29.0	9.3	-1.0	N	N	237	Gnd Floor	North	51.5	33.3	16.5	3.3	Y	N
104	First Floor	North	47.1	31.9	12.1	1.9	N	N	237	First Floor	North	53.5	35.4	18.5	5.4	Y	N
104	Gnd Floor	West	47.8	32.9	12.8	2.9	N	N	237	Gnd Floor	West	44.4	27.3	9.4	-2.7	N	N
104	First Floor	West	52.7	37.8	17.7	7.8	Y	N	237	First Floor	West	46.6	29.6	11.6	-0.4	N	N
104	Gnd Floor	South	50.7	35.9	15.7	5.9	Y	N	238	Gnd Floor	North	52.2	34.0	17.2	4.0	Y	N
104	First Floor	South	55.8	40.9	20.8	10.9	Y	N	238	First Floor	North	54.5	36.3	19.5	6.3	Y	N
104	Gnd Floor	East	46.6	31.6	11.6	1.6	N	N	238	Gnd Floor	West	43.7	26.9	8.7	-3.1	N	N
104	First Floor	East	51.0	36.1	16.0	6.1	Y	N	238	First Floor	West	46.4	29.6	11.4	-0.4	N	N
105	Gnd Floor	S/E	48.7	33.7	13.7	3.7	N	N	238	Gnd Floor	South	44.1	28.3	9.1	-1.7	N	N
105	First Floor	S/E	50.8	35.8	15.8	5.8	Y	N	238	First Floor	South	46.4	30.5	11.4	0.5	N	N
105	Gnd Floor	East	46.0	31.1	11.0	1.1	N	N	238	Gnd Floor	East	50.1	32.1	15.1	2.1	Y	N
105	First Floor	East	48.8	33.8	13.8	3.8	N	N	238	First Floor	East	52.5	34.5	17.5	4.5	Y	N
105	Gnd Floor	North	40.9	25.5	5.9	-4.5	N	N	239	Gnd Floor	West	42.1	25.8	7.1	-4.2	N	N
105	First Floor	North	44.5	29.3	9.5	-0.7	N	N	239	First Floor	West	44.7	28.3	9.7	-1.7	N	N
105	Gnd Floor	West	45.6	30.7	10.6	0.7	N	N	239	Gnd Floor	N/E	52.7	34.4	17.7	4.4	Y	N
105	First Floor	West	48.4	33.4	13.4	3.4	N	N	239	First Floor	N/E	54.7	36.5	19.7	6.5	Y	N
106	Gnd Floor	North	40.5	25.3	5.5	-4.7	N	N	239	Gnd Floor	East	51.0	33.1	16.0	3.1	Y	N
106	First Floor	North	44.3	29.2	9.3	-0.8	N	N	239	First Floor	East	53.4	35.5	18.4	5.5	Y	N
106	Gnd Floor	East	45.2	30.3	10.2	0.3	N	N	239	Gnd Floor	South	44.5	28.5	9.5	-1.5	N	N
106	First Floor	East	47.8	32.9	12.8	2.9	N	N	239	First Floor	South	47.0	30.9	12.0	0.9	N	N
106	Gnd Floor	South	49.9	34.8	14.9	4.8	N	N	240	Gnd Floor	East	45.9	29.0	10.9	-1.0	N	N
106	First Floor	South	51.6	36.6	16.6	6.6	Y	N	240	First Floor	East	48.9	31.8	13.9	1.8	N	N
106	Gnd Floor	West	48.1	32.9	13.1	2.9	N	N	240	Gnd Floor	South	42.4	25.6	7.4	-4.4	N	N
106	First Floor	West	50.2	35.1	15.2	5.1	Y	N	240	First Floor	South	45.7	29.1	10.7	-0.9	N	N
107	Gnd Floor	North	47.3	32.1	12.3	2.1	N	N	240	Gnd Floor	West	41.7	26.1	6.7	-3.9	N	N
107	First Floor	North	49.2	33.9	14.2	3.9	N	N	240	First Floor	West	44.7	28.9	9.7	-1.1	N	N
107	Gnd Floor	S/W	53.2	38.1	18.2	8.1	Y	N	240	Gnd Floor	North	44.2	26.3	9.2	-3.7	N	N
107	First Floor	S/W	55.1	40.0	20.1	10.0	Y	N	240	First Floor	North	48.0	30.1	13.0	0.1	N	N
107	Gnd Floor	South	51.5	36.3	16.5	6.3	Y	N	241	Gnd Floor	East	45.7	28.9	10.7	-1.1	N	N
107	First Floor	South	52.7	37.6	17.7	7.6	Y	N	241	First Floor	East	48.5	31.6	13.5	1.6	N	N
107	Gnd Floor	East	45.2	30.2	10.2	0.2	N	N	241	Gnd Floor	South	43.4	26.8	8.4	-3.2	N	N
107	First Floor	East	47.7	32.7	12.7	2.7	N	N	241	First Floor	South	46.4	30.0	11.4	0.0	N	N
108	Gnd Floor	West	53.9	38.8	18.9	8.8	Y	N	241	Gnd Floor	West	40.3	24.5	5.3	-5.5	N	N
108	First Floor	West	56.3	41.2	21.3	11.2	Y	N	241	First Floor	West	44.0	28.2	9.0	-1.8	N	N
108	Gnd Floor	North	46.0	30.7	11.0	0.7	N	N	241	Gnd Floor	North	43.0	25.3	8.0	-4.7	N	N
108	First Floor	North	48.2	32.9	13.2	2.9	N	N	241	First Floor	North	46.3	28.7	11.3	-1.3	N	N
108	Gnd Floor	East	43.4	28.3	8.4	-1.7	N	N	242	Gnd Floor	East	45.9	29.4	10.9	-0.6	N	N
108	First Floor	East	46.6	31.5	11.6	1.5	N	N	242	First Floor	East	48.7	32.0	13.7	2.0	N	N
108	Gnd Floor	South	53.0	37.9	18.0	7.9	Y	N	242	Gnd Floor	North	42.6	25.0	7.6	-5.0	N	N
108	First Floor	South	55.3	40.3	20.3	10.3	Y	N	242	First Floor	North	45.8	28.4	10.8	-1.6	N	N
109	Gnd Floor	S/E	52.5	37.4	17.5	7.4	Y	N	242	Gnd Floor	West	41.9	26.4	6.9	-3.6	N	N
109	First Floor	S/E	54.6	39.6	19.6	9.6	Y	N	242	First Floor	West	44.9	29.3	9.9	-0.7	N	N
109	Gnd Floor	West	53.7	38.6	18.7	8.6	Y	N	242	Gnd Floor	South	45.0	28.9	10.0	-1.1	N	N
109	First Floor	West	56.2	41.2	21.2	11.2	Y	N	242	First Floor	South	47.5	31.5	12.5	1.5	N	N
109	Gnd Floor	N/W	45.9	30.5	10.9	0.5	N	N	243	Gnd Floor	North	44.2	26.4	9.2	-3.6	N	N
109	First Floor	N/W	48.3	33.0	13.3	3.0	N	N	243	First Floor	North	48.6	30.7	13.6	0.7	N	N
109	Gnd Floor	East	42.3	27.1	7.3	-2.9	N	N	243	Gnd Floor	S/W	43.0	27.5	8.0	-2.5	N	N
109	First Floor	East	45.6	30.4	10.6	0.4	N	N	243	First Floor	S/W	45.8	30.1	10.8	0.1	N	N
110	Gnd Floor	North	45.1	29.8</													

111	First Floor	North	45.4	30.0	10.4	0.0	N	N	244	First Floor	North	43.0	26.3	8.0	-3.7	N	N
111	Gnd Floor	East	42.4	27.2	7.4	-2.8	N	N	245	Gnd Floor	North	44.9	27.0	9.9	-3.0	N	N
111	First Floor	East	45.4	30.3	10.4	0.3	N	N	245	First Floor	North	49.4	31.5	14.4	1.5	N	N
111	Gnd Floor	South	53.1	37.9	18.1	7.9	Y	N	245	Gnd Floor	S/W	43.0	27.3	8.0	-2.7	N	N
111	First Floor	South	54.8	39.8	19.8	9.8	Y	N	245	First Floor	S/W	45.8	29.9	10.8	-0.1	N	N
112 114	Gnd Floor	N/E	44.1	28.9	9.1	-1.1	N	N	245	Gnd Floor	South	41.7	25.4	6.7	-4.6	N	N
112 114	First Floor	N/E	46.9	31.8	11.9	1.8	N	N	245	First Floor	South	45.2	28.9	10.2	-1.1	N	N
112 114	Gnd Floor	North	41.2	25.7	6.2	-4.3	N	N	245	Gnd Floor	East	47.5	29.7	12.5	-0.3	N	N
112 114	First Floor	North	44.1	28.7	9.1	-1.3	N	N	245	First Floor	East	51.5	33.6	16.5	3.6	Y	N
112 114	Gnd Floor	West	42.6	27.5	7.6	-2.5	N	N	246	Gnd Floor	East	53.5	35.2	18.5	5.2	Y	N
112 114	First Floor	West	46.0	30.9	11.0	0.9	N	N	246	First Floor	East	55.6	37.4	20.6	7.4	Y	N
112 114	Gnd Floor	South	45.5	30.5	10.5	0.5	N	N	246	Gnd Floor	North	54.4	36.1	19.4	6.1	Y	N
112 114	First Floor	South	48.0	33.0	13.0	3.0	N	N	246	First Floor	North	56.4	38.1	21.4	8.1	Y	N
112 114	Gnd Floor	East	42.8	27.8	7.8	-2.2	N	N	246	Gnd Floor	West	45.1	28.2	10.1	-1.8	N	N
112 114	First Floor	East	45.3	30.3	10.3	0.3	N	N	246	First Floor	West	47.1	30.3	12.1	0.3	N	N
115 116	Gnd Floor	West	43.0	28.0	8.0	-2.0	N	N	246	Gnd Floor	South	44.7	28.7	9.7	-1.3	N	N
115 116	First Floor	West	45.5	30.5	10.5	0.5	N	N	246	First Floor	South	47.3	31.1	12.3	1.1	N	N
115 116	Gnd Floor	S/E	46.0	31.0	11.0	1.0	N	N	247	Gnd Floor	West	43.8	26.8	8.8	-3.2	N	N
115 116	First Floor	S/E	49.2	34.2	14.2	4.2	N	N	247	First Floor	West	46.4	29.5	11.4	-0.5	N	N
115 116	Gnd Floor	East	44.3	29.2	9.3	-0.8	N	N	247	Gnd Floor	N/E	55.6	37.2	20.6	7.2	Y	N
115 116	First Floor	East	46.4	31.3	11.4	1.3	N	N	247	First Floor	N/E	57.6	39.2	22.6	9.2	Y	N
115 116	Gnd Floor	North	41.3	25.7	6.3	-4.3	N	N	247	Gnd Floor	East	52.9	34.9	17.9	4.9	Y	N
115 116	First Floor	North	44.2	28.7	9.2	-1.3	N	N	247	First Floor	East	55.4	37.4	20.4	7.4	Y	N
117 120	Gnd Floor	South	45.6	30.5	10.6	0.5	N	N	247	Gnd Floor	South	46.7	30.2	11.7	0.2	N	N
117 120	First Floor	South	48.7	33.7	13.7	3.7	N	N	247	First Floor	South	50.2	33.3	15.2	3.3	Y	N
117 120	Gnd Floor	S/E	44.6	29.5	9.6	-0.5	N	N	248 249	Gnd Floor	N/W	50.8	32.7	15.8	2.7	Y	N
117 120	First Floor	S/E	47.1	32.0	12.1	2.0	N	N	248 249	First Floor	N/W	53.1	35.0	18.1	5.0	Y	N
117 120	Gnd Floor	North	40.2	24.7	5.2	-5.3	N	N	248 249	Gnd Floor	South	46.9	29.7	11.9	-0.3	N	N
117 120	First Floor	North	43.5	28.1	8.5	-1.9	N	N	248 249	First Floor	South	51.9	34.2	16.9	4.2	Y	N
117 120	Gnd Floor	West	44.2	29.1	9.2	-0.9	N	N	248 249	Gnd Floor	S/E	59.1	41.0	24.1	11.0	Y	N
117 120	First Floor	West	47.2	32.1	12.2	2.1	N	N	248 249	First Floor	S/E	61.0	42.8	26.0	12.8	Y	N
121 122	Gnd Floor	South	45.7	30.7	10.7	0.7	N	N	248 249	Gnd Floor	N/E	58.6	40.2	23.6	10.2	Y	N
121 122	First Floor	South	48.8	33.8	13.8	3.8	N	N	248 249	First Floor	N/E	60.6	42.2	25.6	12.2	Y	N
121 122	Gnd Floor	East	44.9	29.8	9.9	-0.2	N	N	250 251	Gnd Floor	South	55.8	37.5	20.8	7.5	Y	N
121 122	First Floor	East	47.5	32.5	12.5	2.5	N	N	250 251	First Floor	South	58.2	39.9	23.2	9.9	Y	N
121 122	Gnd Floor	North	41.3	25.8	6.3	-4.2	N	N	250 251	Gnd Floor	East	60.1	42.0	25.1	12.0	Y	N
121 122	First Floor	North	44.9	29.6	9.9	-0.4	N	N	250 251	First Floor	East	61.7	43.5	26.7	13.5	Y	N
121 122	Gnd Floor	West	44.6	29.6	9.6	-0.4	N	N	250 251	Gnd Floor	North	55.9	37.5	20.9	7.5	Y	N
121 122	First Floor	West	47.9	32.8	12.9	2.8	N	N	250 251	First Floor	North	58.1	39.7	23.1	9.7	Y	N
123	Gnd Floor	S/E	50.5	35.6	15.5	5.6	Y	N	250 251	Gnd Floor	West	44.4	28.5	9.4	-1.5	N	N
123	First Floor	S/E	53.4	38.5	18.4	8.5	Y	N	250 251	First Floor	West	46.6	30.5	11.6	0.5	N	N
123	Gnd Floor	East	50.2	35.3	15.2	5.3	Y	N	252 253	Gnd Floor	South	54.3	36.1	19.3	6.1	Y	N
123	First Floor	East	53.6	38.7	18.6	8.7	Y	N	252 253	First Floor	South	58.0	39.8	23.0	9.8	Y	N
123	Gnd Floor	N/W	41.0	25.6	6.0	-4.4	N	N	252 253	Gnd Floor	East	59.9	41.6	24.9	11.6	Y	N
123	First Floor	N/W	44.5	29.3	9.5	-0.7	N	N	252 253	First Floor	East	61.7	43.4	26.7	13.4	Y	N
123	Gnd Floor	West	46.9	32.0	11.9	2.0	N	N	252 253	Gnd Floor	North	54.8	36.4	19.8	6.4	Y	N
123	First Floor	West	49.6	34.7	14.6	4.7	N	N	252 253	First Floor	North	56.7	38.3	21.7	8.3	Y	N
124	Gnd Floor	South	49.0	34.0	14.0	4.0	N	N	252 253	Gnd Floor	West	45.2	29.5	10.2	-0.5	N	N
124	First Floor	South	51.7	36.8	16.7	6.8	Y	N	252 253	First Floor	West	47.7	31.8	12.7	1.8	N	N
124	Gnd Floor	West	46.1	31.2	11.1	1.2	N	N	254 255	Gnd Floor	S/W	46.6	31.0	11.6	1.0	N	N
124	First Floor	West	49.2	34.3	14.2	4.3	N	N	254 255	First Floor	S/W	49.6	33.9	14.6	3.9	N	N
124	Gnd Floor	North	40.6	25.4	5.6	-4.6	N	N	254 255	Gnd Floor	North	51.6	33.3	16.6	3.3	Y	N
124	First Floor	North	44.4	29.3	9.4	-0.7	N	N	254 255	First Floor	North	58.3	39.9	23.3	9.9	Y	N
124	Gnd Floor	East	46.6	31.7	11.6	1.7	N	N	254 255	Gnd Floor	N/E	60.3	41.9	25.3	11.9	Y	N
124	First Floor	East	49.7	34.8	14.7	4.8	N	N	254 255	First Floor	N/E	62.0	43.7	27.0	13.7	Y	N
125	Gnd Floor	N/W	41.2	26.0	6.2	-4.0	N	N	254 255	Gnd Floor	S/E	58.4	40.2	23.4	10.2	Y	N
125	First Floor	N/W	44.8	29.6	9.8	-0.4	N	N	254 255	First Floor	S/E	60.1	41.9	25.1	11.9	Y	N
125	Gnd Floor	West	45.4	30.4	10.4	0.4	N	N	256 257	Gnd Floor	West	43.2	27.5	8.2	-2.5	N	N
125	First Floor	West	48.3	33.4	13.3	3.4	N	N	256 257	First Floor	West	46.2	30.3	11.2	0.3	N	N
125	Gnd Floor	South	48.4	33.4	13.4	3.4	N	N	256 257	Gnd Floor	South	53.7	36.2	18.7	6.2	Y	N
125	First Floor	South	50.7	35.7	15.7	5.7	Y	N	256 257	First Floor	South	55.4	38.1	20.4	8.1	Y	N
125	Gnd Floor	East	46.1	31.2	11.1	1.2	N	N	256 257	Gnd Floor	East	52.9	35.3	17.9	5.3	Y	N
125	First Floor	East	49.1	34.2	14.1	4.2	N	N	256 257	First Floor	East	55.8	38.1	20.8	8.1	Y	N
126 129	Gnd Floor	North	40.9	25.4	5.9	-4.6	N	N	256 257	Gnd Floor	North	45.6	27.7	10.6	-2.3	N	N
126 129	First Floor	North	44.2	28.9	9.2	-1.1	N	N	256 257	First Floor	North	53.8	35.5	18.8	5.5	Y	N
126 129	Gnd Floor	S/W	44.5	29.5	9.5	-0.5	N	N	258 260	Gnd Floor	East	47.0	30.3	12.0	0.3	N	N
126 129	First Floor	S/W	47.2	32.3	12.2	2.3	N	N	258 260	First Floor	East	50.3	33.5	15.3	3.5	Y	N
126 129	Gnd Floor	South	45.5	30.5	10.5	0.5	N	N	258 260	Gnd Floor	N/W	45.8	27.8	10.8	-2.2	N	N
126 129	First Floor	South	48.6	33.7	13.6	3.7	N	N	258 260	First Floor	N/W	49.5	31.6	14.5	1.6	N	N
126 129	Gnd Floor	East	45.5	30.5	10.5	0.5	N	N	258 260	Gnd Floor	West	43.2	27.7	8.2	-2.3	N	N
126 129	First Floor	East	48.3	33.3	13.3	3.3	N	N	258 260	First Floor	West	46.2	30.5	11.2	0.5	N	N
130 131	Gnd Floor	South	45.0	30.0	10.0	0.0	N	N	258 260	Gnd Floor	S/W	49.9	32.8	14.9	2.8	N	N
130 131	First Floor	South	47.8	32.8	12.8	2.8	N	N	258 260	First Floor	S/W	52.3	35.2	17.3	5.2	Y	N
130 131	Gnd Floor	West	43.8	28.8	8.8	-1.2	N	N	261	Gnd Floor	S/W	46.8	31.2	11.8	1.2	N	N
130 131	First Floor	West	46.3	31.2	11.3	1.2	N	N	261	First Floor	S/W	51.5	36.0	16.5	6.0	Y	N
130 131	Gnd Floor	North	40.4	24.8	5.4	-5.2	N	N	261	Gnd Floor	South	60.8	43.8	25.8	13.8	Y	N
130 131	First Floor	North	43.6	28.2	8.6	-1.8	N	N	261	First Floor	South	61.4	44.5	26.4	14.5	Y	N
130 131	Gnd Floor	East	44.5	29.4	9.5	-0.6	N	N	261	Gnd Floor	East	62.6	45.1	27.6	15.1	Y	Y
130 131	First Floor	East	46.9	31.8	11.9	1.8	N	N	261	First Floor	East	63.8	46.2	28.8	16.2	Y	Y
132 133	Gnd Floor	East	43.7	28.6	8.7	-1.4	N	N	261	Gnd Floor	North	57.5	39.1	22.5	9.1	Y	N
132 133	First Floor	East	45.9	30.9	10.9	0.9	N	N	261	First Floor	North	59.7	41.3	24.7	11.3	Y	N
132 133	Gnd Floor	South	45.6	30.6	10.6	0.6	N	N	262	Gnd Floor	West	44.3	27.9	9.3	-2.1	N	N
132 133	First Floor	South	47.9	32.9	12.9	2.9	N	N	262	First Floor	West	48.6	31.9	13.6	1.9	N	N
132 133	Gnd Floor	West	43.2	28.2	8.2	-1.8	N	N	262	Gnd Floor	North	58.3	39.9	23.3	9.9	Y	N
132 133	First Floor	West	45.8	30.8	10.8	0.8	N	N	262	First Floor	North	60.5	42.1	25.5	12.1	Y	N
132 133	Gnd Floor	N/W	40.9	25.3	5.9	-4.7	N	N	262	Gnd Floor	East	62.6	44.9	27.6	14.9	Y	N
132 133	First Floor	N/W	43.8	28.4	8.8	-1.6	N	N	262	First Floor	East	64.0	46.2	29.0			

137	139	First Floor	S/E	47.6	32.6	12.6	2.6	N	N	266	First Floor	West	45.6	29.9	10.6	-0.1	N	N
137	139	Gnd Floor	S/W	44.4	29.4	9.4	-0.6	N	N	266	Gnd Floor	North	49.3	31.1	14.3	1.1	N	N
137	139	First Floor	S/W	46.9	31.9	11.9	1.9	N	N	266	First Floor	North	51.1	33.1	16.1	3.1	Y	N
140	Gnd Floor	South	45.8	30.8	10.8	0.8	N	N	266	Gnd Floor	East	47.0	30.5	12.0	0.5	N	N	
140	First Floor	South	48.7	33.7	13.7	3.7	N	N	266	First Floor	East	49.6	33.1	14.6	3.1	N	N	
140	Gnd Floor	N/E	45.4	30.3	10.4	0.3	N	N	267	Gnd Floor	South	47.3	31.9	12.3	1.9	N	N	
140	First Floor	N/E	48.4	33.4	13.4	3.4	N	N	267	First Floor	South	51.2	35.8	16.2	5.8	Y	N	
140	Gnd Floor	North	40.7	25.2	5.7	-4.8	N	N	267	Gnd Floor	West	45.0	29.8	10.0	-0.2	N	N	
140	First Floor	North	44.1	28.8	9.1	-1.2	N	N	267	First Floor	West	48.7	33.5	13.7	3.5	N	N	
140	Gnd Floor	S/W	44.6	29.7	9.6	-0.3	N	N	267	Gnd Floor	North	48.0	29.9	13.0	-0.1	N	N	
140	First Floor	S/W	47.4	32.4	12.4	2.4	N	N	267	First Floor	North	49.9	32.0	14.9	2.0	N	N	
141	Gnd Floor	S/E	48.3	33.2	13.3	3.2	N	N	267	Gnd Floor	East	44.5	28.3	9.5	-1.7	N	N	
141	First Floor	S/E	49.8	34.7	14.8	4.7	N	N	267	First Floor	East	47.7	31.5	12.7	1.5	N	N	
141	Gnd Floor	East	45.6	30.5	10.6	0.5	N	N	268	Gnd Floor	South	45.9	30.5	10.9	0.5	N	N	
141	First Floor	East	47.5	32.4	12.5	2.4	N	N	268	First Floor	South	49.3	33.9	14.3	3.9	N	N	
141	Gnd Floor	N/W	40.5	24.6	5.5	-5.4	N	N	268	Gnd Floor	West	43.0	27.7	8.0	-2.3	N	N	
141	First Floor	N/W	43.6	28.1	8.6	-1.9	N	N	268	First Floor	West	46.7	31.4	11.7	1.4	N	N	
141	Gnd Floor	West	45.5	30.6	10.5	0.6	N	N	268	Gnd Floor	North	46.8	28.9	11.8	-1.1	N	N	
141	First Floor	West	47.4	32.4	12.4	2.4	N	N	268	First Floor	North	48.6	30.9	13.6	0.9	N	N	
142	Gnd Floor	South	48.3	33.2	13.3	3.2	N	N	268	Gnd Floor	East	44.7	28.7	9.7	-1.3	N	N	
142	First Floor	South	49.8	34.7	14.8	4.7	N	N	268	First Floor	East	47.8	31.9	12.8	1.9	N	N	
142	Gnd Floor	East	46.0	31.0	11.0	1.0	N	N	269	Gnd Floor	West	51.2	36.2	16.2	6.2	Y	N	
142	First Floor	East	47.7	32.7	12.7	2.7	N	N	269	First Floor	West	52.3	37.3	17.3	7.3	Y	N	
142	Gnd Floor	North	40.4	24.8	5.4	-5.2	N	N	269	Gnd Floor	North	45.9	28.2	10.9	-1.8	N	N	
142	First Floor	North	43.7	28.2	8.7	-1.8	N	N	269	First Floor	North	47.7	30.3	12.7	0.3	N	N	
142	Gnd Floor	West	44.9	30.0	9.9	0.0	N	N	269	Gnd Floor	East	46.8	31.3	11.8	1.3	N	N	
142	First Floor	West	47.0	32.0	12.0	2.0	N	N	269	First Floor	East	48.5	32.8	13.5	2.8	N	N	
143	Gnd Floor	North	40.4	24.9	5.4	-5.1	N	N	269	Gnd Floor	South	51.6	36.6	16.6	6.6	Y	N	
143	First Floor	North	43.9	28.6	8.9	-1.4	N	N	269	First Floor	South	53.1	38.1	18.1	8.1	Y	N	
143	Gnd Floor	N/E	44.9	29.9	9.9	-0.1	N	N	270	Gnd Floor	S/W	52.5	37.6	17.5	7.6	Y	N	
143	First Floor	N/E	47.1	32.0	12.1	2.0	N	N	270	First Floor	S/W	54.0	39.1	19.0	9.1	Y	N	
143	Gnd Floor	S/E	48.1	33.0	13.1	3.0	N	N	270	Gnd Floor	S/E	52.6	37.7	17.6	7.7	Y	N	
143	First Floor	S/E	49.7	34.7	14.7	4.7	N	N	270	First Floor	S/E	54.3	39.3	19.3	9.3	Y	N	
143	Gnd Floor	S/W	46.2	31.3	11.2	1.3	N	N	270	Gnd Floor	N/E	43.8	27.2	8.8	-2.8	N	N	
143	First Floor	S/W	48.3	33.4	13.3	3.4	N	N	270	First Floor	N/E	46.8	30.4	11.8	0.4	N	N	
144	Gnd Floor	South	48.2	33.1	13.2	3.1	N	N	270	Gnd Floor	N/W	41.9	25.6	6.9	-4.4	N	N	
144	First Floor	South	50.3	35.3	15.3	5.3	Y	N	270	First Floor	N/W	44.9	28.6	9.9	-1.4	N	N	
144	Gnd Floor	S/W	45.9	30.9	10.9	0.9	N	N	271	Gnd Floor	S/W	53.0	38.1	18.0	8.1	Y	N	
144	First Floor	S/W	48.4	33.5	13.4	3.5	N	N	271	First Floor	S/W	54.3	39.3	19.3	9.3	Y	N	
144	Gnd Floor	N/W	41.2	26.0	6.2	-4.0	N	N	271	Gnd Floor	S/E	53.6	38.6	18.6	8.6	Y	N	
144	First Floor	N/W	44.8	29.7	9.8	-0.3	N	N	271	First Floor	S/E	54.7	39.7	19.7	9.7	Y	N	
144	Gnd Floor	N/E	45.1	29.7	10.1	-0.3	N	N	271	Gnd Floor	N/E	44.7	28.2	9.7	-1.8	N	N	
144	First Floor	N/E	47.0	31.8	12.0	1.8	N	N	271	First Floor	N/E	47.3	31.1	12.3	1.1	N	N	
145	Gnd Floor	S/E	48.9	34.0	13.9	4.0	N	N	271	Gnd Floor	N/W	41.7	25.5	6.7	-4.5	N	N	
145	First Floor	S/E	51.3	36.4	16.3	6.4	Y	N	271	First Floor	N/W	44.7	28.7	9.7	-1.3	N	N	
145	Gnd Floor	East	47.2	32.2	12.2	2.2	N	N	272	274	Gnd Floor	East	46.1	30.4	11.1	0.4	N	N
145	First Floor	East	49.4	34.4	14.4	4.4	N	N	272	274	First Floor	East	48.8	32.9	13.8	2.9	N	N
145	Gnd Floor	North	40.4	25.1	5.4	-4.9	N	N	272	274	Gnd Floor	South	47.1	31.6	12.1	1.6	N	N
145	First Floor	North	44.1	28.9	9.1	-1.1	N	N	272	274	First Floor	South	49.4	33.9	14.4	3.9	N	N
145	Gnd Floor	West	46.3	31.4	11.3	1.4	N	N	272	274	Gnd Floor	West	49.8	34.9	14.8	4.9	N	N
145	First Floor	West	49.1	34.2	14.1	4.2	N	N	272	274	First Floor	West	51.7	36.7	16.7	6.7	Y	N
146	Gnd Floor	South	51.1	36.2	16.1	6.2	Y	N	272	274	Gnd Floor	North	43.8	26.5	8.8	-3.5	N	N
146	First Floor	South	54.0	39.1	19.0	9.1	Y	N	272	274	First Floor	North	47.1	29.9	12.1	-0.1	N	N
146	Gnd Floor	S/W	49.9	35.1	14.9	5.1	N	N	275	276	Gnd Floor	West	44.1	28.8	9.1	-1.2	N	N
146	First Floor	S/W	53.5	38.6	18.5	8.6	Y	N	275	276	First Floor	West	47.0	31.5	12.0	1.5	N	N
146	Gnd Floor	North	41.1	25.9	6.1	-4.1	N	N	275	276	Gnd Floor	South	47.2	31.7	12.2	1.7	N	N
146	First Floor	North	44.7	29.5	9.7	-0.5	N	N	275	276	First Floor	South	49.7	34.1	14.7	4.1	N	N
146	Gnd Floor	N/E	46.8	31.8	11.8	1.8	N	N	275	276	Gnd Floor	East	45.9	30.2	10.9	0.2	N	N
146	First Floor	N/E	49.3	34.3	14.3	4.3	N	N	275	276	First Floor	East	48.9	32.9	13.9	2.9	N	N
147	Gnd Floor	S/E	45.8	30.9	10.8	0.9	N	N	275	276	Gnd Floor	North	45.5	27.8	10.5	-2.2	N	N
147	First Floor	S/E	48.7	33.7	13.7	3.7	N	N	275	276	First Floor	North	49.1	31.5	14.1	1.5	N	N
147	Gnd Floor	West	47.3	32.4	12.3	2.4	N	N	277	Gnd Floor	North	48.2	30.2	13.2	0.2	N	N	
147	First Floor	West	50.9	36.0	15.9	6.0	Y	N	277	First Floor	North	53.5	35.4	18.5	5.4	Y	N	
147	Gnd Floor	N/W	40.6	25.2	5.6	-4.8	N	N	277	Gnd Floor	East	55.4	37.1	20.4	7.1	Y	N	
147	First Floor	N/W	44.1	28.8	9.1	-1.2	N	N	277	First Floor	East	56.5	38.4	21.5	8.4	Y	N	
147	Gnd Floor	East	44.6	29.5	9.6	-0.5	N	N	277	Gnd Floor	South	46.6	31.1	11.6	1.1	N	N	
147	First Floor	East	47.3	32.3	12.3	2.3	N	N	277	First Floor	South	49.6	33.9	14.6	3.9	N	N	
148	Gnd Floor	West	45.7	30.8	10.7	0.8	N	N	277	Gnd Floor	West	45.0	29.7	10.0	-0.3	N	N	
148	First Floor	West	49.0	34.1	14.0	4.1	N	N	277	First Floor	West	48.1	32.7	13.1	2.7	N	N	
148	Gnd Floor	North	40.0	24.6	5.0	-5.4	N	N	278	279	Gnd Floor	South	45.0	29.4	10.0	-0.6	N	N
148	First Floor	North	43.6	28.3	8.6	-1.7	N	N	278	279	First Floor	South	48.0	32.4	13.0	2.4	N	N
148	Gnd Floor	East	43.6	28.4	8.6	-1.6	N	N	278	279	Gnd Floor	N/E	47.0	31.0	12.0	1.0	N	N
148	First Floor	East	46.7	31.6	11.7	1.6	N	N	278	279	First Floor	N/E	49.6	33.6	14.6	3.6	N	N
148	Gnd Floor	South	43.9	28.9	8.9	-1.1	N	N	278	279	Gnd Floor	North	43.6	26.5	8.6	-3.5	N	N
148	First Floor	South	47.2	32.2	12.2	2.2	N	N	278	279	First Floor	North	46.3	29.5	11.3	-0.5	N	N
149	Gnd Floor	West	43.7	28.7	8.7	-1.3	N	N	278	279	Gnd Floor	West	53.2	38.3	18.2	8.3	Y	N
149	First Floor	West	46.3	31.3	11.3	1.3	N	N	278	279	First Floor	West	54.1	39.2	19.1	9.2	Y	N
149	Gnd Floor	N/W	40.3	24.7	5.3	-5.3	N	N	280	282	Gnd Floor	North	43.2	26.3	8.2	-3.7	N	N
149	First Floor	N/W	43.6	28.1	8.6	-1.9	N	N	280	282	First Floor	North	46.0	29.5	11.0	-0.5	N	N
149	Gnd Floor	East	43.6	28.3	8.6	-1.7	N	N	280	282	Gnd Floor	S/E	48.6	32.9	13.6	2.9	N	N
149	First Floor	East	46.3	31.1	11.3	1.1	N	N	280	282	First Floor	S/E	52.3	36.7	17.3	6.7	Y	N
149	Gnd Floor	South	42.1	27.1	7.1	-2.9	N	N	280	282	Gnd Floor	South	54.3	38.9	19.3	8.9	Y	N
149	First Floor	South	45.6	30.6	10.6	0.6	N	N	280	282	First Floor	South	55.6	40.3	20.6	10.3	Y	N
150	Gnd Floor	West	46.1	31.2	11.1	1.2	N	N	280	282	Gnd Floor	S/W	54.1	39.2	19.1	9.2	Y	N
150	First Floor	West	49.2	34.2	14.2	4.2	N	N	280	282	First Floor	S/W	55.2	40.3	20.2	10.3	Y	N
150	Gnd Floor	North	40.6	24.9	5.6	-5.1	N	N	283	285	Gnd Floor	West	45.5	30.4	10.5	0.4	N	N
150	First Floor	North	43.6	28.1	8.6	-1.9	N	N	283	285	First Floor	West	48.3	33.0	13.3	3.0	N	N
150	Gnd Floor	East	43.0	27.8	8.0	-2.2	N	N	283	285	Gnd Floor	South	54.1	38.1	19.1	8.1	Y	N
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Phlorum Limited

Head Office & Registered Office:

Unit 12

Hunns Mere Way

Woodingdean

Brighton

East Sussex

BN2 6AH

Northern Office:

Ground Floor

Adamson House

Towers Business Park

Wilmslow Road

Didsbury

Manchester

M20 2YY

Western Office:

One Caspian Point

Pierhead Street

Cardiff Bay

Cardiff

CF10 4DQ