

Our ref: G:2591D/5.1-004/L.LARSEN/S.Coltra

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Ms Heavey

Development Control Planning Services
London Borough of Camden
Town Hall
Argyle Street
London WC1H 8ND

Attn: **Ms Heavey**
By: **Post**

RECEIVED 17 OCT 2008

Re: **Re: Ramsay Hall Phase Two; 20 Maple Street, London WC 1T 5HB**
Additional Bedrooms and Wheelchair Access.
Application No. 2008/1897/P

16 October 2008

Dear Ms Heavey

Further to your E-mail of 6 Oct.08 and our telephone conversation on 8 Oct.08 we enclose the requested daylight study for the proposed bed rooms in the Paris Block.

Yours sincerely



Leif Larsen
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cc: C.Horsecroft

Enc:

2591D/13.6/LL

**UCL RAMSAY HALL 20 MAPLE STREET LONDON WC1T 5HB
PHASE TWO; ADDITIONAL BEDROOMS AND RAMP
DAYLIGHT STUDY
OCTOBER 2008**

0 GENERAL

- 0.1 In connection with Planning Application No.2008/1897/P the Planning Dept at London Borough of Camden on 6 Oct.08 requested a daylight study.
- 0.2 The Planners confirmed on 8 Oct.08 that the study only was required for the proposed bedrooms in the Paris Block, as there already were bedrooms in the basement of the Rome Block.
- 0.3 The bedrooms are intended for student accommodation during term times and as temporary accommodation for conferences etc outside term time.
- 0.4 The study has been carried out using the guide lines in BRE's report 'Site layout planning for daylight and sunlight. A guide to good practice" by P J Littlefair of 1991 (which supersedes the old 'Sunlight and Daylight. Planning Criteria and Design of Buildings' from the Department of Environment of 1971).
- 0.5 See attached drawings 2591D/SK 338-339 for the diagrams.

1 PARIS BLOCK; GENERAL

- 1.1 Only one bedroom (number 3) has been analysed for the following reasons:
 - bedrooms 2, 3, 4 and 5 are all in the same situation with regard to the buildings opposite
 - bedroom 1 will have more daylight, as its window faces down Maple Street
- 1.2 The back of the room containing the entrance, a wardrobe and a vanity unit is excluded from the calculations, when setting the depth of the room.
- 1.3 The following dimensions apply to bedrooms 2-5:
 - depth: 3700 mm
 - width: 2250 mm
 - ceiling height: 2500 mm
 - window height: 1800 mm
 - window net glazed area: 1.35 sqm
- 1.4 The rooms will be light coloured and an Average Reflection Value (R or Rb) of 0.5 has been used in the calculations in line with the recommendations of the Guide.
- 1.5 A Diffuse Visible Transmission (T) for the glass of 0.8 has been used in the calculations in line with the recommendations in the Guide.

2 25 DEGREE ANGLE

- 2.1 The six-seven storey high buildings on the opposite side of Maple Street subtend the recommended 25 degree line (see Diagram C) and it becomes necessary to consider the Vertical Sky Component (see 3)

3 VERTICAL SKY COMPONENT (VSC)

- 3.1 Using the Skylight Indicator in the Guide (see Diagram A) the VSC becomes 10%.

Note: The recommended minimum is 27%, but the height of the opposite buildings means that even the ground floor bedrooms only have a VSC of 15.5% (see Diagram B)

4 INTERIOR DAYLIGHTING; AVERAGE DAYLIGHT FACTOR (df)

- 4.1 The buildings opposite sit in two planes with angles of visible sky varying from 25 to 35 degrees; an average of 30 degrees has been used in the calculation (see Diagram D)
- 4.2 The df for rooms 2-5 has been calculated as approx 0.70%.

Note: The recommended minimum is 2%, but the height of the opposite buildings means that even the ground floor bedrooms only have a df of 1.02% (see Diagram E)

Note: To obtain 2% for a basement room the angle of visible sky will need to be 64 degrees, which require a single storey building opposite (see Diagram D)

5 INTERIOR DAYLIGHTING; ROOM DEPTH

- 5.1 The sums of the ratios between depth and width / height is found to be 3.7, i.e better than the maximum of 4.0 stated in the Guide (p.59)

6 NO-SKY LINE

- 6.1 Diagram F shows that between 80 and 95% of the room area will be beyond the No-Sky Line.

7 CONCLUSION

- 7.1 While the basement bedrooms do not meet the targets set in the Guide, the same is found to be the case with the existing ground floor rooms; due to the tall buildings opposite in Maple Street.

CLIENT UNIV. COLLEGE LONDON	LEVITT BERNSTEIN ASSOCIATES LIMITED Architects • Masterplanners • Landscape Architects • Interior Designers 1 KINGSLAND PASSAGE, LONDON E8 2BB Tel: 020 7275 7676 Fax: 020 7275 9348 e-mail: lba@compuserve.com	GENERAL NOTES 1. Do not scale from this drawing 2. All dimensions must be checked on site and any discrepancies verified with the architect 3. Unless shown otherwise, all dimensions are to structural surfaces	
JOB TITLE RAMSAY HL - REFURS. PHASE 2	SCALE DIFF.	DATE OCT-2008	DRAWING NO. 25910 / SK338
DRAWING DAYLIGHT STUDY - PLAN A+B	DRAWN LL	CHECKED	REVISIONS

