

APPENDIX A

Site layout analysis for daylight and sunlight

For development of the mews house
at 16 Daleham Mews, NW3

18/12/07

INTRODUCTION

"People expect good natural lighting in their homes and in a wide range of non-domestic building. Daylight makes an interior look more attractive and interesting as well as providing light to work or read by. Access to skylight and sunlight helps to make a building energy-efficient; effective day lighting will reduce the need for electric light, while winter solar gain can meet some of the heating requirements." (BRE, Site layout planning for daylight and sunlight)

LIGHT FROM THE SKY

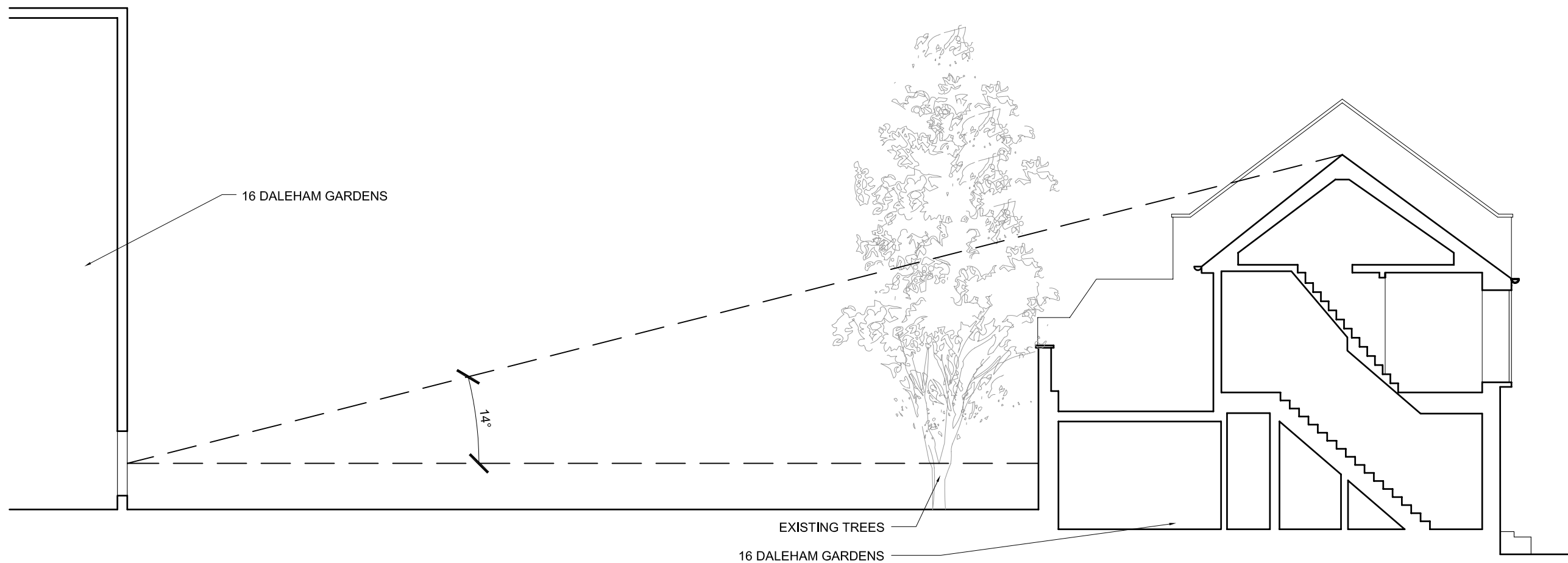
See Drawing 16DM/S701 and P701

The relationship between the size and the distance of existing/proposed buildings in relation to a window are the elements that need to be taken in consideration when we want to calculate the amount of light reaching interior spaces through existing and proposed openings.

At present the dense lime trees between the two properties are obscuring the rear openings of 16 Daleham gardens. The new elements of the proposed development will sit behind these trees therefore will not increase the shadowing over the property at 16 Daleham Gardens.

Also ignoring the presence of the above-mentioned trees we achieve a positive result. Measuring the angle to the horizontal subtended by the new development at the level of the centre of the lowest window this angle is 14 degrees as existing and 16 in the proposed development. This result is far lower than the threshold indicated in the BRE standards for daylight and sunlight. In this case, there is no negative effect due to the new trellis.

End.



16 DALEHAM MEWS
LONDON NW3

DAYLIGHT ANALYSIS:
EXISTING

DWG No.: 16DM/S701

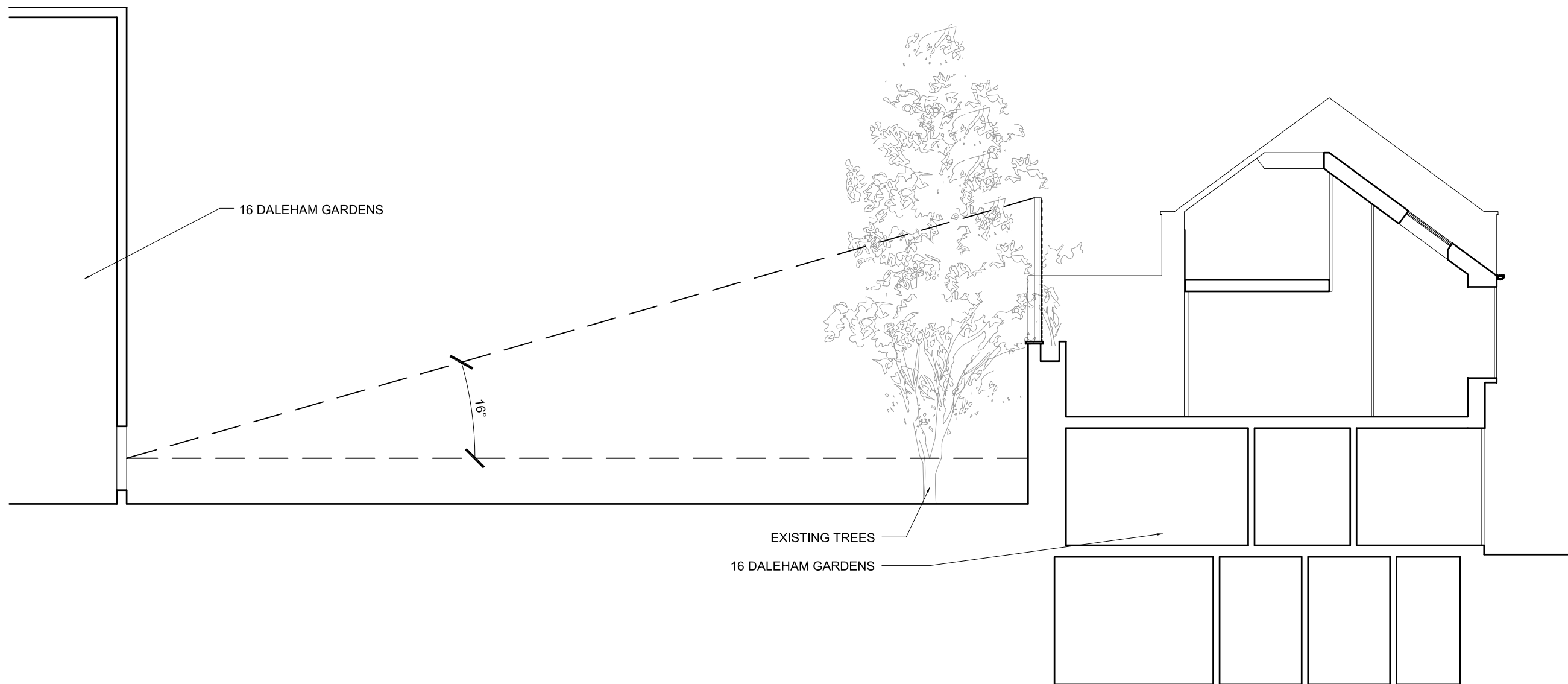
SCALE: 1 : 100

DATE: DECEMBER 2007

belsize
architects

© COPYRIGHT
NOT TO BE REPRODUCED OR USED
WITHOUT PERMISSION

48 PARKHILL ROAD LONDON NW3 2YP
TEL 020 7482 4420 FAX 020 7482 4186
EMAIL: MAIL@BELSIZEARCHITECTS.COM



16 DALEHAM MEWS
LONDON NW3

DAYLIGHT ANALYSIS:
PROPOSED

DWG No.: 16DM/P701

SCALE: 1 : 100

DATE: DECEMBER 2007

belsize
architects

© COPYRIGHT
NOT TO BE REPRODUCED OR USED
WITHOUT PERMISSION

48 PARKHILL ROAD LONDON NW3 2YP
TEL 020 7482 4420 FAX 020 7482 4186
EMAIL: MAIL@BELSIZEARCHITECTS.COM