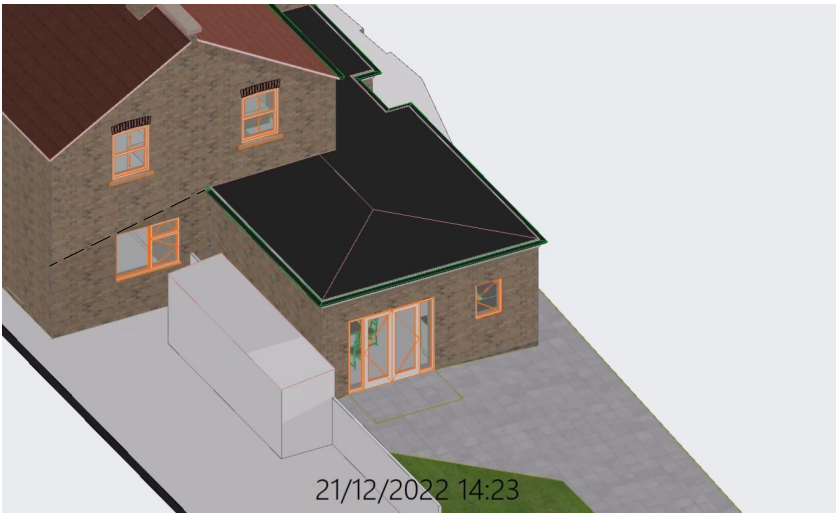


Winter solstice (21st December)



1 Winter solstice 14:20 GMT
Sun reaches rear (western) facade of property and neighbour with neighbouring (kitchen) window in shadow of proposed extension from this time, 2.20pm

Spring/Autumn equinox (21st March/October)



3 March/October equinox 14:00 GMT
Sun reaches gable end and proposed extension casts a partial shadow across neighbouring window from 2pm approximately

Summer solstice (21st June)



5 Summer solstice 13:50 GMT
Sun reaches gable end and proposed extension casts a partial shadow across the lower corner of the neighbouring window from 1.50pm approximately



2 Winter solstice sunset 15:45 GMT
Shadow from proposed extension remains across neighbouring window until sunset at 3.45pm



4 March/October equinox 16:45 GMT
Shadow remains until sunset, with existing neighbouring outbuilding over-shadowing window too

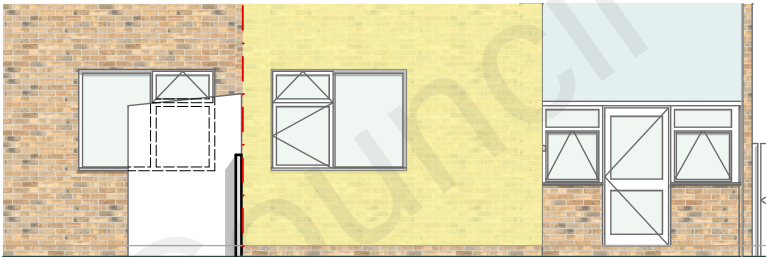


6 Summer solstice 17:30 GMT
Shadow leaves neighbouring window completely by 5.30pm before existing neighbouring outbuilding overshadows the window until sunset.

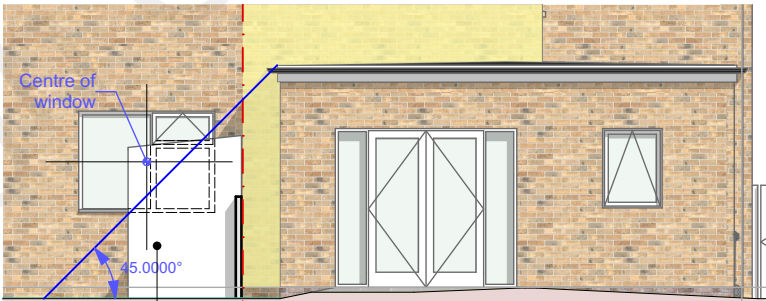
These images are based on a geo-located and orientated model of the property. They have been generated from sun-path study 'movies' on the key astronomical dates of the year and indicate the times of when the proposed extension casts a shadow which reaches or leaves the neighbouring rear ground floor window (serving a kitchen).

The property forms part of a pair of semi-detached three storey houses on the western side of Darnley Road, Gravesend, in line with other similar houses. Darnley Road is roughly aligned NNE and as such the rear elevations are generally in shadow until the afternoon. The proposed single storey extension therefore has no potential for overshadowing its neighbour (no. 122) until the afternoon.

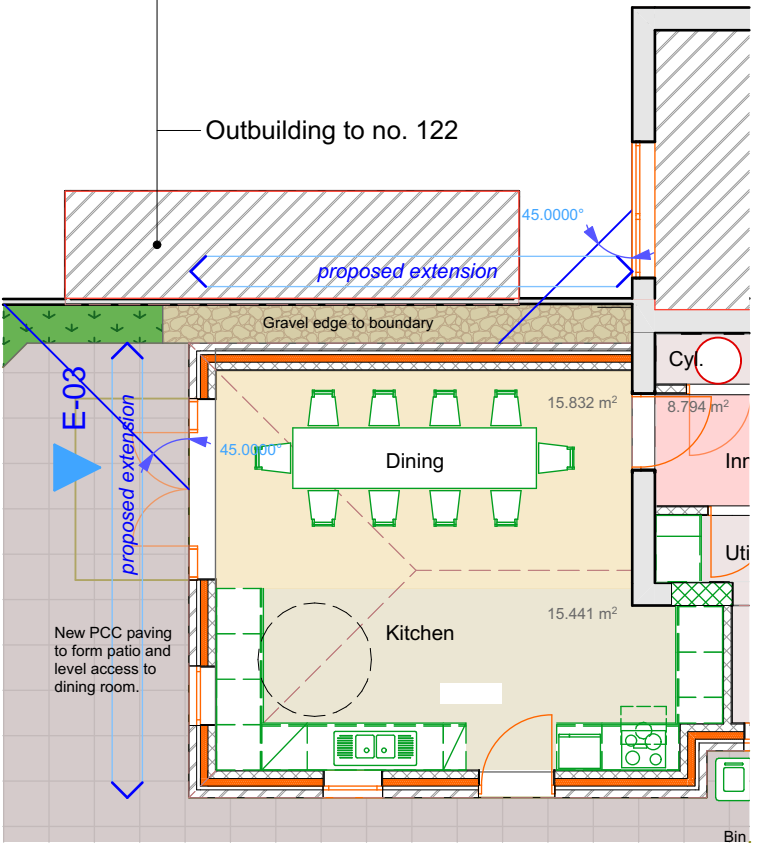
NOTE - no account has been made for neighbouring properties or the trees to rear which could cause overshadowing.



8 Existing (part) rear (west) Elevation 1:100



9 Proposed (part) rear (west) Elevation 1:100



7 Proposed site plan (part) 1:100



Safety Health and Environmental Information

Construction Risks

Maintenance/cleaning Risks

Demolition/adaptation Risks

In addition to the hazard/risks normally associated with the types of work detailed on this drawing take note of the above. It is assumed that all works on this drawing will be carried out by a competent contractor working, where appropriate, to an appropriate method statement.

Right-to-light diagrams

The adjacent extracts show the requisite 45deg angles on plan and elevation showing an imposition on plan only. Please note the neighbouring property features a small outbuilding/store tight on the boundary which has some impact as shown on the sun path studies.

Rev	Change	By	Date
01	generally revised following Pre-App meeting		28/10/2022
02	scale bar and north point added		15/12/2022

This drawing has been produced for the Client, Project and Site as stated and is not intended for use by any other person or for any other purpose than that stated and is the Copyright of the Architect. **If in doubt ASK.**

Ensen Design
Architecture - Interiors - Graphics

Project:
Proposed Extensions and Alterations to 124 Darnley Road, Gravesend DA11 0SN

Client: DCJS Property Limited

Drawing:
Sun path studies and light diagrams

Drawing no.: 1237RS/PA/0403 **Rev.:** 02

Purpose: Planning

Scale: 1:3.20, 1:100 @A3
Date: 15/12/2022

Note: If this drawing is printed/reduced at 50% of original paper size, scales are half that than stated.