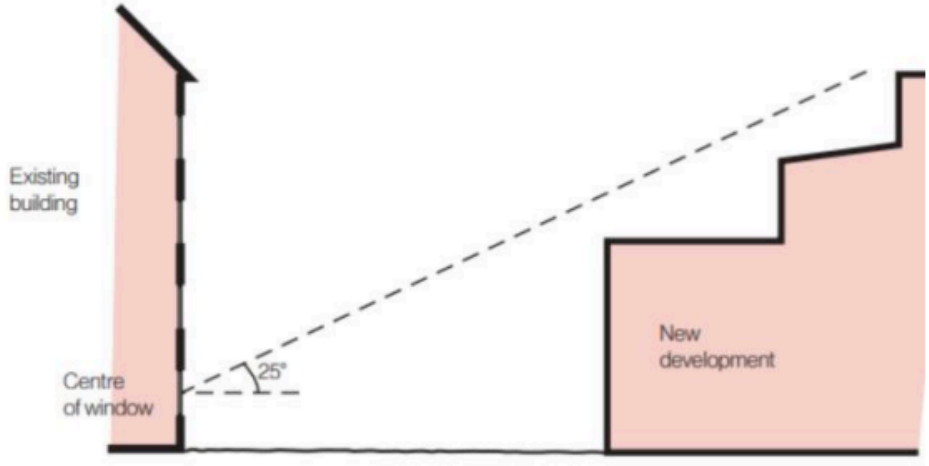
Lighting - 25 degree test

Using method described here..

https://syntegragroup.com/2018/10/daylight-assessments-25degree-rule-for-planning-applications/



Easterly facing kitchen diner window

Measurements

Centre of the main kitchen window is 153cm high from the ground

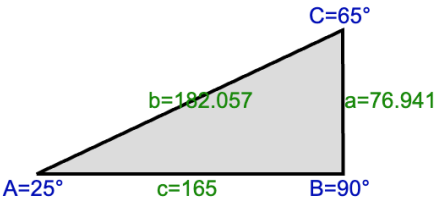
Distance from the centre of the window to the new wall - 165cm

Calculations

Right Scalene Triangle

Side a = 76.94076
Side b = 182.05736
Side c = 165

Angle ∠A = 25° = 0.43633 rad
Angle ∠B = 90° = 1.5708 rad = π/2
Angle ∠C = 65° = 1.13446 rad



153 cm + 77 cm = 230 cm

230 cm high or lower is the approximate height of a wall that would not contradict the rule.

Proposed boundary wall at 284 cm - ***54 cm over*** what rule suggests

The highest part shown on the structure

Northerly facing kitchen diner window

Centre of the main window is 152 cm high from the ground

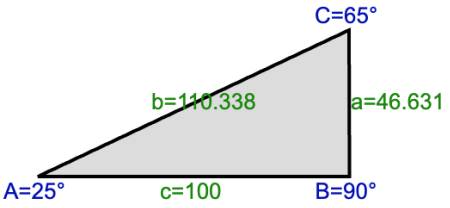
Distance from the centre of the window to the new wall - 100 cm

Calculations

Right Scalene Triangle

Side a = 46.63077
Side b = 110.33779
Side c = 100

Angle ∠A = 25° = 0.43633 rad
Angle ∠B = 90° = 1.5708 rad = π/2
Angle ∠C = 65° = 1.13446 rad



152 + 47 = 199 cm

199 cm or higher is the approximate height of a wall that would not contradict the rule.

Proposed boundary wall at 284 cm - **85 cm over** what the rule suggests