DIXON HURST
CONSULTING CIVIL & STRUCTURAL ENGINEERS

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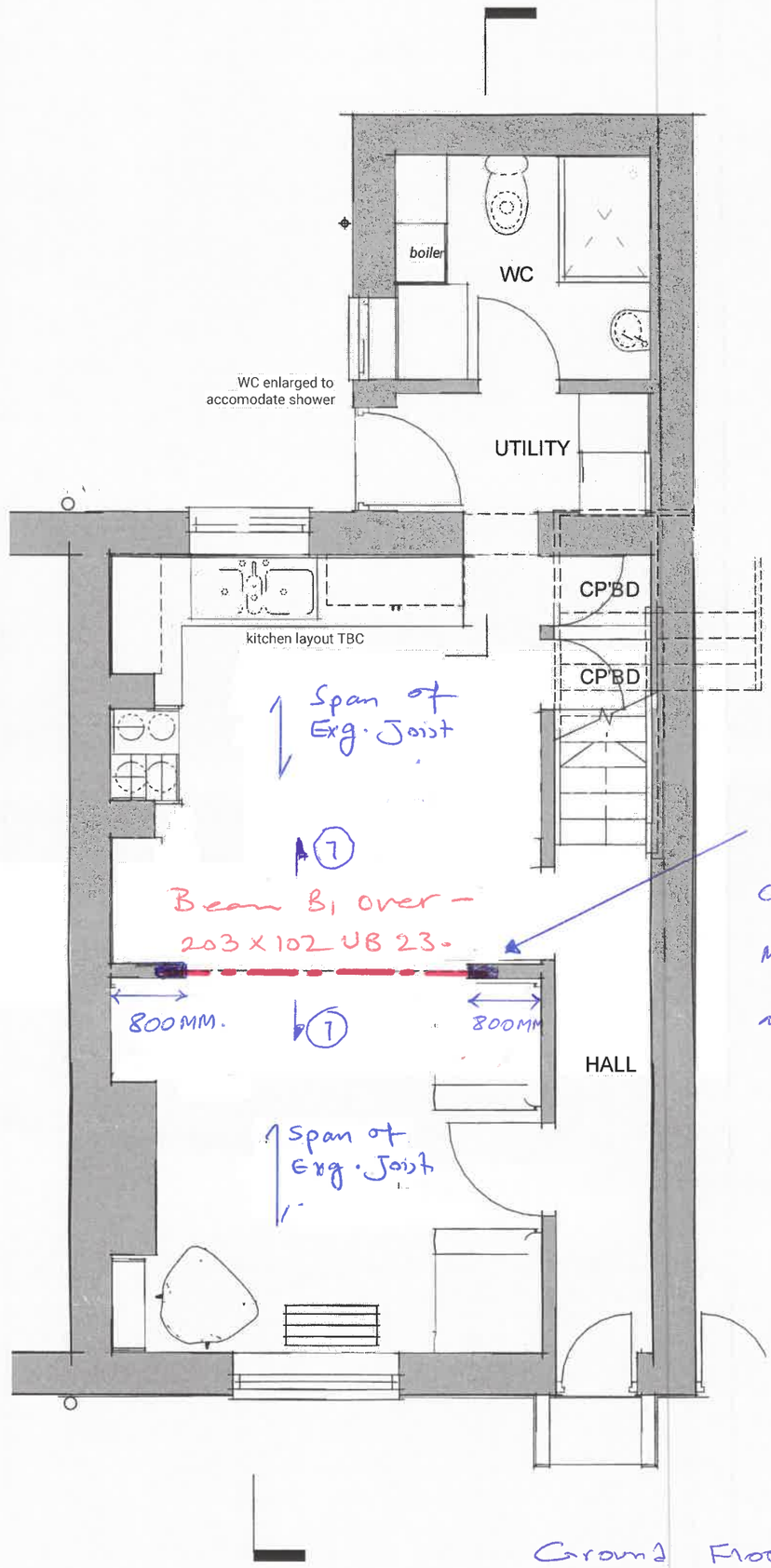
STRUCTURAL CALCULATIONS

FOR

5 WARWICK PLACE

WORTHING

Date: OCT. 2024
Project No: 63226



Ground Floor Plan.

Scale 1:50.

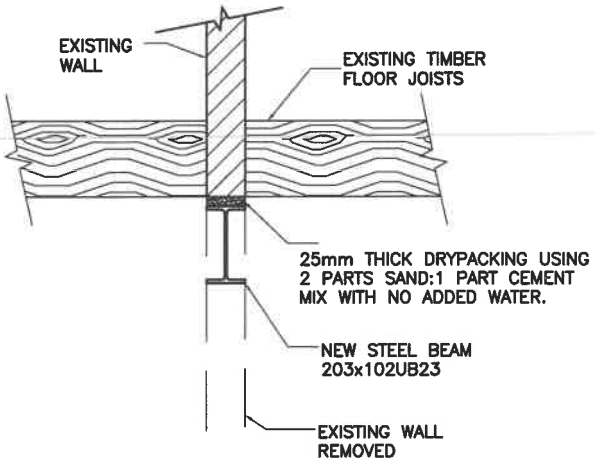
Proposed Ground Floor Plan
1:50

Job NO: 63326

Sheet NO: 01.

Date: Oct. 2024

[redacted]



SECTION 1–1

Scale 1:20

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Job Title			Item		
5 WARWICK PLACE,WORTHING.			SECTIONS.		
Designed by	Date	Checked by	Job No.	Sheet	Rev.
MK	OCT 2024		63326	02	

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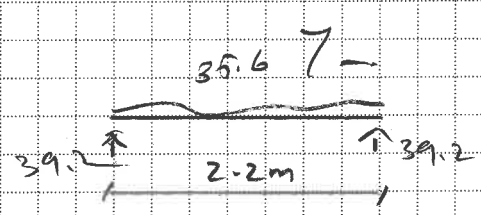
Job Title			Item		
5 warwick Place.			B— B1 —		
Designed by	Date	Checked by	Job No.	Sheet	Rev.
MK.	Oct. 24.		63326.	03	

Dwg span: 2.2m.



loading:

D4 4

floor joist: 2x 1/2 (5.8) (0.5 + 1.5) = 2.9 + 8.7

wall above: 0.5 x 2.5 = 6.25

" : 2.5 x 0.4 = 1.0

Roof 1/2 (5.8) (0.85 + 0.75) = 2.5 + 2.2

B— C 0.3

SL = 12.95 + 10.9

= 23.85

ult: 1.4 (12.95) + 1.6 (10.9) = 35.6

m = 35.6 x 2.2² / 8 = 21.5

le = 2.7m

203 x 102 UB 23

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Job Title 5 Warwick Place.			Item		
Designed by MK.	Date	Checked by	Job No. 63326	Sheet 04	Rev.

$R_1 = R_2 = 39.2$ kN.

Pedestal:

$39.2 \times 10^3 / 1.5 = 26102$ —

330 x 100 x 150 — THK

Mass concrete

Pedestal