

Structural Calculation
for timber lintol
span 1.7m

loads	tiles	0.58
	felt/bt	0.05
	joists	0.10
		0.70
	imposed	0.75
		1.45 k _v /m ²
	ceiling	0.10
	joists	0.15
	insul	0.03
		0.28 k _v /m ²

loads
roof $1.45 \times \frac{1.2}{2} = 0.87$
ceiling $0.28 \times \frac{8}{8} = 0.11$
 0.98 k/m/m

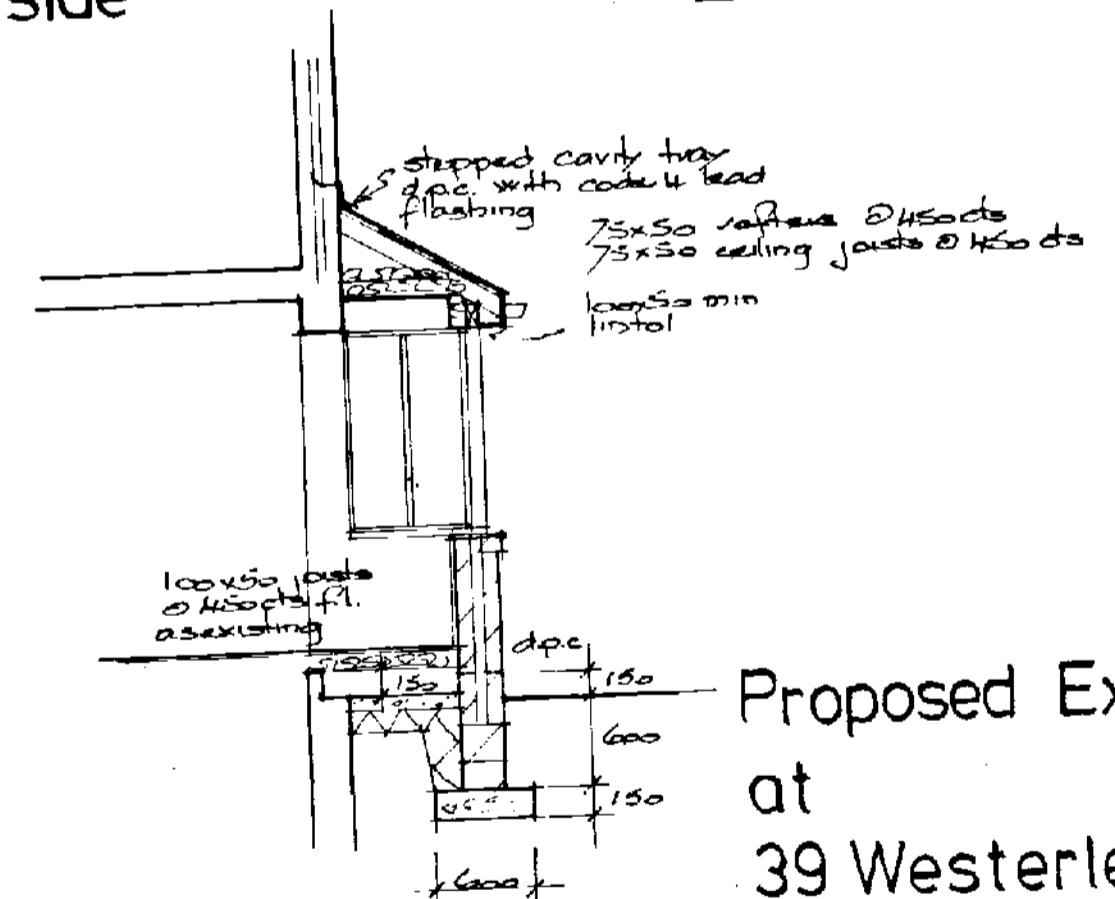
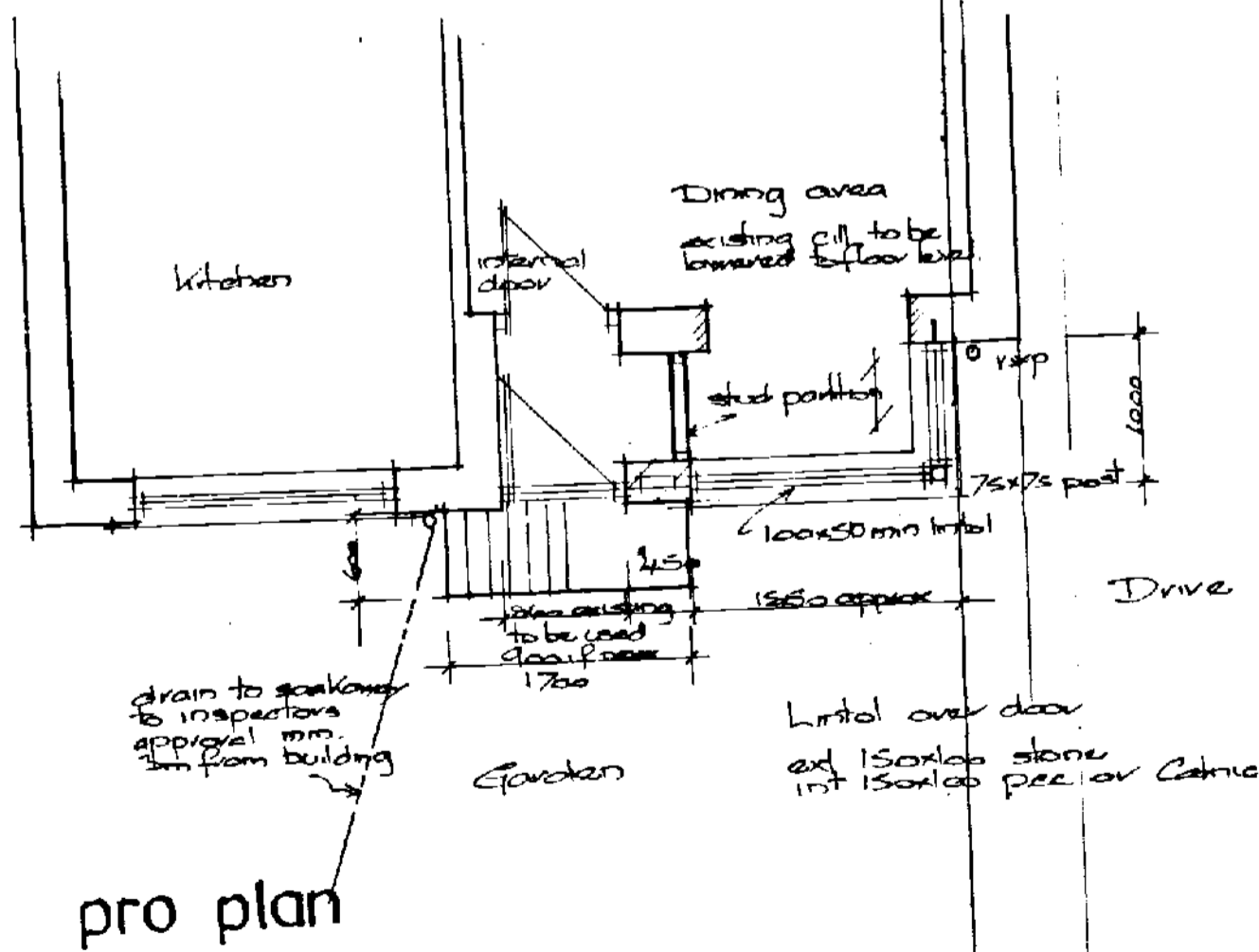
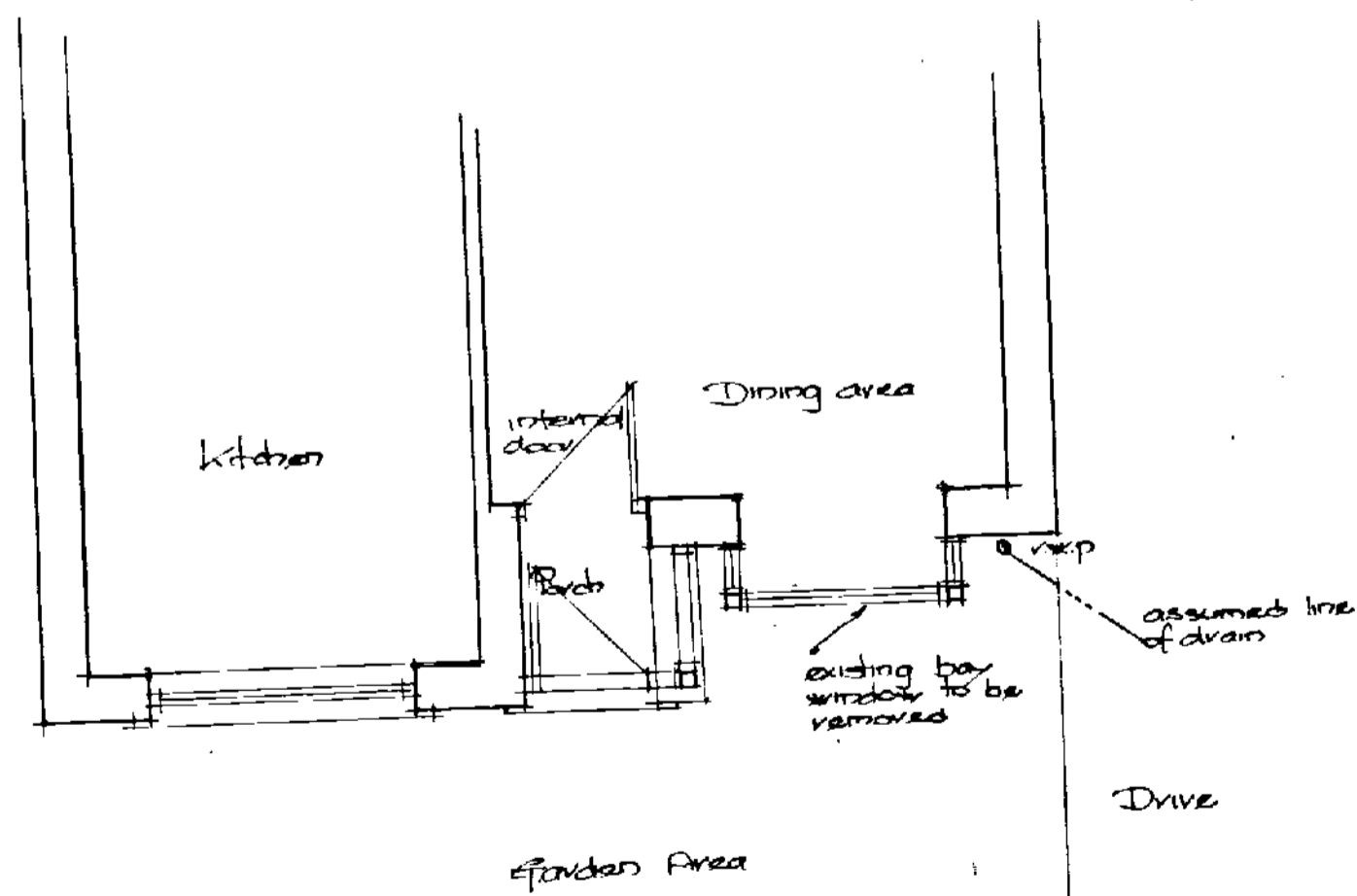
softwood f_{perp} = 5.3
b.s.d = $\sqrt{\frac{100 \times 0.98 \times 1.7^3}{50 \times 5.3 \times 8}}$
= 89
∴ use 100x50 lintol

New window to be installed by approved contractor (first floor windows to have operas as a means of escape)

ex front

pro front

pro side

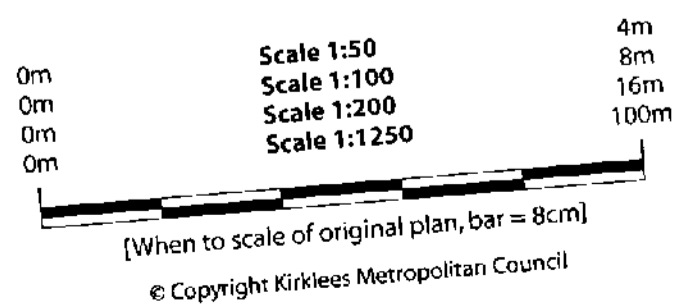


Proposed Extension
at
39 Westerley Lane
Shelley Huddersfield
john elliot FRICS.
chartered building surveyor

ex plan

pro plan

section



20 Pickles Lane
Skelmanthorpe Huddersfield
HD8 9ET 01484 864622

1:50 sept 13
13/D/45/1.