

56 HILLWAY
 HOLLY LODGE
 LONDON N6

NEW REAR EXTENSION AND ALTERATIONS for

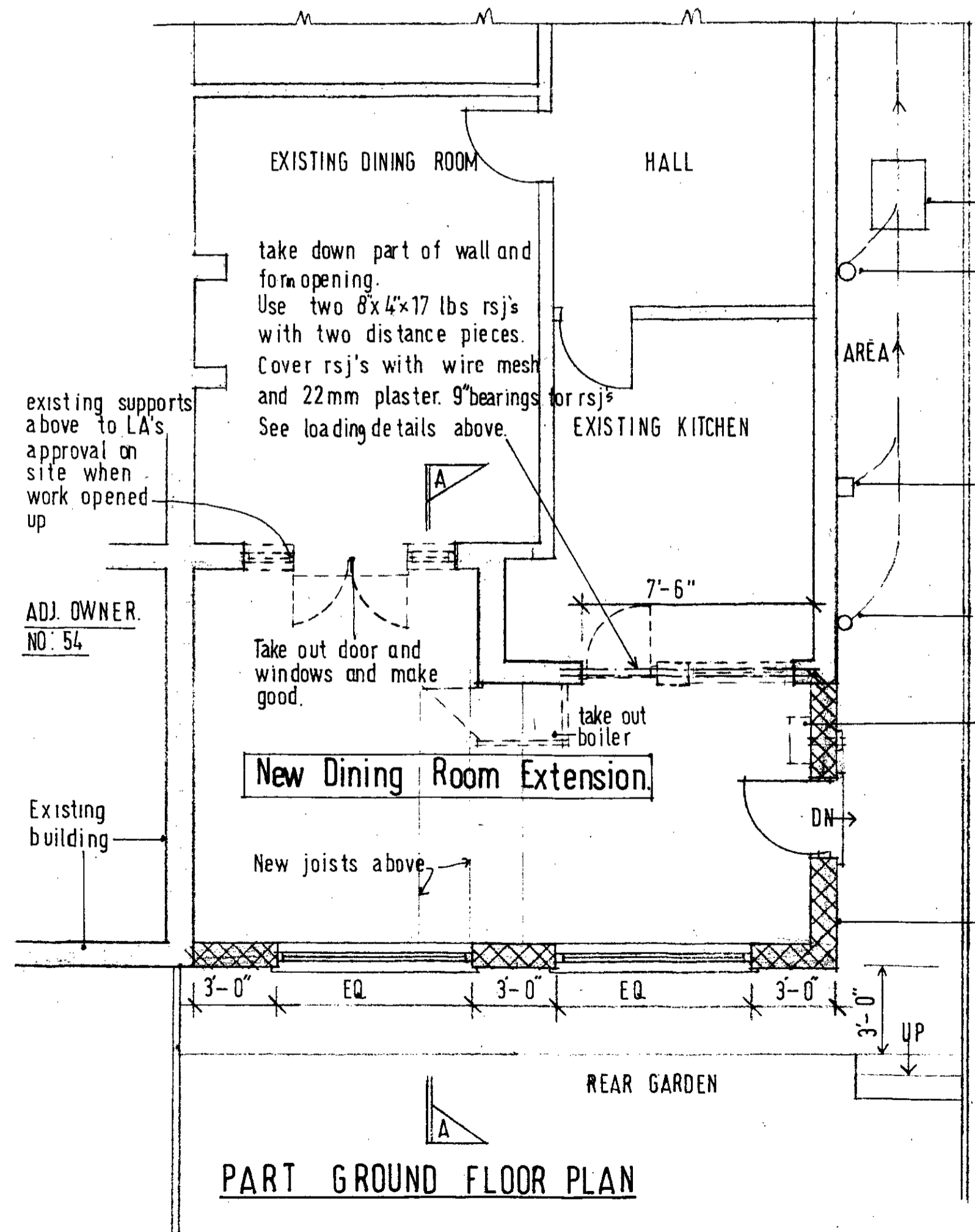
Mr Z.Safa

DATE: 30.3.1986

SCALE: 1:50

DRAWING NO: EE-4004

TP 86 00737



LOADING DETAILS FOR NEW RSJ's

brick wall above: 125 lbs cu ft.
 7-6x 10'-0" x .75 = 56.25
 56.25 x 125 = 7031 lbs
 existing floor and new roof: 50 lbs sq ft
 area: 7-6x 11'-0" = 82.5
 82.5 x 50 = 4125 lbs
 main roof: 50 lbs sq ft
 area: 7-6x 10' = 75
 75 x 50 = 3750 lbs

self weight etc of rsj's = 50 lbs ft run
 50 x 9 = 450 lbs

$W = \frac{7031 + 4125 + 3750 + 450}{2240} = 6.85 \text{ Tons}$

Selected size = TWO 8x4x17 lbs rsj's
 This size rsj's can take safe loading of 24.2 TONS over the span of 8'-0"

ADJ. OWNER
 NO: 58

New wall mounted balance flue gas boiler with two 9x4 air bricks around boiler.
 All to comply to gas regs.

NEW WALLS
 9" thermalite 'turbo' blocks rendered externally to BS 5262
 New walls well bonded into existing.

'U'-Value of Coolag Purldek.

WARM DECK ROOF.

	m ² °c/w
Total surface resistance	0.150
BUR/Mastic asphalt waterproofing	0.060
50mm purldek	2.318
Low emissivity joist cavity	0.350
1/2" plasterboard	0.079
Total	2.957

$U \text{ value} = \frac{1}{2.957} = 0.34 \text{ W/m}^2 \text{ °c}$

