HEAT LOSS CALCS FOR TRADE OFF

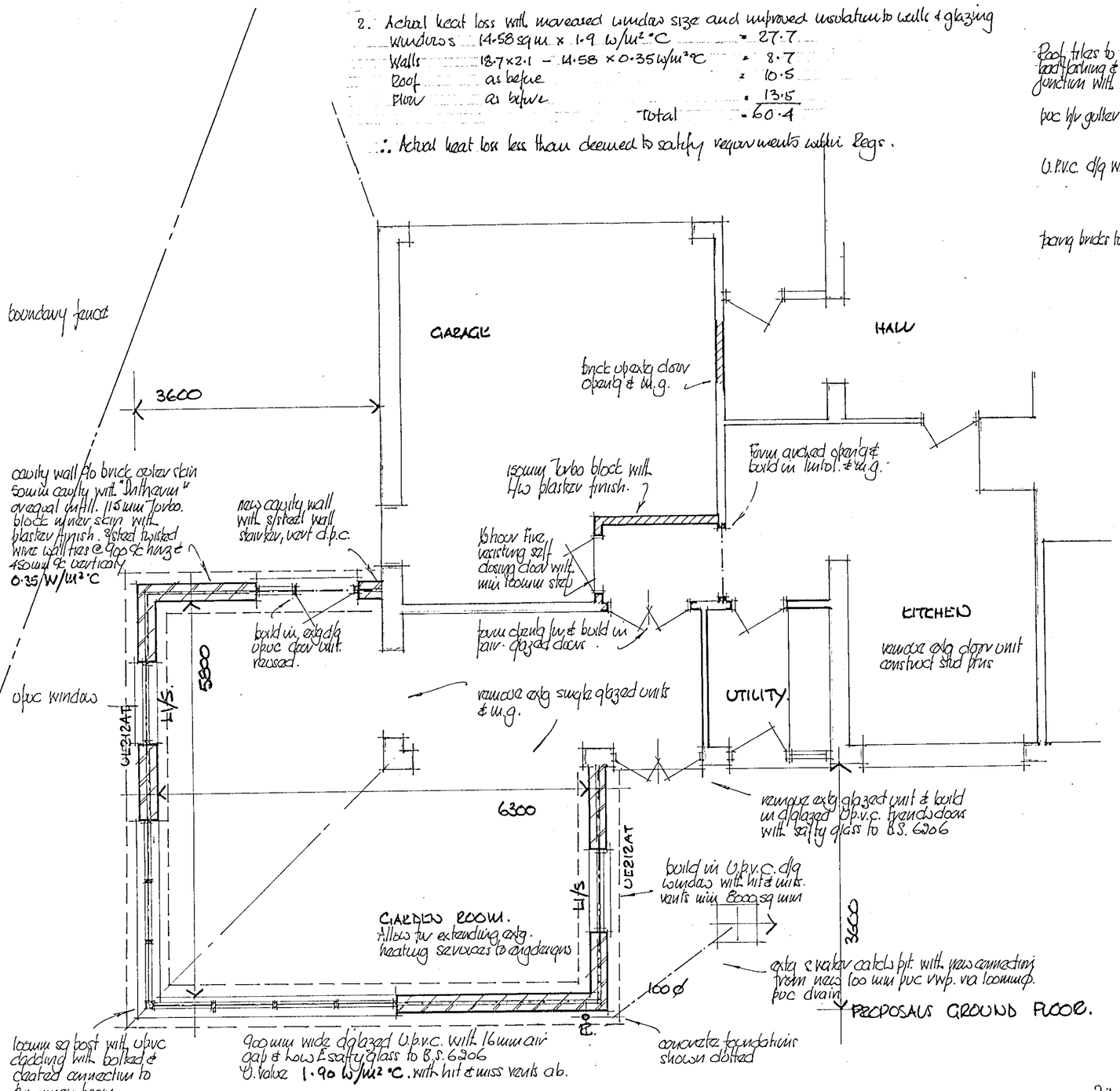
1. As permitted with standard insulation values with windows at 22.5% = 6.75 sq m

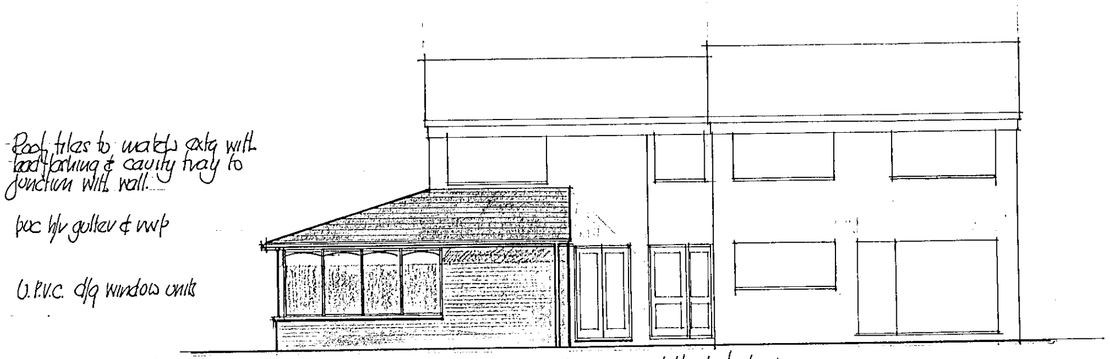
Window	6.75 × 3.3 w/m²°C	=	22.3.
Wall	18.7 × 2.1 − 6.75 × 0.45	=	14.7
Roof	30 × 0.35 w/m²°C	=	10.5
Floor	30 × 0.45	=	13.5
	total		61.0

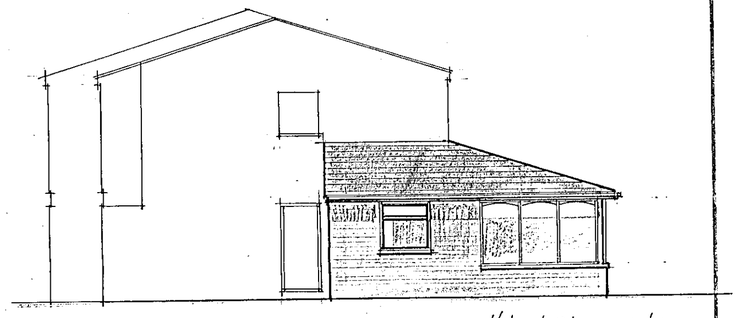
2. Actual heat loss with increased window size and improved insulation to walls & glazing

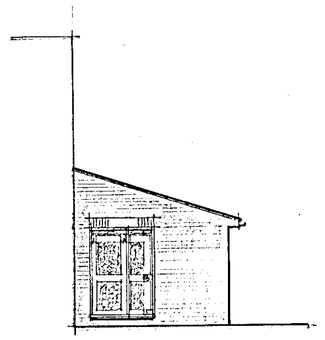
Windows	14.58 sq m × 1.9 w/m²°C	=	27.7
Walls	18.7 × 2.1 − 14.58 × 0.35 w/m²°C	=	8.7
Roof	as before	=	10.5
Floor	as before	=	13.5
	Total	=	60.4

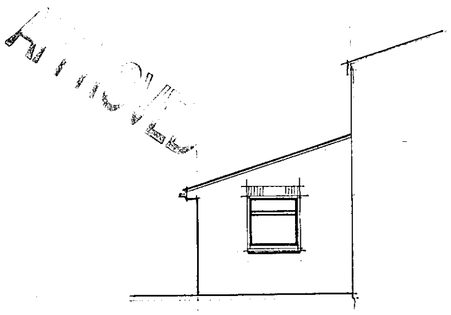
∴ Actual heat loss less than deemed to satisfy requirements within Regs.











21. DEC. 2000 * 3074

57 WOLVERLEY DRIVE CROWTHORNE
PROPOSED GARDEN ROOM EXTENSION
DWG NO: W/03600/01 SCALE 1:50 & 1:100 DEC'00

-0 27/2/01

HEAT LOSS CALCS FOR TRADE OFF

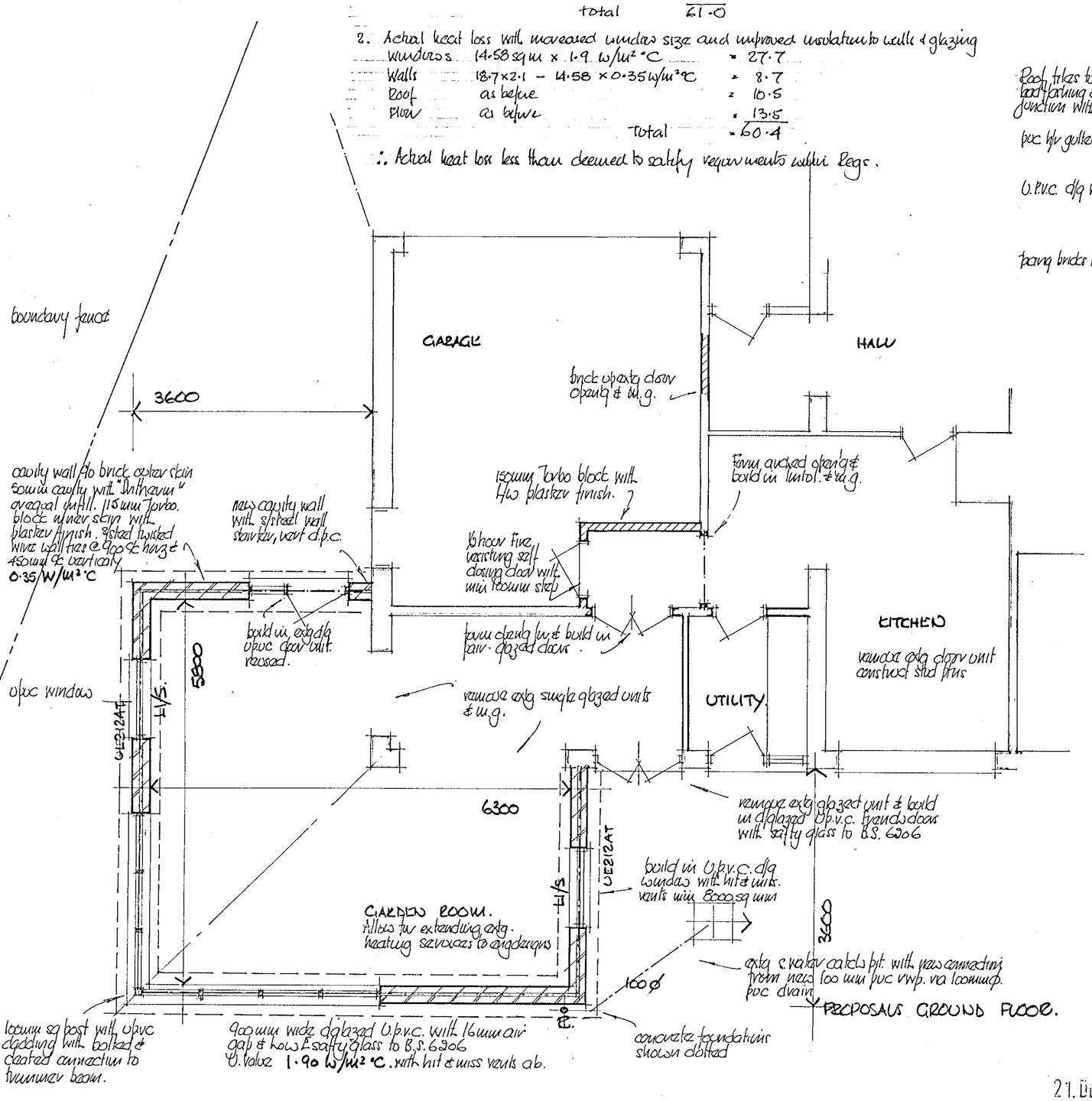
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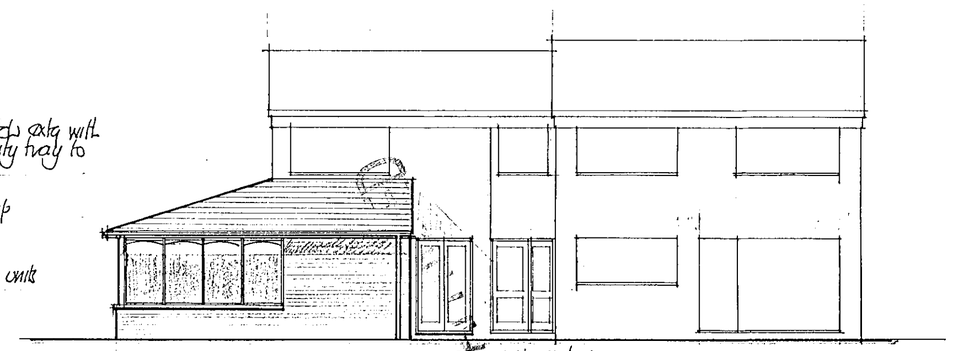
= Window	6.75 × 3.3 w/m²°C	=	22.3.
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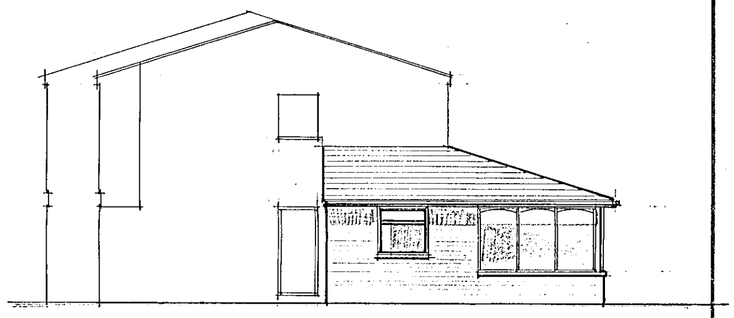
2. Actual heat loss with increased window size and improved insulation to walls & glazing

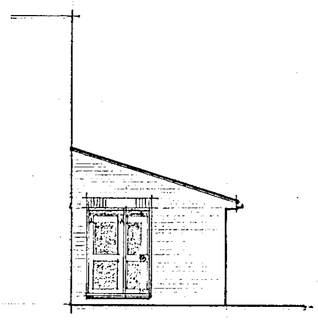
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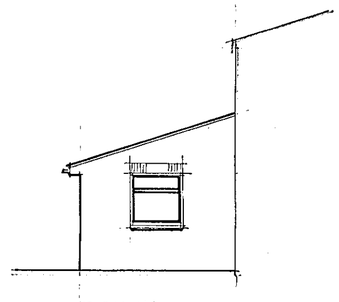
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21. DEC. 2000 3074

57 WELLESLEY DRIVE CROWTHORNE
PROPOSED GARDEN ROOM EXTENSION
DWG NO: W/03600/01 SCALE 1:50 & 1:100 DEC'00