P13162	31 LIVERPOOL RD, MANCHESTER	SHT No 2

		DL	LL	
LOADS (A)				
FLOOR	$= 4.0 \times \frac{1.15+1.45}{2} \times 0.55 kN/m^2 \times 1.4$	4.00	—	UDL
	$+ 4.0 \times \frac{1.15+1.45}{2} \times 1.5 kN/m^2 \times 1.6$	—	12.48	UDL
		4.00	+ 12.48.	
TOTAL UDL = 16.48 kN				
LOADS (B)				
FLOOR	$= 4.0 \times \frac{1.45+2.3}{2} \times 0.55 kN/m^2 \times 1.4$	5.78	—	UDL
	$+ 4.0 \times \frac{1.45+2.3}{2} \times 1.5 kN/m^2 \times 1.6$	—	18.00	UDL
STUD WALL	$= 1.7 \times 2.75 \times 0.54 kN/m^2 \times 1.4$	3.54	—	UDL
		9.32	+ 18.00	
TOTAL UDL = 27.32kN				
LOAD (C)				
FLOOR	$= 2.5 \times \frac{2.3+2.55}{2} \times 0.55 kN/m^2 \times 1.4$	4.67	—	UDL
	$+ 2.5 \times \frac{2.3+2.55}{2} \times 1.5 kN/m^2 \times 1.6$	—	14.55	UDL
STUD WALL	$= 5.5 \times 2.75 \times 0.54 kN/m^2 \times 1.4$	11.43	—	PDL
BATH	= 2 kN nominal	2.0	—	UDL
		6.67	+ 14.55	
TOTAL UDL = 21.22 kN		11.43	+ 0.	
TOTAL PDL = 11.43 kN				