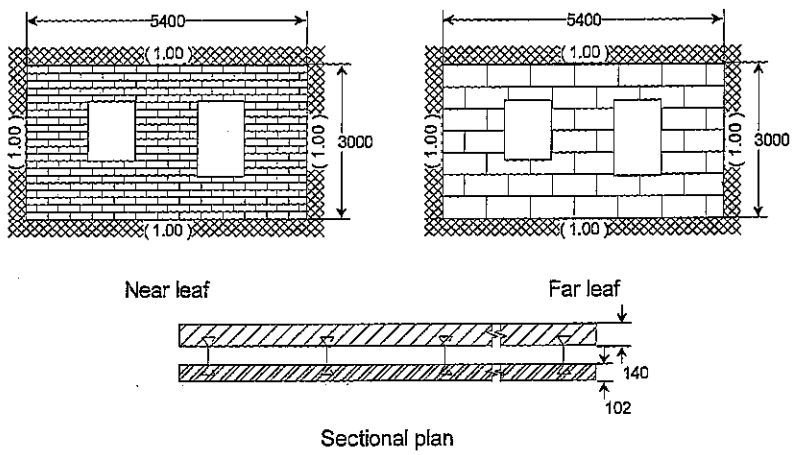
Parker Tobin	Carlton College Airmyn Campus Students Hostel Panel B 4-5	Job No Job Ref Designed By Checked By Date Revision No Calc No Page No	7891 Airmyn RH DG 6/07/2006 1



Sectional plan

Data item	Near	Far
Bed joint reinforcement	No	No
DPC - top	No	No
DPC - bottom	No	No

Note:
1.For details of masonry units, bed joint reinforcement and damp proof course refer to 'Material and design data'
2.For details of wall ties (if specified) refer to 'Concise' or 'Detailed' report.
3.Figures in brackets eg: (1.00) shown in elevation indicate user defined proportional fixity/continuity factor applied before allowing for openings.

Masonry characteristic strengths

Description	Near	Far	Units
Design code	(BS 5628-1 and 2:2005)		
Compression			
Narrow brick wall factor	1.15	1.00	-
Compression on bed joints	5.75	7.04	N/mm²
Compression // bed joints	5.75	7.04	N/mm²
Flexure			
Horizontal span	1.10	0.61	N/mm²
Vertical span	0.40	0.22	N/mm²

Description	Near	Far	Units
Shear			
Shear without compression	0.15	0.15	N/mm²
Shear friction coefficient	0.60	0.60	-
Maximum shear	1.40	1.40	N/mm²
Vertical shear- bonded	0.50	0.35	N/mm²
Elastic modulus			
Short term	4.50	6.33	kN/mm²
Long term	2.25	2.11	kN/mm²

Characteristic vertical loads

Load category name	Near		Far	
	Load (kN/m)	Ecc. mm	Load (kN/m)	Ecc. mm
Dead load 1	12.000	0.000	39.000	0.000
Dead load 2			15.000	-23.300
Imp. Load 1			16.500	0.000
Imp. Load 2			12.000	-23.300
Wind near	0.000	0.000	-5.500	0.000
Wind far	0.000	0.000	-2.500	0.000

Characteristic lateral wind pressure

Category name	Dyn. pr. kN/m²	Coeff. Near	Coeff. Far	Net coeff.	Res. pr. kN/m²
Wind near	0.650	0.700	-0.300	1.000	0.650
Wind far	0.720	-0.500	0.200	-0.700	-0.504

Characteristic lateral line load

Category name	Load kN/m	Height from bottom mm

Note: For details of more than two loads please refer detailed report

Summary results (critical load combinations)

Description	Wall	Status	Units
Lateral load capacity	7.714		kN/m²
Design uniform load	0.910		kN/m²
Utilisation	0.118	Pass	
Load combination	0.9D+1.4Wn		
Cavity ties capacity	1.312		kN/m²
Design load	0.464		kN/m²
Utilisation	0.354	Pass	
Load combination	1.4D+1.4Wn		
Limiting dimensions / area	8066		mm
Actual	5400		mm
Utilisation	0.669	Pass	

Description	Near	Far	Status	Units
Vertical load capacity	350.602	730.848		kN
Design load	114.316	671.136		kN
Utilisation	0.326	0.918	Pass	
Load combination	1.4D+1.4Wn	1.4D+1.6l		
Edge ties capacity	1.342	N/a		kN/m
Design reaction	0.992	N/a		kN/m
Utilisation	0.740	N/a	Pass	
Load combination	1.4D+1.4Wn	N/a		