

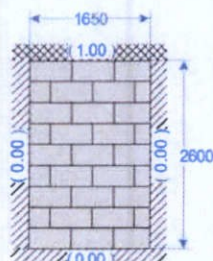


Seahanger
Cliff Road
Hythe

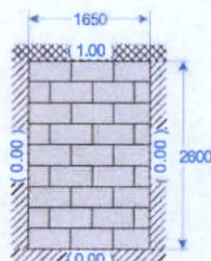
Porch Front Wall

Job No 35314
Job Ref Panel 2
Designed By JM
Checked By
Date 27/ 9/2018
Revision No
Calc No
Page No 1

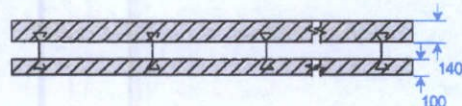
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Near leaf



Far leaf



Sectional plan

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

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	Description	Near	Far	Units
Design code	BS 5628-1 and 2:2005			Shear			
Compression				Shear without compression	0.15	0.15	N/mm ²
Narrow brick wall factor	1.00	1.00	-	Shear friction coefficient	0.60	0.60	-
Compression on bed joints	3.50	3.50	N/mm ²	Limiting shear	1.40	1.40	N/mm ²
Compression // bed joints	3.50	3.50	N/mm ²	Vertical shear- bonded	0.35	0.35	N/mm ²
Flexure				Elastic modulus			
Horizontal span	0.45	0.40	N/mm ²	Short term	3.15	3.15	kN/mm ²
Vertical span	0.25	0.22	N/mm ²	Long term	1.05	1.05	kN/mm ²

Characteristic vertical loads

Load category name	Near		Far	
	Load (kN/m)	Ecc. mm	Load (kN/m)	Ecc. mm

Characteristic lateral wind pressure

Category name	Dyn. pr. kN/m ²	Coeff. Near	Coeff. Far	Net coeff.	Res. pr. kN/m ²
Wind near	0.440	0.850	-0.300	1.150	0.506

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)

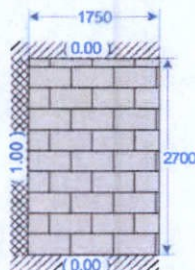
Description	Wall	Status	Units	Description	Near	Far	Status	Units
Lateral load capacity	2.892		kN/m ²	Max. slenderness	27	27		
Design uniform load	0.708		kN/m ²	Actual	10.313	10.313		
Utilisation	0.245	Pass		Utilisation	0.382	0.382	Pass	
Load combination	0.90D+1.40Wn							
Limiting dimension / area								
Allowable	8000		mm					
Actual	2600		mm					
Utilisation	0.325	Pass						



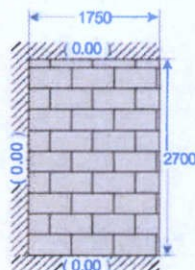
Seahanger
Cliff Road
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Porch Front Wall

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Job Ref Panel 3
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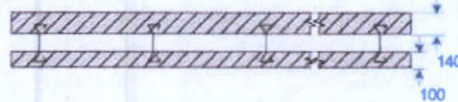
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Near leaf



Far leaf



Sectional plan

Data item	Near	Far
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DPC - top	No	No
DPC - bottom	No	No

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Flexure				Elastic modulus			
Horizontal span	0.45	0.40	N/mm ²	Short term	3.15	3.15	kN/mm ²
Vertical span	0.25	0.22	N/mm ²	Long term	1.05	1.05	kN/mm ²

Characteristic vertical loads

Load category name	Near		Far	
	Load (kN/m)	Ecc. mm	Load (kN/m)	Ecc. mm
Dead load 1			6.830	0.000
Imp. Load 1	1.660	0.000		
Wind near	0.000	0.000	0.000	0.000

Characteristic lateral wind pressure

Category name	Dyn. pr. kN/m ²	Coeff. Near	Coeff. Far	Net coeff.	Res. pr. kN/m ²
Wind near	0.630	0.850	-0.300	1.150	0.724

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	Description	Near	Far	Status	Units
Lateral load capacity	1.547		kN/m ²	Max. slenderness	27	27		
Design uniform load	1.014		kN/m ²	Actual	16.875	16.875		
Utilisation	0.656	Pass		Utilisation	0.625	0.625	Pass	
Load combination	0.90D+1.40Wn							
Limiting dimension / area								
Allowable	8000		mm					
Actual	2700		mm					
Utilisation	0.338	Pass						