	Job No:	2954	Calc No	o:	
	Engineer:	G Cooke		-	P Matha
Unit 9 Windmill Ind Est Windmill, Fowey	Date:	25.02.19	Date		25.02.1
Cornwall, U.K. PL23 1HB 01726 834958	Title: RAMS Board				2010211
www.hi-spec-eng.com	Temporary Works				
ENGINEERING DESIGN SERVICES					
RAMS Board					
Width		1710	mm		
Height			1370 mm		
Unit Weight		0.47	kN		
Ballast Weight		1.5	1.5 kN		
ontage Area		2.3427	2.3427 m^2		
se Width		900	900 mm		
Height to Centre of Sign		1535	mm		
Overturning wind speed with And	chors				
Fixing design capacity 4No. M8 Hilti HUS Screw Anchor v	vith 60mm Embed	-	kN Slab	Each	
Noment required to overturn sign		9.6	kNm		
Force in centre of board required	to overturn sign.	6.254072	kN		
actor of Safety		1	1 (unfactored values)		
Design Pressure		2.6696	kN/m^2		
Drag Co-Efficient of Board		2			
Wind Speed		32.99612	m/s		
		119	km/h	(74mph)	
Overturning wind speed with ball	ast				
Moment required to overturn sigr	I	0.675	kNm		
Force in centre of board required	to overturn sign.	0.439739	kN		
actor of Safety		1	1 (unfactored values)		
Design Pressure		0.187706	kN/m^2		

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Wind Speed	8.749417 m/s
	31 km/h (19mph)
Overturning wind speed with no ballast	
Moment required to overturn sign	0.2115 kNm
Force in centre of board required to overturn sign.	0.137785 kN
Factor of Safety	1 (unfactored values)
Design Pressure	0.058815 kN/m^2
Drag Co-Efficient of Board	2
Wind Speed	4.89759 m/s
	18 km/h (11mph)

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