Table 4.2

MINIMUM VERTICAL WALL REINFORCEMENT FOR FLAT ICF ABOVE-GRADE WALLS [1,2,3,6]

Wind Class AS 4055	WIND SPEED Ult. V500 (m/s)	WIND PRESSURE ULT (Kpa)	MAXIMUM WALL HEIGHT (mm)	MINIMUM VERTICAL REINFORCEMENT 4 N12 Bar Spacing (mm)					
				SUPPORTING ROOF OR NON-LOAD-BEARING WALL		SUPPORTING LIGHT-FRAME SECOND STORY AND ROOF		SUPPORTING ICF SECOND STORY AND LIGHT-FRAME ROOF.	
				MINIMUM WALL THICKNESS (mm)					
				100	150	100	150	100	150
Minimum	0	0	2400	1200	1200	1200	1200	1200	1200
			2700	1200	1200	1200	1200	1200	1200
			3000	1200	1200	1200	1200	1200	1200
N1	34	0.69	2400	1200	1200	1000	1200	800	800
			2700	1200	1200	1000	1000	800	800
			3000	1200	1200	1000	1000	800	700
N2	40	0.96	2400	1200	1200	1000	1000	800	800
			2700	1200	1200	800	1000	700	700
			3000	1000	1200	800	800	600	700
N3/C1	50	1.5	2400	1000	1200	800	800	700	700
			2700	800	1200	700	800	600	600
			3000	800	1000	600	700	500	600
N4/C2	61	2.23	2400	800	1000	600	700	500	600
			2700	600	800	500	700	400	500
			3000	500	800	400	600	400	500
N5/C3	74	3.29	2400	600	800	500	600	400	500
			2700	400	700	400	500	300	400
			3000	300	500	300	400	300	400
N6/C4	86	4.44	2400	400	600	300	500	300	400
			2700	300	500	300	400	200	300
			3000	250	400	200	300	200	300

[1] This table is based on reinforcement bars with a minimum yield strength of 414 MPa and concrete with a minimum specified compressive strength of 25 Mpa

[2] Deflection criterion is L/240 where L is the height of the wall story.

[3] Interpolation shall not be permitted.

[4] Enclosed structures only.

[5] Horizontal N12 Bar at top of wall and at 1/3 point.

[6] Design to AS3600 Clause 11.2.4

[7] Shaded Areas can be reinforced with Fibercon Stee;l Fibre Reinforcing at 24Kg/m^3 - Refer to Fibercon