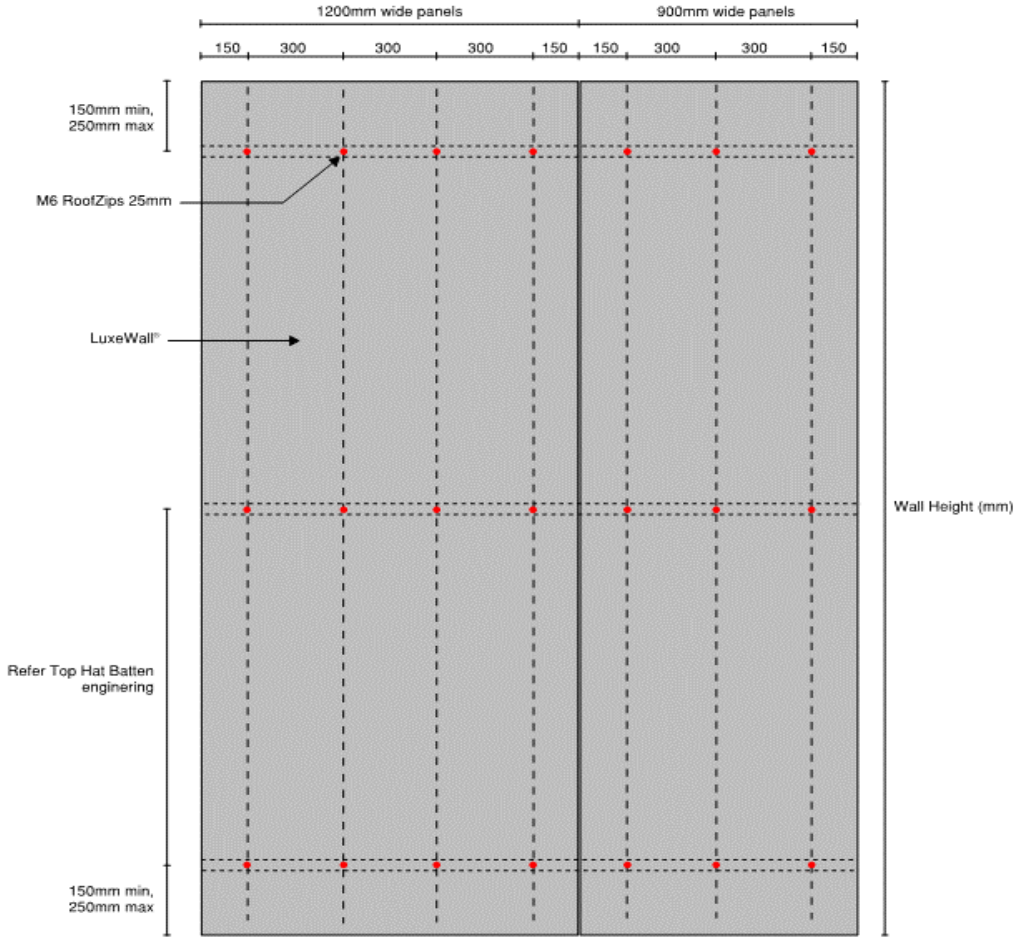
LuxeWall® FG - Wall Span Table for Housing Application
50mm Panel Mineral Wool Core 0.6mm Steel Skins

Wind Classification	Ultimate Wind Pressure (kPa)		Number of Top Hat Battens Per Panel									
	Away from corners	Within 1200mm of corners	Wall Height (Panel length in vertical orientation) (mm)									
			≤2400		≤2700		≤3000		≤3300		≤6500	
			Panel Location		Panel Location		Panel Location		Panel Location		Panel Location	
			Typical	Corner	Typical	Corner	Typical	Corner	Typical	Corner	Typical	Corner
N1	+0.62, -0.53	-0.94	2	2	2	2	2	2	2	3	3	4
N2	+0.86, -0.74	-1.3	2	2	2	3	2	3	2	3	4	5
N3	+1.35, -1.16	-2.03	3	3	3	4	3	4	3	4	5	7
N4	+2.01, -1.72	-3.01	3	4	4	5	4	5	4	6	7	10

Notes:

1. Batten Spacings based on fixing strength and LuxeWall® span.
2. Battens must be checked separately for span.
3. Wind Speeds and coefficients based on AS 4055 - Wind Loads for Housing.
4. Wall pressure coefficients based on following assumptions:
   a) External Pressure C_{pe} = +0.7, -0.65
   b) Internal Pressure - Building has no dominant openings and more than one permeable wall or is effectively sealed. Cpi = +0.2, -0.3
   c) Local Pressure - kl = 2.0 for negative wall pressures within 1200mm of corners
   d) Combination Factor Kc = 0.9
   e) Wall away from corner - Cfig = +0.9, -0.765, Wall within 1200mm of corner Cfig = -1.35
5. Serviceability deflection limit of span/150 has been allowed for.
6. Span tables have been developed by Bligh Tanner Consulting Engineers by interpreation of physical testing.



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