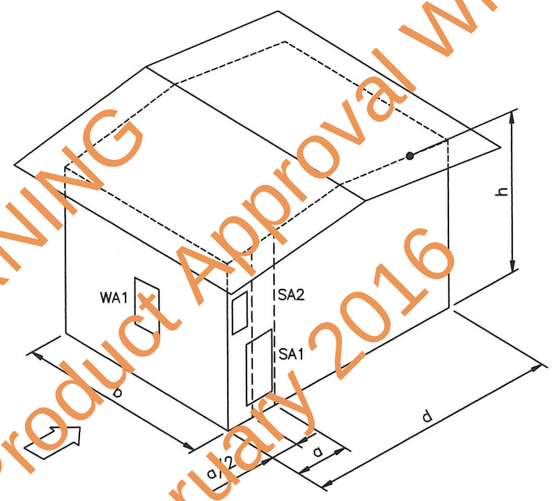
IN ACCORDANCE WITH NCC VOLUME 2 (SECTION P3.10.1), THIS PRODUCT SATISFIES PERFORMANCE REQUIREMENT P2.1.1 FOR CONSTRUCTION IN A HIGH WIND AREA

WIND PRESSURE FOR DOORS & WINDOWS (FOR AVG. HEIGHT (h) UP TO 6.5m)



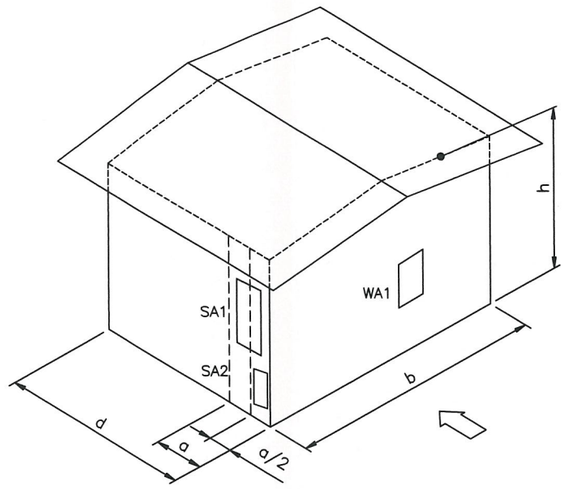


TABLE – 1

SERVICEABILITY LIMIT STATE PRESSURE kPa (SLS)				
	WIND SURFACE			AS 2047 WATER PENETRATION TEST PRESSURE (Pa)
TERRAIN CATEGORY	WA1	SA1	SA2	FIXED GLAZING / LOUVRES
1.5	+1.4	– 1.1	– 1.4	300 / 200
2	+1.2	– 0.9	– 1.3	250 / 200
2.5	+1.1	– 0.8	– 1.1	200 / 200
3	+0.9	– 0.7	– 1.0	200 / 200

NOTES :

1. DIMENSION a IS MINIMUM OF 0.2b,0.2d OR h.
2. – ve VALUES INDICATE SUCTION
3. + ve VALUES INDICATE PRESSURE

TABLE – 2

ULTIMATE LIMIT STATE PRESSURE kPa (ULS)			
	WIND SURFACE		
TERRAIN CATEGORY	WA1	SA1	SA2
1.5	+4.0	– 4.3	– 5.2
2	+3.5	– 3.8	– 4.5
2.5	+3.1	– 3.4	– 4.0
3	+2.8	– 3.0	– 3.6

Product Name

WIND PRESSURE FOR DOORS & WINDOWS FOR CYCLONIC REGION – C

Product Description

Manufacturer's Name

Design Criteria

THE FOLLOWING CRITERIA FROM AS/NZS 1170.2 : 2011 Amdt 2, AS 1288 – 2006 AS 2047 – 1999 HAVE BEEN USED TO GENERATE THE TABLES.

1. IMPORTANCE LEVEL 2, Vu = 69.3 m/s, Vs = 45 m/s.
2. Ms = Mt = Md = 1.0 NO HILLS OR ESCARPMENT & SHIELDING.
3. Cpe = +0.7 / –0.65, Cpi = + 0.7 / –0.5, Kc = 0.9 FOR ULS LOADINGS.
4. Cpe = +0.7 / –0.65, Cpi = + 0.0 / –0.2, Kc = 0.9 FOR SLS LOADINGS.
5. FOR CLASS 1, 10a & h_{avg} = 6.5m.
6. WATER PENETRATION TEST PRESSURES FOLLOW TABLE 2.4 OF AS 2047 (Amdt 1).
7. PATCH AREA SA1 = a^2 WITH ASPECT RATIOS FROM 1:1 UP TO 4:1
8. PATCH AREA WA1 & SA2 = 0.25 a^2 WITH ASPECT RATIO FROM 1:1 UP TO 4:1

Limitations

1. WIND PRESSURES ARE BASED ON MAX. AVERAGE ROOF HEIGHT OF 6.5m.
2. INCREASE WA1 PRESSURE BY 10% FOR ELEVATED BUILDINGS.
3. REFER TO PRACTISING STRUCTURAL ENGINEER FOR BUILDINGS OUTSIDE THESE GUIDELINES.

Notes covering basis of DTC (Relevant test reports etc)

*Checking Engineers Certification
Name: Neil Clarke
Registration Number: 18183ES
Date: 10/3/14
Signature:
*registered as a structural engineer in Australia

*Certifying Engineers Certification
Name: P. Russell
NT Registration Number: 12653ES
Date: 10/3/14
Signature:
*registered as a structural engineer in Northern Territory

Accepted for Inclusion

DTCM ref: M/412

Chairman's Signature:

Chairman's Name: STEVEN J EHRLICH

Date of Approval: 24-10-13 Expiry Date: 24-10-18