

----- BUILDING DATA -----

ORIENTATION: 67.5°
 ROOF: MONOSLOPE
 WIDTH: 20.00 m
 LENGTH: 40.00 m
 ROOF SLOPE (α): 5.0°
 HEIGHT (h): 10.50 m
 BASE RL: 0.00 m

----- SITE DATA -----

LOCATION

LATITUDE: -33.834486
 LONGITUDE: 151.256145
 ELEVATION: 90.06 m

DESIGN

REFERENCE: AS/NZS 1170
 IMPORTANCE LEVEL: 2
 LIFE: 50 YEARS

WIND

REGION: A2
 ULTIMATE ARI: 500 YEARS
 ULTIMATE VR: 45 m/s
 ICE VR: 34 m/s
 SERVICEABILITY VR: 37 m/s

DIRECTION MULTIPLIER (Md)

- Calculated for Region A2 as per AS/NZS 1170.2 Section 3.3.

WIND Md

N 0.80
 NE 0.80
 E 0.80
 SE 0.95
 S 0.90
 SW 0.95
 W 1.00
 NW 0.95

TERRAIN/HEIGHT MULTIPLIER (Mz,cat)

- Calculated using averaging as per AS/NZS 1170.2 Section 4.2.3 and varies with height.

NORTH WIND: Mz,cat = 0.8660 (TC 2.8225)

ZONE 1: 443.75 m / TC 3
 ZONE 2: 621.25 m / TC 2.5
 ZONE 3: 710.00 m / TC 3

NORTH EAST WIND: Mz,cat = 0.9805 (TC 2.1450)

ZONE 1: 532.50 m / TC 2.5
 ZONE 2: 710.00 m / TC 1.5

EAST WIND: Mz,cat = 1.0194 (TC 1.8788)

ZONE 1: 399.38 m / TC 2.5
 ZONE 2: 710.00 m / TC 1.5

SOUTH EAST WIND: Mz,cat = 1.0089 (TC 1.9675)

ZONE 1: 177.50 m / TC 3
 ZONE 2: 443.75 m / TC 2.5
 ZONE 3: 710.00 m / TC 1.5

SOUTH WIND: Mz,cat = 0.9955 (TC 2.0563)

ZONE 1: 133.13 m / TC 3
 ZONE 2: 488.13 m / TC 2.5
 ZONE 3: 710.00 m / TC 1.5

SOUTH WEST WIND: Mz,cat = 0.9205 (TC 2.5000)

ZONE 1: 710.00 m / TC 2.5

WEST WIND: Mz,cat = 0.8360 (TC 3.0000)

ZONE 1: 177.50 m / TC 2.5
 ZONE 2: 710.00 m / TC 3

NORTH WEST WIND: Mz,cat = 0.8360 (TC 3.0000)

ZONE 1: 710.00 m / TC 3

SHIELDING MULTIPLIER (Ms)

- Calculated as per AS/NZS 1170.2 Section 4.3 and varies with height.

NORTH WIND: Ms = 1.0000 (SLOPE: 0.1638)

ID	HEIGHT	LENGTH	WIDTH	AREA	BEARING	BREADTH	LATITUDE	LONGITUDE
001	7.00 m	19.60 m	12.90 m	253 m ²	0.00°	19.60 m	-33.832902	151.256554
002	7.00 m	20.70 m	12.08 m	250 m ²	54.46°	21.87 m	-33.833617	151.255719
003	3.50 m	20.91 m	11.35 m	237 m ²	56.31°	21.05 m	-33.833529	151.255831
004	3.50 m	21.61 m	10.20 m	220 m ²	49.40°	21.80 m	-33.833162	151.255685
005	3.50 m	15.03 m	13.48 m	203 m ²	51.34°	19.92 m	-33.832944	151.256034
006	3.50 m	19.61 m	9.21 m	181 m ²	51.63°	19.39 m	-33.833071	151.255785
007	3.50 m	21.51 m	8.33 m	179 m ²	335.56°	23.04 m	-33.834091	151.256255

008	3.50 m	14.52 m	11.08 m	161 m ²	56.31°	17.27 m	-33.833221	151.256455
009	3.50 m	16.16 m	9.43 m	152 m ²	50.53°	17.55 m	-33.832860	151.256169
010	3.50 m	12.55 m	12.06 m	151 m ²	53.13°	17.18 m	-33.833498	151.256007
011	3.50 m	13.12 m	11.45 m	150 m ²	3.01°	13.70 m	-33.833048	151.256549
012	3.50 m	15.34 m	9.15 m	140 m ²	56.31°	16.12 m	-33.833382	151.256110
013	3.50 m	13.07 m	8.94 m	117 m ²	56.31°	14.69 m	-33.833013	151.255904
014	3.50 m	17.53 m	6.31 m	111 m ²	326.89°	18.13 m	-33.834208	151.256241
015	3.50 m	11.86 m	9.08 m	108 m ²	53.13°	14.38 m	-33.832777	151.256279
016	3.50 m	10.27 m	9.88 m	101 m ²	306.03°	14.03 m	-33.832702	151.256452
017	3.50 m	11.64 m	8.07 m	94 m ²	57.38°	13.08 m	-33.833299	151.256335
018	3.50 m	14.10 m	6.62 m	93 m ²	53.97°	13.65 m	-33.833348	151.256246
019	3.50 m	9.63 m	7.40 m	71 m ²	75.96°	9.51 m	-33.833277	151.256619
020	3.50 m	6.15 m	5.01 m	31 m ²	297.65°	7.29 m	-33.832670	151.256621

NORTH EAST WIND: Ms = 1.0000 (SLOPE: 0.0727)

ID	HEIGHT	LENGTH	WIDTH	AREA	BEARING	BREADTH	LATITUDE	LONGITUDE
021	7.00 m	40.54 m	7.60 m	308 m ²	343.38°	25.96 m	-33.834224	151.256625
022	7.00 m	21.52 m	13.25 m	285 m ²	271.43°	24.44 m	-33.833708	151.257926
023	3.50 m	16.58 m	11.21 m	186 m ²	58.17°	18.70 m	-33.833553	151.256840
024	3.50 m	13.44 m	12.26 m	165 m ²	318.01°	12.95 m	-33.833456	151.257193
025	3.50 m	13.03 m	12.21 m	159 m ²	10.62°	17.65 m	-33.832786	151.257024
026	3.50 m	13.89 m	11.28 m	157 m ²	292.62°	15.72 m	-33.833181	151.257432
027	3.50 m	18.63 m	5.87 m	109 m ²	6.91°	18.28 m	-33.833472	151.257849
028	3.50 m	10.41 m	10.13 m	105 m ²	19.98°	13.71 m	-33.833095	151.257266
029	3.50 m	10.67 m	7.94 m	85 m ²	0.00°	13.16 m	-33.833436	151.257614
030	3.50 m	6.22 m	5.68 m	35 m ²	289.44°	7.81 m	-33.833025	151.257347
031	3.50 m	6.04 m	5.75 m	35 m ²	290.56°	7.73 m	-33.832948	151.257388
032	3.50 m	7.24 m	3.60 m	26 m ²	324.78°	4.78 m	-33.833475	151.256726

EAST WIND: Ms = 1.0000 (SLOPE: 0.1028)

ID	HEIGHT	LENGTH	WIDTH	AREA	BEARING	BREADTH	LATITUDE	LONGITUDE
033	7.00 m	31.11 m	9.57 m	298 m ²	55.84°	31.12 m	-33.834663	151.256809
034	3.50 m	24.22 m	7.86 m	191 m ²	325.01°	20.33 m	-33.834325	151.256763
035	3.50 m	13.21 m	9.01 m	119 m ²	326.31°	14.83 m	-33.834484	151.256558

SOUTH EAST WIND: Ms = 1.0000 (SLOPE: 0.0811)

ID	HEIGHT	LENGTH	WIDTH	AREA	BEARING	BREADTH	LATITUDE	LONGITUDE
036	10.00 m	41.40 m	34.81 m	1441 m ²	326.04°	47.30 m	-33.834905	151.256666
037	10.00 m	36.44 m	19.63 m	715 m ²	326.93°	39.71 m	-33.835287	151.256789
038	10.00 m	36.37 m	19.60 m	713 m ²	306.87°	38.77 m	-33.835636	151.257245
039	10.00 m	36.37 m	19.50 m	709 m ²	306.87°	38.76 m	-33.835488	151.257017
040	10.00 m	38.49 m	9.88 m	380 m ²	325.49°	39.65 m	-33.834634	151.256275
041	3.50 m	15.30 m	7.14 m	109 m ²	278.91°	16.57 m	-33.835843	151.257540
042	3.50 m	7.64 m	3.30 m	25 m ²	326.31°	8.14 m	-33.835156	151.256516

SOUTH WIND: Ms = 1.0000 (SLOPE: 0.0491)

ID	HEIGHT	LENGTH	WIDTH	AREA	BEARING	BREADTH	LATITUDE	LONGITUDE
043	7.00 m	36.56 m	28.30 m	1034 m ²	326.86°	46.08 m	-33.835673	151.256619
044	10.00 m	38.31 m	22.85 m	876 m ²	325.92°	44.54 m	-33.835085	151.256037
045	10.00 m	36.67 m	15.14 m	555 m ²	56.31°	32.93 m	-33.835313	151.255770
046	10.00 m	37.50 m	9.57 m	359 m ²	56.07°	28.87 m	-33.834954	151.256342
047	3.50 m	16.72 m	10.42 m	174 m ²	20.56°	19.32 m	-33.836189	151.255432
048	3.50 m	13.64 m	11.30 m	154 m ²	18.89°	16.57 m	-33.836325	151.255861
049	3.50 m	14.82 m	8.80 m	130 m ²	289.13°	13.17 m	-33.836266	151.255684
050	3.50 m	10.90 m	7.07 m	77 m ²	279.87°	8.83 m	-33.836348	151.256045

SOUTH WEST WIND: Ms = 1.0000 (SLOPE: 0.0434)

ID	HEIGHT	LENGTH	WIDTH	AREA	BEARING	BREADTH	LATITUDE	LONGITUDE
051	7.00 m	26.99 m	15.52 m	419 m ²	326.00°	20.39 m	-33.834807	151.255866
052	3.50 m	20.35 m	11.72 m	238 m ²	279.87°	21.29 m	-33.835032	151.255027
053	3.50 m	7.15 m	6.62 m	47 m ²	78.69°	9.62 m	-33.835043	151.255537

WEST WIND: Ms = 1.0000 (SLOPE: 0.0630)

ID	HEIGHT	LENGTH	WIDTH	AREA	BEARING	BREADTH	LATITUDE	LONGITUDE
054	3.50 m	18.64 m	8.24 m	154 m ²	9.46°	11.19 m	-33.833929	151.254362
055	3.50 m	16.98 m	6.20 m	105 m ²	324.46°	14.92 m	-33.834467	151.255773
056	3.50 m	8.21 m	4.19 m	34 m ²	327.09°	7.98 m	-33.834628	151.255583

NORTH WEST WIND: Ms = 1.0000 (SLOPE: 0.1638)

ID	HEIGHT	LENGTH	WIDTH	AREA	BEARING	BREADTH	LATITUDE	LONGITUDE
057	7.00 m	24.26 m	12.68 m	308 m ²	279.46°	27.12 m	-33.833288	151.255277
058	7.00 m	19.29 m	13.60 m	262 m ²	60.26°	18.20 m	-33.833709	151.255575
059	3.50 m	18.15 m	13.66 m	248 m ²	9.46°	21.66 m	-33.833930	151.254908
060	3.50 m	16.60 m	13.66 m	227 m ²	9.46°	20.76 m	-33.833325	151.254475
061	3.50 m	18.76 m	12.07 m	226 m ²	279.46°	22.28 m	-33.833235	151.255121
062	3.50 m	19.25 m	10.85 m	209 m ²	9.46°	20.02 m	-33.833486	151.255003
063	3.50 m	17.01 m	11.42 m	194 m ²	279.46°	20.47 m	-33.833204	151.254964
064	3.50 m	15.88 m	10.57 m	168 m ²	75.74°	17.20 m	-33.833806	151.255251
065	3.50 m	16.68 m	9.87 m	165 m ²	9.46°	17.73 m	-33.833781	151.254941
066	3.50 m	14.42 m	10.76 m	155 m ²	63.44°	14.77 m	-33.833763	151.255426
067	3.50 m	13.87 m	11.05 m	153 m ²	9.46°	17.05 m	-33.833731	151.254418
068	3.50 m	13.62 m	11.21 m	153 m ²	9.46°	17.04 m	-33.833657	151.254961
069	3.50 m	18.19 m	8.20 m	149 m ²	9.46°	17.24 m	-33.833608	151.254391
070	3.50 m	13.54 m	10.89 m	147 m ²	9.46°	16.73 m	-33.833477	151.254469
071	3.50 m	14.56 m	7.34 m	107 m ²	9.46°	14.44 m	-33.833837	151.254378
072	3.50 m	12.84 m	7.05 m	91 m ²	346.91°	14.63 m	-33.833945	151.255293
073	3.50 m	10.64 m	7.91 m	84 m ²	9.46°	12.62 m	-33.833243	151.255449

TOPOGRAPHIC MULTIPLIER (Mt)

- Calculated as per AS/NZS 1170.2 Section 4.4 and varies with height.
- Site located outside lee zones as per AS/NZS 1170.2 Section 4.4.3.

WIND TOPOGRAPHY H Lu x Mh Mt

N	RIDGE	87.49 m	288.58 m	-60.07 m	1.1869	1.1869
NE	ESCARPMENT	87.46 m	338.3 m	-40.04 m	1.1734	1.1734
E	ESCARPMENT	86.73 m	293.57 m	30.03 m	1.2072	1.2072
SE	ESCARPMENT	86.73 m	293.57 m	30.03 m	1.2072	1.2072
S	RIDGE	88.81 m	286.7 m	60.07 m	1.1907	1.1907
SW	RIDGE	75.26 m	276.41 m	40.04 m	1.1758	1.1758
W	ESCARPMENT	7.07 m	34.32 m	30.03 m	1.0743	1.0743
NW	RIDGE	87.49 m	288.58 m	-60.07 m	1.1869	1.1869

----- ANALYSIS -----

LOAD CASE 1: Ultimate Wind

NORTH WIND

RL	Md	TC	Mz,cat	ns	hs	bs	Ms	Mt	Vsit,β	qsit,β
10.50 m	0.80	2.8225	0.8660	0	-	-	1.0000	1.1869	37.00 m/s	0.8214 kPa
9.98 m	0.80	2.8262	0.8595	0	-	-	1.0000	1.1878	36.75 m/s	0.8103 kPa
9.45 m	0.80	2.8297	0.8573	0	-	-	1.0000	1.1887	36.69 m/s	0.8077 kPa
8.93 m	0.80	2.8330	0.8552	0	-	-	1.0000	1.1895	36.62 m/s	0.8046 kPa
8.40 m	0.80	2.8363	0.8531	0	-	-	1.0000	1.1904	36.56 m/s	0.8020 kPa
7.88 m	0.80	2.8394	0.8512	0	-	-	1.0000	1.1913	36.51 m/s	0.7998 kPa
7.35 m	0.80	2.8424	0.8493	0	-	-	1.0000	1.1922	36.45 m/s	0.7972 kPa
6.83 m	0.80	2.8452	0.8475	2	7.00 m	20.73 m	0.8889	1.1931	32.36 m/s	0.6283 kPa
6.30 m	0.80	2.8480	0.8457	2	7.00 m	20.73 m	0.8743	1.1941	31.78 m/s	0.6060 kPa
5.78 m	0.80	2.8507	0.8440	2	7.00 m	20.73 m	0.8598	1.1950	31.22 m/s	0.5848 kPa
5.25 m	0.80	2.8533	0.8424	2	7.00 m	20.73 m	0.8453	1.1959	30.66 m/s	0.5640 kPa
4.73 m	0.80	2.8558	0.8415	2	7.00 m	20.73 m	0.8307	1.1969	30.12 m/s	0.5443 kPa
4.20 m	0.80	2.8582	0.8413	2	7.00 m	20.73 m	0.8162	1.1978	30.00 m/s	0.5400 kPa
3.68 m	0.80	2.8606	0.8412	2	7.00 m	20.73 m	0.8017	1.1988	30.00 m/s	0.5400 kPa
3.15 m	0.80	2.8628	0.8410	20	3.85 m	16.66 m	0.7442	1.1998	30.00 m/s	0.5400 kPa
2.63 m	0.80	2.8650	0.8408	20	3.85 m	16.66 m	0.7202	1.2008	30.00 m/s	0.5400 kPa
2.10 m	0.80	2.8671	0.8406	20	3.85 m	16.66 m	0.7000	1.2018	30.00 m/s	0.5400 kPa
1.58 m	0.80	2.8692	0.8405	20	3.85 m	16.66 m	0.7000	1.2028	30.00 m/s	0.5400 kPa
1.05 m	0.80	2.8712	0.8403	20	3.85 m	16.66 m	0.7000	1.2038	30.00 m/s	0.5400 kPa
0.53 m	0.80	2.8731	0.8402	20	3.85 m	16.66 m	0.7000	1.2048	30.00 m/s	0.5400 kPa
0.00 m	0.80	2.8750	0.8400	20	3.85 m	16.66 m	0.7000	1.2058	30.00 m/s	0.5400 kPa

NORTH EAST WIND

RL	Md	TC	Mz,cat	ns	hs	bs	Ms	Mt	Vsit,β	qsit,β
10.50 m	0.80	2.1450	0.9805	0	-	-	1.0000	1.1734	41.42 m/s	1.0294 kPa
9.98 m	0.80	2.1523	0.9737	0	-	-	1.0000	1.1741	41.16 m/s	1.0165 kPa
9.45 m	0.80	2.1593	0.9646	0	-	-	1.0000	1.1748	40.80 m/s	0.9988 kPa
8.93 m	0.80	2.1660	0.9556	0	-	-	1.0000	1.1755	40.44 m/s	0.9812 kPa
8.40 m	0.80	2.1725	0.9468	0	-	-	1.0000	1.1762	40.09 m/s	0.9643 kPa
7.88 m	0.80	2.1787	0.9382	0	-	-	1.0000	1.1769	39.75 m/s	0.9480 kPa
7.35 m	0.80	2.1847	0.9297	0	-	-	1.0000	1.1776	39.41 m/s	0.9319 kPa
6.83 m	0.80	2.1905	0.9214	2	7.00 m	25.20 m	0.8713	1.1783	34.05 m/s	0.6956 kPa
6.30 m	0.80	2.1961	0.9131	2	7.00 m	25.20 m	0.8581	1.1791	33.26 m/s	0.6637 kPa
5.78 m	0.80	2.2014	0.9050	2	7.00 m	25.20 m	0.8449	1.1798	32.48 m/s	0.6330 kPa
5.25 m	0.80	2.2066	0.8970	2	7.00 m	25.20 m	0.8318	1.1805	31.71 m/s	0.6033 kPa
4.73 m	0.80	2.2116	0.8931	2	7.00 m	25.20 m	0.8186	1.1813	31.09 m/s	0.5800 kPa
4.20 m	0.80	2.2165	0.8927	2	7.00 m	25.20 m	0.8054	1.1820	30.59 m/s	0.5614 kPa
3.68 m	0.80	2.2211	0.8923	2	7.00 m	25.20 m	0.7845	1.1828	30.00 m/s	0.5400 kPa
3.15 m	0.80	2.2257	0.8919	12	4.08 m	15.07 m	0.7562	1.1836	30.00 m/s	0.5400 kPa
2.63 m	0.80	2.2300	0.8916	12	4.08 m	15.07 m	0.7302	1.1843	30.00 m/s	0.5400 kPa
2.10 m	0.80	2.2343	0.8913	12	4.08 m	15.07 m	0.7041	1.1851	30.00 m/s	0.5400 kPa
1.58 m	0.80	2.2384	0.8909	12	4.08 m	15.07 m	0.7000	1.1859	30.00 m/s	0.5400 kPa
1.05 m	0.80	2.2424	0.8906	12	4.08 m	15.07 m	0.7000	1.1867	30.00 m/s	0.5400 kPa
0.53 m	0.80	2.2462	0.8903	12	4.08 m	15.07 m	0.7000	1.1875	30.00 m/s	0.5400 kPa
0.00 m	0.80	2.2500	0.8900	12	4.08 m	15.07 m	0.7000	1.1883	30.00 m/s	0.5400 kPa

EAST WIND

RL	Md	TC	Mz,cat	ns	hs	bs	Ms	Mt	Vsit,β	qsit,β
10.50 m	0.80	1.8788	1.0194	0	-	-	1.0000	1.2072	44.30 m/s	1.1775 kPa
9.98 m	0.80	1.8915	1.0126	0	-	-	1.0000	1.2082	44.04 m/s	1.1637 kPa
9.45 m	0.80	1.9038	1.0019	0	-	-	1.0000	1.2091	43.61 m/s	1.1411 kPa
8.93 m	0.80	1.9156	0.9911	0	-	-	1.0000	1.2101	43.18 m/s	1.1187 kPa
8.40 m	0.80	1.9269	0.9804	0	-	-	1.0000	1.2110	42.74 m/s	1.0960 kPa
7.88 m	0.80	1.9378	0.9697	0	-	-	1.0000	1.2120	42.31 m/s	1.0741 kPa
7.35 m	0.80	1.9483	0.9591	0	-	-	1.0000	1.2130	41.88 m/s	1.0524 kPa
6.83 m	0.80	1.9584	0.9484	1	7.00 m	31.12 m	0.9156	1.2140	37.95 m/s	0.8641 kPa
6.30 m	0.80	1.9681	0.9377	1	7.00 m	31.12 m	0.9067	1.2150	37.19 m/s	0.8299 kPa
5.78 m	0.80	1.9775	0.9270	1	7.00 m	31.12 m	0.8956	1.2160	36.34 m/s	0.7924 kPa
5.25 m	0.80	1.9866	0.9164	1	7.00 m	31.12 m	0.8779	1.2170	35.25 m/s	0.7455 kPa
4.73 m	0.80	1.9953	0.9106	1	7.00 m	31.12 m	0.8601	1.2181	34.34 m/s	0.7075 kPa
4.20 m	0.80	2.0038	0.9097	1	7.00 m	31.12 m	0.8423	1.2191	33.63 m/s	0.6786 kPa
3.68 m	0.80	2.0120	0.9090	1	7.00 m	31.12 m	0.8245	1.2202	32.92 m/s	0.6502 kPa
3.15 m	0.80	2.0199	0.9084	3	4.67 m	22.09 m	0.7723	1.2212	30.84 m/s	0.5707 kPa
2.63 m	0.80	2.0276	0.9078	3	4.67 m	22.09 m	0.7436	1.2223	30.00 m/s	0.5400 kPa
2.10 m	0.80	2.0350	0.9072	3	4.67 m	22.09 m	0.7149	1.2234	30.00 m/s	0.5400 kPa
1.58 m	0.80	2.0422	0.9066	3	4.67 m	22.09 m	0.7000	1.2245	30.00 m/s	0.5400 kPa
1.05 m	0.80	2.0492	0.9061	3	4.67 m	22.09 m	0.7000	1.2256	30.00 m/s	0.5400 kPa
0.53 m	0.80	2.0559	0.9055	3	4.67 m	22.09 m	0.7000	1.2267	30.00 m/s	0.5400 kPa
0.00 m	0.80	2.0625	0.9050	3	4.67 m	22.09 m	0.7000	1.2278	30.00 m/s	0.5400 kPa

SOUTH EAST WIND

RL	Md	TC	Mz,cat	ns	hs	bs	Ms	Mt	Vsit,β	qsit,β
10.50 m	0.95	1.9675	1.0089	0	-	-	1.0000	1.2072	52.07 m/s	1.6268 kPa
9.98 m	0.95	1.9785	1.0021	5	10.00 m	40.84 m	0.8152	1.2082	42.19 m/s	1.0680 kPa
9.45 m	0.95	1.9890	0.9914	5	10.00 m	40.84 m	0.8091	1.2091	41.46 m/s	1.0314 kPa
8.93 m	0.95	1.9991	0.9808	5	10.00 m	40.84 m	0.8031	1.2101	40.75 m/s	0.9963 kPa
8.40 m	0.95	2.0175	0.9687	5	10.00 m	40.84 m	0.7940	1.2110	39.82 m/s	0.9514 kPa
7.88 m	0.95	2.0362	0.9570	5	10.00 m	40.84 m	0.7819	1.2120	38.77 m/s	0.9019 kPa
7.35 m	0.95	2.0542	0.9457	5	10.00 m	40.84 m	0.7697	1.2130	37.75 m/s	0.8550 kPa
6.83 m	0.95	2.0715	0.9348	5	10.00 m	40.84 m	0.7576	1.2140	36.75 m/s	0.8103 kPa
6.30 m	0.95	2.0882	0.9243	5	10.00 m	40.84 m	0.7455	1.2150	35.79 m/s	0.7686 kPa
5.78 m	0.95	2.1043	0.9142	5	10.00 m	40.84 m	0.7334	1.2160	34.85 m/s	0.7287 kPa

5.25 m	0.95	2.1198	0.9044	5	10.00 m	40.84 m	0.7212	1.2170	33.93 m/s	0.6907 kPa
4.73 m	0.95	2.1348	0.8992	5	10.00 m	40.84 m	0.7091	1.2181	33.20 m/s	0.6613 kPa
4.20 m	0.95	2.1494	0.8980	5	10.00 m	40.84 m	0.7000	1.2191	32.76 m/s	0.6439 kPa
3.68 m	0.95	2.1634	0.8969	5	10.00 m	40.84 m	0.7000	1.2202	32.75 m/s	0.6435 kPa
3.15 m	0.95	2.1770	0.8958	7	8.14 m	32.70 m	0.7000	1.2212	32.74 m/s	0.6431 kPa
2.63 m	0.95	2.1901	0.8948	7	8.14 m	32.70 m	0.7000	1.2223	32.73 m/s	0.6428 kPa
2.10 m	0.95	2.2028	0.8938	7	8.14 m	32.70 m	0.7000	1.2234	32.72 m/s	0.6424 kPa
1.58 m	0.95	2.2152	0.8928	7	8.14 m	32.70 m	0.7000	1.2245	32.72 m/s	0.6424 kPa
1.05 m	0.95	2.2271	0.8918	7	8.14 m	32.70 m	0.7000	1.2256	32.71 m/s	0.6420 kPa
0.53 m	0.95	2.2387	0.8909	7	8.14 m	32.70 m	0.7000	1.2267	32.70 m/s	0.6416 kPa
0.00 m	0.95	2.2500	0.8900	7	8.14 m	32.70 m	0.7000	1.2278	32.70 m/s	0.6416 kPa

SOUTH WIND

RL	Md	TC	Mz, cat	ns	hs	bs	Ms	Mt	Vsit,β	qsit,β
10.50 m	0.90	2.0563	0.9955	0	-	-	1.0000	1.1907	48.01 m/s	1.3830 kPa
9.98 m	0.90	2.0654	0.9885	3	10.00 m	35.45 m	0.8472	1.1916	40.42 m/s	0.9803 kPa
9.45 m	0.90	2.0741	0.9782	3	10.00 m	35.45 m	0.8394	1.1925	39.66 m/s	0.9437 kPa
8.93 m	0.90	2.0826	0.9682	3	10.00 m	35.45 m	0.8317	1.1934	38.92 m/s	0.9089 kPa
8.40 m	0.90	2.0906	0.9584	3	10.00 m	35.45 m	0.8239	1.1943	38.19 m/s	0.8751 kPa
7.88 m	0.90	2.0984	0.9488	3	10.00 m	35.45 m	0.8162	1.1952	37.49 m/s	0.8433 kPa
7.35 m	0.90	2.1059	0.9393	3	10.00 m	35.45 m	0.8084	1.1961	36.78 m/s	0.8117 kPa
6.83 m	0.90	2.1131	0.9301	4	9.25 m	38.11 m	0.7818	1.1970	35.25 m/s	0.7455 kPa
6.30 m	0.90	2.1262	0.9204	4	9.25 m	38.11 m	0.7678	1.1980	34.29 m/s	0.7055 kPa
5.78 m	0.90	2.1416	0.9106	4	9.25 m	38.11 m	0.7538	1.1989	33.33 m/s	0.6665 kPa
5.25 m	0.90	2.1565	0.9013	4	9.25 m	38.11 m	0.7398	1.1999	32.40 m/s	0.6299 kPa
4.73 m	0.90	2.1709	0.8963	4	9.25 m	38.11 m	0.7258	1.2009	31.64 m/s	0.6007 kPa
4.20 m	0.90	2.1848	0.8952	4	9.25 m	38.11 m	0.7118	1.2019	31.02 m/s	0.5773 kPa
3.68 m	0.90	2.1983	0.8941	4	9.25 m	38.11 m	0.7000	1.2029	30.49 m/s	0.5578 kPa
3.15 m	0.90	2.2113	0.8931	8	6.38 m	26.29 m	0.7013	1.2039	30.54 m/s	0.5596 kPa
2.63 m	0.90	2.2239	0.8921	8	6.38 m	26.29 m	0.7000	1.2049	30.47 m/s	0.5571 kPa
2.10 m	0.90	2.2361	0.8911	8	6.38 m	26.29 m	0.7000	1.2059	30.46 m/s	0.5567 kPa
1.58 m	0.90	2.2479	0.8902	8	6.38 m	26.29 m	0.7000	1.2069	30.46 m/s	0.5567 kPa
1.05 m	0.90	2.2594	0.8892	8	6.38 m	26.29 m	0.7000	1.2080	30.45 m/s	0.5563 kPa
0.53 m	0.90	2.2705	0.8884	8	6.38 m	26.29 m	0.7000	1.2090	30.45 m/s	0.5563 kPa
0.00 m	0.90	2.2813	0.8875	8	6.38 m	26.29 m	0.7000	1.2101	30.45 m/s	0.5563 kPa

SOUTH WEST WIND

RL	Md	TC	Mz, cat	ns	hs	bs	Ms	Mt	Vsit,β	qsit,β
10.50 m	0.95	2.5000	0.9205	0	-	-	1.0000	1.1758	46.27 m/s	1.2845 kPa
9.98 m	0.95	2.5000	0.9148	0	-	-	1.0000	1.1766	46.01 m/s	1.2702 kPa
9.45 m	0.95	2.5000	0.9101	0	-	-	1.0000	1.1775	45.81 m/s	1.2591 kPa
8.93 m	0.95	2.5000	0.9053	0	-	-	1.0000	1.1784	45.61 m/s	1.2482 kPa
8.40 m	0.95	2.5000	0.9006	0	-	-	1.0000	1.1792	45.40 m/s	1.2367 kPa
7.88 m	0.95	2.5000	0.8959	0	-	-	1.0000	1.1801	45.20 m/s	1.2258 kPa
7.35 m	0.95	2.5000	0.8912	0	-	-	1.0000	1.1810	44.99 m/s	1.2145 kPa
6.83 m	0.95	2.5000	0.8864	1	7.00 m	20.39 m	0.9428	1.1819	42.22 m/s	1.0695 kPa
6.30 m	0.95	2.5000	0.8817	1	7.00 m	20.39 m	0.9318	1.1828	41.54 m/s	1.0353 kPa
5.78 m	0.95	2.5000	0.8770	1	7.00 m	20.39 m	0.9208	1.1837	40.86 m/s	1.0017 kPa
5.25 m	0.95	2.5000	0.8723	1	7.00 m	20.39 m	0.9099	1.1846	40.19 m/s	0.9691 kPa
4.73 m	0.95	2.5000	0.8700	1	7.00 m	20.39 m	0.8978	1.1855	39.59 m/s	0.9404 kPa
4.20 m	0.95	2.5000	0.8700	1	7.00 m	20.39 m	0.8758	1.1865	38.65 m/s	0.8963 kPa
3.68 m	0.95	2.5000	0.8700	1	7.00 m	20.39 m	0.8538	1.1874	37.71 m/s	0.8532 kPa
3.15 m	0.95	2.5000	0.8700	3	4.67 m	17.10 m	0.7958	1.1884	35.17 m/s	0.7422 kPa
2.63 m	0.95	2.5000	0.8700	3	4.67 m	17.10 m	0.7632	1.1894	33.76 m/s	0.6838 kPa
2.10 m	0.95	2.5000	0.8700	3	4.67 m	17.10 m	0.7306	1.1903	32.34 m/s	0.6275 kPa
1.58 m	0.95	2.5000	0.8700	3	4.67 m	17.10 m	0.7000	1.1913	31.02 m/s	0.5773 kPa
1.05 m	0.95	2.5000	0.8700	3	4.67 m	17.10 m	0.7000	1.1923	31.04 m/s	0.5781 kPa
0.53 m	0.95	2.5000	0.8700	3	4.67 m	17.10 m	0.7000	1.1933	31.07 m/s	0.5792 kPa
0.00 m	0.95	2.5000	0.8700	3	4.67 m	17.10 m	0.7000	1.1944	31.10 m/s	0.5803 kPa

WEST WIND

RL	Md	TC	Mz, cat	ns	hs	bs	Ms	Mt	Vsit,β	qsit,β
10.50 m	1.00	3.0000	0.8360	0	-	-	1.0000	1.0743	40.42 m/s	0.9803 kPa
9.98 m	1.00	3.0000	0.8300	0	-	-	1.0000	1.0749	40.15 m/s	0.9672 kPa
9.45 m	1.00	3.0000	0.8300	0	-	-	1.0000	1.0754	40.17 m/s	0.9682 kPa
8.93 m	1.00	3.0000	0.8300	0	-	-	1.0000	1.0760	40.19 m/s	0.9691 kPa
8.40 m	1.00	2.9912	0.8312	0	-	-	1.0000	1.0766	40.27 m/s	0.9730 kPa
7.88 m	1.00	2.9819	0.8324	0	-	-	1.0000	1.0772	40.35 m/s	0.9769 kPa
7.35 m	1.00	2.9729	0.8333	0	-	-	1.0000	1.0779	40.42 m/s	0.9803 kPa
6.83 m	1.00	2.9643	0.8340	0	-	-	1.0000	1.0797	40.52 m/s	0.9851 kPa
6.30 m	1.00	2.9559	0.8346	0	-	-	1.0000	1.0820	40.64 m/s	0.9910 kPa
5.78 m	1.00	2.9479	0.8349	0	-	-	1.0000	1.0843	40.74 m/s	0.9958 kPa
5.25 m	1.00	2.9401	0.8351	0	-	-	1.0000	1.0869	40.85 m/s	1.0012 kPa
4.73 m	1.00	2.9326	0.8354	0	-	-	1.0000	1.0895	40.96 m/s	1.0066 kPa
4.20 m	1.00	2.9253	0.8360	0	-	-	1.0000	1.0924	41.10 m/s	1.0135 kPa
3.68 m	1.00	2.9183	0.8365	0	-	-	1.0000	1.0954	41.23 m/s	1.0199 kPa
3.15 m	1.00	2.9115	0.8371	3	3.50 m	11.36 m	0.8388	1.0986	34.71 m/s	0.7229 kPa
2.63 m	1.00	2.9049	0.8376	3	3.50 m	11.36 m	0.8156	1.1021	33.88 m/s	0.6887 kPa
2.10 m	1.00	2.8986	0.8381	3	3.50 m	11.36 m	0.7850	1.1058	32.74 m/s	0.6431 kPa
1.58 m	1.00	2.8924	0.8386	3	3.50 m	11.36 m	0.7388	1.1098	30.94 m/s	0.5744 kPa
1.05 m	1.00	2.8864	0.8391	3	3.50 m	11.36 m	0.7000	1.1141	30.00 m/s	0.5400 kPa
0.53 m	1.00	2.8806	0.8396	3	3.50 m	11.36 m	0.7000	1.1187	30.00 m/s	0.5400 kPa
0.00 m	1.00	2.8750	0.8400	3	3.50 m	11.36 m	0.7000	1.1238	30.00 m/s	0.5400 kPa

NORTH WEST WIND

RL	Md	TC	Mz, cat	ns	hs	bs	Ms	Mt	Vsit,β	qsit,β
10.50 m	0.95	3.0000	0.8360	0	-	-	1.0000	1.1869	42.42 m/s	1.0797 kPa
9.98 m	0.95	3.0000	0.8300	0	-	-	1.0000	1.1878	42.15 m/s	1.0660 kPa
9.45 m	0.95	3.0000	0.8300	0	-	-	1.0000	1.1887	42.18 m/s	1.0675 kPa
8.93 m	0.95	3.0000	0.8300	0	-	-	1.0000	1.1895	42.21 m/s	1.0690 kPa
8.40 m	0.95	3.0000	0.8300	0	-	-	1.0000	1.1904	42.24 m/s	1.0705 kPa
7.88 m	0.95	3.0000	0.8300	0	-	-	1.0000	1.1913	42.27 m/s	1.0721 kPa
7.35 m	0.95	3.0000	0.8300	0	-	-	1.0000	1.1922	42.30 m/s	1.0736 kPa
6.83 m	0.95	3.0000	0.8300	2	7.00 m	22.66 m	0.8806	1.1931	37.28 m/s	0.8339 kPa
6.30 m	0.95	3.0000	0.8300	2	7.00 m	22.66 m	0.8667	1.1941	36.72 m/s	0.8090 kPa
5.78 m	0.95	3.0000	0.8300	2	7.00 m	22.66 m	0.8528	1.1950	36.16 m/s	0.7845 kPa
5.25 m	0.95	3.0000	0.8300	2	7.00 m	22.66 m	0.8390	1.1959	35.60 m/s	0.7604 kPa

4.73 m	0.95	3.0000	0.8300	2	7.00 m	22.66 m	0.8251	1.1969	35.04 m/s	0.7367 kPa
4.20 m	0.95	3.0000	0.8300	2	7.00 m	22.66 m	0.8112	1.1978	34.48 m/s	0.7133 kPa
3.68 m	0.95	3.0000	0.8300	2	7.00 m	22.66 m	0.7945	1.1988	33.80 m/s	0.6855 kPa
3.15 m	0.95	3.0000	0.8300	17	3.91 m	18.23 m	0.7390	1.1998	31.46 m/s	0.5938 kPa
2.63 m	0.95	3.0000	0.8300	17	3.91 m	18.23 m	0.7158	1.2008	30.50 m/s	0.5582 kPa
2.10 m	0.95	3.0000	0.8300	17	3.91 m	18.23 m	0.7000	1.2018	30.00 m/s	0.5400 kPa
1.58 m	0.95	3.0000	0.8300	17	3.91 m	18.23 m	0.7000	1.2028	30.00 m/s	0.5400 kPa
1.05 m	0.95	3.0000	0.8300	17	3.91 m	18.23 m	0.7000	1.2038	30.00 m/s	0.5400 kPa
0.53 m	0.95	3.0000	0.8300	17	3.91 m	18.23 m	0.7000	1.2048	30.00 m/s	0.5400 kPa
0.00 m	0.95	3.0000	0.8300	17	3.91 m	18.23 m	0.7000	1.2058	30.00 m/s	0.5400 kPa

LOAD CASE 2: Serviceability Wind

NORTH WIND

RL	Md	TC	Mz, cat	ns	hs	bs	Ms	Mt	Vsit,β	qsit,β
10.50 m	0.80	2.8225	0.8660	0	-	-	1.0000	1.1869	30.42 m/s	0.5552 kPa
9.98 m	0.80	2.8262	0.8595	0	-	-	1.0000	1.1878	30.22 m/s	0.5479 kPa
9.45 m	0.80	2.8297	0.8573	0	-	-	1.0000	1.1887	30.16 m/s	0.5458 kPa
8.93 m	0.80	2.8330	0.8552	0	-	-	1.0000	1.1895	30.11 m/s	0.5440 kPa
8.40 m	0.80	2.8363	0.8531	0	-	-	1.0000	1.1904	30.06 m/s	0.5422 kPa
7.88 m	0.80	2.8394	0.8512	0	-	-	1.0000	1.1913	30.02 m/s	0.5407 kPa
7.35 m	0.80	2.8424	0.8493	0	-	-	1.0000	1.1922	29.97 m/s	0.5389 kPa
6.83 m	0.80	2.8452	0.8475	2	7.00 m	20.73 m	0.8889	1.1931	26.60 m/s	0.4245 kPa
6.30 m	0.80	2.8480	0.8457	2	7.00 m	20.73 m	0.8743	1.1941	26.13 m/s	0.4097 kPa
5.78 m	0.80	2.8507	0.8440	2	7.00 m	20.73 m	0.8598	1.1950	25.67 m/s	0.3954 kPa
5.25 m	0.80	2.8533	0.8424	2	7.00 m	20.73 m	0.8453	1.1959	25.21 m/s	0.3813 kPa
4.73 m	0.80	2.8558	0.8415	2	7.00 m	20.73 m	0.8307	1.1969	24.77 m/s	0.3681 kPa
4.20 m	0.80	2.8582	0.8413	2	7.00 m	20.73 m	0.8162	1.1978	24.35 m/s	0.3558 kPa
3.68 m	0.80	2.8606	0.8412	2	7.00 m	20.73 m	0.8017	1.1988	23.93 m/s	0.3436 kPa
3.15 m	0.80	2.8628	0.8410	20	3.85 m	16.66 m	0.7442	1.1998	22.23 m/s	0.2965 kPa
2.63 m	0.80	2.8650	0.8408	20	3.85 m	16.66 m	0.7202	1.2008	21.52 m/s	0.2779 kPa
2.10 m	0.80	2.8671	0.8406	20	3.85 m	16.66 m	0.7000	1.2018	20.93 m/s	0.2628 kPa
1.58 m	0.80	2.8692	0.8405	20	3.85 m	16.66 m	0.7000	1.2028	20.95 m/s	0.2633 kPa
1.05 m	0.80	2.8712	0.8403	20	3.85 m	16.66 m	0.7000	1.2038	20.96 m/s	0.2636 kPa
0.53 m	0.80	2.8731	0.8402	20	3.85 m	16.66 m	0.7000	1.2048	20.97 m/s	0.2638 kPa
0.00 m	0.80	2.8750	0.8400	20	3.85 m	16.66 m	0.7000	1.2058	20.99 m/s	0.2643 kPa

NORTH EAST WIND

RL	Md	TC	Mz, cat	ns	hs	bs	Ms	Mt	Vsit,β	qsit,β
10.50 m	0.80	2.1450	0.9805	0	-	-	1.0000	1.1734	34.06 m/s	0.6961 kPa
9.98 m	0.80	2.1523	0.9737	0	-	-	1.0000	1.1741	33.84 m/s	0.6871 kPa
9.45 m	0.80	2.1593	0.9646	0	-	-	1.0000	1.1748	33.54 m/s	0.6750 kPa
8.93 m	0.80	2.1660	0.9556	0	-	-	1.0000	1.1755	33.25 m/s	0.6633 kPa
8.40 m	0.80	2.1725	0.9468	0	-	-	1.0000	1.1762	32.96 m/s	0.6518 kPa
7.88 m	0.80	2.1787	0.9382	0	-	-	1.0000	1.1769	32.68 m/s	0.6408 kPa
7.35 m	0.80	2.1847	0.9297	0	-	-	1.0000	1.1776	32.41 m/s	0.6302 kPa
6.83 m	0.80	2.1905	0.9214	2	7.00 m	25.20 m	0.8713	1.1783	28.00 m/s	0.4704 kPa
6.30 m	0.80	2.1961	0.9131	2	7.00 m	25.20 m	0.8581	1.1791	27.35 m/s	0.4488 kPa
5.78 m	0.80	2.2014	0.9050	2	7.00 m	25.20 m	0.8449	1.1798	26.70 m/s	0.4277 kPa
5.25 m	0.80	2.2066	0.8970	2	7.00 m	25.20 m	0.8318	1.1805	26.07 m/s	0.4078 kPa
4.73 m	0.80	2.2116	0.8931	2	7.00 m	25.20 m	0.8186	1.1813	25.56 m/s	0.3920 kPa
4.20 m	0.80	2.2165	0.8927	2	7.00 m	25.20 m	0.8054	1.1820	25.16 m/s	0.3798 kPa
3.68 m	0.80	2.2211	0.8923	2	7.00 m	25.20 m	0.7845	1.1828	24.51 m/s	0.3604 kPa
3.15 m	0.80	2.2257	0.8919	12	4.08 m	15.07 m	0.7562	1.1836	23.63 m/s	0.3350 kPa
2.63 m	0.80	2.2300	0.8916	12	4.08 m	15.07 m	0.7302	1.1843	22.82 m/s	0.3125 kPa
2.10 m	0.80	2.2343	0.8913	12	4.08 m	15.07 m	0.7041	1.1851	22.01 m/s	0.2907 kPa
1.58 m	0.80	2.2384	0.8909	12	4.08 m	15.07 m	0.7000	1.1859	21.89 m/s	0.2875 kPa
1.05 m	0.80	2.2424	0.8906	12	4.08 m	15.07 m	0.7000	1.1867	21.90 m/s	0.2878 kPa
0.53 m	0.80	2.2462	0.8903	12	4.08 m	15.07 m	0.7000	1.1875	21.91 m/s	0.2880 kPa
0.00 m	0.80	2.2500	0.8900	12	4.08 m	15.07 m	0.7000	1.1883	21.91 m/s	0.2880 kPa

EAST WIND

RL	Md	TC	Mz, cat	ns	hs	bs	Ms	Mt	Vsit,β	qsit,β
10.50 m	0.80	1.8788	1.0194	0	-	-	1.0000	1.2072	36.43 m/s	0.7963 kPa
9.98 m	0.80	1.8915	1.0126	0	-	-	1.0000	1.2082	36.21 m/s	0.7867 kPa
9.45 m	0.80	1.9038	1.0019	0	-	-	1.0000	1.2091	35.86 m/s	0.7716 kPa
8.93 m	0.80	1.9156	0.9911	0	-	-	1.0000	1.2101	35.50 m/s	0.7562 kPa
8.40 m	0.80	1.9269	0.9804	0	-	-	1.0000	1.2110	35.14 m/s	0.7409 kPa
7.88 m	0.80	1.9378	0.9697	0	-	-	1.0000	1.2120	34.79 m/s	0.7262 kPa
7.35 m	0.80	1.9483	0.9591	0	-	-	1.0000	1.2130	34.44 m/s	0.7117 kPa
6.83 m	0.80	1.9584	0.9484	1	7.00 m	31.12 m	0.9156	1.2140	31.20 m/s	0.5841 kPa
6.30 m	0.80	1.9681	0.9377	1	7.00 m	31.12 m	0.9067	1.2150	30.58 m/s	0.5611 kPa
5.78 m	0.80	1.9775	0.9270	1	7.00 m	31.12 m	0.8956	1.2160	29.88 m/s	0.5357 kPa
5.25 m	0.80	1.9866	0.9164	1	7.00 m	31.12 m	0.8779	1.2170	28.98 m/s	0.5039 kPa
4.73 m	0.80	1.9953	0.9106	1	7.00 m	31.12 m	0.8601	1.2181	28.24 m/s	0.4785 kPa
4.20 m	0.80	2.0038	0.9097	1	7.00 m	31.12 m	0.8423	1.2191	27.65 m/s	0.4587 kPa
3.68 m	0.80	2.0120	0.9090	1	7.00 m	31.12 m	0.8245	1.2202	27.07 m/s	0.4397 kPa
3.15 m	0.80	2.0199	0.9084	3	4.67 m	22.09 m	0.7723	1.2212	25.36 m/s	0.3859 kPa
2.63 m	0.80	2.0276	0.9078	3	4.67 m	22.09 m	0.7436	1.2223	24.42 m/s	0.3578 kPa
2.10 m	0.80	2.0350	0.9072	3	4.67 m	22.09 m	0.7149	1.2234	23.49 m/s	0.3311 kPa
1.58 m	0.80	2.0422	0.9066	3	4.67 m	22.09 m	0.7000	1.2245	23.00 m/s	0.3174 kPa
1.05 m	0.80	2.0492	0.9061	3	4.67 m	22.09 m	0.7000	1.2256	23.01 m/s	0.3177 kPa
0.53 m	0.80	2.0559	0.9055	3	4.67 m	22.09 m	0.7000	1.2267	23.02 m/s	0.3180 kPa
0.00 m	0.80	2.0625	0.9050	3	4.67 m	22.09 m	0.7000	1.2278	23.02 m/s	0.3180 kPa

SOUTH EAST WIND

RL	Md	TC	Mz, cat	ns	hs	bs	Ms	Mt	Vsit,β	qsit,β
10.50 m	0.95	1.9675	1.0089	0	-	-	1.0000	1.2072	42.81 m/s	1.0996 kPa
9.98 m	0.95	1.9785	1.0021	5	10.00 m	40.84 m	0.8152	1.2082	34.69 m/s	0.7220 kPa
9.45 m	0.95	1.9890	0.9914	5	10.00 m	40.84 m	0.8091	1.2091	34.09 m/s	0.6973 kPa
8.93 m	0.95	1.9991	0.9808	5	10.00 m	40.84 m	0.8031	1.2101	33.50 m/s	0.6734 kPa
8.40 m	0.95	2.0175	0.9687	5	10.00 m	40.84 m	0.7940	1.2110	32.74 m/s	0.6431 kPa
7.88 m	0.95	2.0362	0.9570	5	10.00 m	40.84 m	0.7819	1.2120	31.88 m/s	0.6098 kPa
7.35 m	0.95	2.0542	0.9457	5	10.00 m	40.84 m	0.7697	1.2130	31.04 m/s	0.5781 kPa
6.83 m	0.95	2.0715	0.9348	5	10.00 m	40.84 m	0.7576	1.2140	30.22 m/s	0.5479 kPa
6.30 m	0.95	2.0882	0.9243	5	10.00 m	40.84 m	0.7455	1.2150	29.43 m/s	0.5197 kPa
5.78 m	0.95	2.1043	0.9142	5	10.00 m	40.84 m	0.7334	1.2160	28.66 m/s	0.4928 kPa
5.25 m	0.95	2.1198	0.9044	5	10.00 m	40.84 m	0.7212	1.2170	27.90 m/s	0.4670 kPa

4.73 m	0.95	2.1348	0.8992	5	10.00 m	40.84 m	0.7091	1.2181	27.30 m/s	0.4472 kPa
4.20 m	0.95	2.1494	0.8980	5	10.00 m	40.84 m	0.7000	1.2191	26.94 m/s	0.4355 kPa
3.68 m	0.95	2.1634	0.8969	5	10.00 m	40.84 m	0.7000	1.2202	26.93 m/s	0.4351 kPa
3.15 m	0.95	2.1770	0.8958	7	8.14 m	32.70 m	0.7000	1.2212	26.92 m/s	0.4348 kPa
2.63 m	0.95	2.1901	0.8948	7	8.14 m	32.70 m	0.7000	1.2223	26.91 m/s	0.4345 kPa
2.10 m	0.95	2.2028	0.8938	7	8.14 m	32.70 m	0.7000	1.2234	26.90 m/s	0.4342 kPa
1.58 m	0.95	2.2152	0.8928	7	8.14 m	32.70 m	0.7000	1.2245	26.90 m/s	0.4342 kPa
1.05 m	0.95	2.2271	0.8918	7	8.14 m	32.70 m	0.7000	1.2256	26.89 m/s	0.4338 kPa
0.53 m	0.95	2.2387	0.8909	7	8.14 m	32.70 m	0.7000	1.2267	26.89 m/s	0.4338 kPa
0.00 m	0.95	2.2500	0.8900	7	8.14 m	32.70 m	0.7000	1.2278	26.89 m/s	0.4338 kPa

SOUTH WIND

RL	Md	TC	Mz, cat	ns	hs	bs	Ms	Mt	Vsit,β	qsit,β
10.50 m	0.90	2.0563	0.9955	0	-	-	1.0000	1.1907	39.47 m/s	0.9347 kPa
9.98 m	0.90	2.0654	0.9885	3	10.00 m	35.45 m	0.8472	1.1916	33.23 m/s	0.6625 kPa
9.45 m	0.90	2.0741	0.9782	3	10.00 m	35.45 m	0.8394	1.1925	32.61 m/s	0.6380 kPa
8.93 m	0.90	2.0826	0.9682	3	10.00 m	35.45 m	0.8317	1.1934	32.00 m/s	0.6144 kPa
8.40 m	0.90	2.0906	0.9584	3	10.00 m	35.45 m	0.8239	1.1943	31.40 m/s	0.5916 kPa
7.88 m	0.90	2.0984	0.9488	3	10.00 m	35.45 m	0.8162	1.1952	30.82 m/s	0.5699 kPa
7.35 m	0.90	2.1059	0.9393	3	10.00 m	35.45 m	0.8084	1.1961	30.24 m/s	0.5487 kPa
6.83 m	0.90	2.1131	0.9301	4	9.25 m	38.11 m	0.7818	1.1970	28.98 m/s	0.5039 kPa
6.30 m	0.90	2.1262	0.9204	4	9.25 m	38.11 m	0.7678	1.1980	28.19 m/s	0.4768 kPa
5.78 m	0.90	2.1416	0.9106	4	9.25 m	38.11 m	0.7538	1.1989	27.40 m/s	0.4505 kPa
5.25 m	0.90	2.1565	0.9013	4	9.25 m	38.11 m	0.7398	1.1999	26.64 m/s	0.4258 kPa
4.73 m	0.90	2.1709	0.8963	4	9.25 m	38.11 m	0.7258	1.2009	26.01 m/s	0.4059 kPa
4.20 m	0.90	2.1848	0.8952	4	9.25 m	38.11 m	0.7118	1.2019	25.50 m/s	0.3902 kPa
3.68 m	0.90	2.1983	0.8941	4	9.25 m	38.11 m	0.7000	1.2029	25.07 m/s	0.3771 kPa
3.15 m	0.90	2.2113	0.8931	8	6.38 m	26.29 m	0.7013	1.2039	25.11 m/s	0.3783 kPa
2.63 m	0.90	2.2239	0.8921	8	6.38 m	26.29 m	0.7000	1.2049	25.06 m/s	0.3768 kPa
2.10 m	0.90	2.2361	0.8911	8	6.38 m	26.29 m	0.7000	1.2059	25.05 m/s	0.3765 kPa
1.58 m	0.90	2.2479	0.8902	8	6.38 m	26.29 m	0.7000	1.2069	25.04 m/s	0.3762 kPa
1.05 m	0.90	2.2594	0.8892	8	6.38 m	26.29 m	0.7000	1.2080	25.04 m/s	0.3762 kPa
0.53 m	0.90	2.2705	0.8884	8	6.38 m	26.29 m	0.7000	1.2090	25.04 m/s	0.3762 kPa
0.00 m	0.90	2.2813	0.8875	8	6.38 m	26.29 m	0.7000	1.2101	25.03 m/s	0.3759 kPa

SOUTH WEST WIND

RL	Md	TC	Mz, cat	ns	hs	bs	Ms	Mt	Vsit,β	qsit,β
10.50 m	0.95	2.5000	0.9205	0	-	-	1.0000	1.1758	38.04 m/s	0.8682 kPa
9.98 m	0.95	2.5000	0.9148	0	-	-	1.0000	1.1766	37.83 m/s	0.8587 kPa
9.45 m	0.95	2.5000	0.9101	0	-	-	1.0000	1.1775	37.67 m/s	0.8514 kPa
8.93 m	0.95	2.5000	0.9053	0	-	-	1.0000	1.1784	37.50 m/s	0.8438 kPa
8.40 m	0.95	2.5000	0.9006	0	-	-	1.0000	1.1792	37.33 m/s	0.8361 kPa
7.88 m	0.95	2.5000	0.8959	0	-	-	1.0000	1.1801	37.16 m/s	0.8285 kPa
7.35 m	0.95	2.5000	0.8912	0	-	-	1.0000	1.1810	37.00 m/s	0.8214 kPa
6.83 m	0.95	2.5000	0.8864	1	7.00 m	20.39 m	0.9428	1.1819	34.72 m/s	0.7233 kPa
6.30 m	0.95	2.5000	0.8817	1	7.00 m	20.39 m	0.9318	1.1828	34.16 m/s	0.7001 kPa
5.78 m	0.95	2.5000	0.8770	1	7.00 m	20.39 m	0.9208	1.1837	33.60 m/s	0.6774 kPa
5.25 m	0.95	2.5000	0.8723	1	7.00 m	20.39 m	0.9099	1.1846	33.05 m/s	0.6554 kPa
4.73 m	0.95	2.5000	0.8700	1	7.00 m	20.39 m	0.8978	1.1855	32.55 m/s	0.6357 kPa
4.20 m	0.95	2.5000	0.8700	1	7.00 m	20.39 m	0.8758	1.1865	31.78 m/s	0.6060 kPa
3.68 m	0.95	2.5000	0.8700	1	7.00 m	20.39 m	0.8538	1.1874	31.00 m/s	0.5766 kPa
3.15 m	0.95	2.5000	0.8700	3	4.67 m	17.10 m	0.7958	1.1884	28.92 m/s	0.5018 kPa
2.63 m	0.95	2.5000	0.8700	3	4.67 m	17.10 m	0.7632	1.1894	27.76 m/s	0.4624 kPa
2.10 m	0.95	2.5000	0.8700	3	4.67 m	17.10 m	0.7306	1.1903	26.59 m/s	0.4242 kPa
1.58 m	0.95	2.5000	0.8700	3	4.67 m	17.10 m	0.7000	1.1913	25.50 m/s	0.3902 kPa
1.05 m	0.95	2.5000	0.8700	3	4.67 m	17.10 m	0.7000	1.1923	25.52 m/s	0.3908 kPa
0.53 m	0.95	2.5000	0.8700	3	4.67 m	17.10 m	0.7000	1.1933	25.54 m/s	0.3914 kPa
0.00 m	0.95	2.5000	0.8700	3	4.67 m	17.10 m	0.7000	1.1944	25.57 m/s	0.3923 kPa

WEST WIND

RL	Md	TC	Mz, cat	ns	hs	bs	Ms	Mt	Vsit,β	qsit,β
10.50 m	1.00	3.0000	0.8360	0	-	-	1.0000	1.0743	33.23 m/s	0.6625 kPa
9.98 m	1.00	3.0000	0.8300	0	-	-	1.0000	1.0749	33.01 m/s	0.6538 kPa
9.45 m	1.00	3.0000	0.8300	0	-	-	1.0000	1.0754	33.03 m/s	0.6546 kPa
8.93 m	1.00	3.0000	0.8300	0	-	-	1.0000	1.0760	33.04 m/s	0.6550 kPa
8.40 m	1.00	2.9912	0.8312	0	-	-	1.0000	1.0766	33.11 m/s	0.6578 kPa
7.88 m	1.00	2.9819	0.8324	0	-	-	1.0000	1.0772	33.18 m/s	0.6605 kPa
7.35 m	1.00	2.9729	0.8333	0	-	-	1.0000	1.0779	33.23 m/s	0.6625 kPa
6.83 m	1.00	2.9643	0.8340	0	-	-	1.0000	1.0797	33.32 m/s	0.6661 kPa
6.30 m	1.00	2.9559	0.8346	0	-	-	1.0000	1.0820	33.41 m/s	0.6697 kPa
5.78 m	1.00	2.9479	0.8349	0	-	-	1.0000	1.0843	33.50 m/s	0.6734 kPa
5.25 m	1.00	2.9401	0.8351	0	-	-	1.0000	1.0869	33.58 m/s	0.6766 kPa
4.73 m	1.00	2.9326	0.8354	0	-	-	1.0000	1.0895	33.68 m/s	0.6806 kPa
4.20 m	1.00	2.9253	0.8360	0	-	-	1.0000	1.0924	33.79 m/s	0.6851 kPa
3.68 m	1.00	2.9183	0.8365	0	-	-	1.0000	1.0954	33.90 m/s	0.6895 kPa
3.15 m	1.00	2.9115	0.8371	3	3.50 m	11.36 m	0.8388	1.0986	28.54 m/s	0.4887 kPa
2.63 m	1.00	2.9049	0.8376	3	3.50 m	11.36 m	0.8156	1.1021	27.86 m/s	0.4657 kPa
2.10 m	1.00	2.8986	0.8381	3	3.50 m	11.36 m	0.7850	1.1058	26.92 m/s	0.4348 kPa
1.58 m	1.00	2.8924	0.8386	3	3.50 m	11.36 m	0.7388	1.1098	25.44 m/s	0.3883 kPa
1.05 m	1.00	2.8864	0.8391	3	3.50 m	11.36 m	0.7000	1.1141	24.21 m/s	0.3517 kPa
0.53 m	1.00	2.8806	0.8396	3	3.50 m	11.36 m	0.7000	1.1187	24.33 m/s	0.3552 kPa
0.00 m	1.00	2.8750	0.8400	3	3.50 m	11.36 m	0.7000	1.1238	24.45 m/s	0.3587 kPa

NORTH WEST WIND

RL	Md	TC	Mz, cat	ns	hs	bs	Ms	Mt	Vsit,β	qsit,β
10.50 m	0.95	3.0000	0.8360	0	-	-	1.0000	1.1869	34.88 m/s	0.7300 kPa
9.98 m	0.95	3.0000	0.8300	0	-	-	1.0000	1.1878	34.65 m/s	0.7204 kPa
9.45 m	0.95	3.0000	0.8300	0	-	-	1.0000	1.1887	34.68 m/s	0.7216 kPa
8.93 m	0.95	3.0000	0.8300	0	-	-	1.0000	1.1895	34.70 m/s	0.7225 kPa
8.40 m	0.95	3.0000	0.8300	0	-	-	1.0000	1.1904	34.73 m/s	0.7237 kPa
7.88 m	0.95	3.0000	0.8300	0	-	-	1.0000	1.1913	34.76 m/s	0.7250 kPa
7.35 m	0.95	3.0000	0.8300	0	-	-	1.0000	1.1922	34.78 m/s	0.7258 kPa
6.83 m	0.95	3.0000	0.8300	2	7.00 m	22.66 m	0.8806	1.1931	30.65 m/s	0.5637 kPa
6.30 m	0.95	3.0000	0.8300	2	7.00 m	22.66 m	0.8667	1.1941	30.19 m/s	0.5469 kPa
5.78 m	0.95	3.0000	0.8300	2	7.00 m	22.66 m	0.8528	1.1950	29.73 m/s	0.5303 kPa
5.25 m	0.95	3.0000	0.8300	2	7.00 m	22.66 m	0.8390	1.1959	29.27 m/s	0.5140 kPa
4.73 m	0.95	3.0000	0.8300	2	7.00 m	22.66 m	0.8251	1.1969	28.81 m/s	0.4980 kPa
4.20 m	0.95	3.0000	0.8300	2	7.00 m	22.66 m	0.8112	1.1978	28.35 m/s	0.4822 kPa

3.68 m	0.95	3.0000	0.8300	2	7.00 m	22.66 m	0.7945	1.1988	27.79 m/s	0.4634 kPa
3.15 m	0.95	3.0000	0.8300	17	3.91 m	18.23 m	0.7390	1.1998	25.87 m/s	0.4016 kPa
2.63 m	0.95	3.0000	0.8300	17	3.91 m	18.23 m	0.7158	1.2008	25.08 m/s	0.3774 kPa
2.10 m	0.95	3.0000	0.8300	17	3.91 m	18.23 m	0.7000	1.2018	24.54 m/s	0.3613 kPa
1.58 m	0.95	3.0000	0.8300	17	3.91 m	18.23 m	0.7000	1.2028	24.56 m/s	0.3619 kPa
1.05 m	0.95	3.0000	0.8300	17	3.91 m	18.23 m	0.7000	1.2038	24.58 m/s	0.3625 kPa
0.53 m	0.95	3.0000	0.8300	17	3.91 m	18.23 m	0.7000	1.2048	24.60 m/s	0.3631 kPa
0.00 m	0.95	3.0000	0.8300	17	3.91 m	18.23 m	0.7000	1.2058	24.63 m/s	0.3640 kPa

----- EXTERNAL PRESSURES -----

LOAD CASE 1: Ultimate Wind

NORTH NORTH WEST FACE

WALLS

SURFACE	DISTANCE FROM EDGE	Ka	Kc	Cp,e	pdes, θ
Windward	All	1.0000	1.00	0.7000	0.7558 kPa
Leeward	All	1.0000	1.00	-0.5000	-0.5399 kPa
Side	0.00 m to 10.50 m	1.0000	1.00	-0.6500	-0.7018 kPa
	10.50 m to 20.00 m	1.0000	1.00	-0.5000	-0.5399 kPa

ROOF

SURFACE	DISTANCE FROM EDGE	Ka	Kc	Cp,e	pdes, θ
Upwind, Downwind & Crosswind Slopes	0.00 m to 5.25 m	1.0000	1.00	-0.9200 / -0.4100	-0.9933 kPa / -0.4427 kPa
	5.25 m to 10.50 m	1.0000	1.00	-0.8900 / -0.3950	-0.9609 kPa / -0.4265 kPa
	10.50 m to 20.00 m	1.0000	1.00	-0.5100 / -0.0150	-0.5506 kPa / -0.0162 kPa

EAST NORTH EAST FACE

WALLS

SURFACE	DISTANCE FROM EDGE	Ka	Kc	Cp,e	pdes, θ
Windward	All	1.0000	1.00	0.7000	0.9752 kPa
Leeward	All	1.0000	1.00	-0.3000	-0.4179 kPa
Side	0.00 m to 10.50 m	1.0000	1.00	-0.6500	-0.9055 kPa
	10.50 m to 21.00 m	0.8907 (A = 32.00 m ²)	0.90	-0.5000	-0.5584 kPa
	21.00 m to 31.50 m	1.0000	1.00	-0.3000	-0.4179 kPa
	31.50 m to 40.00 m	1.0000	1.00	-0.2000	-0.2786 kPa

ROOF

SURFACE	DISTANCE FROM EDGE	Ka	Kc	Cp,e	pdes, θ
Upwind, Downwind & Crosswind Slopes	0.00 m to 10.50 m	1.0000	1.00	-0.9000 / -0.4000	-1.2538 kPa / -0.5572 kPa
	10.50 m to 21.00 m	1.0000	1.00	-0.5000 / 0.0000	-0.6966 kPa / 0.0000 kPa
	21.00 m to 31.50 m	1.0000	1.00	-0.3000 / 0.1000	-0.4179 kPa / 0.1393 kPa
	31.50 m to 40.00 m	1.0000	1.00	-0.2000 / 0.2000	-0.2786 kPa / 0.2786 kPa

SOUTH SOUTH EAST FACE

WALLS

SURFACE	DISTANCE FROM EDGE	Ka	Kc	Cp,e	pdes, θ
Windward	All	1.0000	1.00	0.7000	1.1388 kPa
Leeward	All	1.0000	1.00	-0.5000	-0.8134 kPa
Side	0.00 m to 10.50 m	1.0000	1.00	-0.6500	-1.0574 kPa
	10.50 m to 20.00 m	1.0000	1.00	-0.5000	-0.8134 kPa

ROOF

SURFACE	DISTANCE FROM EDGE	Ka	Kc	Cp,e	pdes, θ
Upwind, Downwind & Crosswind Slopes	0.00 m to 5.25 m	1.0000	1.00	-0.9200 / -0.4100	-1.4967 kPa / -0.6670 kPa
	5.25 m to 10.50 m	1.0000	1.00	-0.8900 / -0.3950	-1.4479 kPa / -0.6426 kPa
	10.50 m to 20.00 m	1.0000	1.00	-0.5100 / -0.0150	-0.8297 kPa / -0.0244 kPa

WEST SOUTH WEST FACE

WALLS

SURFACE	DISTANCE FROM EDGE	Ka	Kc	Cp,e	pdes, θ
Windward	All	1.0000	1.00	0.7000	0.9333 kPa
Leeward	All	1.0000	1.00	-0.3000	-0.4000 kPa
Side	0.00 m to 10.50 m	1.0000	1.00	-0.6500	-0.8666 kPa
	10.50 m to 21.00 m	1.0000	1.00	-0.5000	-0.6667 kPa
	21.00 m to 31.50 m	1.0000	1.00	-0.3000	-0.4000 kPa
	31.50 m to 40.00 m	1.0000	1.00	-0.2000	-0.2667 kPa

ROOF

SURFACE	DISTANCE FROM EDGE	Ka	Kc	Cp,e	pdes, θ
Upwind, Downwind & Crosswind Slopes	0.00 m to 10.50 m	1.0000	1.00	-0.9000 / -0.4000	-1.2000 kPa / -0.5333 kPa
	10.50 m to 21.00 m	1.0000	1.00	-0.5000 / 0.0000	-0.6667 kPa / 0.0000 kPa
	21.00 m to 31.50 m	1.0000	1.00	-0.3000 / 0.1000	-0.4000 kPa / 0.1333 kPa
	31.50 m to 40.00 m	1.0000	1.00	-0.2000 / 0.2000	-0.2667 kPa / 0.2667 kPa

LOAD CASE 2: Serviceability Wind

NORTH NORTH WEST FACE

WALLS

SURFACE	DISTANCE FROM EDGE	Ka	Kc	Cp,e	pdes,θ
Windward	All	1.0000	1.00	0.7000	0.5110 kPa
Leeward	All	1.0000	1.00	-0.5000	-0.3650 kPa
Side	0.00 m to 10.50 m	1.0000	1.00	-0.6500	-0.4745 kPa
	10.50 m to 20.00 m	1.0000	1.00	-0.5000	-0.3650 kPa
ROOF					
SURFACE	DISTANCE FROM EDGE	Ka	Kc	Cp,e	pdes,θ
Upwind, Downwind & Crosswind Slopes	0.00 m to 5.25 m	1.0000	1.00	-0.9200 / -0.4100	-0.6716 kPa / -0.2993 kPa
	5.25 m to 10.50 m	1.0000	1.00	-0.8900 / -0.3950	-0.6497 kPa / -0.2884 kPa
	10.50 m to 20.00 m	1.0000	1.00	-0.5100 / -0.0150	-0.3723 kPa / -0.0110 kPa
EAST NORTH EAST FACE					
WALLS					
SURFACE	DISTANCE FROM EDGE	Ka	Kc	Cp,e	pdes,θ
Windward	All	1.0000	1.00	0.7000	0.6593 kPa
Leeward	All	1.0000	1.00	-0.3000	-0.2825 kPa
Side	0.00 m to 10.50 m	1.0000	1.00	-0.6500	-0.6122 kPa
	10.50 m to 21.00 m	0.8907 (A = 32.00 m²)	0.90	-0.5000	-0.3775 kPa
	21.00 m to 31.50 m	1.0000	1.00	-0.3000	-0.2825 kPa
	31.50 m to 40.00 m	1.0000	1.00	-0.2000	-0.1884 kPa
ROOF					
SURFACE	DISTANCE FROM EDGE	Ka	Kc	Cp,e	pdes,θ
Upwind, Downwind & Crosswind Slopes	0.00 m to 10.50 m	1.0000	1.00	-0.9000 / -0.4000	-0.8476 kPa / -0.3767 kPa
	10.50 m to 21.00 m	1.0000	1.00	-0.5000 / 0.0000	-0.4709 kPa / 0.0000 kPa
	21.00 m to 31.50 m	1.0000	1.00	-0.3000 / 0.1000	-0.2825 kPa / 0.0942 kPa
	31.50 m to 40.00 m	1.0000	1.00	-0.2000 / 0.2000	-0.1884 kPa / 0.1884 kPa
SOUTH SOUTH EAST FACE					
WALLS					
SURFACE	DISTANCE FROM EDGE	Ka	Kc	Cp,e	pdes,θ
Windward	All	1.0000	1.00	0.7000	0.7697 kPa
Leeward	All	1.0000	1.00	-0.5000	-0.5498 kPa
Side	0.00 m to 10.50 m	1.0000	1.00	-0.6500	-0.7147 kPa
	10.50 m to 20.00 m	1.0000	1.00	-0.5000	-0.5498 kPa
ROOF					
SURFACE	DISTANCE FROM EDGE	Ka	Kc	Cp,e	pdes,θ
Upwind, Downwind & Crosswind Slopes	0.00 m to 5.25 m	1.0000	1.00	-0.9200 / -0.4100	-1.0116 kPa / -0.4508 kPa
	5.25 m to 10.50 m	1.0000	1.00	-0.8900 / -0.3950	-0.9786 kPa / -0.4343 kPa
	10.50 m to 20.00 m	1.0000	1.00	-0.5100 / -0.0150	-0.5608 kPa / -0.0165 kPa
WEST SOUTH WEST FACE					
WALLS					
SURFACE	DISTANCE FROM EDGE	Ka	Kc	Cp,e	pdes,θ
Windward	All	1.0000	1.00	0.7000	0.6308 kPa
Leeward	All	1.0000	1.00	-0.3000	-0.2704 kPa
Side	0.00 m to 10.50 m	1.0000	1.00	-0.6500	-0.5858 kPa
	10.50 m to 21.00 m	1.0000	1.00	-0.5000	-0.4506 kPa
	21.00 m to 31.50 m	1.0000	1.00	-0.3000	-0.2704 kPa
	31.50 m to 40.00 m	1.0000	1.00	-0.2000	-0.1802 kPa
ROOF					
SURFACE	DISTANCE FROM EDGE	Ka	Kc	Cp,e	pdes,θ
Upwind, Downwind & Crosswind Slopes	0.00 m to 10.50 m	1.0000	1.00	-0.9000 / -0.4000	-0.8111 kPa / -0.3605 kPa
	10.50 m to 21.00 m	1.0000	1.00	-0.5000 / 0.0000	-0.4506 kPa / 0.0000 kPa
	21.00 m to 31.50 m	1.0000	1.00	-0.3000 / 0.1000	-0.2704 kPa / 0.0901 kPa
	31.50 m to 40.00 m	1.0000	1.00	-0.2000 / 0.2000	-0.1802 kPa / 0.1802 kPa

----- LOCAL PRESSURES -----

LOAD CASE 1: Ultimate Wind

NORTH NORTH WEST FACE						
WALLS						
SURFACE	DISTANCE FROM EDGE	REF.	AREA	K1	Cfig,e	pdes,θ
Windward	All	WA1	4.00 m²	1.5000	1.0500	1.1337 kPa
Side	0.00 m to 4.00 m	SA1	16.00 m²	1.5000	-0.9750	-1.0527 kPa
	0.00 m to 2.00 m	SA2	4.00 m²	2.0000	-1.3000	-1.4036 kPa
ROOF						
SURFACE	DISTANCE FROM EDGE	REF.	AREA	K1	Cfig,e	pdes,θ
Upwind Edges	0.00 m to 4.00 m	RA1	16.00 m²	1.1786 (hp = 1.10 m)	-1.0843	-1.1707 kPa
	0.00 m to 2.00 m	RA2	4.00 m²	1.5714 (hp = 1.10 m)	-1.4457	-1.5609 kPa

Upwind Corners	0.00 m to 4.00 m	RC1	4.00 m ²	2.3571 (hp = 1.10 m)	-2.1686	-2.3414 kPa
EAST NORTH EAST FACE						
WALLS						
SURFACE	DISTANCE FROM EDGE	REF.	AREA	K1	Cfig,e	pdes,θ
Windward	All	WA1	4.00 m ²	1.5000	1.0500	1.4628 kPa
Side	0.00 m to 4.00 m 0.00 m to 2.00 m	SA1 SA2	16.00 m ² 4.00 m ²	1.5000 2.0000	-0.9750 -1.3000	-1.3583 kPa -1.8110 kPa
ROOF						
SURFACE	DISTANCE FROM EDGE	REF.	AREA	K1	Cfig,e	pdes,θ
Upwind Edges	0.00 m to 4.00 m 0.00 m to 2.00 m	RA1 RA2	16.00 m ² 4.00 m ²	1.1786 (hp = 1.10 m) 1.5714 (hp = 1.10 m)	-1.0607 -1.4143	-1.4777 kPa -1.9702 kPa
Upwind Corners	0.00 m to 4.00 m	RC1	4.00 m ²	2.3571 (hp = 1.10 m)	-2.1214	-2.9554 kPa
SOUTH SOUTH EAST FACE						
WALLS						
SURFACE	DISTANCE FROM EDGE	REF.	AREA	K1	Cfig,e	pdes,θ
Windward	All	WA1	4.00 m ²	1.5000	1.0500	1.7081 kPa
Side	0.00 m to 4.00 m 0.00 m to 2.00 m	SA1 SA2	16.00 m ² 4.00 m ²	1.5000 2.0000	-0.9750 -1.3000	-1.5861 kPa -2.1148 kPa
ROOF						
SURFACE	DISTANCE FROM EDGE	REF.	AREA	K1	Cfig,e	pdes,θ
Upwind Edges	0.00 m to 4.00 m 0.00 m to 2.00 m	RA1 RA2	16.00 m ² 4.00 m ²	1.1786 (hp = 1.10 m) 1.5714 (hp = 1.10 m)	-1.0843 -1.4457	-1.7639 kPa -2.3519 kPa
Upwind Corners	0.00 m to 4.00 m	RC1	4.00 m ²	2.3571 (hp = 1.10 m)	-2.1686	-3.5278 kPa
WEST SOUTH WEST FACE						
WALLS						
SURFACE	DISTANCE FROM EDGE	REF.	AREA	K1	Cfig,e	pdes,θ
Windward	All	WA1	4.00 m ²	1.5000	1.0500	1.4000 kPa
Side	0.00 m to 4.00 m 0.00 m to 2.00 m	SA1 SA2	16.00 m ² 4.00 m ²	1.5000 2.0000	-0.9750 -1.3000	-1.3000 kPa -1.7333 kPa
ROOF						
SURFACE	DISTANCE FROM EDGE	REF.	AREA	K1	Cfig,e	pdes,θ
Upwind Edges	0.00 m to 4.00 m 0.00 m to 2.00 m	RA1 RA2	16.00 m ² 4.00 m ²	1.1786 (hp = 1.10 m) 1.5714 (hp = 1.10 m)	-1.0607 -1.4143	-1.4143 kPa -1.8857 kPa
Upwind Corners	0.00 m to 4.00 m	RC1	4.00 m ²	2.3571 (hp = 1.10 m)	-2.1214	-2.8285 kPa
LOAD CASE 2: Serviceability Wind						
NORTH NORTH WEST FACE						
WALLS						
SURFACE	DISTANCE FROM EDGE	REF.	AREA	K1	Cfig,e	pdes,θ
Windward	All	WA1	4.00 m ²	1.5000	1.0500	0.7665 kPa
Side	0.00 m to 4.00 m 0.00 m to 2.00 m	SA1 SA2	16.00 m ² 4.00 m ²	1.5000 2.0000	-0.9750 -1.3000	-0.7118 kPa -0.9490 kPa
ROOF						
SURFACE	DISTANCE FROM EDGE	REF.	AREA	K1	Cfig,e	pdes,θ
Upwind Edges	0.00 m to 4.00 m 0.00 m to 2.00 m	RA1 RA2	16.00 m ² 4.00 m ²	1.1786 (hp = 1.10 m) 1.5714 (hp = 1.10 m)	-1.0843 -1.4457	-0.7915 kPa -1.0554 kPa
Upwind Corners	0.00 m to 4.00 m	RC1	4.00 m ²	2.3571 (hp = 1.10 m)	-2.1686	-1.5831 kPa
EAST NORTH EAST FACE						
WALLS						
SURFACE	DISTANCE FROM EDGE	REF.	AREA	K1	Cfig,e	pdes,θ
Windward	All	WA1	4.00 m ²	1.5000	1.0500	0.9889 kPa
Side	0.00 m to 4.00 m 0.00 m to 2.00 m	SA1 SA2	16.00 m ² 4.00 m ²	1.5000 2.0000	-0.9750 -1.3000	-0.9183 kPa -1.2243 kPa
ROOF						
SURFACE	DISTANCE FROM EDGE	REF.	AREA	K1	Cfig,e	pdes,θ
Upwind Edges	0.00 m to 4.00 m 0.00 m to 2.00 m	RA1 RA2	16.00 m ² 4.00 m ²	1.1786 (hp = 1.10 m) 1.5714 (hp = 1.10 m)	-1.0607 -1.4143	-0.9990 kPa -1.3320 kPa
Upwind Corners	0.00 m to 4.00 m	RC1	4.00 m ²	2.3571 (hp = 1.10 m)	-2.1214	-1.9980 kPa
SOUTH SOUTH EAST FACE						
WALLS						
SURFACE	DISTANCE FROM EDGE	REF.	AREA	K1	Cfig,e	pdes,θ

Windward	All	WA1	4.00 m ²	1.5000	1.0500	1.1546 kPa
Side	0.00 m to 4.00 m	SA1	16.00 m ²	1.5000	-0.9750	-1.0721 kPa
	0.00 m to 2.00 m	SA2	4.00 m ²	2.0000	-1.3000	-1.4295 kPa
ROOF						
SURFACE	DISTANCE FROM EDGE	REF.	AREA	K1	Cfig,e	pdes,θ
Upwind Edges	0.00 m to 4.00 m	RA1	16.00 m ²	1.1786 (hp = 1.10 m)	-1.0843	-1.1923 kPa
	0.00 m to 2.00 m	RA2	4.00 m ²	1.5714 (hp = 1.10 m)	-1.4457	-1.5897 kPa
Upwind Corners	0.00 m to 4.00 m	RC1	4.00 m ²	2.3571 (hp = 1.10 m)	-2.1686	-2.3846 kPa
WEST SOUTH WEST FACE						
WALLS						
SURFACE	DISTANCE FROM EDGE	REF.	AREA	K1	Cfig,e	pdes,θ
Windward	All	WA1	4.00 m ²	1.5000	1.0500	0.9463 kPa
Side	0.00 m to 4.00 m	SA1	16.00 m ²	1.5000	-0.9750	-0.8787 kPa
	0.00 m to 2.00 m	SA2	4.00 m ²	2.0000	-1.3000	-1.1716 kPa
ROOF						
SURFACE	DISTANCE FROM EDGE	REF.	AREA	K1	Cfig,e	pdes,θ
Upwind Edges	0.00 m to 4.00 m	RA1	16.00 m ²	1.1786 (hp = 1.10 m)	-1.0607	-0.9559 kPa
	0.00 m to 2.00 m	RA2	4.00 m ²	1.5714 (hp = 1.10 m)	-1.4143	-1.2746 kPa
Upwind Corners	0.00 m to 4.00 m	RC1	4.00 m ²	2.3571 (hp = 1.10 m)	-2.1214	-1.9118 kPa

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