

A/ PARKING STALL GUIDELINES (MINIMUM STALL WIDTHS)

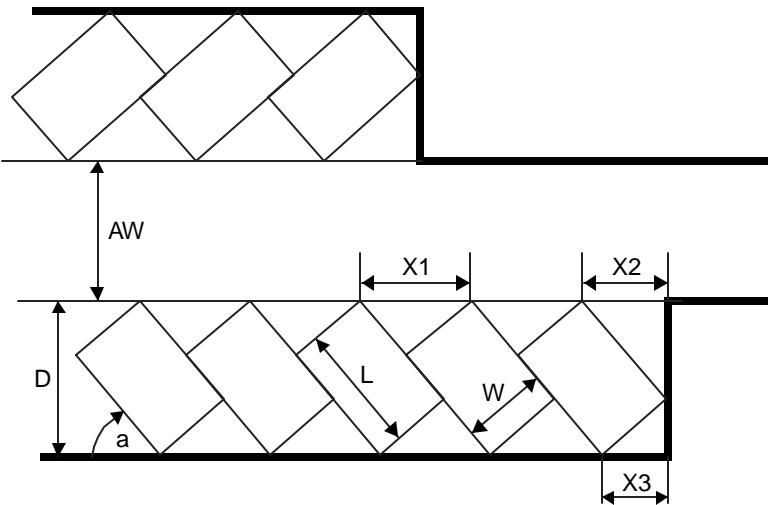
ANGLE PARKING TABLE (all dimensions in metres)

PARKING ANGLE (degrees)	DEPTH OF STALL (D)				REQ'D AISLE WIDTH
	SMALL CARS (W=...)		NORMAL CARS (W=...)		
	2.30	2.60*	2.50	2.70*	
PARALLEL	-	-	**SEENOTE**		3.6
20	3.73	4.02	4.23	4.42	3.6
25	4.03	4.30	4.59	4.77	3.6
30	4.29	4.55	4.92	5.09	3.6
35	4.52	4.77	5.20	5.37	3.6
40	4.72	4.95	5.45	5.60	3.6
45	4.88	5.09	5.66	5.80	3.6
50	5.00	5.20	5.82	5.95	3.9
55	5.09	5.26	5.94	6.05	4.2
60	5.13	5.28	6.01	6.11	4.5
65	5.14	5.27	6.04	6.13	4.8
70	5.11	5.21	6.02	6.09	5.1
75	5.04	5.12	5.96	6.01	5.4
80	4.93	4.98	5.85	5.89	5.8
85	4.78	4.81	5.70	5.71	6.2
90	4.60	4.60	5.50	5.50	6.6

ANGLE PARKING TABLE (all dimensions in feet)

PARKING ANGLE (degrees)	DEPTH OF STALL (D)				REQ'D AISLE WIDTH
	SMALL CARS (W=...)		NORMAL CARS (W=...)		
	7.55	8.53*	8.20	8.86*	
PARALLEL	-	-	**SEENOTE**		11.8
20	12.3	13.2	13.9	14.5	11.8
25	13.2	14.1	15.1	15.7	11.8
30	14.1	14.9	16.1	16.7	11.8
35	14.8	15.6	17.1	17.6	11.8
40	15.5	16.2	17.9	18.4	11.8
45	16.0	16.7	18.6	19.0	11.8
50	16.4	17.0	19.1	19.5	12.8
55	16.7	17.3	19.5	19.9	13.8
60	16.8	17.3	19.7	20.1	14.8
65	16.9	17.3	19.8	20.1	15.8
70	16.8	17.1	19.8	20.0	16.7
75	16.5	16.8	19.6	19.7	17.7
80	16.2	16.3	19.2	19.3	19.0
85	15.7	15.8	18.7	18.8	20.3
90	15.1	15.1	18.0	18.0	21.7

\*These increased widths may be required (see section II. PARKING AREA A. Note 1:)



NOTE:

Parallel parking stalls shall be 2.5 m x 6.4 m with 3.6 m aisle width

PARKING STALL LAYOUT

(1) SELECT

- W = parking stall width
- L = parking stall length
- a = parking angle (degrees)

(2) LOOKUP IN TABLES:

- D = depth of parking stalls
- AW = required minimum aisle width

(3) ADDITIONAL LAYOUT INFORMATION

- $X1 = \text{space between stalls} = W / \sin(a)$
- $X2 = L \cos(a)$
- $X3 = W \sin(a)$

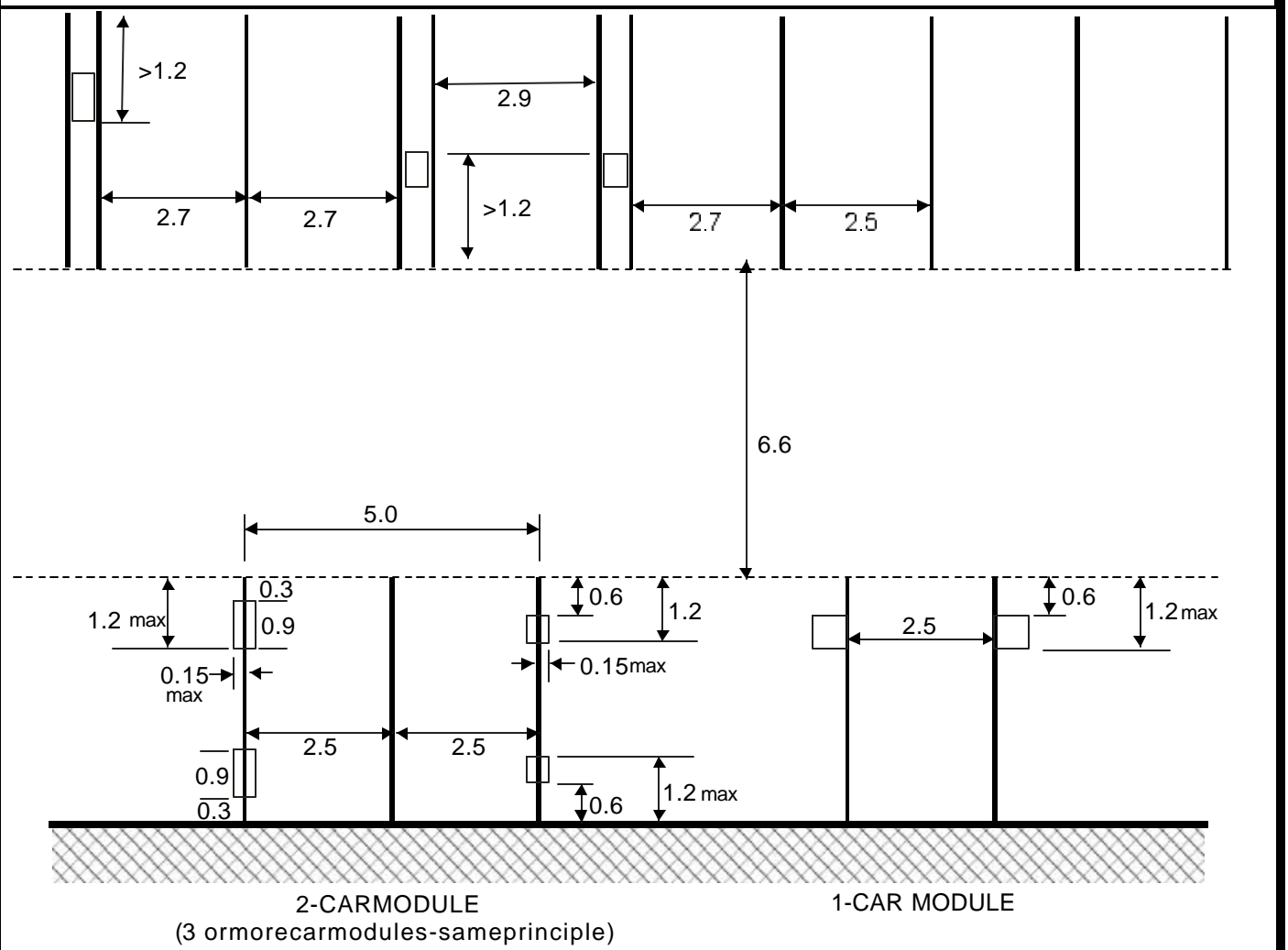
B/GUIDELINES FOR WIDENING STALL WIDTHS TO MINIMIZE AISLE WIDTHS (all dimensions in metres)

Aisle width (AW) may be decreased to a minimum of 6.1m (20ft) by increasing stall widths above the minimum requirement. Decreased aisle width can be determined by taking the aisle width for a given minimum stall width and applying to it the factor listed below in the second column. The factor that may be used depends on the size of the increased stall width as listed below in the first column. The six columns on the right are examples of decreased aisle widths that can be obtained using these factors.

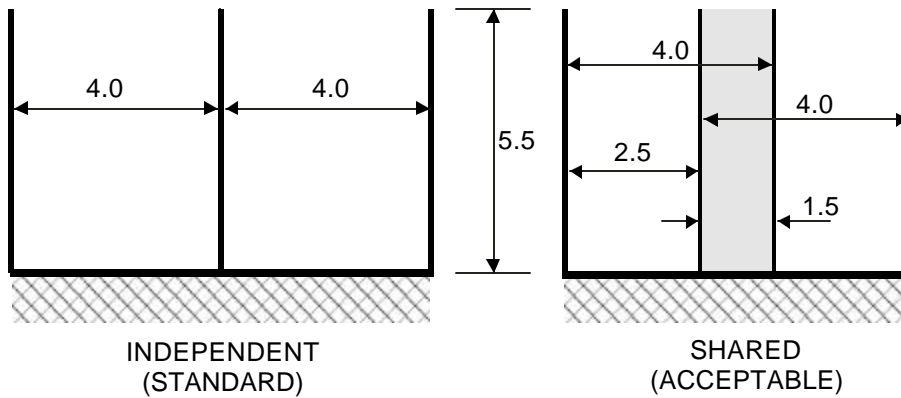
VALUES FOR DECREASING AISLE WIDTHS		EXAMPLES OF VARIOUS MINIMUM AISLE WIDTHS APPLIED TO FACTORS					
STALL WIDTH	FACTOR	90degrees 6.6m**	80degrees 5.8m**	70degrees 5.1m**	60degrees 4.5m**	50degrees 3.9m**	45degrees (or less) 3.6m**
2.30-2.54*	1.00	6.60	5.80	5.10	4.50	3.90	3.60
2.55-2.59	.985	6.50	5.71	5.02	4.43	3.84	3.55
2.60-2.64	.970	6.40	5.63	4.95	4.37	3.78	3.49
2.65-2.69	.955	6.30	5.54	4.87	4.30	3.72	3.44
2.70-2.74	.939	6.20	5.45	4.79	4.23	3.66	3.38
2.75+	.924	6.10	5.34	4.71	4.16	3.60	3.35

\* upto 2.54m is considered to be no increase above minimum stall width.  
\*\* minimum aisle width for minimum stall width (2.54m or less)

C/COLUMN ENCROACHMENT REQUIREMENTS (all dimensions in metres)

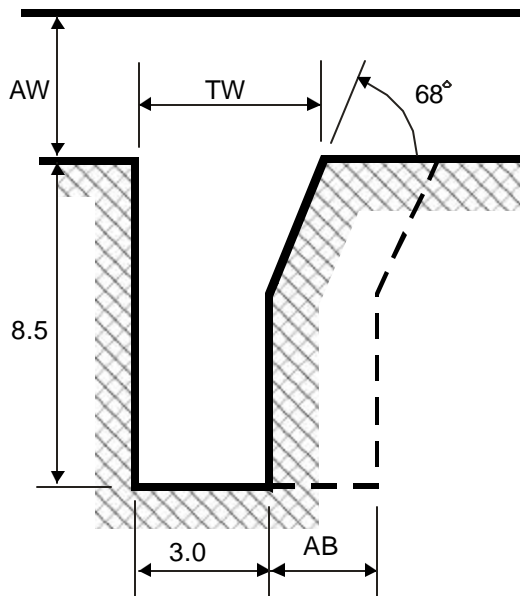


D/DISABILITY SPACES (all dimensions in metres)

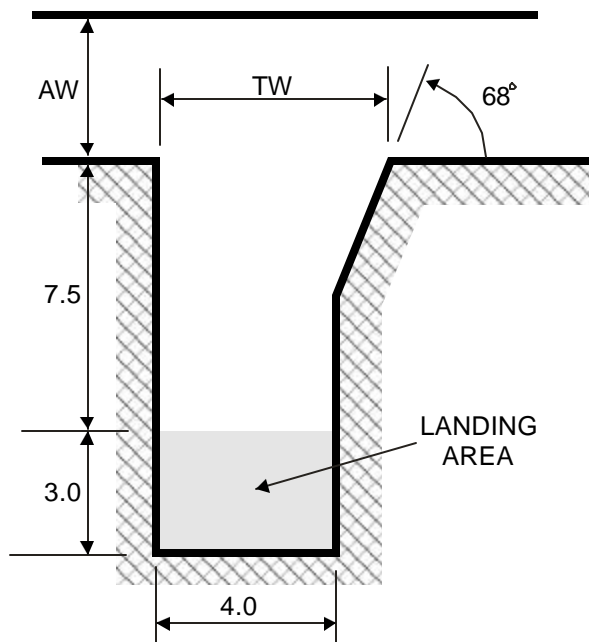


E/LOADING SPACE (CLASS B) AND PASSENGER SPACE (CLASS B) (all dimensions in metres)

LOADING SPACE, CLASS B



PASSENGER SPACE, CLASS B



CLASS B LOADING SPACE TABLE		
AISLE WIDTH (AW)	THROAT WIDTH (TW)	ADDITIONAL BAY WIDTH (AB)
6.1	4.6	3.8
6.4	4.4	3.7
6.7	4.1	3.5
7.0	4.0	3.4
7.3	3.8	3.2
7.6	3.7	3.0
7.9	3.5	3.0
8.2	3.3	3.0
8.5	3.0	3.0

PASSENGER SPACE TABLE*	
AISLE WIDTH (AW)	THROAT WIDTH (TW)
6.1	4.6
6.4	4.4
6.7	4.1
7.0	4.0
7.3	4.0
7.6	4.0

\*see Section III.B. regarding length for Class B space subsequent to first one required.