

## LEGISTAR #46232 – Substitute Body

DRAFTER'S ANALYSIS: This ordinance updates the City's parking lot design requirements. It gives the City Traffic Engineer the authority to grant exceptions to the minimum parking dimensions for residential only parking facilities if certain criteria are met. In addition, the minimum standards for all parking lots are being updated based upon current design and safety standards. The substitute corrects some initial drafting errors and omissions, while also setting the minimum moped parking space standards in line with those contained in the Section 28.141(12) of the zoning code.

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The Common Council of the City of Madison do hereby ordain as follows:

1. Paragraph 2. of Subdivision (a) entitled "General Requirements for Permanent Parking Facilities" of Subsection (6) entitled "Design Criteria for Permanent Parking Facilities" of Section 10.08 entitled "Construction of Driveway Approaches and Parking Facilities" of the Madison General Ordinances is amended to read as follows:

"2. The typical parking facility diagrams and parking stall and drive aisle dimension table on the following pages shall determine the minimum requirements for a parking facility plan. (See Figures II ~~and III~~ – IV and Table I in Sec. 10.08(6)(b)2. ~~and 3~~ through 6.)"

2. Paragraph 17. of Subdivision (a) entitled "General Requirements for Permanent Parking Facilities" of Subsection (6) entitled "Design Criteria for Permanent Parking Facilities" of Section 10.08 entitled "Construction of Driveway Approaches and Parking Facilities" of the Madison General Ordinances is created to read as follows:

"17. The City Traffic Engineer may alter the parking dimension minimums for residential only parking facilities, if hardship can be established by the applicant through a parking study, if the site constraints are verified, and if all standards for safe operation can be maintained. The applicant shall demonstrate safe operations by providing Traffic Engineering with dimensioned parking facility diagrams illustrating turning movements for all relevant vehicles."

3. The Table of Paragraph 2. of Subdivision (b) entitled "Figure II" of Subsection (6) entitled "Design Criteria for Permanent Parking Facilities" of Section 10.08 entitled "Construction of Driveway Approaches and Parking Facilities" of the Madison General Ordinances is amended by amending to read as follows:

"TABLE OF DIMENSIONS (IN FEET)

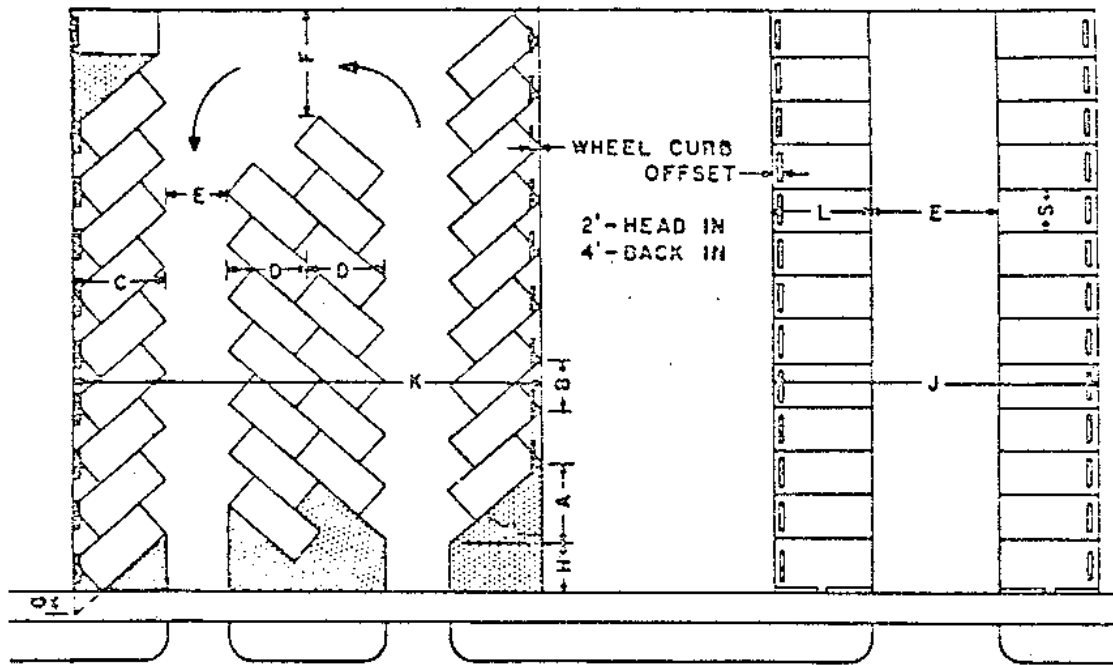
O	S	L	A	B	C	D	E	F	G	H	J	K"
OE	8.0	22.0	0.0	22.0	8.0	8.0	11.0		0.0	0.0	27.0	
	8.6	23.0	0.0	23.0	8.5	8.5	10.5		0.0	0.0	27.5	
	9.0	25.0	0.0	25.0	9.0	9.0	10.0		0.0	0.0	28.0	

4. The City Attorney is directed to replace the "E" symbol with the "o" symbol in the related Tables of Dimensions in Chapter 10 to reflect this corrected reference.

5. Paragraph 4. entitled "Figure IV" of Subdivision (b) entitled "Figure I" of Subsection (6) entitled "Design Criteria for Permanent Parking Facilities" of Section 10.08 entitled "Construction of Driveway Approaches and Parking Facilities" of the Madison General Ordinances is created to read as follows;

"4. Figure IV.

**PARKING DESIGN STANDARDS**  
City of Madison - Traffic Engineering Division



ONE-SIZE-FITS-ALL

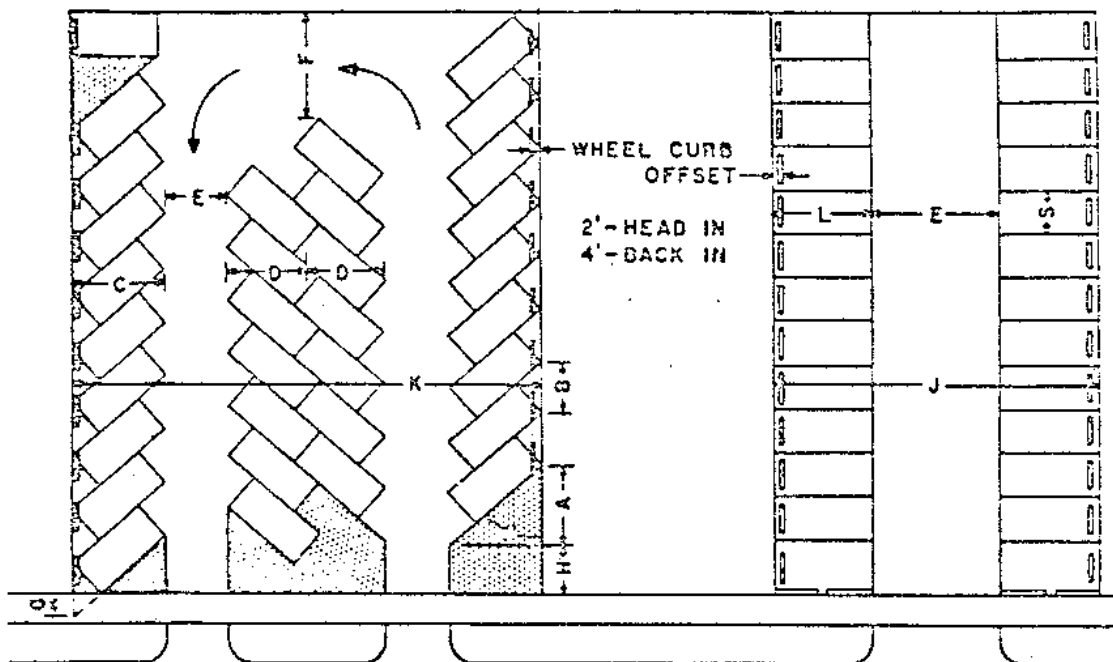


TABLE OF DIMENSIONS (IN FEET)

O	S	L	A	B	C	D	E	F	G	H	J	K
0°	8.75	24.0	0.0	24.0	8.75	8.75	10.5		0.0	0.0	28.0	
20°	8.75	17.0	38.6	25.6	14.1	10.0	9.5		22.6	4.0	37.7	67.2
30°	8.75	17.0	27.9	17.6	16.1	12.3	9.6		13.1	6.0	41.8	76.0
40°	8.75	17.0	21.1	13.7	17.7	14.3	10.0		8.0	8.0	45.4	84.0
45°	8.75	17.0	18.3	12.4	18.3	15.2	10.0	16.0	6.2	9.0	46.6	87.0
50°	8.75	17.0	15.7	11.5	18.7	15.9	10.5	16.5	4.7	10.0	47.9	90.2
60°	8.75	17.0	11.1	10.2	19.1	17.0	17.0	15.0	2.5	12.0	55.2	106.2
70°	8.75	17.0	7.0	9.4	19.0	17.5	18.0	17.0	1.1	14.0	56.0	109.0
80°	8.75	17.0	3.3	8.9	18.3	17.6	23.0	18.0	0.3	16.0	59.6	117.8
90°	8.75	17.0	0.0	8.8	17.0	17.0	23.0	20.0	0.0	0.0	57.0	114.0"

6. Paragraph 5. entitled "Table I" of Subdivision (b) entitled "Figure I" of Subsection (6) entitled "Design Criteria for Permanent Parking Facilities" of Section 10.08 entitled "Construction of Driveway Approaches and Parking Facilities" of the Madison General Ordinances is created to read as follows;

"5. Table I.

Parking Design Standards for Other Types of Vehicle Spaces (in Feet)				
Type of Vehicles	Width of Stall	Length of Stall	Two-Way Access Aisle	Turning Radius Wall to Wall Outside Front
Motorcycle	5	10	10	
Moped	3	6	5	
Buses (Vert. CL. 14')	12	40	30	47
Semitrailers WB-40 or WB-50	12	50 or 55	30 - 40	40 - 60
Recreational Vehicles	10	30	30	44"

7. Paragraph 6. entitled "Figure V" of Subdivision (b) entitled "Figure I" of Subsection (6) entitled "Design Criteria for Permanent Parking Facilities" of Section 10.08 entitled "Construction of Driveway Approaches and Parking Facilities" of the Madison General Ordinances is created to read as follows;

“6.     Figure V.

PARKING DESIGN STANDARDS  
City of Madison - Traffic Engineering Division  
LOADING DOCKS

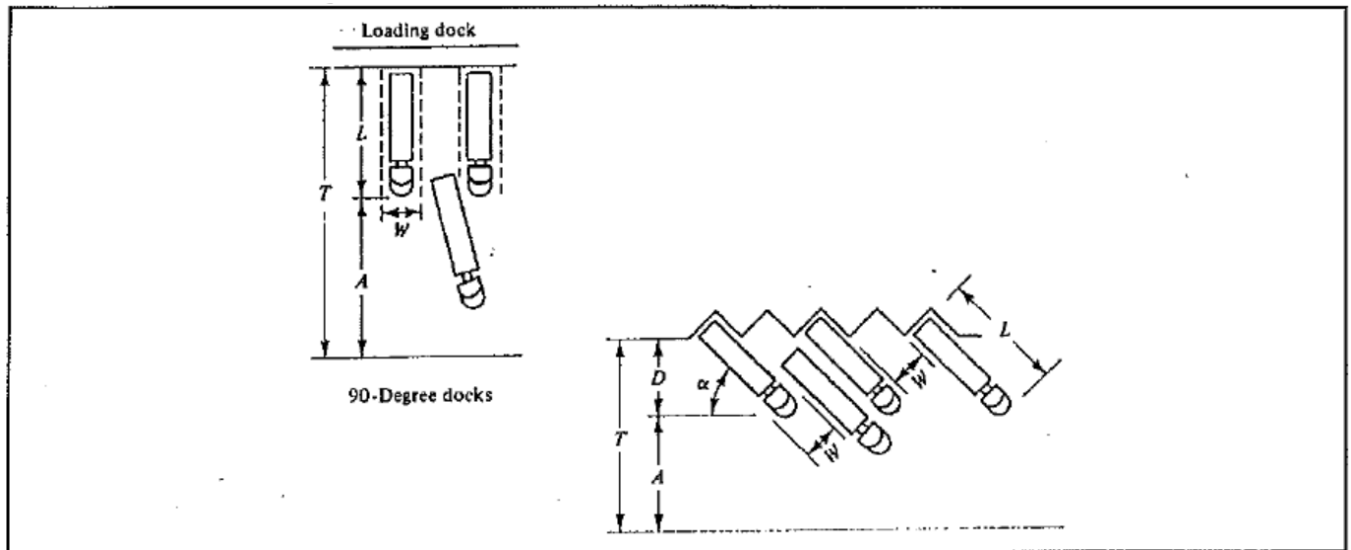


TABLE OF DIMENSIONS (IN FEET)

LOADING DOCK DIMENSIONS						
Design Vehicle	Length in Feet	Dock Angle (a)	Clearance in Feet	Berth Width in Feet	Apron Space in Feet	Total Offset in Feet
WB-40	50	90	50	10	63	113
				12	56	106
				14	52	102
		60	44	10	46	90
				12	40	84
				14	35	79
		45	36	10	37	73
				12	32	68
				14	29	65
WB-50	55	90	55	10	77	132
				12	72	127
				14	67	122
		60	48	10	55	103
				12	51	99
				14	46	94
		45	39	10	45	84
				12	40	79
				14	37	76"