



$L_T = \text{TOTAL LENGTH AVAILABLE}$
 $\frac{L_T - K}{A} = \text{\# SPACES PER ROW}$

PARKING LAYOUT DIMENSIONS at VARIOUS ANGLES (DIMENSION IN FEET)		STANDARD CARS (9'0" x 18.5' STALLS)		
		ANGLE ϕ°		
Dimension	On Diagram	45°	60°	90°
Stall width, parallel to aisle	A	12.7'	10.4'	9.0'
Stall length of line	B	26.9'	23.1'	18.0'
Stall depth to wall	C	19.0'	20.0'	18.0'
Aisle width between stall lines	D (ONE WAY)	12.0'	16.0'	23.0'
	D (TWO WAY)	18.0'	20.0'	23.0'
Stall depth, interlock	E	16.0'	17.5'	18.0'
Module, wall to interlock	F (ONE WAY)	47.0'	53.5'	59.0'
	F (TWO WAY)	53.0'	57.5'	59.0'
Module, interlocking	G (ONE WAY)	44.0'	51.0'	59.0'
	G (TWO WAY)	50.0'	55.0'	59.0'
Module, interlock to curb face	H (ONE WAY)	45.0'	51.2'	56.5'
	H (TWO WAY)	51.0'	55.2'	56.5'
Bumper overhang (typical)	I	2.0'	2.3'	2.5'
Offset	J	6.33'	2.6'	00.0'
Setback	K	12.64'	8.95'	00.0'
Cross aisle, one-way	L	14.0'	14.0'	14.0'
Cross aisle, two-way	-	24.0'	24.0'	24.0'

NOTES:

- $\phi = 8.5$ FEET MINIMUM WHERE PARKING SPACE IS ADJACENT TO A LANDSCAPE ISLAND
- X = STALL NOT ACCESSIBLE IN CERTAIN LAYOUTS

90° MUST HAVE 2 WAY ISLES
 STALL LAYOUT ELEMENTS. SOURCE:
 BASED ON PARKING PRINCIPLES, SPECIAL REPORT
 NO. 125, HIGHWAY RESEARCH BOARD, WASHINGTON,
 D.C., 1971, P99.



Department of Public Works
 10455 Armstrong Street
 Fairfax, VA 22030-3630

CITY of FAIRFAX
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Voice (703) 246-6330
 FAX (703) 591-5727
 www.fairfaxva.gov

PARKING STALL LAYOUT

SCALE: Not To Scale	DETAIL # 2403.03
REVISION DATE: July, 2005	SHEET #: 1 of 1