EQUATIONS FOR CALCULATING STALL DIMENSIONS

$$S = \frac{W}{\sin \theta}$$

$$R = \frac{W}{\tan \theta}$$

$$D = (L + R) \sin \theta$$

FOR ONE DIRECTION AISLE:

$A = B \sin \theta$, min = 12'

FOR TWO DIRECTION AISLE:

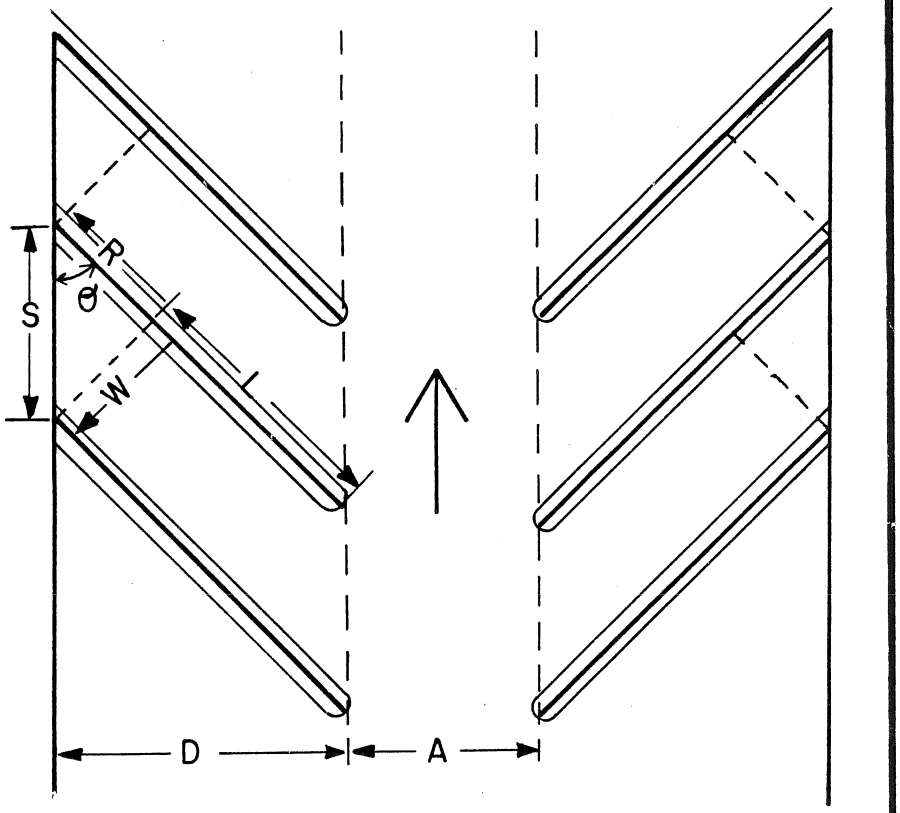
$A = B \sin \theta$, min = 22'

COMPACT STALLS:

W = 8', L = 17', B = 22'

STANDARD STALLS:

W = 8'6", L = 18', B = 24'



B = BACKUP DISTANCE

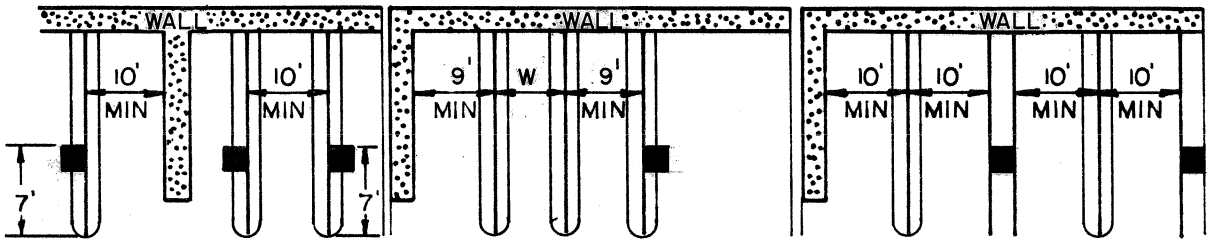
MINIMUM PARKING LOT DIMENSIONS (in ft.)

θ	S		R		D		A (1 DIR.)		A (2 DIR.)	
	COM.	STD.	COM	STD	COM	STD	COM	STD	COM	STD
0°	21	22	0	0	7.0	8.0	13.0	14.0	22.0	22.0
30°	16.0	17.0	13.9	14.7	15.5	16.4	12.0	12.0	22.0	22.0
45°	11.3	12.0	8.0	8.5	17.7	18.7	15.6	17.0	22.0	22.0
60°	9.2	9.8	4.6	4.9	18.7	19.8	19.1	20.8	22.0	22.0
90°	8.0	8.5	0	0	17.0	18.0	22.0	24.0	22.7	24.0

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PARKING STANDARDS
PARKING LOT DIMENSIONS

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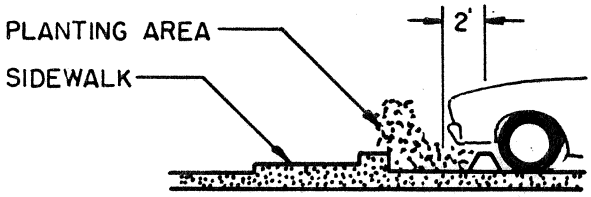


CONFINED STALLS RESTRICTED STALLS

TWO ADJACENT RESTRICTED OR END STALLS

STANDARD STALLS

(FOR COMPACT STALLS, SUBTRACT ONE FOOT FROM THE ABOVE DIMENSIONS)



PERMISSIBLE BUMPER OVERHANG

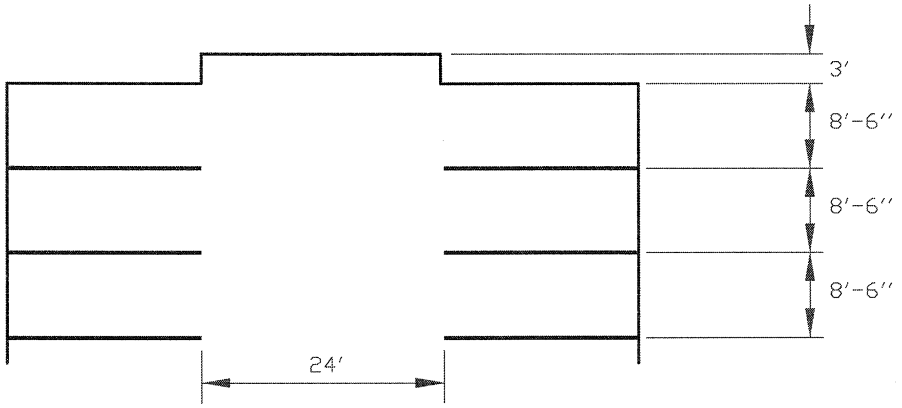
FOR ADDITIONAL INFO:
SEE S.M.M.C. Chapter 27.64
OFF-STREET PARKING
AND LOADING

PARKING STANDARDS
PARKING LOT LAYOUTS

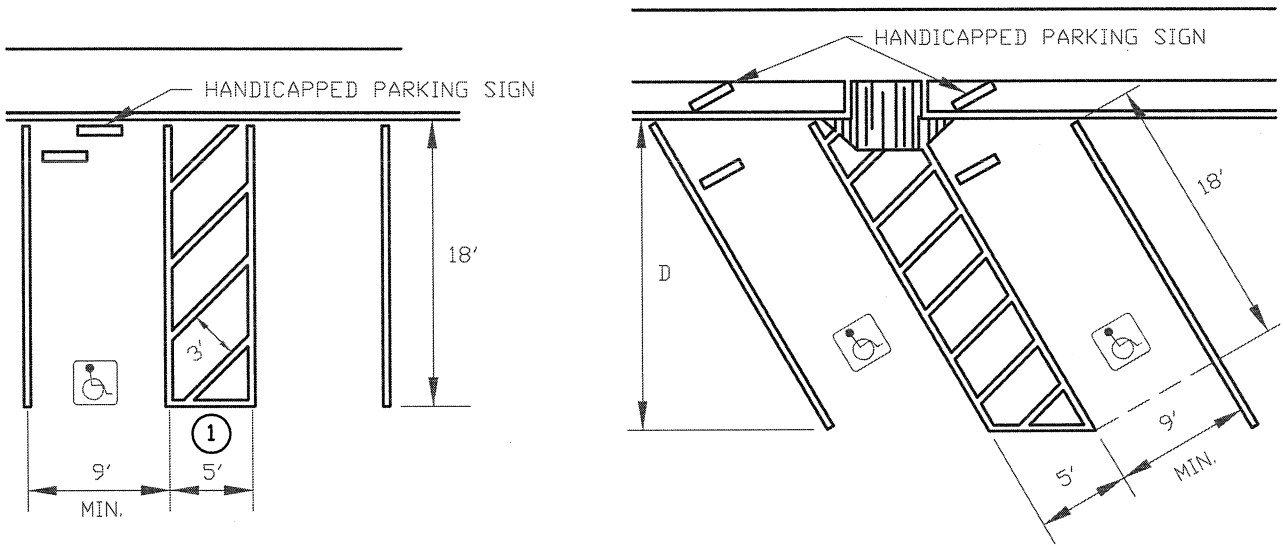
SAN MATEO, CALIF.

DATE	DRAWN BY	CHK. BY	APPROVED	PLAN CASE	DRAWER	SHEET
6-86	K.K.L.		CITY ENGINEER	3	1	191

NOTE: SUFFICIENT AREA WILL BE PROVIDED NEAR THE END OF DEAD-END AISLES FOR TURN AROUND UNDER FULL LOT CONDITIONS.



DEAD-END AISLES



HANDICAPPED PARKING

NOTE:

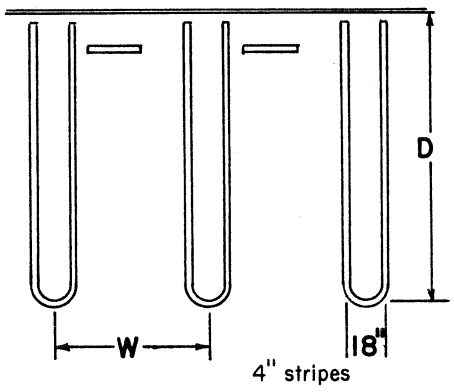
(1) 8' PASSENGER LOADING ZONE REQUIRED FOR VAN ACCESSIBLE SPACES. LOADING ZONE ON PASSENGER'S SIDE OF STALL UNLESS SHARED.

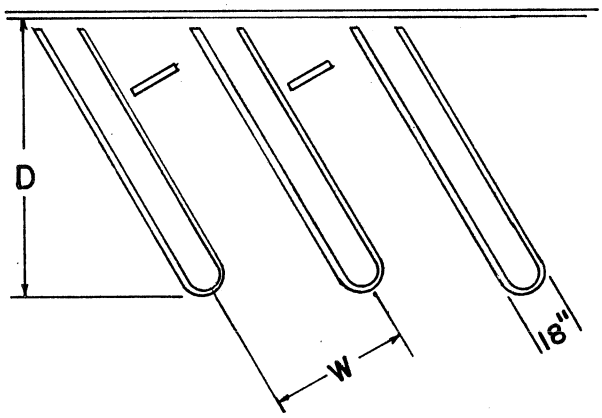
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PARKING STANDARDS

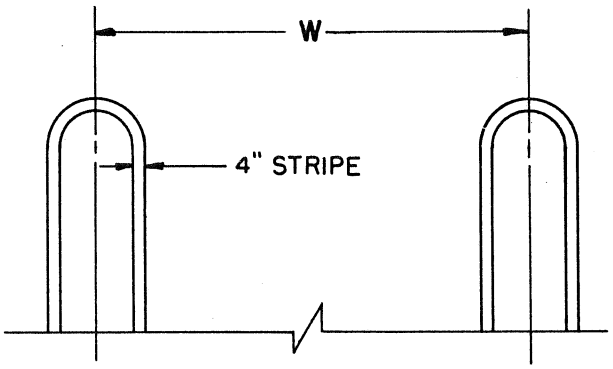
DATE	DRAWN BY	CHECKED BY	APPROVED	CASE	DRAWER	SET
2002	PC	OC	CITY ENGINEER	3	1	192

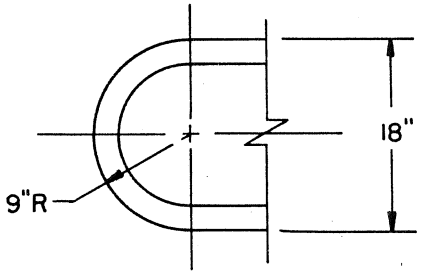




DOUBLE STRIPING

NOTE: 4" STRIPE APPROXIMATELY 18" APART
WITH ROUNDED OR SQUARED ENDS





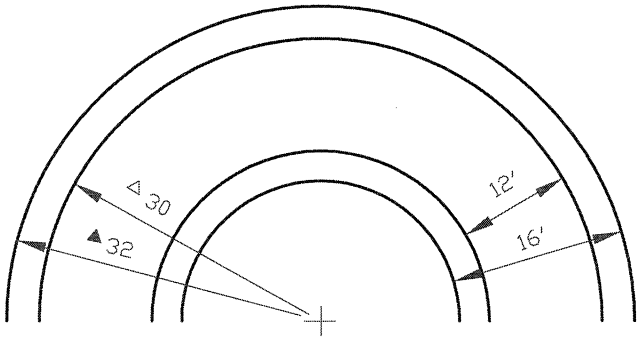
STALL DOUBLE STRIPING DETAIL

SEE SHEET 3-1-190

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PARKING STANDARDS
DOUBLE STRIPING

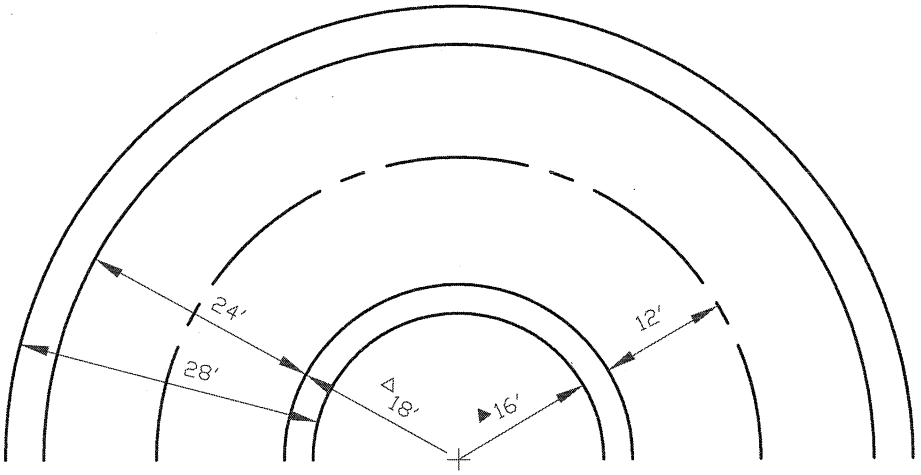
DATE	DRAWN BY	CHECKED	APPROVED	CASE	DRAWER	SET
6-86	K.K.L.		CITY ENGINEER	3	1	193



ONE WAY

△ RADIUS TO CURBS LOWER THAN 6" (WHEEL RADIUS)

▲ RADIUS TO COLUMNS, WALLS OR STRUCTURES. (BODY OVERHANG RADIUS)



TWO WAY

FOR ADDITIONAL INFORMATION:
SEE S.M.M.C. CHAPTER 27.64
OFF-STREET PARKING AND LOADING

MIN. WIDTH FOR RAMPS - TWO-WAY 24' CURB TO CURB; 28' WALL TO WALL
ONE-WAY 12' CURB TO CURB; 16' WALL TO WALL.

CITY OF SAN MATEO CALIFORNIA

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CALIFORNIA 94403

PARKING STANDARDS
MINIMUM TURNING RADII ON RAMPS

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