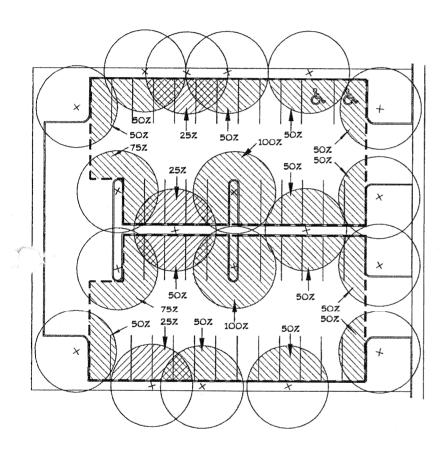
How to Calculate Parking Lot Tree Shading

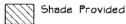
PARKING LOT TREE SHADING

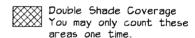


Paved Area Requiring Shade Parking Stalls and back-up space require 40% shade coverage

Stall Angel	Back-up Distance
45 degree	13 feet
60 degree	18 feet
90 degree	24 feet

Typical Stall dimensions = 9' x 19' Typical Compact Stall = 8' x 16'





NOTES:

- 1. This diagram is intended to reflect the manner in which shade is credited under various conditions. It is not necessarily an illustration of 40% coverage.
- 2. Provide 40% shade to parking stalls and back-up
- Shade is not required in driveways.
 Tree canopies shall be drawn to scale representing
- the estimated canopy at a 15 year growth period.

 5. Trees may receive 25%. 50%. 75%. or 100% credit as shown.

SHADE REQUIREMENTS

TREE SPECIES	DIA.	QTY . FULL SHADE/SQ FT	QTY • 3/4 SHADE/SQ FT	QTY * 1/2 SHADE/SQ FT	QTY • 1/4 SHADE/SQ FT	TOTALS 5.F.
Oak species Mulberry Pyrus species Lagerstroemia i Prunus species Pistacia chinensis	35' 35' 25' 20' 20' 30'	2 • 962 O • 962 O • 491 O • 314 O • 314 O • 707	2 • 722 O • 722 O • 368 O • 181 O • 181 O • 530	14 • 481 O • 481 O • 246 O • 157 O • 157 O • 354	3 • 241 0 • 241 0 • 123 0 • 79 0 • 79 0 • 177	10.825 S.F. O O O O O
			TOTAL SHADE PROVIDED TOTAL AREA REQUIRING SHADE TOTAL SHADE REQUIRED TOTAL Z SHADE PROVIDED		10.825 S.F. 14.087 S.F. 5634.8 S.F 76.8 Z	