

Ft-Lb Units (A)	Factor (B)	Metric Units (A)x(B)=(C)	Factor (D)	Ft-Lb Units (C)x(D)=(E)
LENGTH				
inches (in)	25.4005	millimeters (mm)	0.03937	inches
feet (ft)	0.3048006	meters (m)	3.2808333	feet
yards (yd)	0.9144	meters (m)	1.0936	yards
miles (mi)	1.609	kilometers (km)	0.6214	miles
AREA				
square inches (in ²)	645.19	square millimeters (mm ²)	0.00155	square inches
square feet (ft ²)	0.0929	square meters (m ²)	10.765	square feet
square yards (yd ²)	0.8361	square meters (m ²)	1.196	square yards
acres	0.4046856	hectares (ha) (10,000m ²)	2.47105407	acres
square miles (mi ²)	2.590	square kilometers (km ²)	0.3861	square miles
VOLUME				
cubic inches (in ³)	16388.0	cubic millimeters (mm ³)	0.00006102	cubic inches
cubic feet (ft ³)	0.02832	cubic meters (m ³)	35.314	cubic feet
cubic yards (yd ³)	0.76456	cubic meters (m ³)	1.308	cubic yards
quarts (qt)	0.9463	liters (L)	1.0567	quarts
gallons (gal)	0.003785	cubic meters (m ³)	264.17	gallons
WEIGHT/MASS				
ounces (fl oz)	28.35	grams (g)	0.0353	ounces
pounds (lb)	0.454	kilograms (kg)	2.2046	pounds
ton (2,000 lb)	0.908	metric tons (1,000 kg)	1.1023	ton
DENSITY				
pounds/cubic foot (lbs/ft ³)	16.0185	kilograms/cubic meter (kg/m ³)	0.0624	lbs/ft ³
LIGHT				
footcandle or lumen/ft ²	10.764	lux (lx) or lumen/m ²	0.0929	footcandle or lumen/ft ²
PRESSURE				
pounds/square inch (psi)	6894.8	Pascal (Pa)	0.000145	psi
pounds/square foot (psf)	47.88	pascal (Pa) = (N/m ²)	0.0209	psf
VELOCITY				
feet/second (fps)	0.3048	meters/second (m/s)	3.281	fps
miles/hour (mph)	1.6093	kilometers/hour (km/h)	0.6215	mph
TEMPERATURE				
Fahrenheit °F (t _f)	(t _f -32)/1.8	Celsius °C (t _c)	(1.8t _c +32)	= (t _f) Fahrenheit °F

CITY OF PASADENA - PUBLIC WORKS & TRANSPORTATION DEPARTMENT

DRAWN BY: DAVID PHAN	METRIC CONVERSION FACTORS	REVISION: 1	UNITS: METRIC
		STANDARD PLAN: S-003	
		SHEET 1 OF 1 <small>5003-1-1.DWG 07/14/98</small>	
CHECKED BY: GIL WEISS	APPROVED BY: <i>Daniel A. Ri.</i>	7-16-98	
SUBMITTED BY: JAMES VALENTINE	CITY ENGINEER RCE NO. 38689 EXPIRES MARCH 31, 2001	DATE	