

805-T-105 CONVERSION OF METRIC STANDARDS

(Adopted 09-01-05)

Metric standard drawings for traffic signals have been included in this contract. These standard drawings were developed from the English traffic signal detail sheets. The conversion factors listed below have been provided to facilitate the conversion of metric units to English units. The numbers calculated using the general conversion factors are approximate.

General Conversion Factors

1 millimeter = 0.04 inches
1 millimeter = 0.0033 feet
1 meter = 3.28 feet
1 kilogram = 2.21 pounds

Steel Conversion Factors

10M bars = #4 bars
15M bars = #4 bars
30M bars = #10 bars
Grade 300 = Grade 40

Fastener Conversion Factors

M8 = 5/16"
M10 = 3/8"
M12 = 7/16"
M16 = 5/8"

Anchor Bolt Conversion Factors

M20 = 3/4" dia
30 mm = 1 1/4" dia
40 mm = 1 3/4" dia
60 mm = 2 1/4" dia

Miscellaneous Conversion Factors

W 150 x 13 steel I-beam = W 6x9 steel I-beam
38 kN design load = 8000 lb design load
