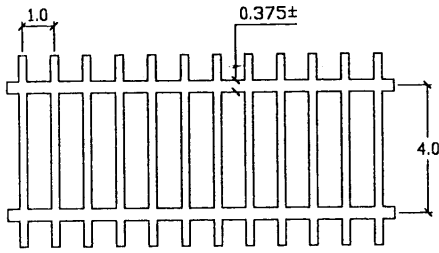


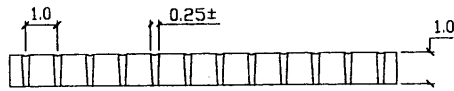
DRAFT

STANDARD MOLDED GRATING DETAILS



PLAN VIEW

Load Bars Run Width Direction
 Load Bar Thickness 1"
 Load Bar Centers 1"
 # Of Bars/Ft. Of Width 12
 Open Area 69%
 Approx. Weight 2.5 lbs./ft²

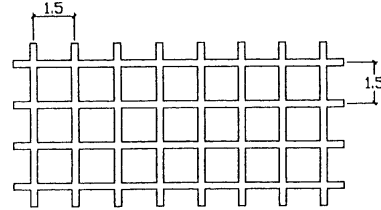


ELEVATION

1" x 1" x 4" RM

Approx Engineering Properties Per Ft of Width

A=2.6 IN² I=0.22 IN⁴ S=0.43 IN³ AVE EI = 510,000 LB-IN²
 (L > 24")



PLAN VIEW

Load Bar Thickness 1/4"
 Load Bar Centers 1 1/2"
 # Of Bars/Ft. Of Width 8
 Open Area 70%
 Approx. Weight 2.5 lbs./ft²

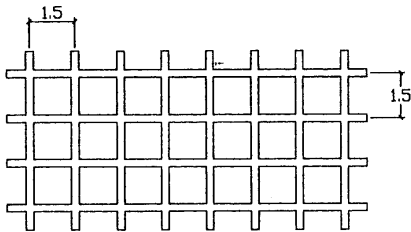


ELEVATION

1" x 1 1/2" SM

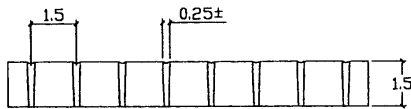
Approx Engineering Properties Per Ft of Width

A=1.7 IN² I=0.14 IN⁴ S=0.28 IN³ AVE EI = 300,000 LB-IN²
 (L > 24")



PLAN VIEW

Load Bar Thickness 1/4"
 Load Bar Centers 1 1/2"
 # Of Bars/Ft. Of Width 8
 Open Area 70%
 Approx. Weight 3.75 lbs./ft²

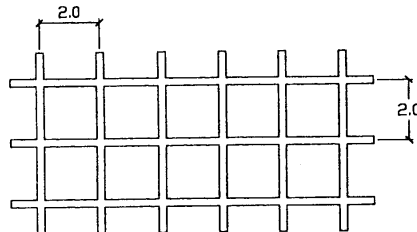


ELEVATION

1 1/2" x 1 1/2" SM

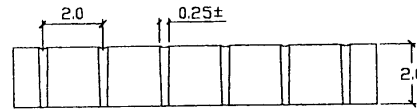
Approx Engineering Properties Per Ft of Width

A=2.85 IN² I=0.50 IN⁴ S=0.65 IN³ AVE EI = 900,000 LB-IN²
 (L > 24")



PLAN VIEW

Load Bar Thickness 1/4"
 Load Bar Centers 2"
 # Of Bars/Ft. Of Width 6
 Open Area 72%
 Approx. Weight 4.0 lbs./ft²



ELEVATION

2" x 2" SM

Approx Engineering Properties Per Ft of Width

A=2.88 IN² I=0.96 IN⁴ S=0.94 IN³ AVE EI = 1,950,000 LB-IN²
 (L > 24")

NOTE: Because of manufacturers slight mold variations, the Engineering properties may vary slightly. Load / deflection criteria should be the determining factor.