

### General Information

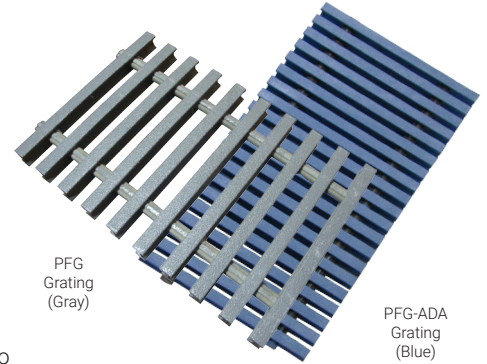
Project Name: \_\_\_\_\_

Consultant: \_\_\_\_\_

Item #: \_\_\_\_\_

Model #: \_\_\_\_\_

Quantity: \_\_\_\_\_



### Specifications

**PFG** Pultruded Fiberglass Grating consists of assembled panels with a permanently bonded grit, baked epoxy, anti-skid surface.

Bearing bars are 1" deep "I" bars with 0.6" wide top flange. Standard gray grating bars are spaced 0.9" apart.

**PFG-ADA** Compliant Blue grating bars are spaced 0.4" apart.

Gratings are sized up to 20" long sections.

### Product Guide

PFG Pultruded Fiberglass Grating is an ideal substitute for steel or aluminum gratings. Long life, inherent in fiberglass (often outlasts steel 20-to-1), makes PFG a problem solving material where frequent replacement costs are unacceptable.

Pultruded Fiberglass Gratings are corrosion resistant, structurally strong, fire retardant, lightweight, anti-slip surface & low maintenance.

### Options

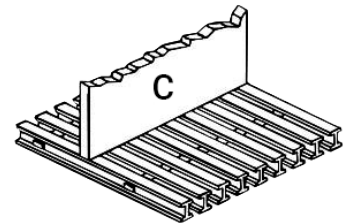
- Change Color to Yellow (Same Price as Gray)
- Custom Sizes

#### PFG 1" BEARING BARS SPACED 0.9" APART

SPAN INCHES		A=2.496 IN <sup>2</sup> /FT OF WIDTH S=0.656 IN <sup>2</sup> /FT OF WIDTH I=0.328 IN <sup>2</sup> /FT OF WIDTH															MINIMUM LOAD	SAFETY FACTOR	E x 10 <sup>6</sup> PSI	
		200	400	600	800	1000	1500	2000	2500	3000	4000	5000	6000	7000	8000	9000				10000
12	U	.004	.007	.011	.015	.018	.027	.036	.045	.054	.073	.091	.109	.127	.145	.163	.181	.20,800	10,400	3.78
	ΔC	.003	.006	.009	.012	.014	.022	.029	.036	.043	.058	.073	.087	.102	.116	.130	.145	10,400	5,200	
18	U	.011	.022	.033	.045	.056	.084	.112	.139	.167	.200	.267	.333	.400	.467			9,908	4,954	4.15
	ΔC	.009	.018	.026	.036	.045	.067	.090	.111	.134	.167	.200	.250	.300	.350			7,430	3,715	
24	U	.025	.050	.075	.100	.124	.187	.249	.311	.373	.498	.622						5,800	2,900	4.41
	ΔC	.020	.040	.060	.080	.099	.150	.199	.249	.298	.398	.498						5,800	2,900	
30	U	.046	.092	.139	.185	.231	.346	.462	.577	.693	.924							3,712	1,856	4.63
	ΔC	.037	.074	.111	.148	.185	.277	.370	.462	.554	.739							4,640	2,320	
36	U	.077	.153	.230	.307	.383	.500	.667	.833	.957								2,577	1,287	4.83
	ΔC	.062	.122	.184	.246	.306	.460	.614	.766									3,866	1,933	

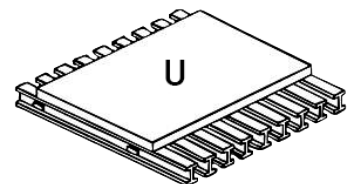
\*Loading to the left of the bold vertical line in a row produce deflection of less than .25 inches.

**C** IS CONCENTRATED LOAD LBS/FT OF WIDTH  
**ΔC** IS DEFLECTION UNDER CONCENTRATED LOAD  
**U** IS UNIFORM LOAD LBS/FT<sup>2</sup>  
**ΔU** IS DEFLECTION UNDER UNIFORM LOAD



#### PFG-ADA 1" BEARING BARS SPACED 0.4" APART

SPAN INCHES		VALUES FOR 12 BARS PER FT OF WIDTH A=3.744 IN <sup>2</sup> /FT OF WIDTH S=0.984 IN <sup>2</sup> /FT OF WIDTH I=0.492 IN <sup>2</sup> /FT OF WIDTH WEIGHT/FOOT=253 LBS/FT OF BAR WEIGHT/FOOT=.302 LBS/FT OF CROSS ROAD															MINIMUM LOAD	SAFETY FACTOR	E x 10 <sup>6</sup> PSI		
		200	400	600	800	1000	1500	2000	2500	3000	4000	5000	6000	7000	8000	9000				10000	11000
12	U	.002	.005	.007	.010	.012	.018	.024	.030	.036	.048	.060	.073	.085	.097	.109	.121	.133	.31,200	15,600	3.78
	ΔC	.002	.004	.006	.008	.010	.015	.019	.024	.029	.039	.048	.058	.068	.078	.087	.097	.107	15,600	7,800	
18	U	.007	.015	.022	.033	.043	.067	.093	.119	.145	.199	.266	.333	.400	.467	.533	.600	.667	14,862	7,431	4.15
	ΔC	.006	.012	.018	.024	.030	.045	.059	.074	.089	.119	.149	.186	.223	.260	.304	.347	.390	11,145	5,572	
24	U	.017	.033	.050	.066	.083	.124	.165	.207	.248	.331	.414	.496	.579	.662				8,700	4,350	4.41
	ΔC	.013	.026	.040	.053	.066	.099	.132	.165	.199	.265	.331	.397	.463	.530				8,700	4,350	
30	U	.031	.062	.092	.123	.154	.231	.308	.385	.462	.616	.770	.924						5,568	2,784	4.63
	ΔC	.025	.049	.074	.099	.123	.185	.246	.308	.370	.493	.616	.739						6,960	3,480	
36	U	.051	.102	.153	.204	.255	.383	.511	.638	.766	1.021								3,866	1,933	4.83
	ΔC	.042	.084	.126	.168	.210	.315	.420	.525	.630	.840								5,799	2,899	



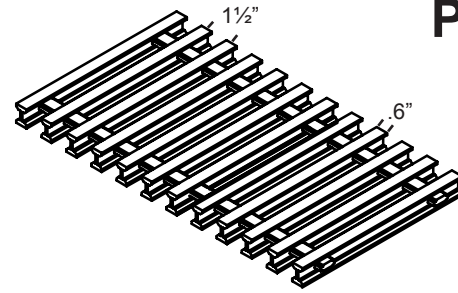
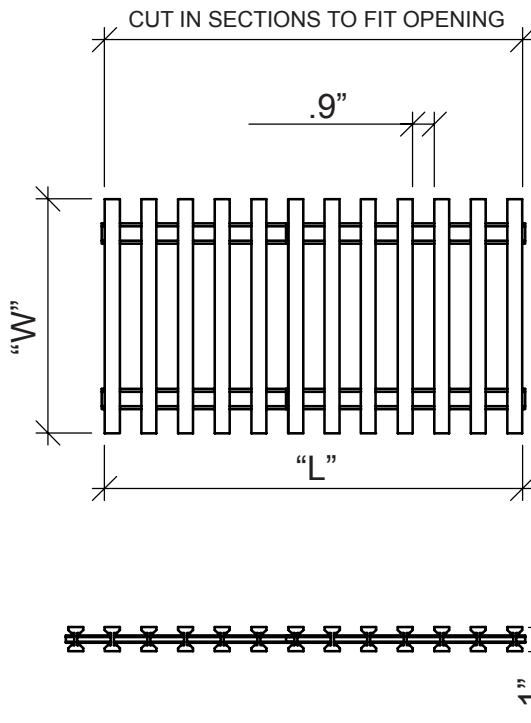
\*See Price Book for Models & Pricing



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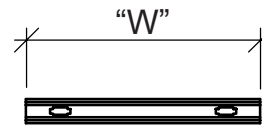


**DRAWINGS**

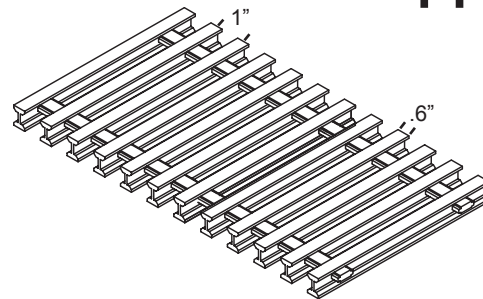
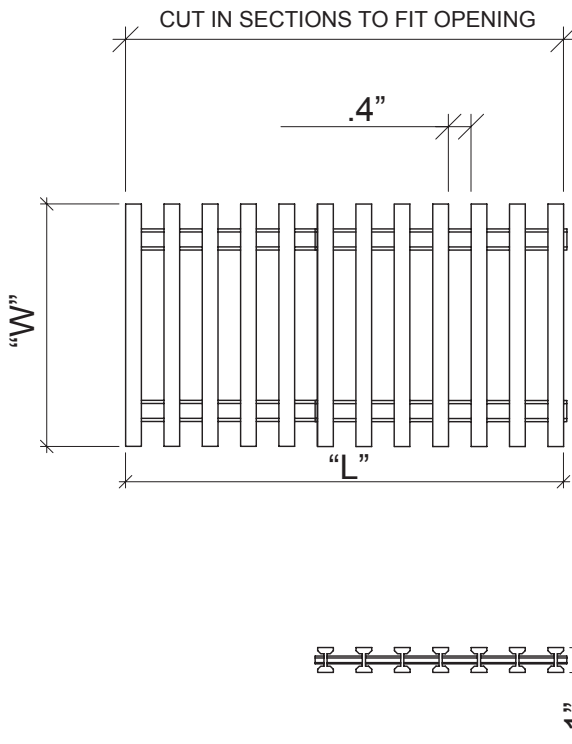


**PFG**

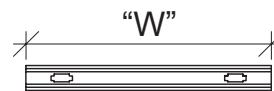
ISOMETRIC DETAIL OF GRATING MODEL "PFG"



**PFG-ADA**



ISOMETRIC DETAIL OF GRATING MODEL "PFG-ADA"



Specifications subject to change without notice.