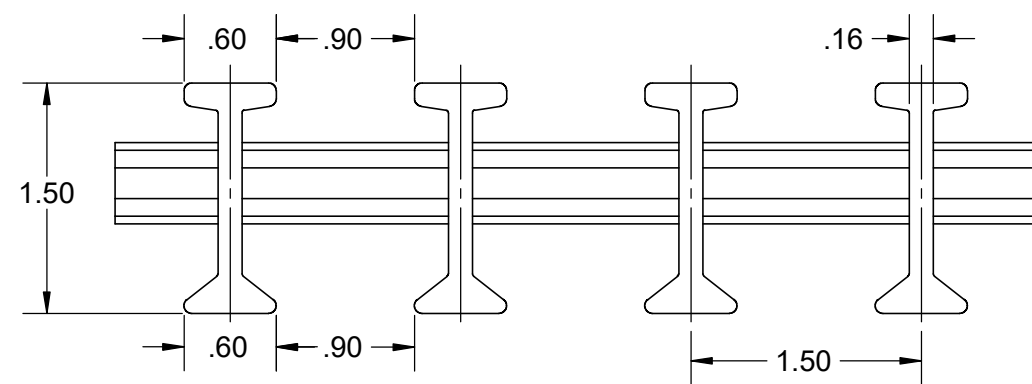


SPAN(in)		LOAD (uniform- lbs/ft ² / concentrated- lbs/ft)															
		50	100	150	200	250	300	400	500	750	1000	2000	3000	4000	5000	6000	7000
12	Δu	0.000	0.001	0.001	0.001	0.002	0.002	0.003	0.003	0.005	0.006	0.013	0.019	0.026	0.032	0.038	0.045
	Δc	0.001	0.001	0.002	0.002	0.003	0.003	0.004	0.005	0.008	0.010	0.020	0.031	0.041	0.051	0.061	0.072
18	Δu	0.002	0.003	0.005	0.006	0.008	0.009	0.012	0.015	0.023	0.030	0.061	0.091	0.121	0.152	0.182	0.212
	Δc	0.002	0.003	0.005	0.006	0.008	0.010	0.013	0.016	0.024	0.032	0.065	0.097	0.129	0.162	0.194	0.226
24	Δu	0.005	0.009	0.014	0.018	0.023	0.027	0.037	0.046	0.069	0.091	0.183	0.274	0.366	0.457	0.549	0.640
	Δc	0.004	0.007	0.011	0.015	0.018	0.022	0.029	0.037	0.055	0.073	0.146	0.220	0.293	0.366	0.439	0.512
30	Δu	0.011	0.022	0.032	0.043	0.054	0.065	0.086	0.108	0.161	0.215	0.430	0.646				
	Δc	0.007	0.014	0.021	0.028	0.034	0.041	0.055	0.069	0.103	0.138	0.276	0.413	0.551			
36	Δu	0.022	0.044	0.065	0.087	0.109	0.131	0.175	0.218	0.327	0.436						
	Δc	0.012	0.023	0.035	0.047	0.058	0.070	0.093	0.116	0.175	0.233	0.466					
42	Δu	0.040	0.079	0.119	0.159	0.198	0.238	0.317	0.396	0.595							
	Δc	0.018	0.036	0.054	0.072	0.091	0.109	0.145	0.181	0.272	0.362						
48	Δu	0.067	0.133	0.200	0.266	0.333	0.400	0.533	0.666								
	Δc	0.027	0.053	0.080	0.107	0.133	0.160	0.213	0.266	0.400	0.533						
54	Δu	0.106	0.211	0.317	0.422	0.528	0.633										
	Δc	0.038	0.075	0.113	0.150	0.188	0.225	0.300	0.375	0.563							
60	Δu	0.160	0.320	0.480	0.639												
	Δc	0.051	0.102	0.153	0.205	0.256	0.307	0.409	0.512								
66	Δu	0.233	0.466														
	Δc	0.068	0.136	0.203	0.271	0.339	0.407	0.542	0.678								


- Panels can be made to exact sizes to eliminate waste and fabrication costs in the field. The maximum panel weight is 500 lbs. and the maximum panel size is 60" x 240".
- The two standard colors are gray and yellow.
- The standard polyester resin used in stock grating is fire retardant and meets the requirements for a Class 1 flame rating of 25 or less per ASTM E-84 and meets the self-extinguishing requirements of ASTM D-635. The resin also contains a UV inhibitor.
- Grids can be ordered with or without an anti-skid grit surface. A variety of grit material and textures can be ordered.

A= 3.136in²/ft of width Open Area= 60% *Bold border lines indicates loading ≤ L/360
 S= 1.240in³/ft of width Approx. Wgt.= 3.0 lbs/ft²
 I= 0.928in⁴/ft of width



I-6000 Grating - 1.5" Pultruded Bar

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UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DIMENSIONS ARE IN INCHES		DRAWN	AGF 10/27/16
TOLERANCES:		CHECKED	
FRACTIONAL ±		ENG APPR.	
ANGULAR: MACH ± BEND ±		MFG APPR.	
TWO PLACE DECIMAL ±		Q.A.	
THREE PLACE DECIMAL ±		COMMENTS:	
INTERPRET GEOMETRIC TOLERANCING PER:		 ARETE STRUCTURES, LLC 123 SLOPES COURT BOONE, NC 28607 www.aretestructures.com	
MATERIAL		TITLE: I-6000 1.5in- Stock Grating	
NEXT ASSY	USED ON	SIZE	DWG. NO. REV
APPLICATION		SCALE: NTS	WEIGHT: SHEET 1 OF 1
FINISH		DO NOT SCALE DRAWING	