

TOP VIEW

### SPECIFICATIONS

#### General information

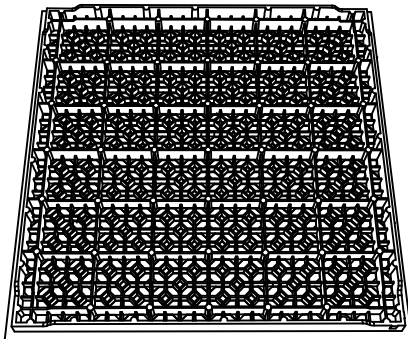
- Die cast aluminum construction
- Interchangeable with laminated ConCore® and All-Steel panels
- 56% open area
- Panel size: 24 inches square
- Panel height at corner: 1-1/4". Total panel height 1-5/8".
- Flange width: .540" to accommodate 3/4" wide stringers.
- Panel weight: 4.7 lb./ft²
- Non-combustible material
- Class A flame spread rating
- Available with or without damper
- Damper can be adjusted from the top to restrict air flow by up to 100%
- Removeable with portable lifting device

### UNDERSTRUCTURE OPTIONS

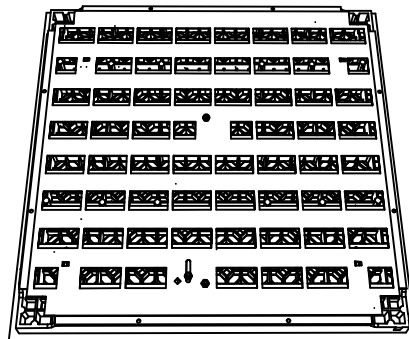
- 2' Heavy duty bolted stringer system
- 4' Heavy duty bolted stringer system

### COATING OPTIONS

- Bare textured
- Epoxy powder coat (non-conductive)
- Epoxy powder coat (conductive)



BOTTOM VIEW



BOTTOM VIEW WITH DAMPER

Static Pressure (In. H <sub>2</sub> O)	Air Volume (CFM)	Air Volume w/ damper open (CFM)	Air Volume w/ damper closed (CFM)	Air Volume w/ damper 1/2 open (CFM)
0.02	916	504	108	312
0.04	1320	712	156	448
0.05	1468	792	172	500
0.06	1608	876	196	548
0.08	1860	1008	224	632
0.10	2096	1128	252	700
0.12	2292	1232	276	768
0.14	2484	1332	296	828
0.16	2684	1416	316	888
0.18	2848	1496	332	948
0.20	3024	1580	352	992

### Performance Selection Chart

System Type	Understructure	SYSTEM WEIGHT	STATIC LOADS				ROLLING LOADS		IMPACT LOADS
			Concentrated Loads	Top Surface Deflection	Uniform Loads	Ultimate Loads	10 Passes	10,000 Passes	
Aluminum Grate	Bolted Stringer	6.25 lbs / ft² 30.5 kg / m²	1000 lbs 454 kg	0.100" 2.54 mm	250 lbs / ft² 11.9 kPa	2500 lbs 1135 kg	1000 lbs 454 kg	800 lbs 363 kg	100 lbs 45 kg

1. Concentrated, ultimate, and impact loads are tested by imposing loads on a one inch area. Results indicate weakest point on panel.
2. Permanent set after application of concentrated load shall be <0.010".
3. Local and overall deformation after application of rolling loads shall be <0.040".