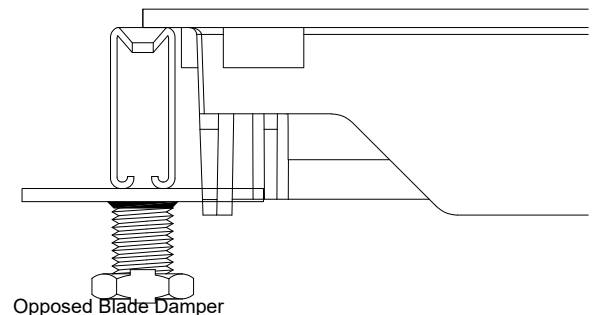


TOP VIEW

Airflow Performance

Static Pressure (In. H ₂ O)	Air Volume w/o damper (CFM)
0.02	1055
0.04	1500
0.05	1685
0.06	1875
0.08	2115
0.10	2340



SIDE VIEW

Opposed Blade Damper

Static Pressure (In. H ₂ O)	Air Volume w/ damper open(CFM)	Air Volume w/damper closed(CFM)
0.02	890	90
0.04	1290	100
0.05	1450	120
0.06	1565	145
0.08	1760	155
0.10	2075	170

System Load Performance Criteria (Tested on Actual Understructure)*

System Type	Understructure	SYSTEM WEIGHT	STATIC LOADS			ROLLING LOADS		IMPACT LOADS
			Design Loads	Ultimate Load	Safety Factor (min. 1.67)	10 Passes	10,000 Passes	
HD GrateAire Airflow Panel	2" Deep Bolted Stringer	8.46 lbs / ft ² 41.31 kg / m ²	3000 lbs 1360 kg	5000 lbs 2270 kg	Pass	2700 lbs 1225 kg	2400 lbs 1090 kg	150 lbs 68 kg

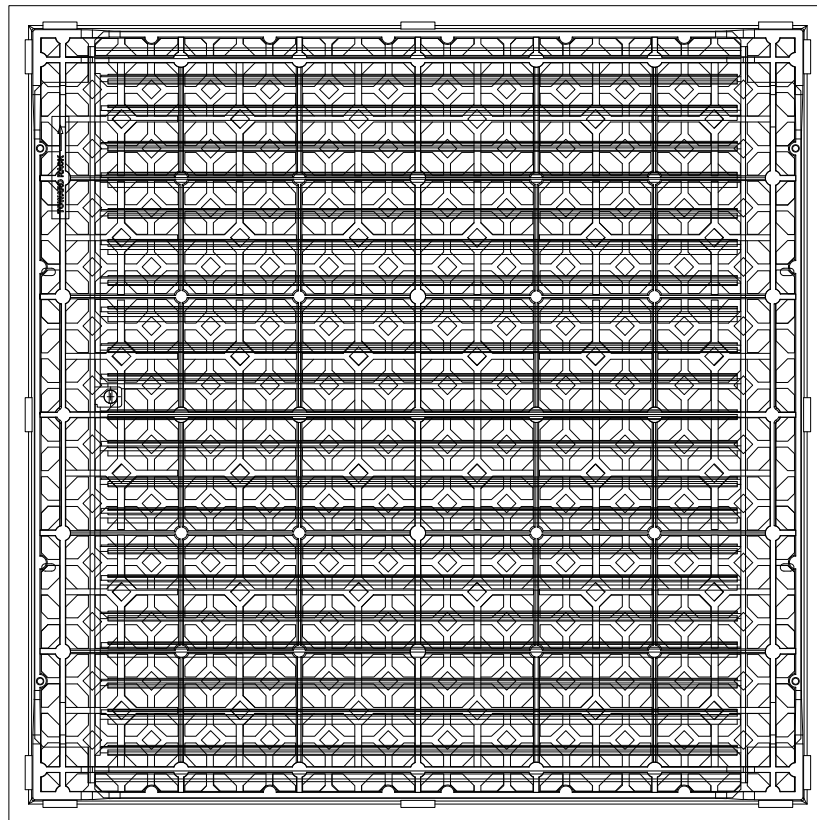
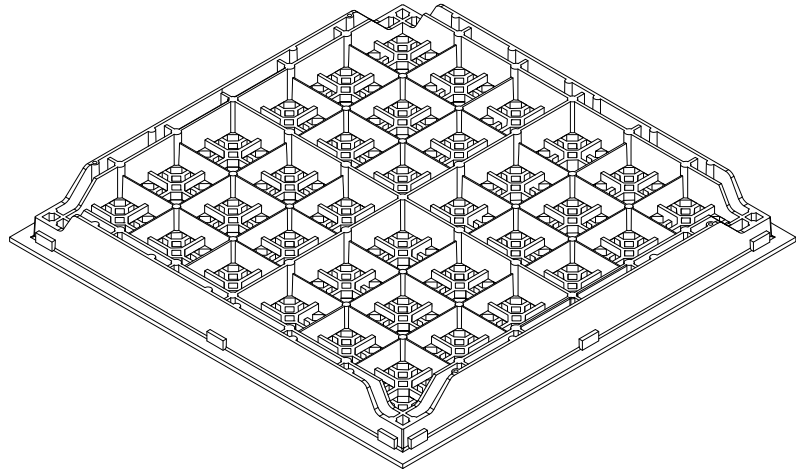
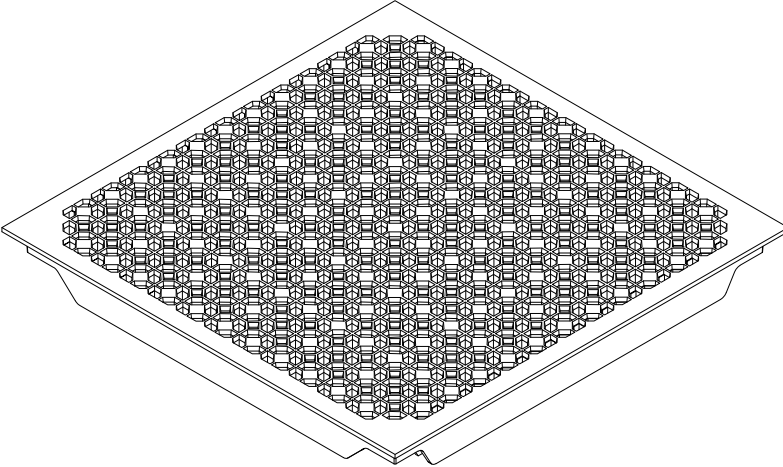
1. System Design Load is based on permanent set $\leq 0.010"$ and is verified by loading panels in accordance with the CISC concentrated load method but with panels installed on actual understructure instead of steel blocks. (Testing on blocks does not represent performance of an actual installation.) Ultimate, Rolling, and Impact Load tests are performed using CISC test procedures.

2. Safety Factor is Ultimate Load divided by Design Load.

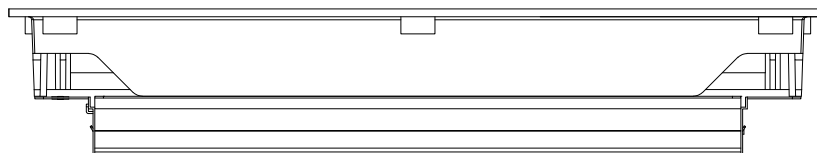
3. Published load ratings do not apply to perimeter, cut panels or panels with cutouts.



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**BOTTOM VIEW WITH OPTIONAL FIELD
MOUNTED OPPOSED BLADE DAMPER**



**SIDE VIEW WITH OPTIONAL FIELD
MOUNTED OPPOSED BLADE DAMPER**



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