

TOP VIEW

Airflow Performance

Static Pressure (In. H <sub>2</sub> 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

Static Pressure (In. H <sub>2</sub> 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	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 <sup>2</sup> 41.31 kg / m <sup>2</sup>	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 CISCA 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 CISCA 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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## SPECIFICATIONS

- Die cast aluminum construction
- Interchangeable with laminated ConCore® and All Steel panels
- 56% open area without damper
- Panel size: 24 inches square
- Panel weight: 7.17 lb./ft<sup>2</sup>

## UNDERSTRUCTURE OPTIONS

2" deep by 4' bolted stringer system with 8 ga. fillet welded heads

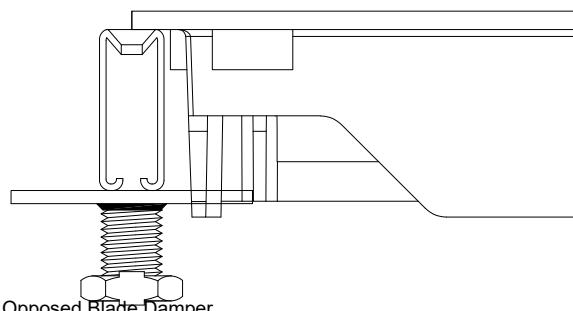
## COATING OPTIONS

Fog Grey anti-static powder coat finish  
 Bright White standard powder coat finish  
 Note: Bright White Powder is NOT anti-static

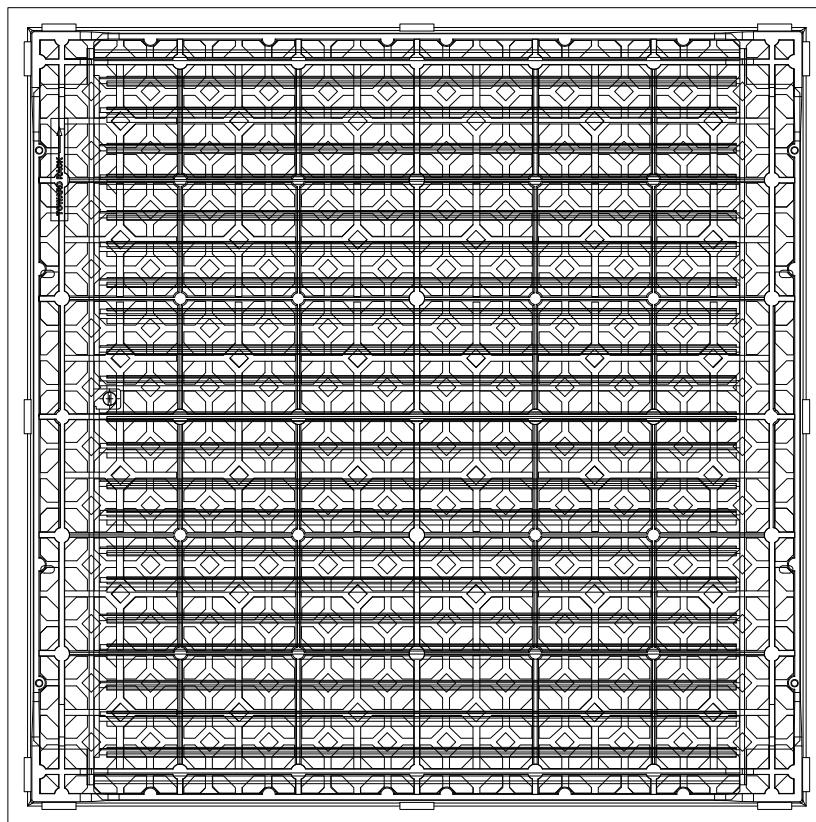
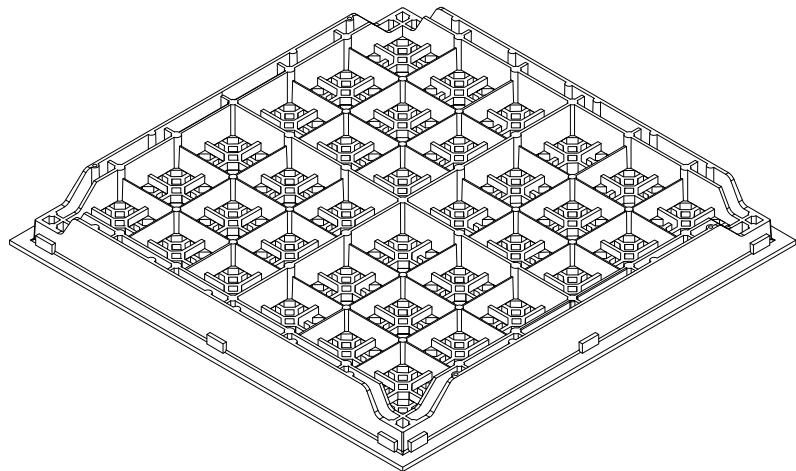
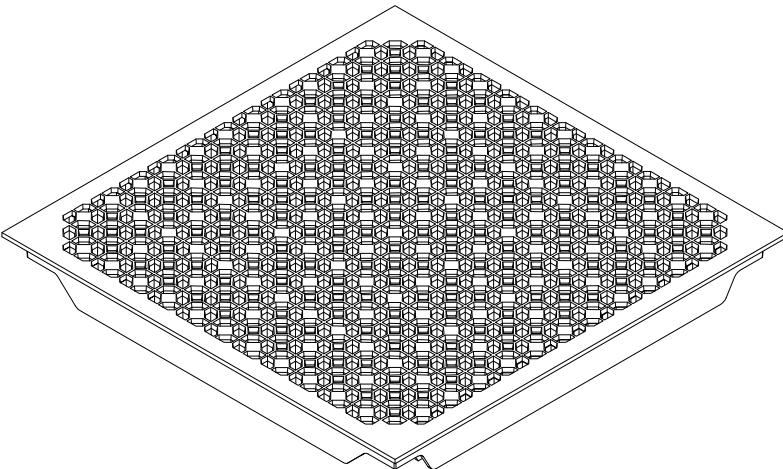
## AIRFLOW CONTROL OPTIONS

Single-zone Opposed Blade Damper (field mounted)

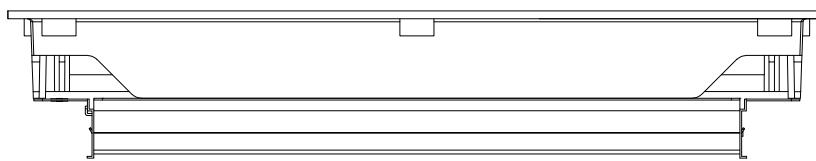
## SIDE VIEW



Opposed Blade Damper



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



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



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