

## SPECIFICATIONS

### General information

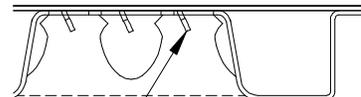
- 32% open area.
- 60cm square all steel construction.
- Concentrated load rating up to 1250 lbs. (560 kg)
- Protected from corrosion by anti-static powder coat finish - 25,000 to 20,000,000,000 ohms when tested at 500 volts per NFPA 99
- Patented intermingled airflow vanes for directional airflow
- Class A flame spread rating.
- Non-combustible material.
- Pre-drilled holes for field mounted opposed blade dampers.
- Directional airflow for 88% capture index
- SparkLite White anti-static powder coat

## UNDERSTRUCTURE OPTIONS

- 60cm Bolted Stringer     120cm Bolted Stringer

## AIRFLOW OPTIONS

- Single zone opposed blade damper (field mounted)  
 Multi zone opposed blade damper (field mounted)



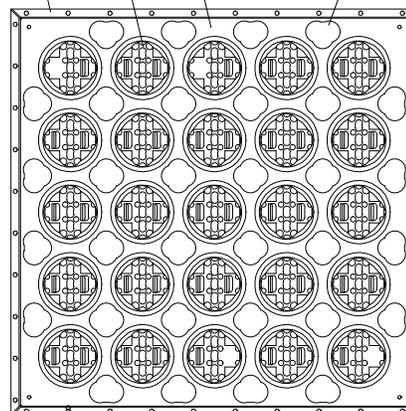
DIRECTIONAL VANES

FULL HARD COLD ROLLED STEEL TOP SHEET

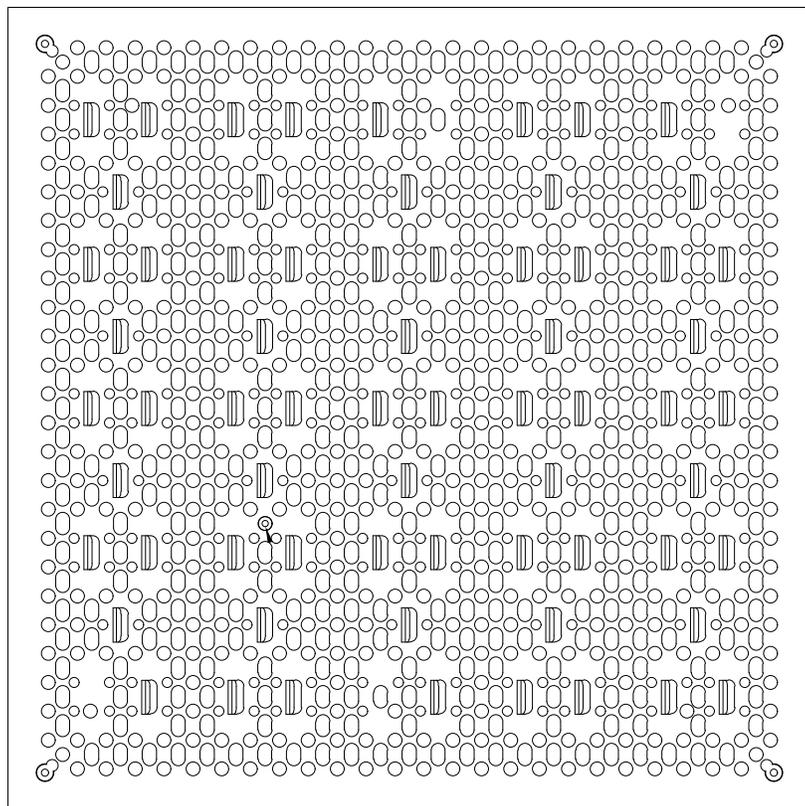
POWDER COAT FINISH INSIDE & OUT

ADDITIONAL OPENINGS IN NON DAMPERED PANELS ONLY

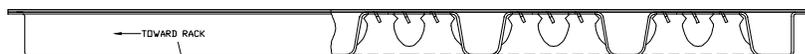
DRAW QUALITY STEEL BOTTOM PAN



BOTTOM VIEW



RACK FACE



DIRECTIONAL MARKING

| Static Pressure (Pa) | L/s (w/o damper) | kW   |
|----------------------|------------------|------|
| 5                    | 251              | 3.7  |
| 10                   | 351              | 5.2  |
| 12.5                 | 393              | 5.8  |
| 15                   | 420              | 6.2  |
| 20                   | 477              | 7.0  |
| 25                   | 529              | 7.8  |
| 30                   | 583              | 8.6  |
| 35                   | 634              | 9.4  |
| 40                   | 674              | 10.0 |
| 45                   | 711              | 10.5 |
| 50                   | 754              | 11.1 |

\* Refer to Airflow Control Device data sheets for airflow values

## System Performance Criteria (Tested on Actual Understructure)\*

| Panel         | Understructure  | System Weight (kg/m <sup>2</sup> ) | Static Loads      |               |                    | Rolling Loads |               | Impact Loads (kN) | Total Air Capture |
|---------------|-----------------|------------------------------------|-------------------|---------------|--------------------|---------------|---------------|-------------------|-------------------|
|               |                 |                                    | Design Loads (kN) | Safety Factor | Ultimate Load (kN) | 10 Passes     | 10,000 Passes |                   |                   |
| 32% DPERF1250 | Bolted Stringer | 30.5                               | 5.56              | Min. > 2.0    | 11.12              | -             | -             | .67               | 88%               |

1. System Design Load is based on permanent set  $\leq 0.25\text{mm}$  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.