

SPECIFICATIONS

General Information

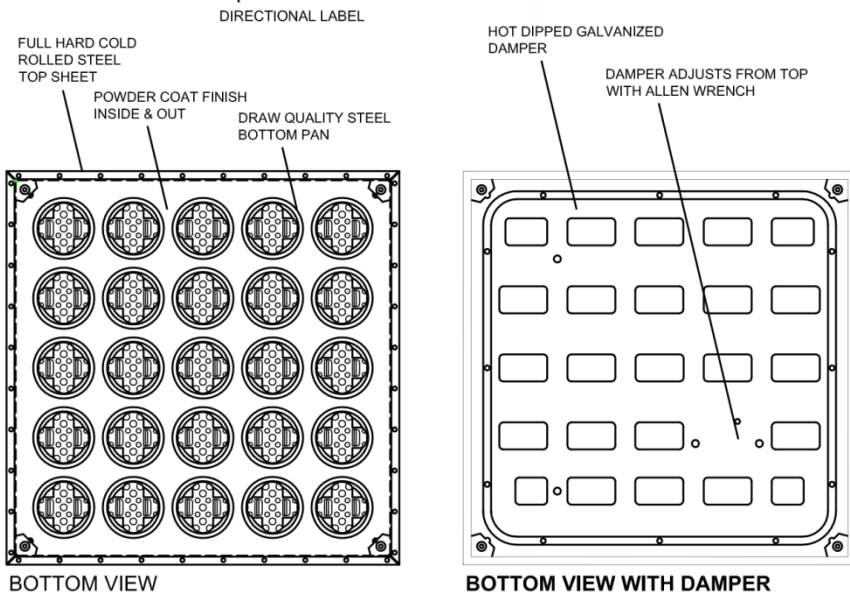
- 25% open area
- 60 CM square all steel construction
- Concentrated load rating up to 1250 lbs
- Protected from corrosion by anti-static powder coat finish- 25,000 to 20,000,000,000 ohms when tested at 500 volts per NFPA 99
- Patented Intermingled airflow vanes for directional airflow
- Class A flame spread rating
- Non-combustible material
- Directional Airflow for 88% Capture Index
- SparkLite White anti-static powder coat

UNDERSTRUCTURE OPTIONS

- 60cm Bolted Stringer
- 120cm Bolted Stringer

AIRFLOW CONTROL OPTIONS

- Slide Damper



| DirectPerf [®] 25% 60cm System Performance Criteria* | | | Static Loads | | | Rolling Loads (kN) | | Impact | Airflow | |
|---|-----------------|------------------------------------|-------------------|---------------|--------------------|--------------------|---------------|-----------|----------------|---------------|
| Panel Type | Under-Structure | System Weight (kg/m ²) | Design Loads (kN) | Safety Factor | Ultimate Load (kN) | 10 Passes | 10,000 Passes | Load (kN) | @ 25 Pa. (L/s) | Capture Index |
| DirectPerf 25% 1250 | Bolted Stringer | 33.5 | 5.56 | Min > 2 | 11.12 | - | - | 0.67 | 351 | 93% |

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.

| DirectPerf [®] 25% 60cm | | | |
|----------------------------------|------------------|----------------------|------------------------|
| Static Pressure (Pa) | L/s (w/o Damper) | L/s (w/ Damper Open) | L/s (w/ Damper Closed) |
| 5 | 161 | 126 | 14 |
| 10 | 229 | 174 | 21 |
| 12.5 | 254 | 193 | 23 |
| 15 | 276 | 214 | 25 |
| 20 | 316 | 245 | 27 |
| 25 | 351 | 275 | 32 |
| 30 | 382 | 290 | 35 |
| 35 | 411 | 309 | 38 |
| 40 | 435 | 335 | 43 |
| 45 | 463 | 355 | 45 |
| 50 | 486 | 369 | 49 |