

SPECIFICATIONS

General Information

- Lightweight Cast Aluminum Grate Design
- Interchangeable with ConCore and All-Steel Panels as well as other panel systems upon test and verification
- 60% Open Area without a damper
- Supports over 18kW per Rack @ 0.10"H₂O
- Panel Size: 24" Square
- Panel Height, corner to bottom of lip: 1.19"
- Total Panel height: 2.19"
- Panel weight: 24.6 lbs
- Removable by hand
- Directional Airflow for 93% Capture Index
- SparkLite White anti-static powder coat

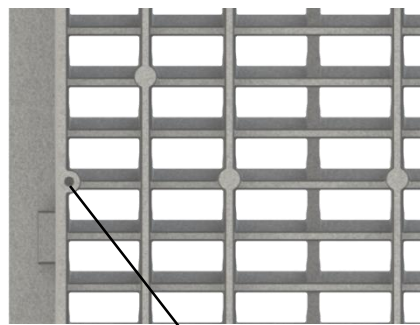
UNDERSTRUCTURE OPTIONS

- 24" Bolted Stringer
- 48" Bolted Stringer

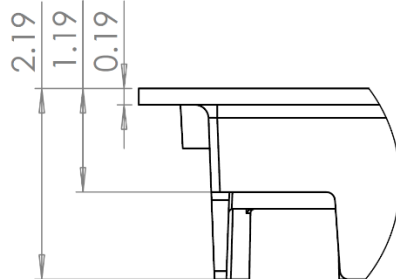
AIRFLOW CONTROL OPTIONS

- SmartAire® MZ
- SmartAire®
- PowerAire®
- PowerAire® Quad
- Single-zone Opposed Blade Damper
- Multi-zone Opposed Blade Damper

DirectAire® AI 24"		
Static Pressure (in. wc)	CFM (w/o Damper)	kW
0.02	1123	8.3
0.04	1572	11.6
0.05	1751	12.9
0.06	1913	14.1
0.08	2200	16.2
0.1	2451	18.1
0.12	2678	19.8
0.14	2886	21.3
0.16	3079	22.7
0.18	3260	24.1
0.2	3430	25.3



Integrated mounting holes for OBD and Tate Airflow Control Devices



Panel Flange Heights

DirectAire® AI 24" System Performance Criteria*			Static Loads			Rolling Loads (lbs)		Impact	Airflow	
Panel Type	Under-Structure	System Weight (lbs/ft ²)	Design Loads (lbs)	Safety Factor	Ultimate Load (lbs)	10 Passes	10,000 Passes	Load (lbs)	@ 0.1"H ₂ O (CFM)	Capture Index
DirectAire AI	Bolted Stringer	7.4	1500	Min > 2	3000	1250	1000	150	2451	93%

* System load tests are conducted following CISCA's Recommended Test Procedures with the exception of Design Load. Design Load is a CISCA concentrated Load Test performed on actual understructure using yield point and safety factors in place of deflection.