



Greenville-Spartanburg - GSP Airport, Greer, SC / Photo © Bob Perzel

The Curved Torsion Spring metal ceiling system allows curved ceiling panels to swing down from the ceiling plane.

FEATURES AND BENEFITS

- Two panel size sets with square edge design:
 - 6" to 42" widths up to 96" long
 - 48" width up to 48" long
- Swing-down feature allows point-access and 100% access to plenum
- Waste reduction with factory fabricated dimensional material
- Downweight: reduce dead load with lightweight aluminum
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

ATTRIBUTES



FIRE RATING:
CLASS A
PER ASTM E84
AND CAN/ULC-S102



SEISMIC RATING:
ZONES A, B, C, D, E, F



CUSTOMIZATION
AVAILABLE

LEED® v4

RECYCLED CONTENT

up to 85%

- ✓ EA: Optimize Energy Performance
- ✓ MR: Building Product Disclosure
- ✓ EQ: Low-Emitting Materials
- ✓ EQ: Indoor Air Quality Assessment
- ✓ EQ: Daylight
- ✓ EQ: Acoustic Performance

LEED® is a registered trademark of the U.S. Green Building Council.

CERTIFICATIONS



GREENGUARD:
GOLD CERTIFIED



EPD AVAILABLE

COLORS AND FINISHES

A wide choice of colors and finishes as well as custom color matching are available upon request. See website for the most up to date information and to order samples. Colors are for illustration purposes only.

STANDARD PAINT COLORS



Natural
7163



Cotton White
0280



Atlantic Grey
1117

CUSTOM COLORS



Premium Custom Colors


STANDARD METALLIC




Brushed Aluminum
0004

WHITE FINISH OPTIONS

Powder-coat paint finish for Arctic White #1015P (Gloss 10-20); Crystalline White #1050P (Gloss 45-55); Supernova White #1085P (Gloss 80-90). Aviation White #1011P: Powder-coat paint finish offering - LRV 90 - 9% gloss finish; Aviation White #1011C: Coil-coat paint finish offering - LRV 93 - 5% low gloss finish.



Arctic White
1015P



Crystalline White
1050P



Supernova White
1085P



Aviation White
1011P



Aviation White
1011C

BLACK FINISH OPTIONS

Powder-coat paint finish for Starless Black #5000P (Matte); Raven Black #5030P (Gloss 25-35); Sable Black #5060P (Gloss 65-75); Wet Glass Black #5095P (Gloss 90-95)




Starless Black
5000P



Raven Black
5030P




Sable Black
5060P




Wet Glass Black
5095P

LAMINATED (FILM) WOOD FINISHES


Film (on interior, non-perforated panels only). Formaldehyde-free, Class A composite panel. Minimums apply.




American Natural
8000



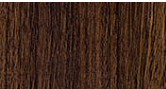
Russian Maple
8003




Hayward Cherry
8005



Caramel Bamboo
8030



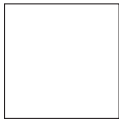
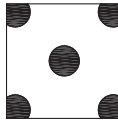
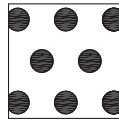
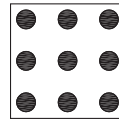
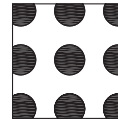
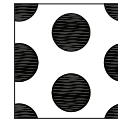
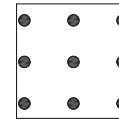
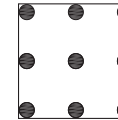
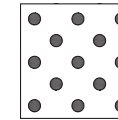
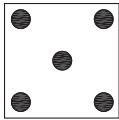
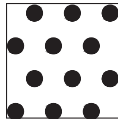
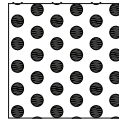
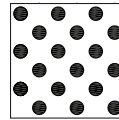
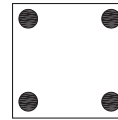
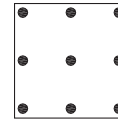
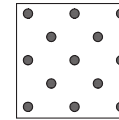
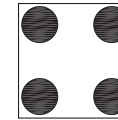
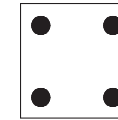
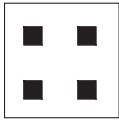
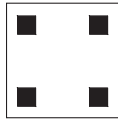
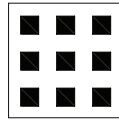
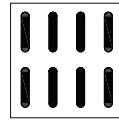
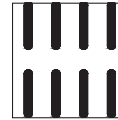
Northern Walnut
8105



Chatham Oak
8107

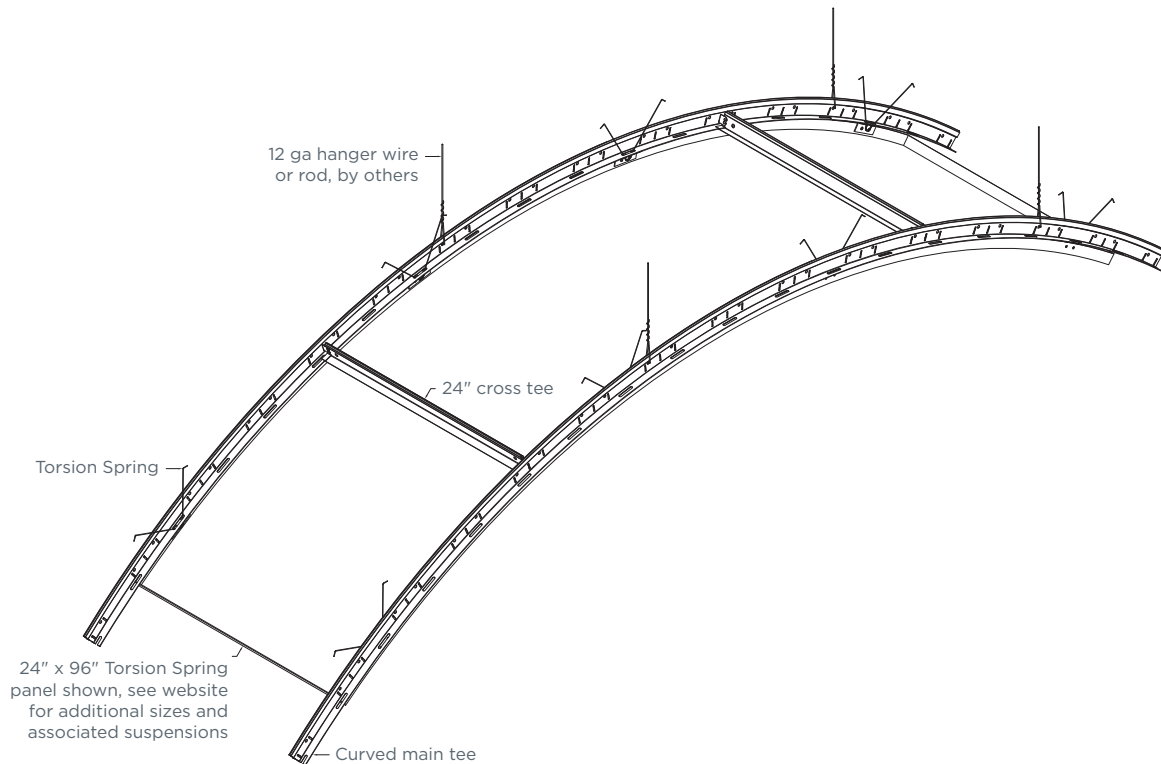
PERFORATION PATTERNS

Standard patterns shown. Perforations not available on laminated (film). Scale shown: 1:1, unless otherwise noted.

								
Non-perforated	Pattern #102 Perf. dia: .157 in. Open area: 14%	Pattern #103 Perf. dia: .118 in. Open area: 20%	Pattern #106 Perf. dia: .098 in. Open area: 16%	Pattern #107 Perf. dia: .157 in. Open area: 28%	Pattern #109 Perf. dia: .196 in. Open area: 36%	Pattern #111 Perf. dia: .118 in. Open area: 5% Scale 1:2	Pattern #112 Perf. dia: .157 in. Open area: 7% Scale 1:2	Pattern #115 Perf. dia: .063 in. Open area: 12%
								
Pattern #119 Perf. dia: .098 in. Open area: 8%	Pattern #124 Perf. dia: .079 in. Open area: 13%	Pattern #127 Perf. dia: .063 in. Open area: 25%	Pattern #132 Perf. dia: .070 in. Open area: 20%	Pattern #150 Perf. dia: .098 in. Open area: 4%	Pattern #185 Perf. dia: .050 in. Open area: 3.1%	Pattern #188 Perf. dia: .050 in. Open area: 6.3%	Pattern #201 Perf. dia: .375 in. Open area: 19.6% Scale 1:2	Pattern #202 Perf. dia: .375 in. Open area: 5.43% Scale 1:4
								
Pattern #301 Perf.: .375 in. sq. Open area: 11% Scale 1:4	Pattern #315 Perf.: .375 in. sq. Open area: 6.25% Scale 1:4	Pattern #375 Perf.: .375 in. sq. Open area: 25% Scale 1:4	Pattern #625 Perf.: .125 in. x .625 in. Open area: 19.5% Scale 1:3	Pattern #750 Perf.: .125 in. x .75 in. Open area: 19.2% Scale 1:3				

INSTALLATION EXAMPLES

Typical Isometrics



Additional options available for design flexibility, contact your local sales representative to get started.



KFC Yum! Center, Louisville, KY / Photo © Bob Perzel

PHYSICAL DATA

MATERIAL

Aluminum

WEIGHT

Varies 1.0 – 1.6 lbs./sq.ft.

FIRE RATING

Class A Fire Rated per ASTM E84

- Painted or anodized metal: Flame spread: ≤ 25, Smoke ≤ 50
- Film on metal: Flame spread: ≤ 25, Smoke ≤ 50 (for interior only)
- Class A Fire Rated per CAN/ULC-S102
- Painted or anodized metal: Flame spread: ≤ 25, Smoke ≤ 50

SEISMIC RATING

Zones A,B,C,D,E,F

WIND LOAD

N/A

RECYCLED CONTENT

Up to 85%

LIGHT REFLECTANCE (LR) COEFFICIENT

PER ASTM E1264 & ASTM E1477

- Varies with finish
- Cotton White: LR = 0.81
- Aviation White #1011C: LR = 0.93

WARRANTY

1-year Limited Warranty.
Full warranty information can be found at certainteed.com/warranty

ACOUSTICAL PERFORMANCE

Sound absorption can be achieved by the addition of backing ceiling panels with acoustical fabric or pad.

PERFORATION PATTERN	% OPEN AREA	ACOUSTICAL INFILL	NRC
#103	20%	Non-Woven Acoustic Non-Woven Acoustic and 1" – 1.5 pcf Polywrapped Fiberglass	0.80 0.90
#106	16%	Non-Woven Acoustic Non-Woven Acoustic and 1" – 1.5 pcf Polywrapped Fiberglass	0.75 0.85
#115	12%	Non-Woven Acoustic Non-Woven Acoustic and 1" – 1.5 pcf Polywrapped Fiberglass 1.5" – 1.5 pcf Polywrapped Fiberglass	0.65 0.95 0.90
#119	8%	Non-Woven Acoustic Non-Woven Acoustic and 1" – 1.5 pcf Polywrapped Fiberglass	0.70 0.75
#127	25%	Non-Woven Acoustic Non-Woven Acoustic and 1" – 1.5 pcf Polywrapped Fiberglass	0.70 0.95
#132	20%	Non-Woven Acoustic Non-Woven Acoustic and 1" – 1.5 pcf Polywrapped Fiberglass	0.75 0.90
#185	3.1%	Non-Woven Acoustic Non-Woven Acoustic and 1" – 1.5 pcf Polywrapped Fiberglass	0.65 0.75
#188	6.3%	Non-Woven Acoustic Non-Woven Acoustic and 1" – 1.5 pcf Polywrapped Fiberglass	0.75 0.90
#201	19.6%	Non-Woven Acoustic Non-Woven Acoustic and 1" – 1.5 pcf Polywrapped Fiberglass	0.75 0.75

Acoustical tests performed in accordance with ASTM C423 and ASTM E795, in a type E400 mounting.
Test reports available upon request.



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