METAL CEILINGS

PLANK & TILE
TORSION SPRING – SEGMENTED

© Bob Perzel

Torsion Spring - Segmented metal ceiling system is a popular alternative to curved panels, segmenting allows the use of downward accessible flat panels in a curved ceiling.
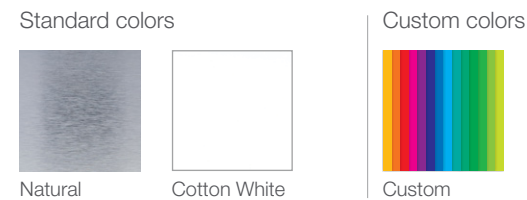
Project: PHX Sky Train™, Phoenix, AZ; Torsion Spring - Segmented
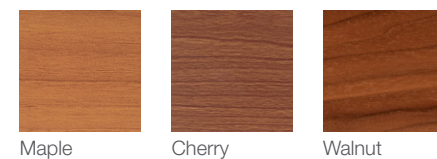
KEY FEATURES

- Two panel size sets:
  – 12" to 36" width up to 120" long
  – 48" width up to 48" long
- Swing-down feature allows point-access and 100% access to plenum
- Square-edge design
- 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
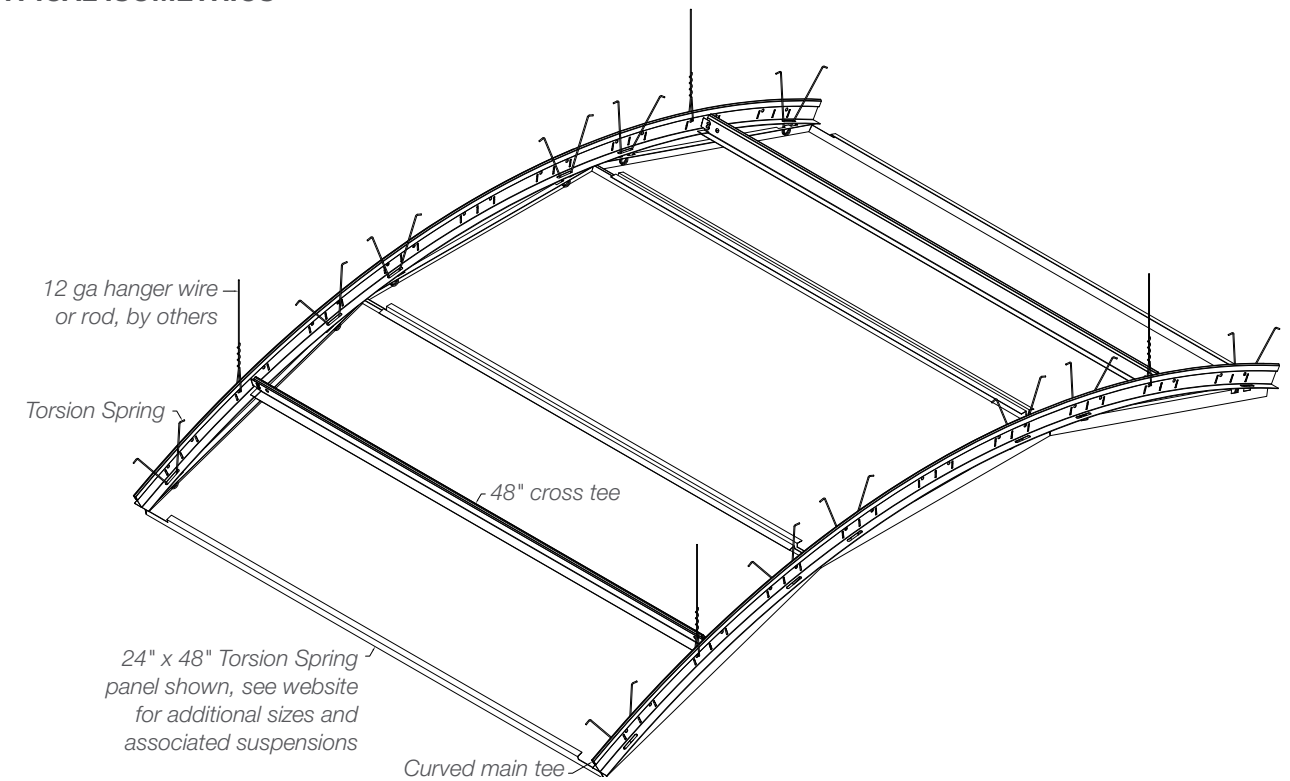
COLORS & FINISHES

Standard colors Natural and Cotton White shown.
Client-specific colors available. Minimum quantities may apply.
Colors are for illustrative purposes. See page 178 for all colors and finishes.

Standard colors

Natural   Cotton White

Custom colors

Custom

Woodwright™ finishes include our painted wood-look finish and laminated wood-look films. See page 180 for all finishes.

Maple   Cherry   Walnut

TYPICAL ISOMETRICS

12 ga hanger wire or rod, by others

Torsion Spring

48" cross tee

24" x 48" Torsion Spring panel shown, see website for additional sizes and associated suspensions

Curved main tee

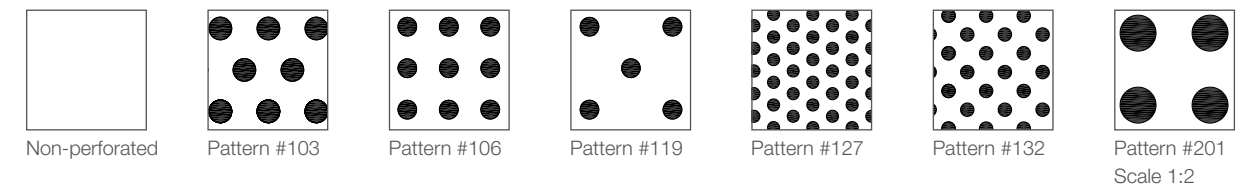## PERFORATION PATTERNS

Standard patterns shown. See page 186 to see all perforation patterns. Scale shown: 1:1, unless otherwise noted.

Non-perforated   Pattern #103   Pattern #106   Pattern #119   Pattern #127   Pattern #132   Pattern #201
Scale 1:2

PHYSICAL DATA

Substrate: Aluminum
Warranty: 1 year
Seismic rating: Zones A,B,C,D,E,F
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
Weight: Varies 1.0 – 1.5 lbs./sq.ft.
Wind load: N/A
Recycled content: Up to 85%
Light reflectance (LR) Coefficient per ASTM E1264 & ASTM E1477:
  – Cotton White: LR = 0.81
Acoustical ratings – NRC: See page 190

BIM
REVIT files available for BIM contributions, see website for details.

LEED V4 CREDITS

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

CERTIFICATIONS
GREENGUARD Gold Certified
HPDs & EPDs – available upon request