

Tavola™ Tall Beams and Baffles

The Tavola™ Tall Beams and Baffles metal ceiling system features a breadth of profile heights and undulating profiles that introduce linear depth and dimensionality into interior spaces.

Features & Benefits

- Multitude of profile dimensions up to 12' long Dimensions:
 - 1", 1.5" and 2" width
 - Available in multiple heights – above 6" up to 15"
- Very high acoustical performance up to 1.10 apparent NRC
- Factory-assembled end cap profiles
- Hidden scissor clips mount to standard heavy-duty 15/16" T-grid suspension
- Waste reduction with factory fabricated dimensional material
- Downweight: reduce dead load with lightweight aluminum
- Easy plenum access
- 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%

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

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

CERTIFICATIONS & PRODUCT DECLARATIONS



GREENGUARD:
GOLD CERTIFIED



EPD
AVAILABLE



HPD
AVAILABLE

Tavola™ Tall Beams and Baffles

Colors & 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



Custom Colors



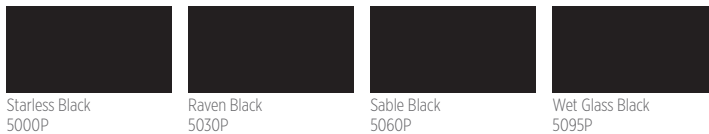
White Finish Options

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.



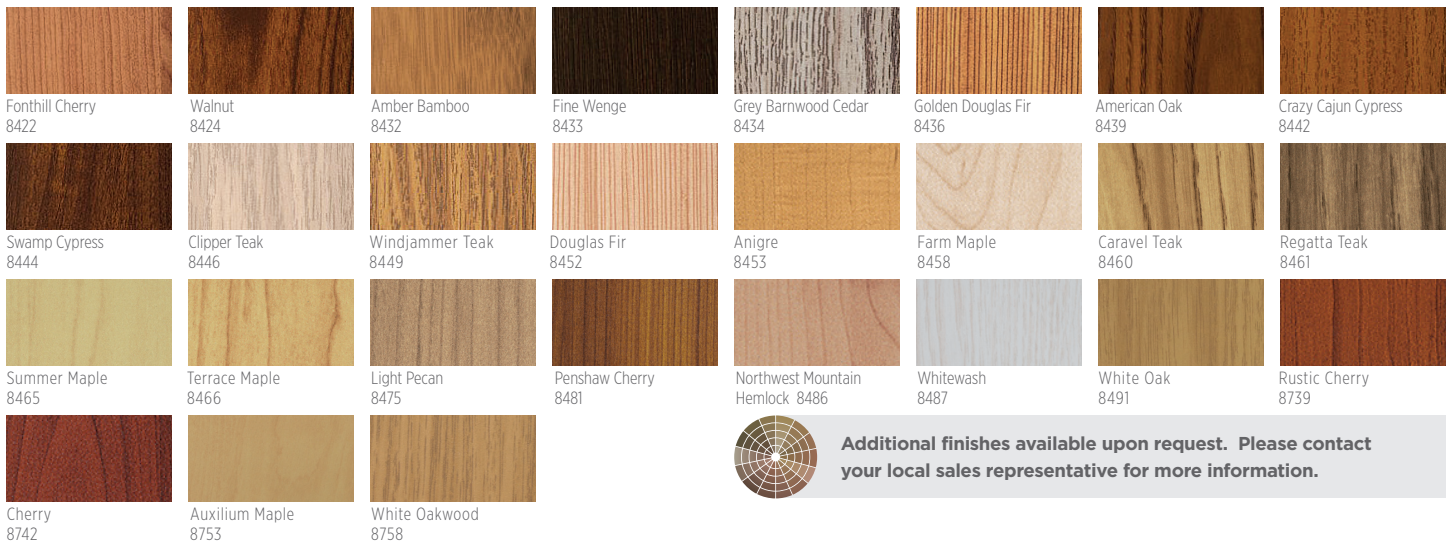
Black Finish Options

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)



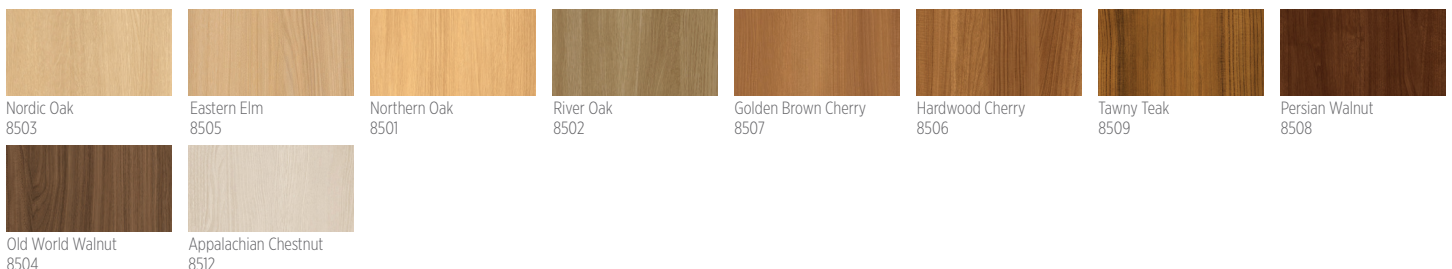
Decorated (Powder-Coat) Wood-Look Options

Powder-coat paint finish (interior and exterior). Formaldehyde-free, Class A composite panel. This finish is recommended for exterior conditions.



Laminated (Film) Wood Finishes

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



Tavola™ Tall Beams and Baffles

Perforation Patterns

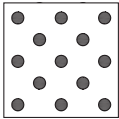
Standard patterns shown. Perforations not available on laminated (film). Scale shown: 1:1, unless otherwise noted.



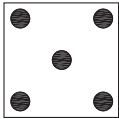
Non-perforated



Pattern #106
Perf. dia: .098 in.
Open area: 16%



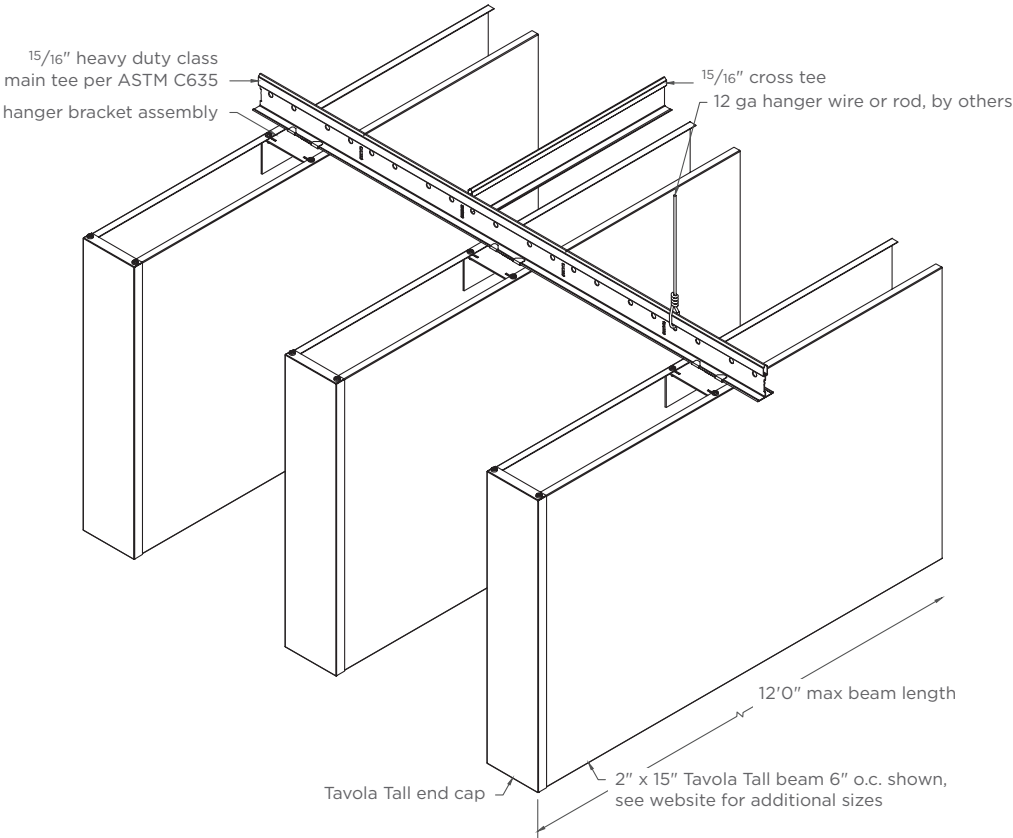
Pattern #115
Perf. dia: .063 in.
Open area: 12%



Pattern #119
Perf. dia: .098 in.
Open area: 8%

Installation Examples

Typical Isometrics



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

Photo: © Josh New / Cox Business Convention Center / Tulsa, OK

Physical Data

MATERIAL

Aluminum

WEIGHT

Varies 0.5 – 4.0 lbs./sq.ft.

FIRE RATING

Class A Fire Rated per ASTM E84

– Painted or anodized metal: Flame spread: ≤ 25,

Smoke ≤ 50

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

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.

| | | |
|--|--|--|
| ACOUSTICAL BAFFLE TEST RESULTS: | 2" x 6" Perforated Baffle Beam – Spacing 6" o.c. | 2" x 12" Perforated Baffle Beam – Spacing 12" o.c. |
| | 2" x 8" Perforated Baffle Beam – Spacing 8" o.c. | 2" x 15" Perforated Baffle Beam – Spacing 15" o.c. |
| | 2" x 10" Perforated Baffle Beam – Spacing 10" o.c. | |
| | | |

| PERFORATION PATTERN | ACOUSTICAL INFILL | 2" x 6" | | 2" x 8" | | 2" x 10" | | 2" x 12" | | 2" x 15" | |
|------------------------|---|----------|------|----------|------|----------|------|----------|------|----------|------|
| | | APPARENT | | APPARENT | | APPARENT | | APPARENT | | APPARENT | |
| | | NRC | SAA | NRC | SAA | NRC | SAA | NRC | SAA | NRC | SAA |
| 106 | Non-Woven plus 1.5", 1.5 pcf fiberglass | 1.00 | 1.00 | * | * | * | * | * | * | * | * |
| 106 | Non-Woven plus 1.5", 1.5 pcf black poly encapsulated fiberglass | 1.00 | 0.95 | * | * | * | * | * | * | * | * |
| 106 | Non-Woven plus 1.5", 3.0 pcf black poly encapsulated fiberglass | 1.00 | 0.96 | * | * | * | * | * | * | * | * |
| 106 | Non-Woven | 0.60 | 0.59 | * | * | * | * | * | * | * | * |
| 115 | Non-Woven plus 1.5", 1.5 pcf black poly encapsulated fiberglass | 1.10 | 1.09 | 1.10 | 1.11 | 1.15 | 1.16 | 1.15 | 1.16 | 1.20 | 1.21 |
| 115 | 1.5", 1.5 pcf black poly encapsulated fiberglass | 1.05 | 1.05 | 1.05 | 1.04 | 1.10 | 1.11 | 1.10 | 1.09 | 1.15 | 1.16 |
| 115 | Non-Woven plus 1.5", 3.0 pcf black poly encapsulated fiberglass | 1.00 | 1.00 | * | * | * | * | * | * | * | * |
| 115 | Non-Woven | 0.70 | 0.69 | 0.60 | 0.61 | 0.75 | 0.73 | 0.75 | 0.74 | 0.75 | 0.75 |
| 119 | Non-Woven plus 1.5", 1.5 pcf black poly encapsulated fiberglass | 1.00 | 0.98 | 1.05 | 1.07 | 1.15 | 1.12 | 1.10 | 1.10 | 1.15 | 1.15 |
| 119 | 1.5", 1.5 pcf black poly encapsulated fiberglass | 1.00 | 0.94 | 1.05 | 1.03 | 1.10 | 1.08 | 1.05 | 1.04 | 1.10 | 1.11 |
| 119 | Non-Woven plus 1.5", 3.0 pcf black poly encapsulated fiberglass | 0.90 | 0.94 | * | * | * | * | * | * | * | * |
| 119 | Non-Woven | 0.60 | 0.58 | 0.60 | 0.60 | 0.75 | 0.73 | 0.75 | 0.76 | 0.75 | 0.73 |

Tests conducted in accordance with ASTM C423 and E795, with mounting type "J". Test reports available upon request.

* Not tested

Appendix D to ASTM C423 Sound Absorption Test

Non-standard calculation of equivalent NRC Rating and Absorption Coefficients from spaced absorbers

At this time, ASTM C423 does not provide a standard method for determining absorption coefficients of spaced object absorbers. Tests of a set of sound absorbing objects spaced apart from each other will yield higher absorption rates than a specimen joined together as a single patch (A-Mount or E-Mount). For this reason it is unfair to provide NRC or absorption coefficient ratings for specimens that consist of a spaced set of absorbers. Despite this, the architectural industry has expressed great demand for a simple "single number" rating for these treatments. Likewise, acoustical consultants desire equivalent absorption coefficient data for use in acoustical modeling software. The following is an attempt to appease these demands until ASTM develops a standard method for calculation. Several alternate non-standard calculation methods are provided. Riverbank Acoustical Laboratories prefers method 1. Rating titles for these methods are prepended with the word "Apparent". These rating names and their associated acronyms are provided by RAL and shall not be misconstrued as originating from any current standard.



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