



SOUND SCAPES[®]

Blades[™]

Linear Acoustical
Panels

Inspiring Great Spaces[®]

Armstrong[®]
CEILING & WALL SOLUTIONS

ULTIMATE

Design Flexibility

SoundScapes® Blades™ offers virtually unlimited design options. Your choice of shapes, depths, colors, and installation options.

SoundScapes® Blades™ panels offer many benefits:

- ▶ Three installation options for maximum design flexibility:
 - Attach to standard 15/16" suspension system
 - Suspend individually using a hanging kit
 - Direct-attach to both ceilings AND walls using Axiom® Wall Molding
- ▶ Hundreds of design combinations
- ▶ Reduce noise and define spaces
- ▶ Integrated hardware
- ▶ Available in White and 13 standard Colorations® colors or made-to-order Sherwin-Williams® colors

More Options = More Designs

SoundScapes® Blades™ Rectangles 22" custom lengths in White ▶
Renaissance Dallas at Plano Legacy West Hotel, Plano, TX
Architect: Looney & Associates, Dallas, TX





▲ Custom SoundScapes® Blades™ Rectangles in varying lengths and depths in White; Cornerstone Academy, Atlanta, GA; Chapman Coyle Chapman Architects, Marietta, GA



It's all about THE LINES

Straight or wavy, intersecting or parallel, monochromatic or multi-colored – the design options with Blades™ are vast. Find a sampling of our favorite designs in perspective and plan view drawings on the next few pages.

Now, with three ways to install on ceilings and walls you have even more options. CAD/Revit® files on the web, and also available at Techline.

Attach to standard
suspension system

1



Individual suspension
using hanging kit

2



Direct-attach method using
Axiom® Wall Molding

3

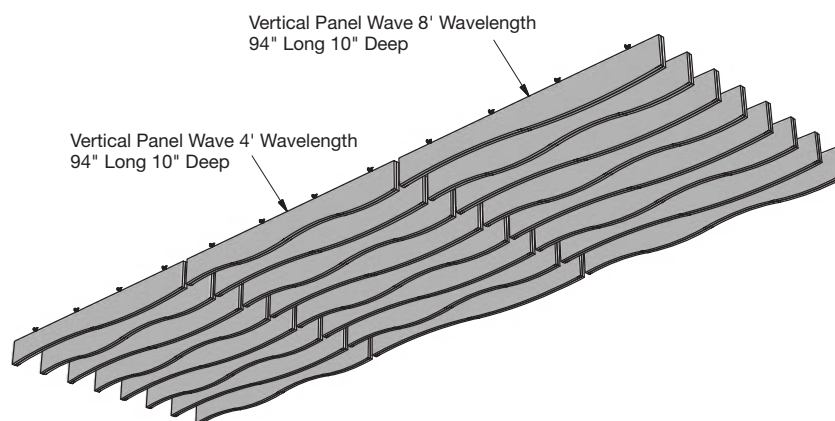


Ceiling



Wall

SOUNDCAPES® Blades™

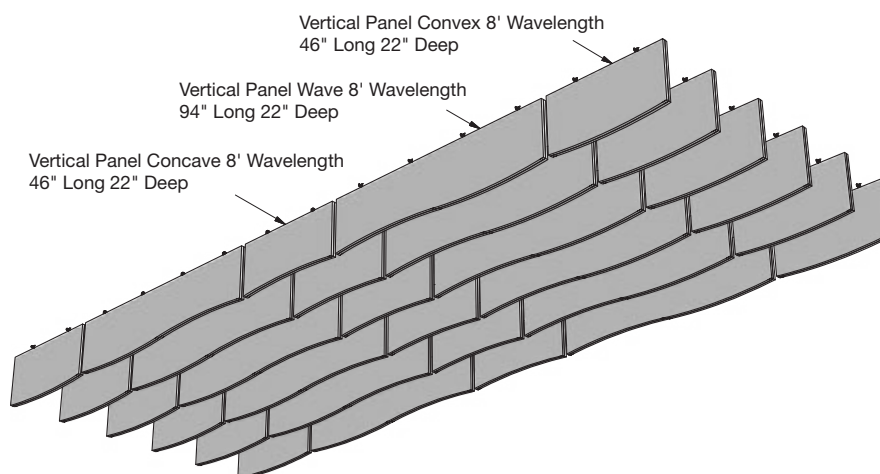
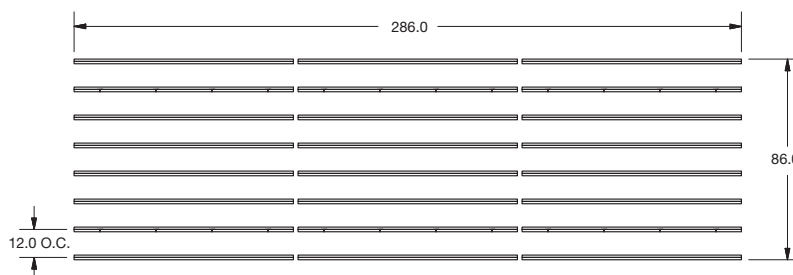


Straight Layout

24 x 7 x 0.8' module
with items 7244, 7248

Installation method

- Suspension System
- Direct-attach

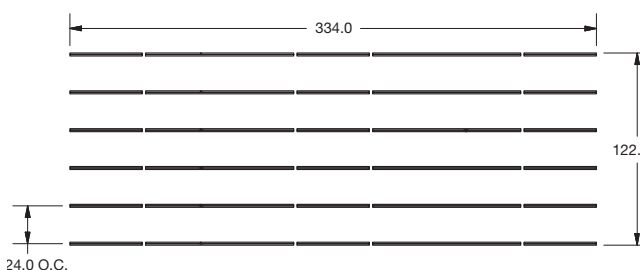


Straight Layout

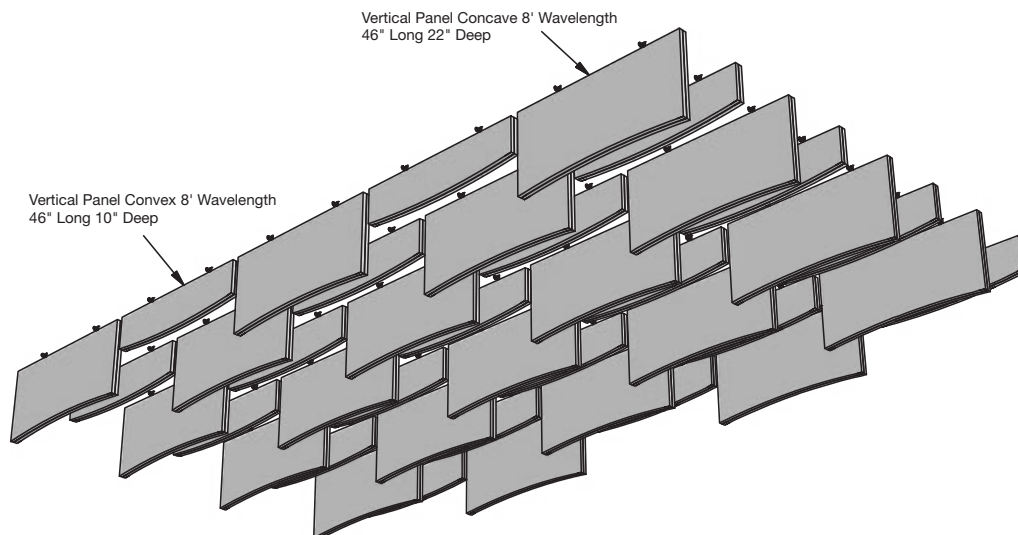
28 x 10 x 1.8' module with
items 7242, 7243, 7245

Installation method

- Suspension System
- Direct-attach



SOUNDSCAPES® Blades™

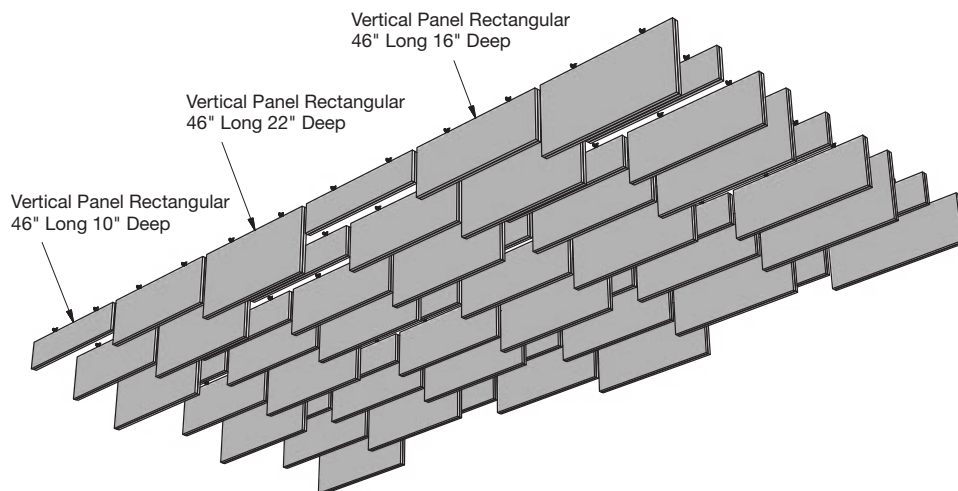
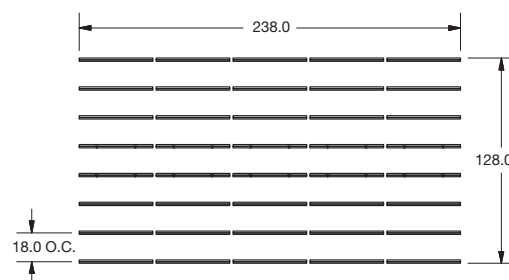


Straight Layout

20 x 11 x 1.8' module
with items 7241, 7242

Installation method

- Suspension System
- Direct-attach

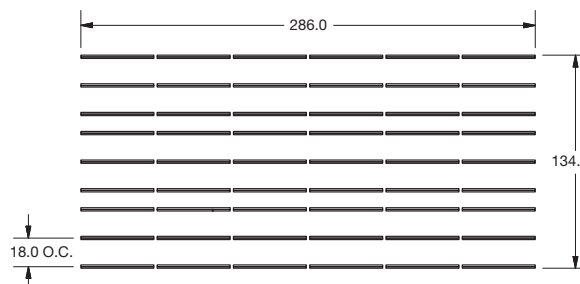


Straight Layout

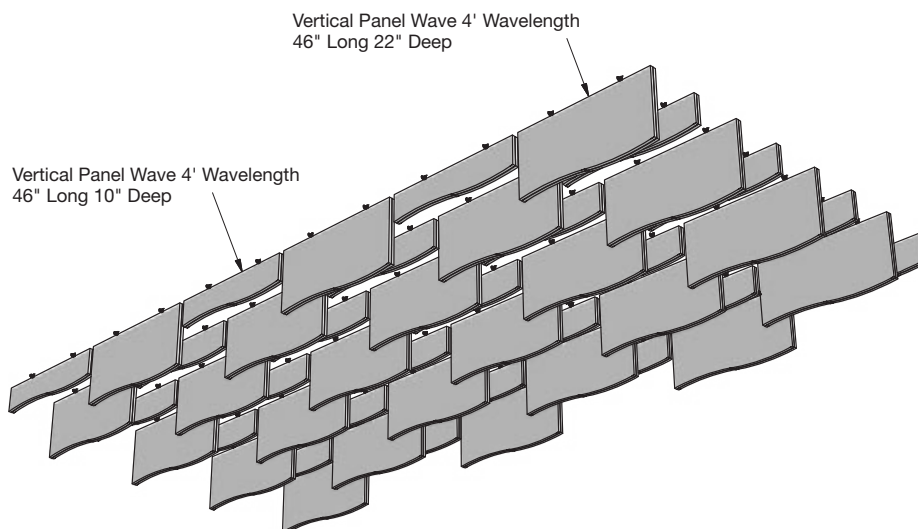
24 x 11 x 1.8' module with
items 3920, 7192, 3922

Installation method

- Suspension System
- Direct-attach



SOUNDSCAPES® Blades™

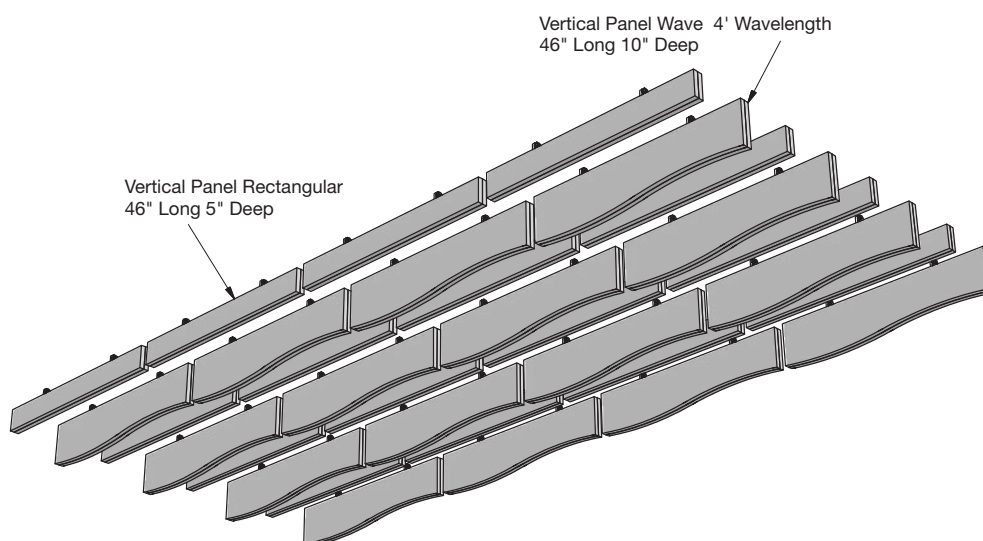
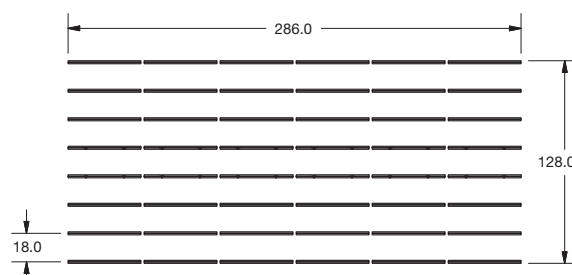


Straight Layout

24 x 11 x 1.8' module with
items BP7246, BP7247

Installation methods

- Suspension System
- Direct-attach

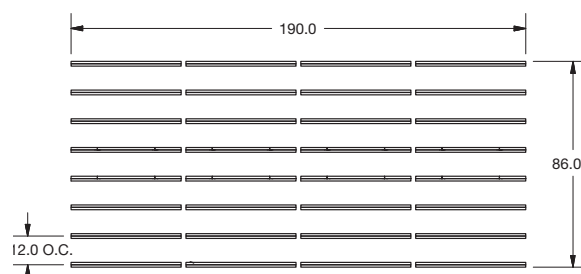


Straight Layout

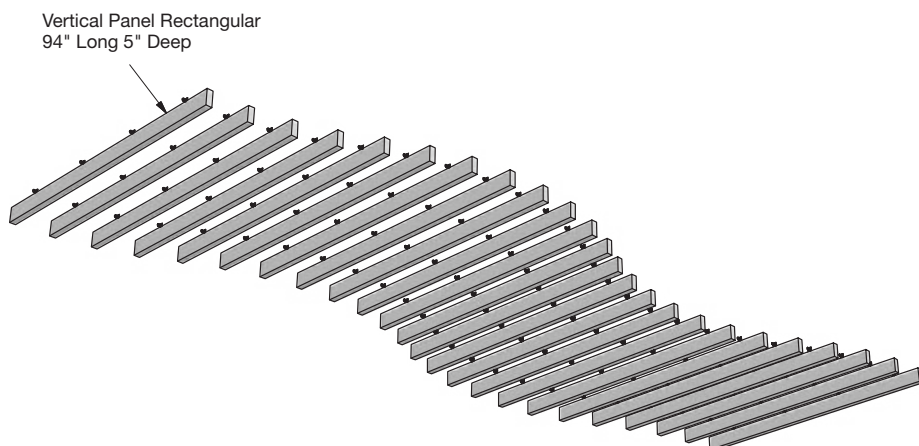
16 x 7 x 0.8' module with
items BP7190, BP7246

Installation methods

- Suspension System
- Direct-attach



SOUNDSCAPES® Blades™

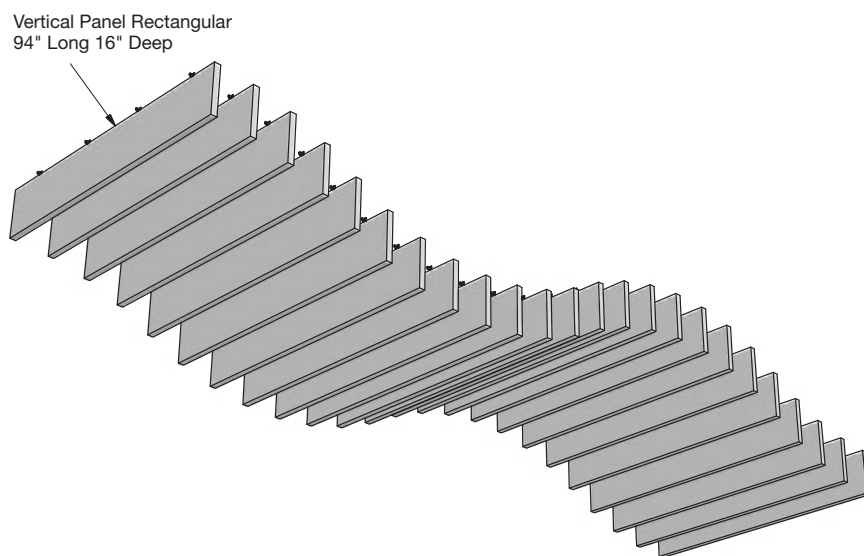
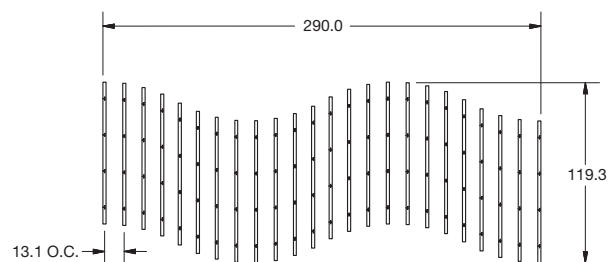


Horizontal Wave Layout

24 x 10 x 0.4' module
with item BP7191

Installation methods

- Hanging Kit
- Direct-attach

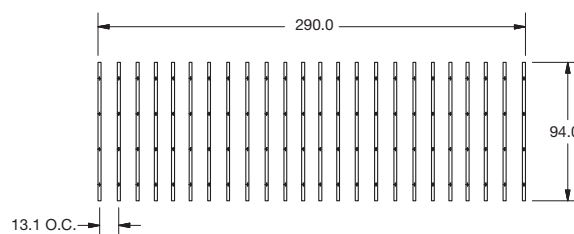


Vertical Wave Layout

24 x 8 x 5.3' module
with item BP7193

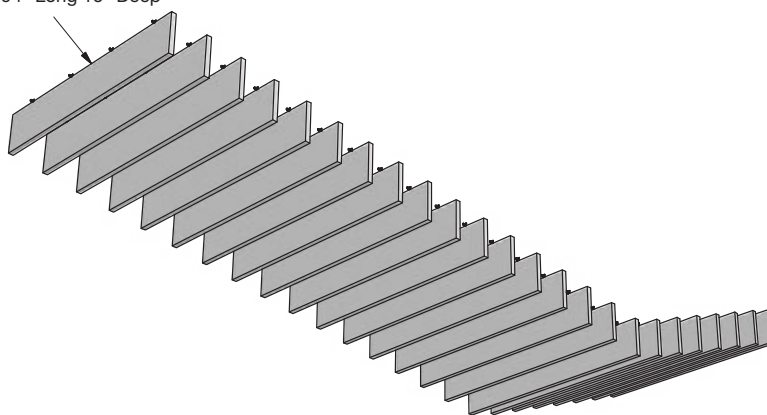
Installation methods

- Hanging Kit



SOUNDSCAPES® Blades™

Vertical Panel Rectangular
94" Long 16" Deep

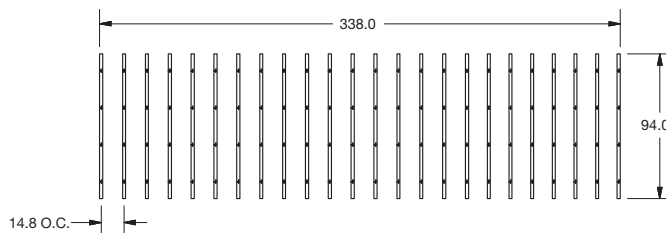


Valley Layout

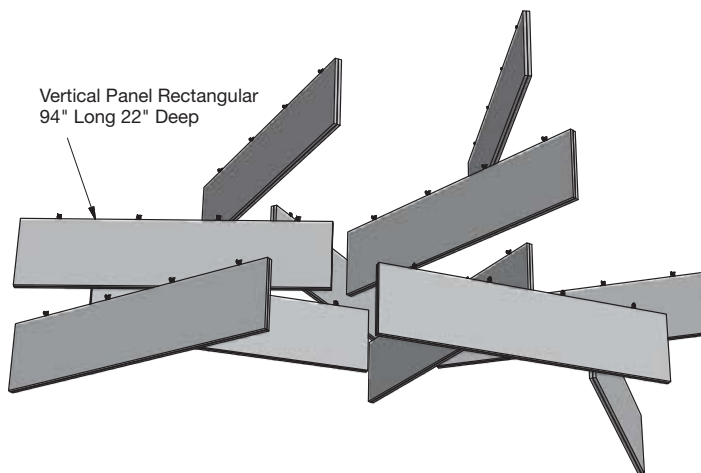
28 x 8 x 4.7' module with
item 7193

Module

- Hanging Kit



Vertical Panel Rectangular
94" Long 22" Deep

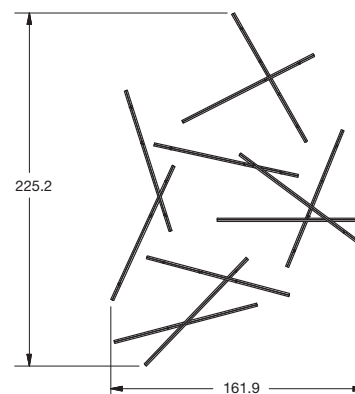


Chandelier Layout

19 x 14 x 7.8' module
with item 3923

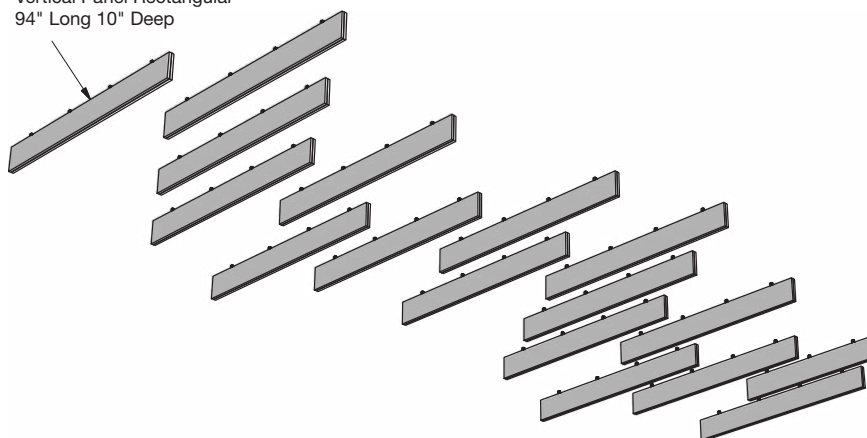
Module

- Hanging Kit



SOUNDCAPES® Blades™

Vertical Panel Rectangular
94" Long 10" Deep

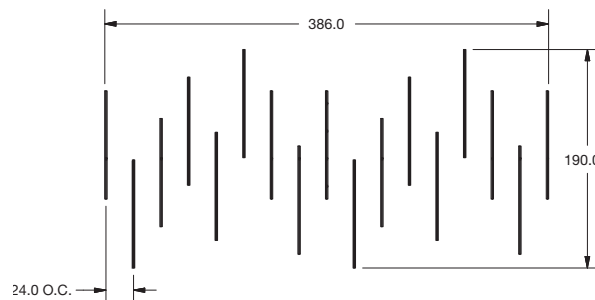


Horizontal Shake Layout

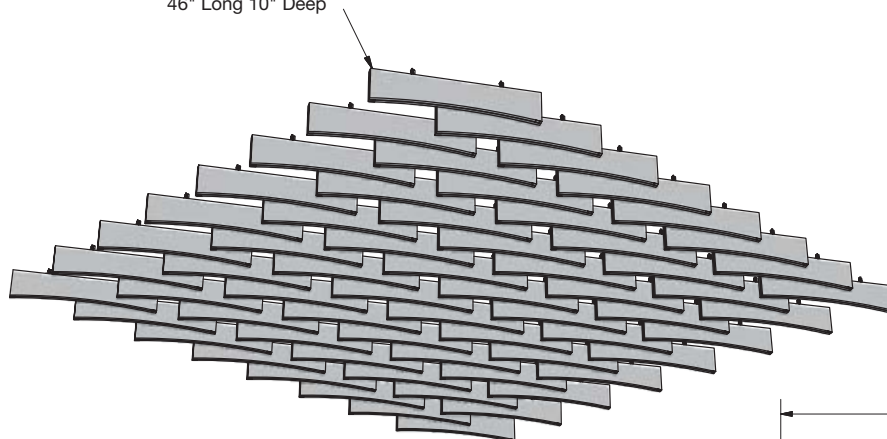
32 x 16 x 0.8' module
with item 3921

Module

- Hanging Kit
- Direct-attach



Vertical Panel Concave 8' Wavelength
46" Long 10" Deep

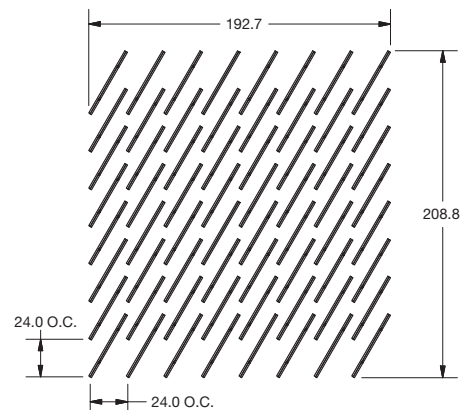


Sails Layout

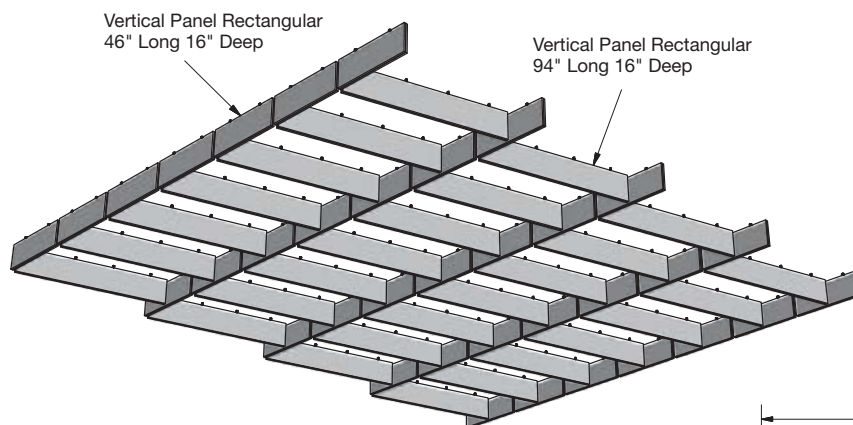
16 x 17 x 0.8' module
with item 7240

Module

- Direct-attach



SOUNDSCAPES® Blades™

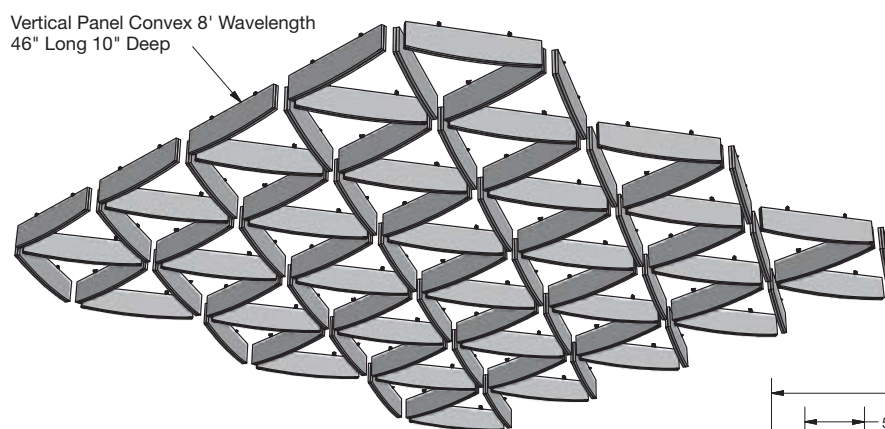
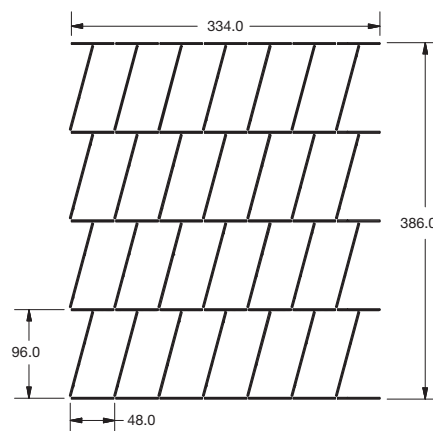


Open-Cell Parallelogram Layout

28 x 32 x 1.3' module with
items 7192, 7193

Module

- Direct-attach

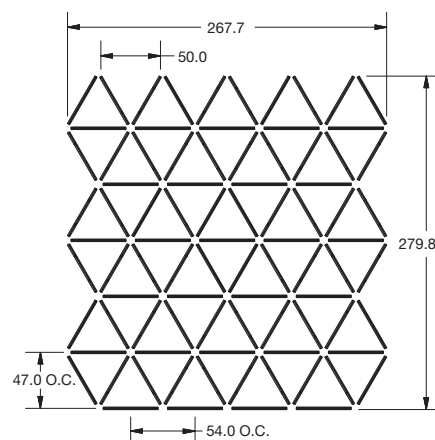


Open-Cell Convex Triangle –

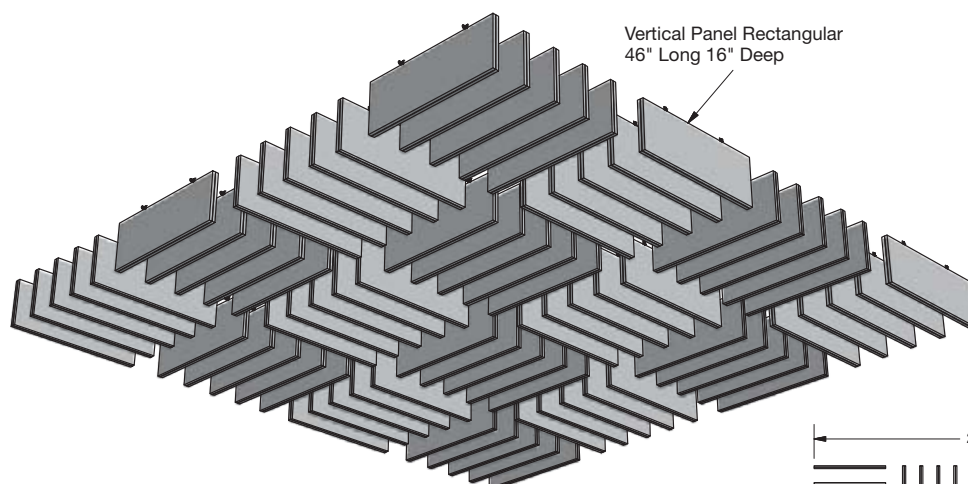
22 x 23 x 0.8' module
with item 7241

Module

- Direct-attach



SOUNDSCAPES® Blades™

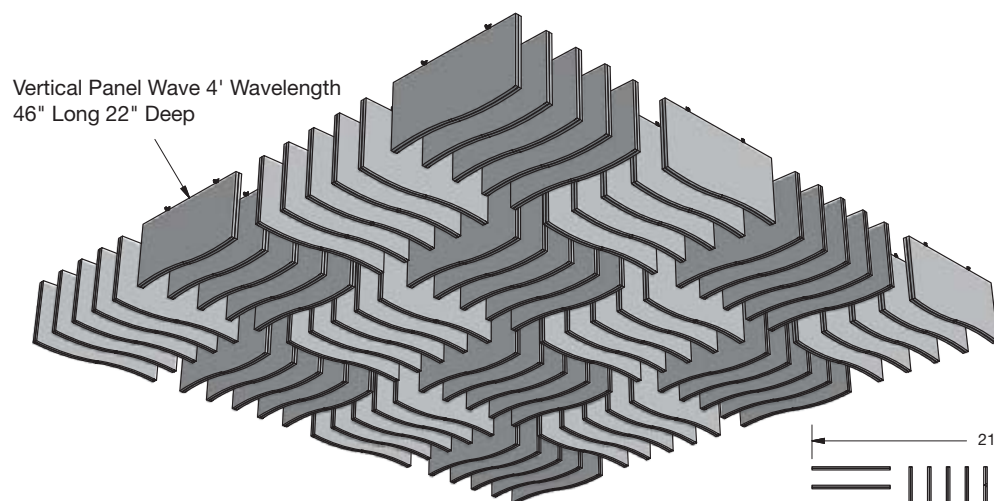
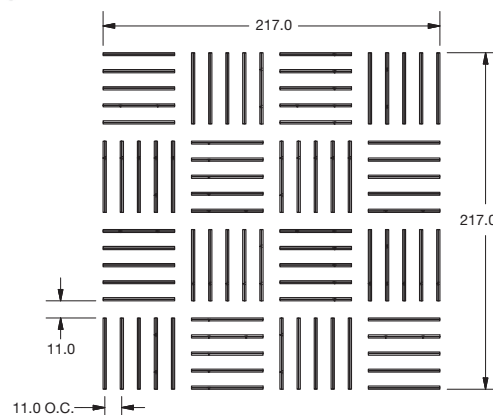


Checkerboard Layout

18 x 18 x 1.3' module
with item 7192

Module

- Direct-attach

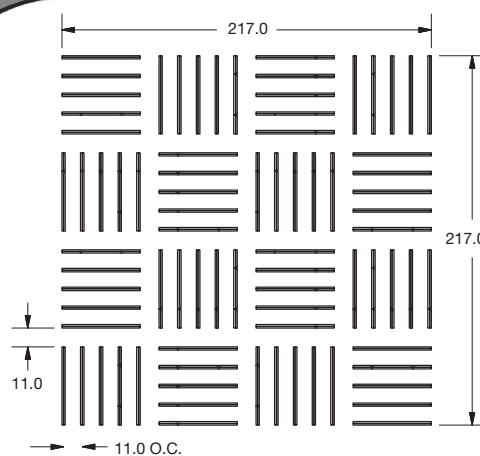


Wavelength Checkerboard Layout

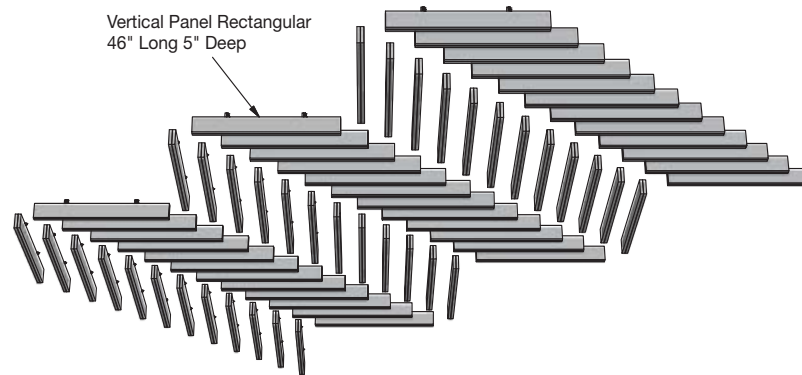
18 x 18 x 1.8' module
with item 7247

Module

- Direct-attach



SOUNDSCAPES® Blades™

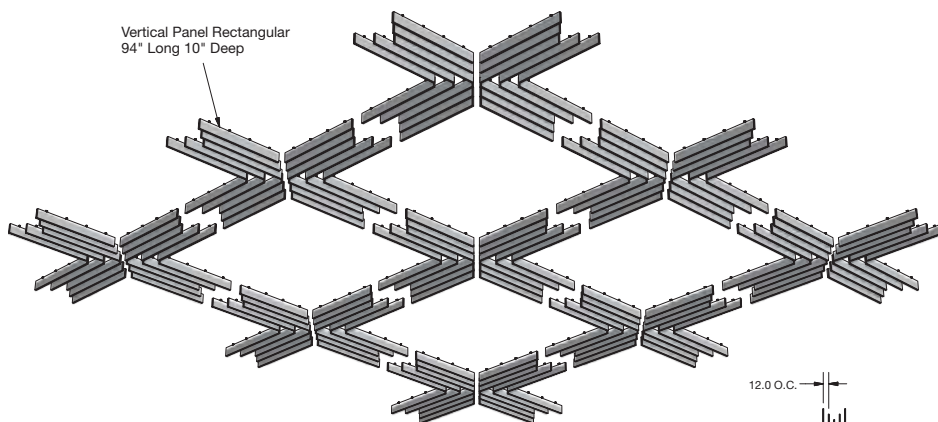
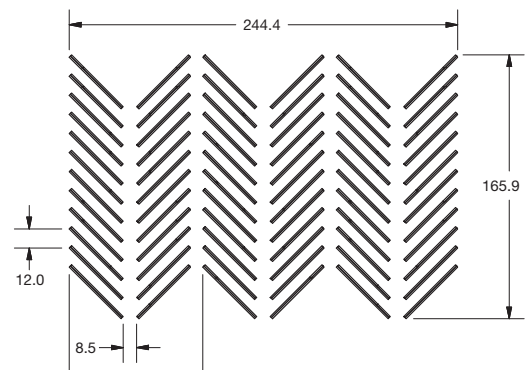


Arrows Layout

20 x 14 x 0.4' module
with item 7190

Module

- Direct-attach

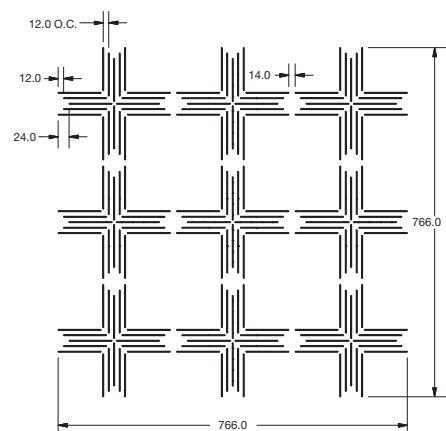


Cross Layout

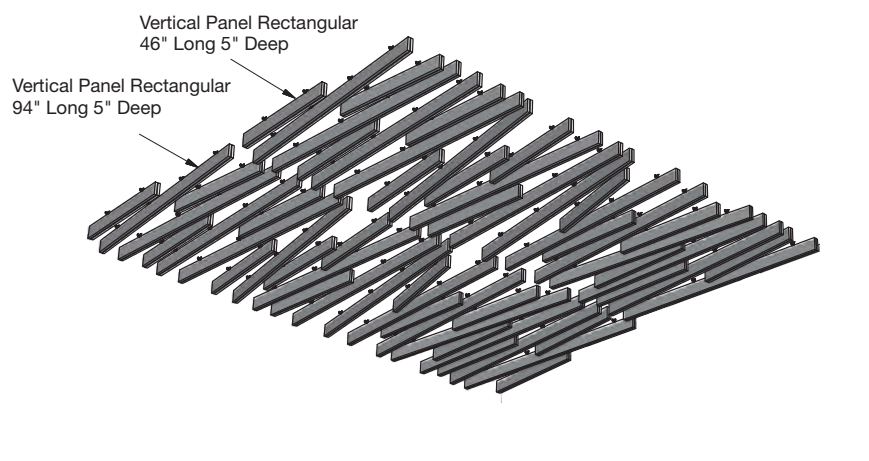
64 x 64 x 0.8' module
with item 3921

Module

- Direct-attach



SOUNDCAPES® Blades™

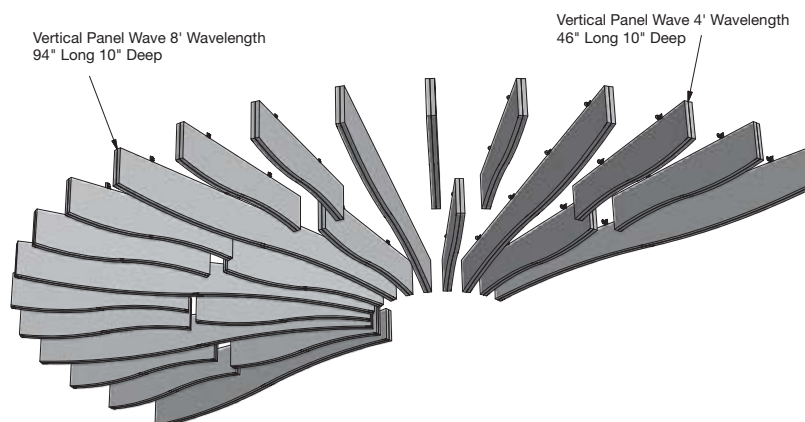
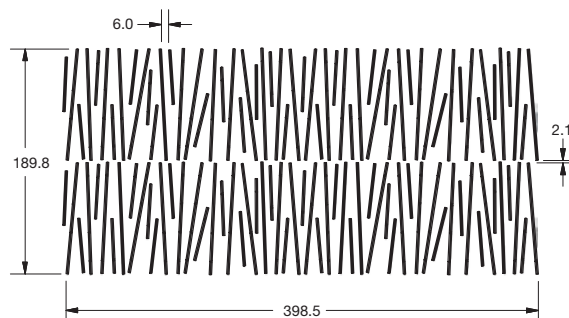


Divergent Layout

20 x 16 x 0.4' module
with items 7190, 7191

Module

- Direct-attach

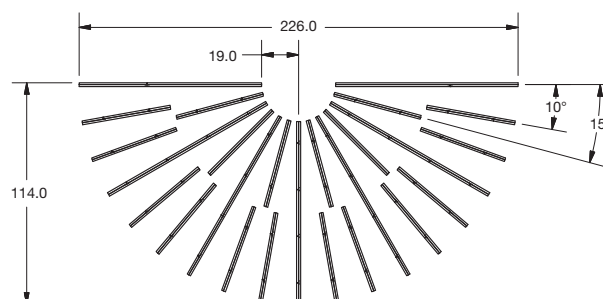


Sunburst Layout

22 x 10 x 0.8' module
with items 7244, 7246

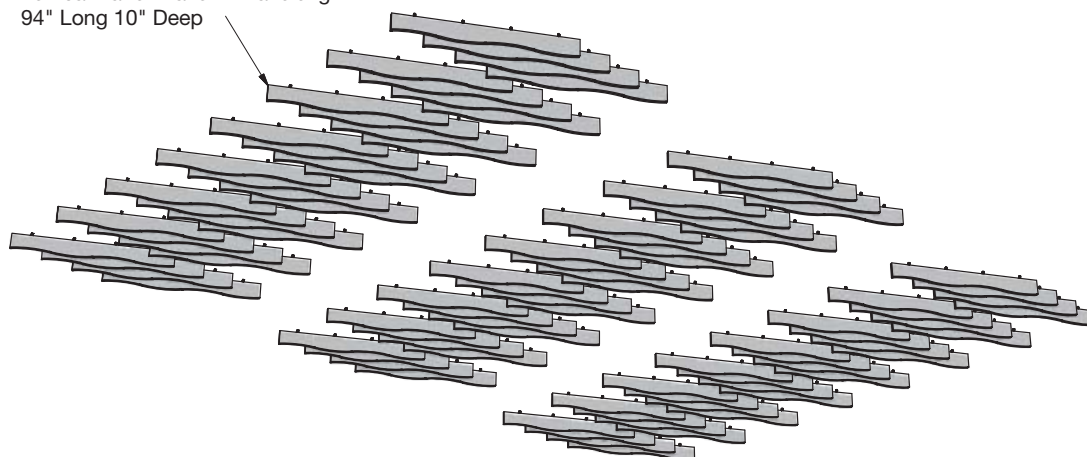
Module

- Direct-attach



SOUNDSCAPES® Blades™

Vertical Panel Wave 4' Wavelength
94" Long 10" Deep

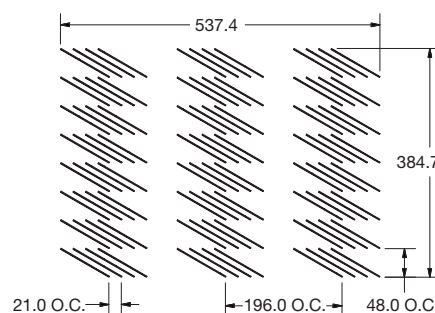


Grouped Wave Layout

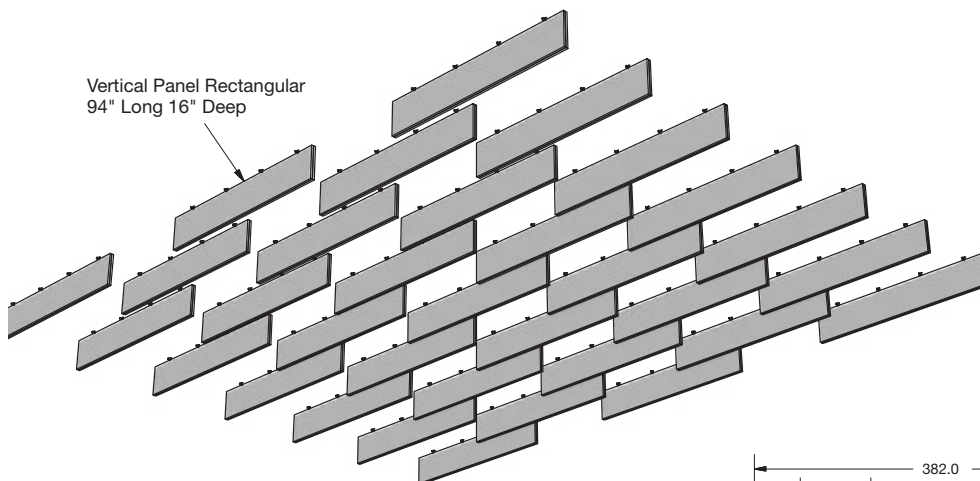
45 x 32 x 0.8' module
with item 7248

Module

- Direct-attach



Vertical Panel Rectangular
94" Long 16" Deep

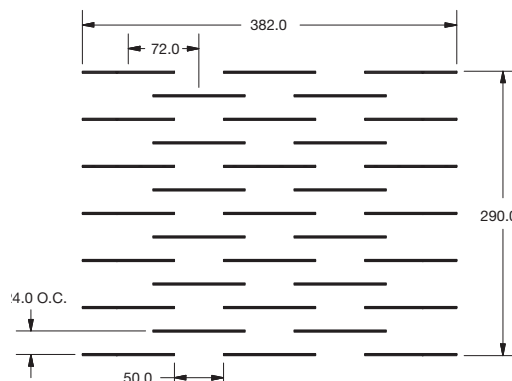


Wide-Staggered Layout

32 x 24 W, 1.3' module
with item 7193

Module

- Hanging Kit
- Direct-attach



SOUNDSCAPES® Blades™ Acoustics

Spotlight™ Acoustics

Sound absorption is measured in Sabins. A Sabin is the unit of total sound absorption provided by a “space absorber” such as a cloud, canopy, blade, or baffle installed within an architectural space.

Acoustical absorption is important to:

- Reduce noise levels and reverberation time
- Enhance speech intelligibility

Reverberation Time (RT)

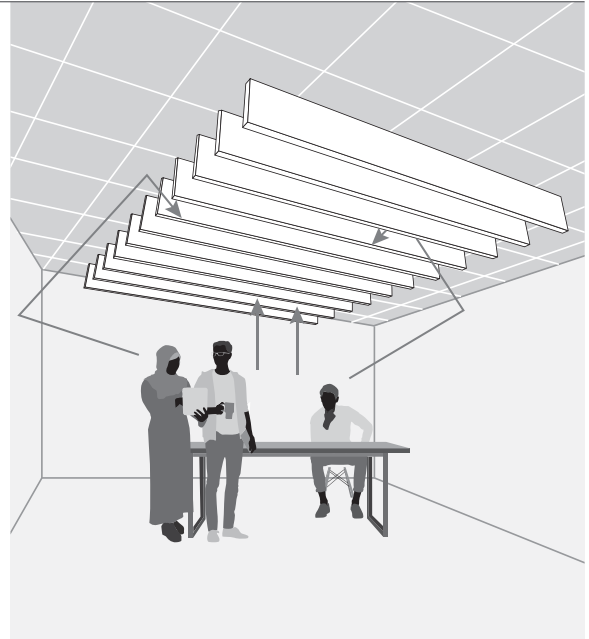
Reverberation Time (RT) is the persistence of sound in an enclosed space after the source of the sound has stopped. The level of the reverberant sound within a room is dependent on both the volume of the room and the amount of sound absorption installed within the room, such that small, hard-surfaced rooms are “louder” than large, well-treated rooms.

Rules of thumb:

Short RTs (< 1 sec) are preferred for high-quality speech intelligibility in classrooms and open plan office spaces.

Long RTs (> 1.4 sec) are preferred for lively acoustic environments such as auditoriums and hospitality.

Acoustical solutions, like Canopies, Clouds, Baffles or Blades™ vertical elements installed in a way that covers 8% to 50% of the ceiling, will provide significant reverberation time improvement since sound is absorbed from both the front and back of the panels. Blades are especially effective as the required ceiling coverage is much smaller to get the RT reduction because most of the surface area is vertical.



SoundScapes® Blades™ panels in White provide 1.38 Sabins/ft²

Comparison: Exposed Structure Options Versus Continuous Ceiling

Example:

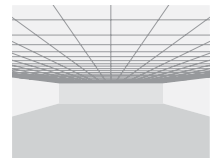
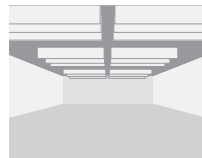
Exposed Structure

Blades™ & Baffles

Direct-To-Deck

Canopies & Clouds

Continuous Ceiling



1,000 SF Exposed Structure (40' x 25'), 15' to deck, drywall with 20% window coverage and commercial carpet

	Exposed Structure	SoundScapes® Blades (8% coverage)	InvisAcoustics™ (50% coverage)	SoundScapes® Shapes (50% coverage)	Continuous Optima® Ceiling (100% Coverage)
Ceiling	No Treatment (0% Coverage)	60 Blades (10 x 94 x 2")	62 Panels (24 x 48 x 3/4")	32 Shapes 48" x 48" Squares	Suspended 60" Below Deck
Absorption	0	1.38 Sabins/ft²	0.75 NRC	1.49 Sabins/ft²	0.90 NRC
Reverberation Time (RT)	2.4 sec	0.8 sec	1.1 sec	0.8 sec	0.5 sec
	Short RTs (< 1 sec) are preferred for high-quality speech intelligibility in classrooms and open plan office spaces. Long RTs (> 1.4 sec) are preferred for lively acoustic environments such as auditoriums and hospitality.				
Reverberation Time Improvement	—	67%	54%	67%	79%
Noise Reduction	—	-3.6 dB	-2.6 dB	-3.6 dB	-4.5 dB

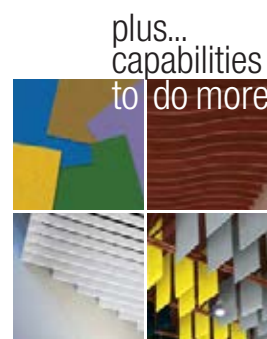
SOUNDSCAPES® Blades™

Linear Acoustical Panels

smooth texture



Custom SoundScapes® Blades™, Rectangular in varying lengths and depths in White



plus...
capabilities
to do more

armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

Acoustical vertical panels reduce reverberation time in your space, now with three ways to install on ceilings and walls.

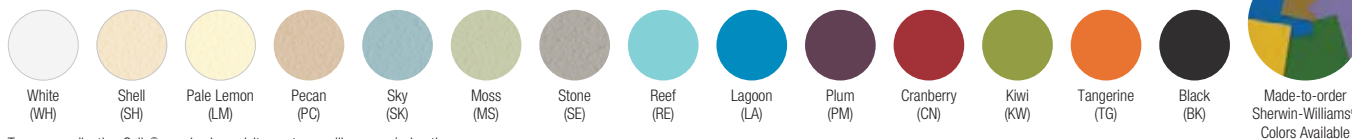
KEY SELECTION ATTRIBUTES



- Three installation options for maximum ceiling and wall design flexibility
 - From standard suspension system
 - From individual cable suspension
 - Direct-attach method using Axiom® Wall Molding
- Excellent acoustical absorption – 1.38 Sabins/ft²
- Twenty vertical panel sizes and shapes
- Linear, upscale visual
- Seismic-tested
- Integrated hardware
- Custom panel options available
- Custom colors within the Sherwin-Williams® color line
- Add scrim to top edge as a premium option

COLORS

Due to printing limitations, shade may vary from actual product.



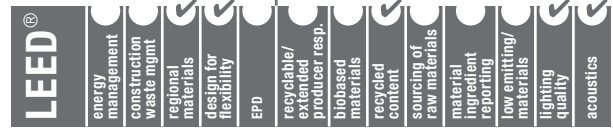
To see coordinating Calla® panel colors, visit armstrongceilings.com/colorations.
For premium and custom capabilities, contact TechLine at 877 276-7876.

SOUNDSCAPES® Blades™

Linear Acoustical Panels
smooth texture

71% RECYCLED CONTENT

Calculate LEED contribution at
armstrongceilings.com/greengenie



LOCATION DEPENDENT

VISUAL SELECTION Shown in elevation view

Item No. ♦ Description Dimensions (Inches)

SOUNDSCAPES® Blades™ Vertical Panel Rectangular

7190_ _	Vertical panel Rectangular	5 x 46 x 2"	
7191_ _	Vertical panel Rectangular	5 x 94 x 2"	
3920_ _	Vertical panel	10 x 46 x 2"	
3921_ _	Vertical panel	10 x 94 x 2"	
7192_ _	Vertical panel Rectangular	16 x 46 x 2"	
7193_ _	Vertical panel Rectangular	16 x 94 x 2"	
3922_ _	Vertical panel	22 x 46 x 2"	

PERFORMANCE Dots represent high level of performance.

Sabins/ Panel	Light Reflect (White Only)	Fire Rating	Anti-Mold & Mildew	Sag Resist Humi- Guard+	Wash	Impact	Scratch	Soil
2.2	0.90 •	Class A	•	•	•	•	•	•
4.5	0.90 •	Class A	•	•	•	•	•	•
4.4	0.90 •	Class A	•	•	•	•	•	•
9.0	0.90 •	Class A	•	•	•	•	•	•
7.0	0.90 •	Class A	•	•	•	•	•	•
14.4	0.90 •	Class A	•	•	•	•	•	•
9.7	0.90 •	Class A	•	•	•	•	•	•

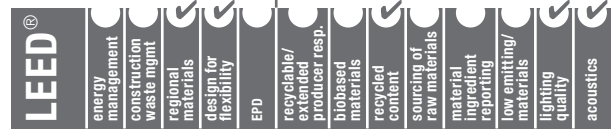
NOTE: Scrimmed top edges offered as "Premium." EXAMPLE: BPAS3920S6WH, where "S6" = scrimmed all sides.
♦ Add 2-letter color suffix to end of item number (e.g., 3920 W H = White)

SOUNDSCAPES® Blades™

Linear Acoustical Panels
smooth texture

71% RECYCLED CONTENT

Calculate LEED contribution at
armstrongceilings.com/greengenie



LOCATION DEPENDENT

VISUAL SELECTION

Shown in elevation view

PERFORMANCE

Dots represent high level of performance.

Item No. ♦	Description	Dimensions (Inches)	
SOUNDSCAPES® Blades™ Vertical Panel Wave			
3923__	Vertical panel	22 x 94 x 2"	
7194__	Vertical panel Rectangular	28 x 46 x 2"	
7195__	Vertical panel Rectangular	28 x 94 x 2"	
7240__	Vertical panel 8' Wavelength Concave	7.5 x 46 x 2"	
7241__	Vertical panel 8' Wavelength Convex	10.5 x 46 x 2"	
7242__	Vertical panel 8' Wavelength Concave	19.5 x 46 x 2"	
7243__	Vertical panel 8' Wavelength Convex	22.5 x 46 x 2"	

Sabins/ Panel	Light Reflect (White Only)	Fire Rating	Anti-Mold & Mildew Inherent	Sag Resist Humi- Guard+	Wash	Impact	Scratch	Soil
19.8	0.90 •	Class A	•	•	•	•	•	•
12.3	0.90 •	Class A	•	•	•	•	•	•
25.2	0.90 •	Class A	•	•	•	•	•	•
3.5	0.90 •	Class A	•	•	•	•	•	•
4.4	0.90 •	Class A	•	•	•	•	•	•
8.8	0.90 •	Class A	•	•	•	•	•	•
9.7	0.90 •	Class A	•	•	•	•	•	•

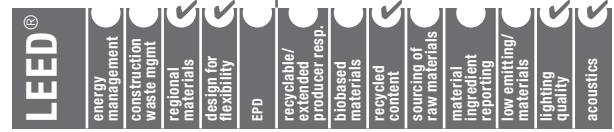
NOTE: Scrimmed top edges offered as "Premium." EXAMPLE: BPAS3920S6WH, where "S6" = scrimmed all sides.
♦ Add 2-letter color suffix to end of item number (e.g., 3920 W H = White)

SOUNDSCAPES® Blades™

Linear Acoustical Panels
smooth texture

71% RECYCLED CONTENT

Calculate LEED contribution at
armstrongceilings.com/greengenie



LOCATION DEPENDENT

VISUAL SELECTION Shown in elevation view

PERFORMANCE Dots represent high level of performance.

Item No. ♦	Description	Dimensions (Inches)	
SOUNDSCAPES® Blades™ Vertical Panel Wave			
7244 _ _	Vertical panel 8' Wavelength Wave	10.5 x 94 x 2"	
7245 _ _	Vertical panel 8' Wavelength Wave	22.5 x 94 x 2"	
7246 _ _	Vertical panel 4' Wavelength Wave	10 x 46 x 2"	
7247 _ _	Vertical panel 4' Wavelength Wave	22 x 46 x 2"	
7248 _ _	Vertical panel 4' Wavelength Wave	10 x 94 x 2"	
7249 _ _	Vertical panel 4' Wavelength Wave	22 x 94 x 2"	

Sabins/ Panel	Light Reflect (White Only)	Fire Rating	Anti-Mold & Mildew	Sag Resist Humi- Guard+	Wash	Impact	Scratch	Soil
8.1	0.90 •	Class A	•	•	•	•	•	•
18.9	0.90 •	Class A	•	•	•	•	•	•
4.0	0.90 •	Class A	•	•	•	•	•	•
9.3	0.90 •	Class A	•	•	•	•	•	•
8.1	0.90 •	Class A	•	•	•	•	•	•
18.9	0.90 •	Class A	•	•	•	•	•	•

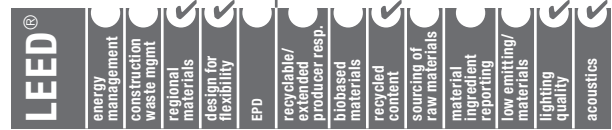
NOTE: Scrimmed top edges offered as "Premium." EXAMPLE: BPAS3920S6WH, where "S6" = scrimmed all sides.
♦ Add 2-letter color suffix to end of item number (e.g., 3920 W H = White)

SOUNDSCAPES® Blades™

Linear Acoustical Panels
smooth texture

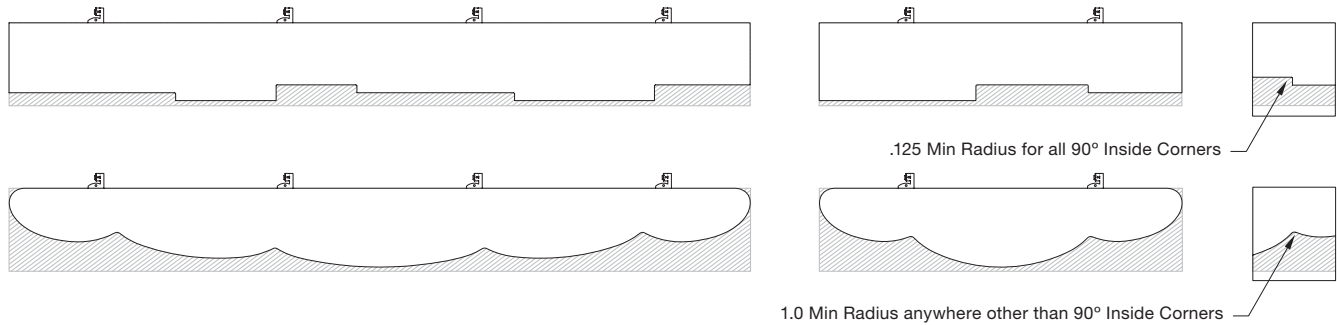
71% RECYCLED CONTENT

Calculate LEED contribution at
armstrongceilings.com/greengenie

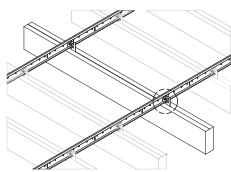


LOCATION DEPENDENT

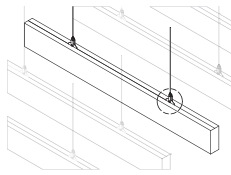
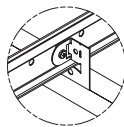
CUSTOM PANEL DESIGN EXAMPLES



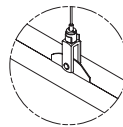
THREE WAYS TO INSTALL



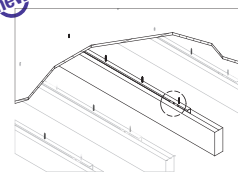
Attachment to Suspension System



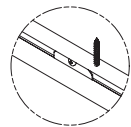
Individual Suspension using Hanging Kit



new

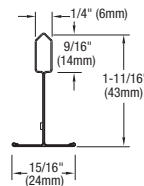


Direct-attach Method using Axiom® Wall Molding



INSTALLATION OPTIONS

Item No. ♦	Description	Lin Ft/ Carton
PRELUDE® XL®		
7301__	HD Main Beam	240
XL7341__	48" Cross Tee	240
XL8320__	24" Cross Tee	120
7800__	7/8" Wall Angle	360
360° PAINTED GRID Suspension system available in RAL® colors.		
56418	144" HD Main Beam	240
730136__	Black (BL) and White (WH) colors only	240
56421	48" Cross Tee	240
XL34036__	Black (BL) and White (WH) colors only	240
56419	24" Cross Tee	120
XL732036__	Black (BL) and White (WH) colors only	120
7800	7/8" Wall Angle	360
780036__	Black (BL) and White (WH) colors only	360



♦ When specifying or ordering items with a color, add the two-letter suffix to the end of the item number (e.g. 7301BL)

Item No. ♦	Description	Pieces/Carton
------------	-------------	---------------

new

DIRECT-ATTACH WITH AXIOM WALL MOLDING

AXM34STR3__	Straight Wall Molding – Shadow 10°	(360 Paint Recommended; order by the piece)
--------------------	------------------------------------	---



INDIVIDUAL SUSPENSION USING HANGING KIT

BP6655	4-Point Hanging Kit	4 per bag
---------------	---------------------	-----------



ACCESSORIES

ARBRKT	Adjustable Hanger Bracket	80
QSUTC	Rigid Attachment Clip	150
STAC	Single Tee Adapter Clip	120



SOUNDSCAPES® Blades™

Linear Acoustical Panels

smooth texture



SoundScapes® Blades™ Rectangles 5" x 4' in White, Direct-Attach to Wall

PHYSICAL DATA

Material

2" thick fiberglass with DuraBrite® scrim on face and sides.

Surface Finish

DuraBrite scrim with factory-applied paint on face and sides. Standard White has energy-saving, high light-reflective finish (LR 0.90). Top of panel is unfinished with embedded hanging clips.

Fire Performance

SoundScapes® Blades™ panel material is ASTM E84 Class A: Flame Spread 25 or under and Smoke Developed 50 or less.

CAN/ULC S102 surface burning characteristics. Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.

SoundScapes Blades panels, as with other architectural features located in the ceiling plane, may obstruct or skew the existing or planned fire sprinkler water distribution pattern, or possibly delay the activation of the fire sprinkler or fire detection system. Consult a fire protection engineer, NFPA 13, and local codes for guidance on the proper installation techniques where fire detection or suppression systems are present.

Acoustical Performance

1.38 Sabins per square foot or 64% more sound absorption than the same square footage of NRC 0.90 continuous ceilings. Blades™ colored panels have slightly reduced acoustical performance.

Design Considerations

SoundScapes® Blades™ panels maintain a natural bow that may be noticeable when installed 2" or less apart. Deflection up to 1/8" has been documented in some cases.

Special care in installation and handling must be taken with color panels to avoid surface damage to the paint finish. Custom colors are available with a Sherwin-Williams® color code from the Duration® or Harmony® flat interior paint families (Code SW _ _ _ _).

5" SoundScapes Blades can now be used on walls, but are not recommended for use in high-traffic or high-impact areas. For best results, install above 6' from floor level.

Seismic Restraint

Refer to ASCE 7-10, Section 13.5 Architectural Components, for seismic requirements. Section 13.5, item 2 refers to 13.2.3 Consequential Damage.

Recommended Suspension Systems

SoundScapes Blades panels are pre-assembled with metal hanging clips in the top of the panels. See Installation Instructions BPLA-297844 for installation details.

Warranty

Details at armstrongceilings.com

Panel Weight

7190	– 1.6 lbs per panel
7191	– 3.3 lbs per panel
3920	– 3.2 lbs per panel
3921	– 6.5 lbs per panel
7192	– 5.1 lbs per panel
7193	– 10.4 lbs per panel
3922	– 7.0 lbs per panel
3923	– 14.4 lbs per panel
7194	– 8.9 lbs per panel
7195	– 18.3 lbs per panel
7240	– 2.9 lbs per panel
7241	– 3.5 lbs per panel
7242	– 6.7 lbs per panel
7243	– 7.2 lbs per panel
7244	– 5.9 lbs per panel
7245	– 13.7 lbs per panel
7246	– 3.2 lbs per panel
7247	– 7.0 lbs per panel
7248	– 6.5 lbs per panel
7249	– 14.4 lbs per panel

Panels/Carton

4

Minimum Order Quantity

1 carton

TAKE THE NEXT STEP

1 877 276 7876

Customer Service Representatives
7:45 a.m. to 5:00 p.m. EST
Monday through Friday

TechLine – Technical information, detail drawings,
CAD design assistance, installation information,
other technical services – 8:00 a.m. to 5:30 p.m. EST,
Monday through Friday. FAX 1 800 572 8324
or email: techline@armstrongceilings.com

armstrongceilings.com/commercial

Latest product news
Standard and custom product information
Online catalog
CAD, Revit®, SketchUp® files
A Ceiling for Every Space® Visual Selection Tool
Reverberation Calculator
Product literature and samples – express service
or regular delivery
Contacts – reps, where to buy, who will install

YOU INSPIRE™ SOLUTIONS CENTER

1 800 988 2585
email: solutionscenter@armstrongceilings.com
armstrongceilings.com/youinspire

Design Assistance

Collaborative design
Detail drawings
Specifications
Planning and budgeting

Pre-construction Assistance

Layout drawings for standard
and premium products
Project installation recommendations
Contractor installation assistance

you inspire™
solutions center

helping to bring your one-of-a-kind ideas to life

COVER: Custom SoundScapes® Blades™ in
White and custom colors
Inset: SoundScapes Blades panels
in 4' Wavelength Waves in White

LEED® is a registered trademark of the U.S. Green Building Council®
SketchUp® is a registered trademark of Trimble Inc.; Revit® is a registered trademark of Autodesk, Inc.
Sherwin-Williams®, Duration®, and Harmony® are registered trademarks of The Sherwin-Williams Company
RAL® is a registered trademark of RAL gGmbH; Inspiring Great Spaces® is a registered trademark of AFI Licensing LLC
All other trademarks used herein are the property of AWI Licensing Company and/or its affiliates
© 2018 AWI Licensing Company • Printed in the United States of America

armstrongceilings.com/soundscapesblades

Inspiring Great Spaces®

Armstrong®
CEILING & WALL SOLUTIONS