



SOUNDSCAPES<sup>®</sup>  
Shapes  
Design  
Guide

# SHAPE UP

## the Character of Your Space

Deliver acoustics in playful installations with SoundScapes® Shapes, available in a variety of shapes, angles, colors, and sizes. Use grouping frame kits to combine standard shapes into unique patterns to transform your space.

- ▶ New 60-degree triangle, trapezoid, and parallelogram shapes and grouping frame alignment kit enhance exposed structure spaces with exciting on-trend geometric designs
- ▶ Aesthetically define spaces with with superior engineered solutions that have excellent acoustical performance – 1.18 Sabins/SF
- ▶ Standard items available in 13 shapes and 14 colors – custom shapes, sizes, and colors also available
- ▶ Fast and easy installation to deck, drywall, standard suspension system, or wall in adjustable heights and angles
- ▶ Lighting integration options available through our partners
- ▶ 360-degree panel finishing capability available

SoundScapes® Shapes ▶  
60 degree Shapes with  
1" Lighting Integration

## Unique Patterns





▲ SoundScapes Shapes Hexagons in White with Stencil Pendant Light Fixtures by Axis®



# Acoustics & AESTHETICS

These geometric designs offer maximum design flexibility and excellent acoustical performance for exposed structure spaces.

In the following pages, see how easy it is to combine standard shapes to create unique patterns for a custom visual.

Then go to [armstrongceilings.com/soundscapesshapes](http://armstrongceilings.com/soundscapesshapes) to download detailed layout drawings. There you'll find specific information, including bill of materials for each pattern, so you can reinvent your ceiling without the guesswork.

## SOUNDSCAPES® SHAPES NOISE REDUCTION

	Reverberation Time (RT)		
	GOOD* RT=1.4s	BETTER** RT=1.0s	BEST** RT=0.6s
1,000 ft <sup>2</sup> Exposed Structure (15' to metal deck), drywall with 20% window coverage, commercial carpet			
# of 48" x 48" Shapes	12	23	49
% of Deck Coverage	19%	37%	78%

\* Long RTs (≤ 1.4 sec) = for lively acoustic environments (auditoriums/hospitality)

\*\* Short RTs (< 1 sec) = high-quality speech intelligibility (classrooms/open plan spaces)

# SOUNDSCAPES® Shapes

## 60 Degree Panels

### SOUNDSCAPES Shapes – Pattern SSSH 1

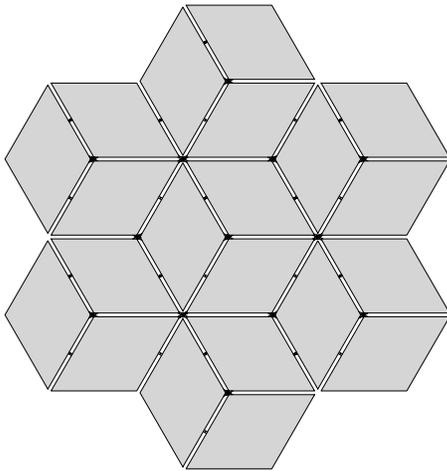
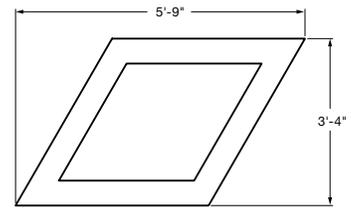
SOUNDSCAPES SHAPES USED IN THIS PATTERN:

60 degree Parallelogram – 21 pcs

5451 Grouping Frame Kit – 6 ctns

GROUPING SIZE: 20'-10" length x 20'-0" width

SPACER FRAME ALIGNMENT: 60 degrees



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### SOUNDSCAPES Shapes – Pattern SSSH 2

SOUNDSCAPES SHAPES USED IN THIS PATTERN:

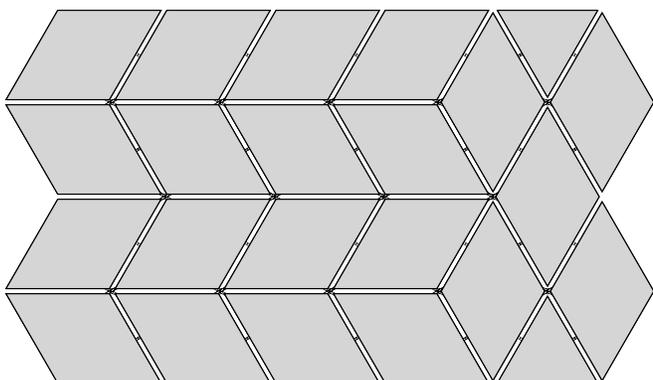
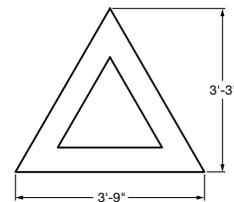
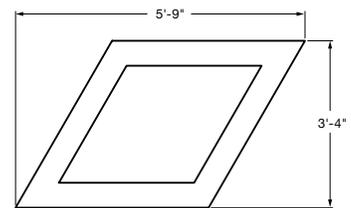
60 degree Parallelogram – 21 pcs

60 degree Triangle – 2 pcs

5451 Grouping Frame Kit, 6 ctns

GROUPING SIZE: 24'-1" length x 13'-10" width

SPACER FRAME ALIGNMENT: 60 degrees



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# SOUNDSCAPES® Shapes

## 60 Degree Panels

### SOUNDSCAPES Shapes – Pattern SSSH 3

SOUNDSCAPES SHAPES USED IN THIS PATTERN:

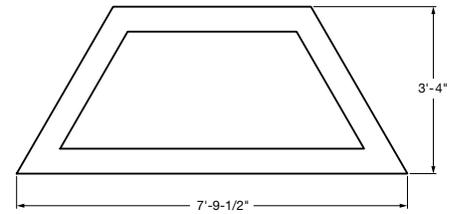
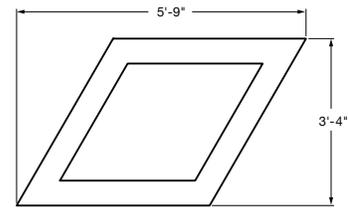
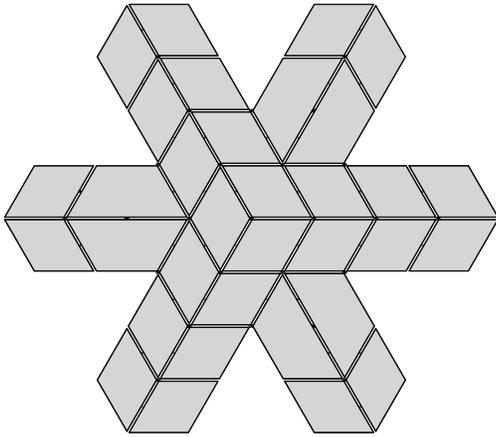
60 degree Parallelogram – 27 pcs

60 degree Trapezoid – 6 pcs

5451 Grouping Frame Kit – 10 ctns

GROUPING SIZE: 32'-1" length x 27'-10" width

SPACER FRAME ALIGNMENT: 60 degrees



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### SOUNDSCAPES Shapes – Pattern SSSH 4

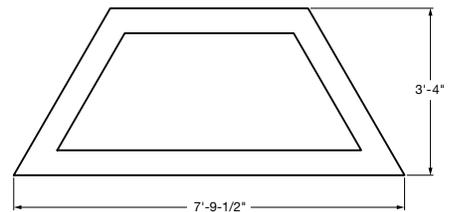
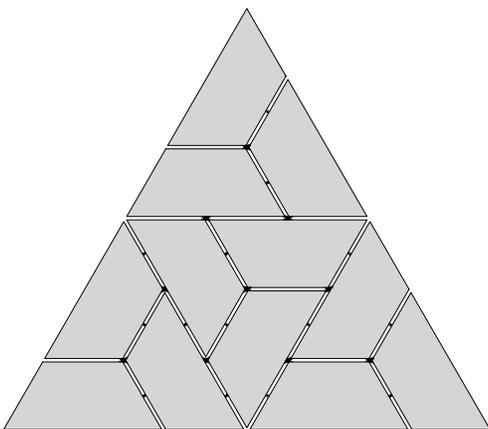
SOUNDSCAPES SHAPES USED IN THIS PATTERN:

60 degree Trapezoid – 12 pcs

5451 Grouping Frame Kit – 21 ctns

GROUPING SIZE: 24'-0" length x 20'-9" width

SPACER FRAME ALIGNMENT: 60 degrees



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# SOUNDSCAPES® Shapes

## 60 Degree Panels

### SOUNDSCAPES Shapes – Pattern SSSH 5

SOUNDSCAPES SHAPES USED IN THIS PATTERN:

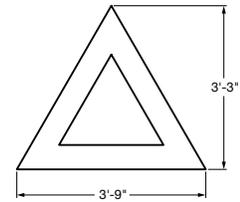
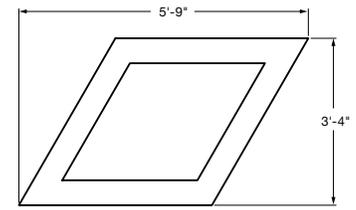
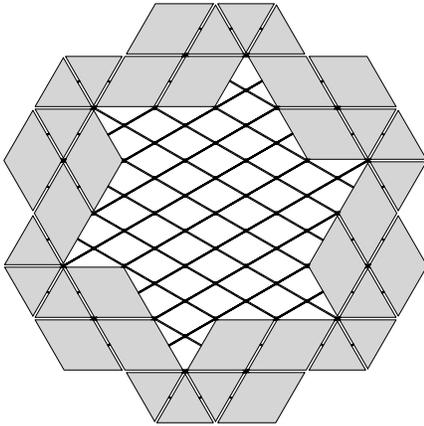
60 degree Parallelogram – 18 pcs

60 degree Triangle – 18 pcs

5451 Grouping Frame Kit – 12 ctns

GROUPING SIZE: 28'-2" length x 27'-10" width

SPACER FRAME ALIGNMENT: 60 degrees



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### SOUNDSCAPES Shapes – Pattern SSSH 6

SOUNDSCAPES SHAPES USED IN THIS PATTERN:

60 degree Parallelogram – 15 pcs

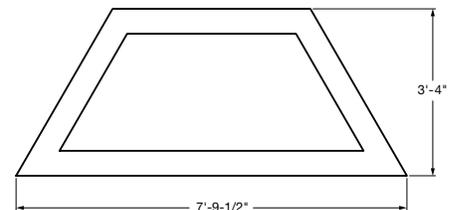
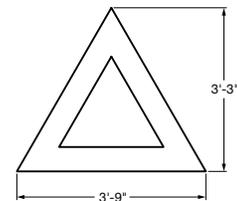
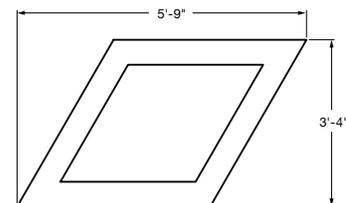
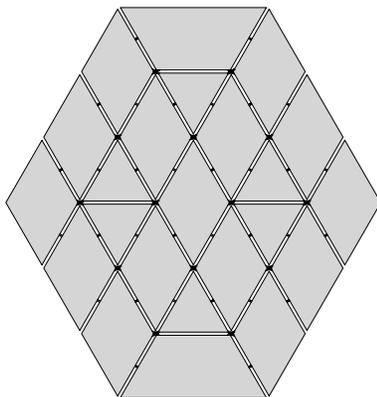
60 degree Triangle – 6 pcs

60 degree Trapezoid – 2 pcs

5451 Grouping Frame Kit – 6 ctns

GROUPING SIZE: 20'-10" length x 20'-1" width

SPACER FRAME ALIGNMENT: 60 degrees



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# SOUNDSCAPES® Shapes

## 60 Degree Panels

### SOUNDSCAPES Shapes – Pattern SSSH 7

SOUNDSCAPES SHAPES USED IN THIS PATTERN:

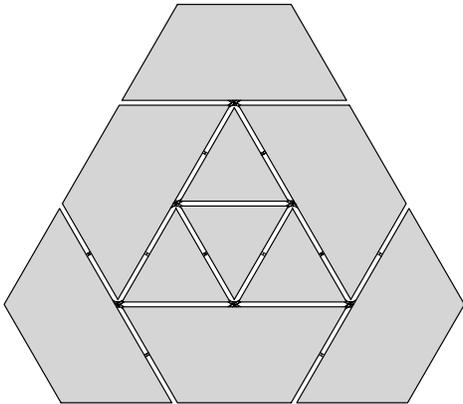
60 degree Triangle – 4 pcs

60 degree Trapezoid – 6 pcs

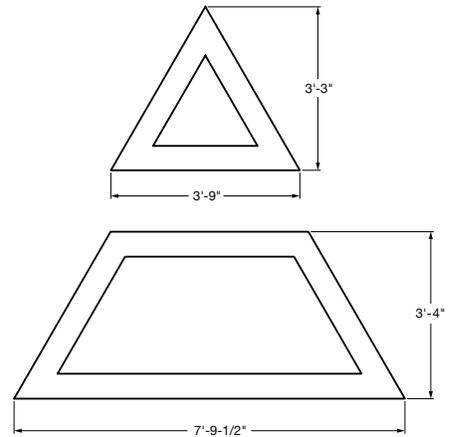
5451 Grouping Frame Kit, 3 ctns

GROUPING SIZE: 16'-0" length x 13'-10" width

SPACER FRAME ALIGNMENT: 60 degrees



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### SOUNDSCAPES Shapes – Pattern SSSH 8

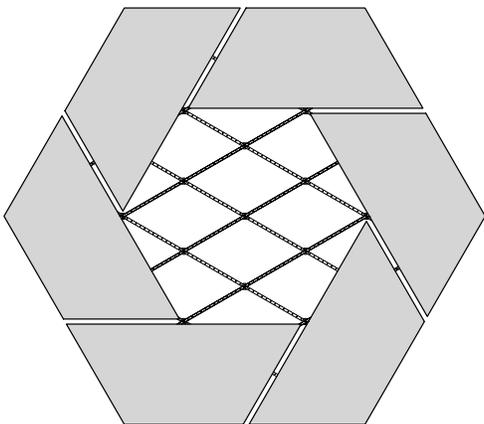
SOUNDSCAPES SHAPES USED IN THIS PATTERN:

60 degree Trapezoid – 6 pcs

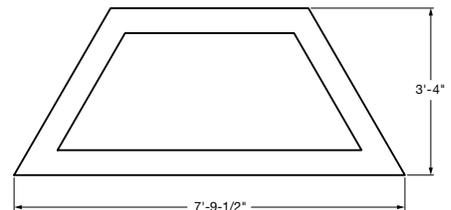
5451 Grouping Frame Kit – 4 ctns

GROUPING SIZE: 16'-0" length x 13'-10" width

SPACER FRAME ALIGNMENT: 60 degrees



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# SOUNDSCAPES® Shapes

## 60 Degree Panels

### SOUNDSCAPES Shapes – Pattern SSSH 9

SOUNDSCAPES SHAPES USED IN THIS PATTERN:

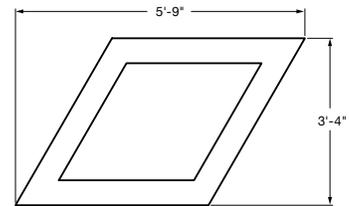
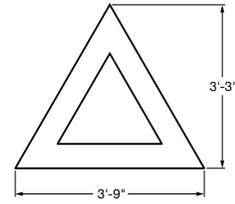
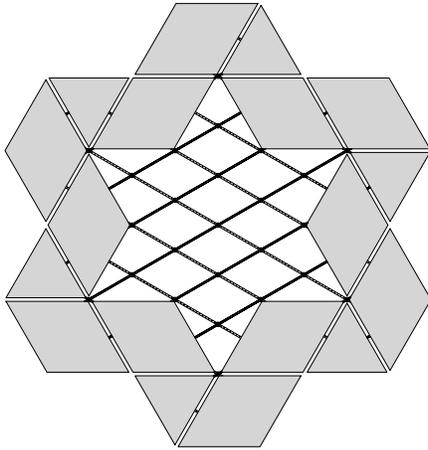
60 degree Triangle – 6 pcs

60 degree Parallelogram – 12 pcss

5451 Grouping Frame Kit – 6 ctns

GROUPING SIZE: 20'-10" length x 20'-1" width

SPACER FRAME ALIGNMENT: 60 degrees



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### SOUNDSCAPES Shapes – Pattern SSSH 10

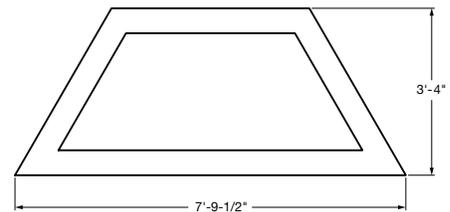
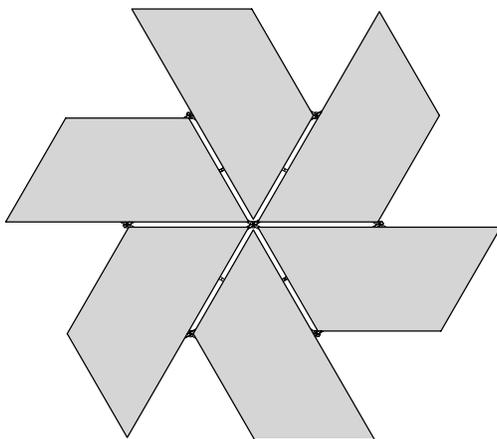
SOUNDSCAPES SHAPES USED IN THIS PATTERN:

60 degree Trapezoid – 6 pcs

5451 Grouping Frame Kit – 3 ctns

GROUPING SIZE: 15'-11" length x 13'-10" width

SPACER FRAME ALIGNMENT: 60 degrees



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# SOUNDSCAPES® Shapes

## 60 Degree Panels

### SOUNDSCAPES Shapes – Pattern SSSH 11

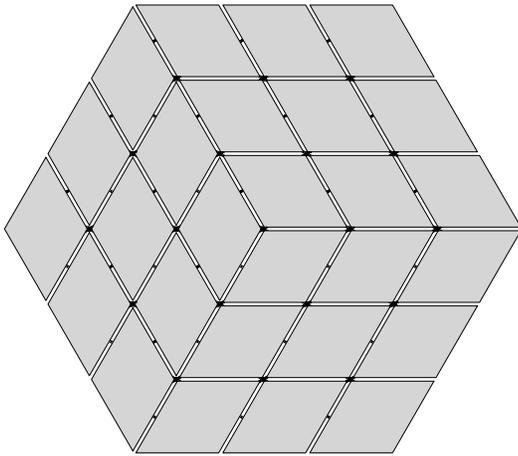
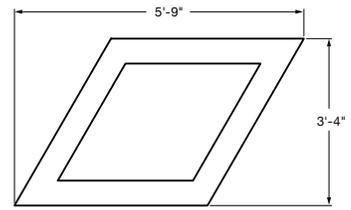
SOUNDSCAPES SHAPES USED IN THIS PATTERN:

60 degree Parallelogram – 27 pcs

5451 Grouping Frame Kit – 8 ctns

GROUPING SIZE: 24'-1" length x 20'-10" width

SPACER FRAME ALIGNMENT: 60 degrees



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### SOUNDSCAPES Shapes – Pattern SSSH 12

SOUNDSCAPES SHAPES USED IN THIS PATTERN:

60 degree Parallelogram – 4 pcs

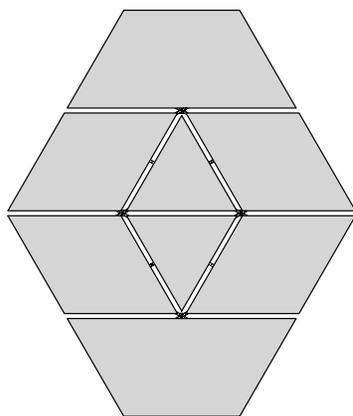
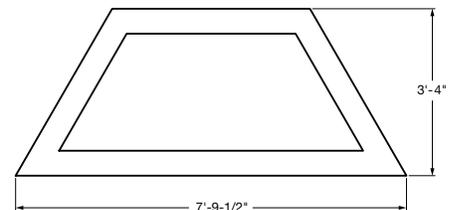
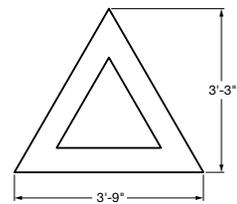
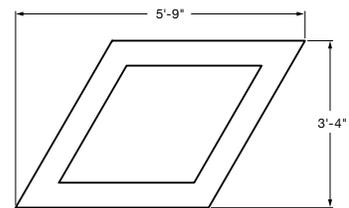
60 degree Triangle – 2 pcs

60 degree Trapezoid – 2 pcs

5451 Grouping Frame Kit – 3 ctns

GROUPING SIZE: 13'-10" length x 11'-10" width

SPACER FRAME ALIGNMENT: 60 degrees



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# SOUNDSCAPES® Shapes

## 60 Degree Panels

### SOUNDSCAPES Shapes – Pattern SSSH 13

SOUNDSCAPES SHAPES USED IN THIS PATTERN:

60 degree Parallelogram – 1 pc

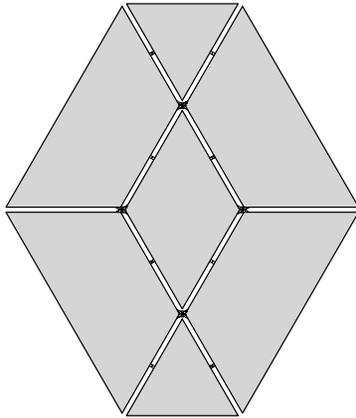
60 degree Triangle – 2 pcs

60 degree Trapezoid – 4 pcs

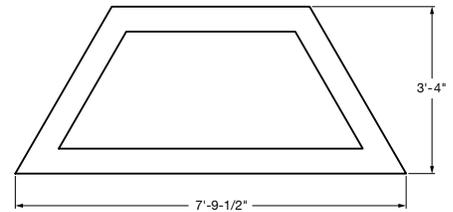
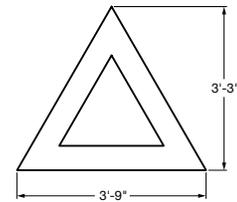
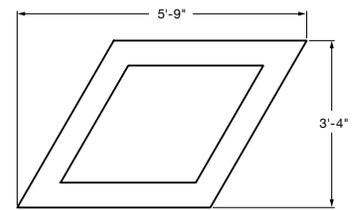
5451 Grouping Frame Kit – 3 ctns

GROUPING SIZE: 13'-10" length x 11'-10" width

SPACER FRAME ALIGNMENT: 60 degrees



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### SOUNDSCAPES Shapes – Pattern SSSH 14

SOUNDSCAPES SHAPES USED IN THIS PATTERN:

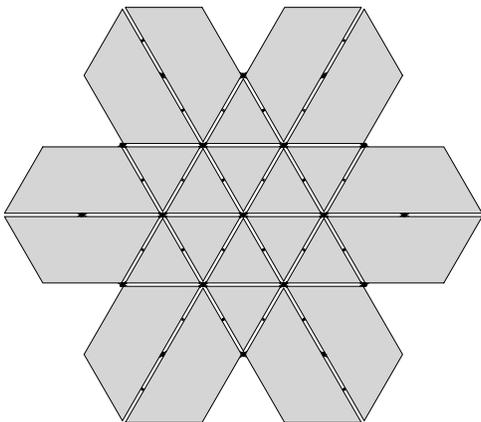
60 degree Triangle – 12 pcs

60 degree Trapezoid – 12 pcs

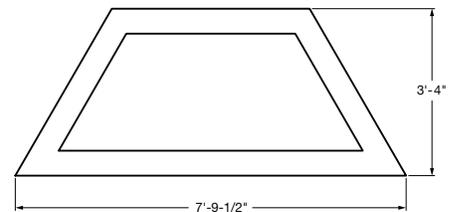
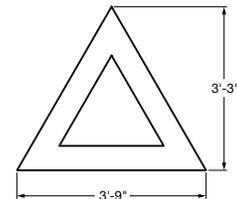
5451 Grouping Frame Kit – 7 ctns

GROUPING SIZE: 24'-0" length x 20'-10" width

SPACER FRAME ALIGNMENT: 60 degrees



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# SOUNDSCAPES® Shapes

## 60 Degree Panels

### SOUNDSCAPES Shapes – Pattern SSSH 15

SOUNDSCAPES SHAPES USED IN THIS PATTERN:

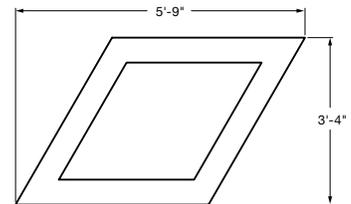
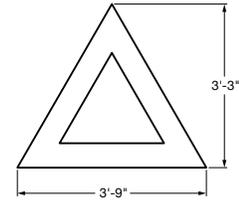
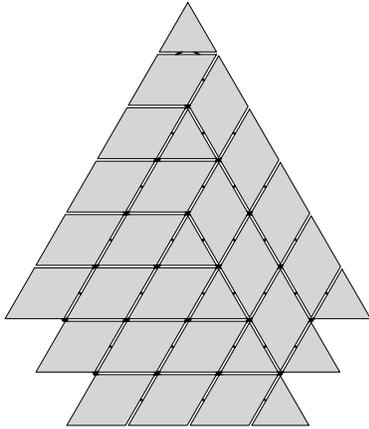
60 degree Triangle – 8 pcs

60 degree Parallelogram – 22 pcs

5451 Grouping Frame Kit – 8 ctns

GROUPING SIZE: 27'-9" length x 24'-0" width

SPACER FRAME ALIGNMENT: 60 degrees



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## 90 Degree Panels

### SOUNDSCAPES Shapes – Pattern SSSH 16

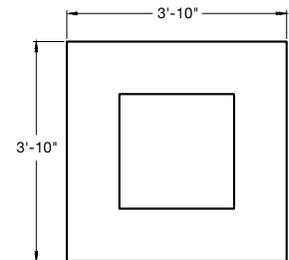
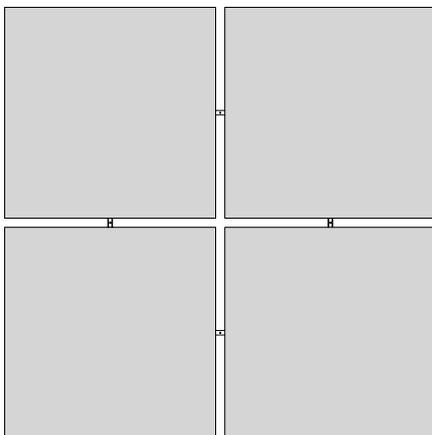
SOUNDSCAPES SHAPES USED IN THIS PATTERN:

90 degree 48" x 48" Square – 4 pcs

5451 Grouping Frame Kit – 1 ctn

GROUPING SIZE: 7'-10" length x 7'-10" width

SPACER FRAME ALIGNMENT: 90 degrees



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# SOUNDSCAPES® Shapes

## 90 Degree Panels

### SOUNDSCAPES Shapes – Pattern SSSH 17

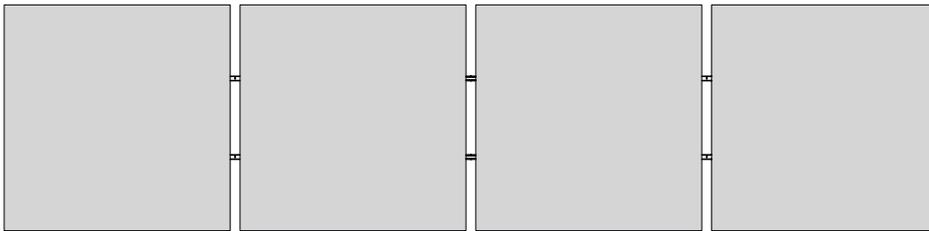
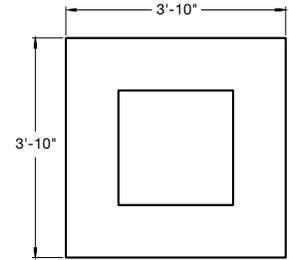
SOUNDSCAPES SHAPES USED IN THIS PATTERN:

90 degree 48" x 48" Square – 4 pcs

5451 Grouping Frame Kit – 1 ctn

GROUPING SIZE: 15'-10" length x 3'-10" width

SPACER FRAME ALIGNMENT: 90 degrees



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### SOUNDSCAPES Shapes – Pattern SSSH 18

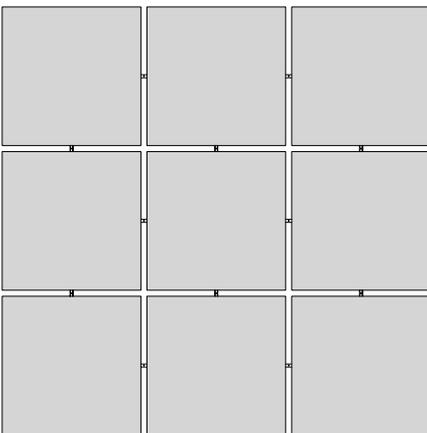
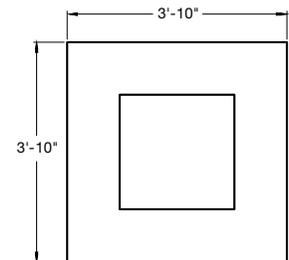
SOUNDSCAPES SHAPES USED IN THIS PATTERN:

90 degree 48" x 48" Square – 9 pcs

5451 Grouping Frame Kit – 2 ctns

GROUPING SIZE: 11'-10" length x 11'-10" width

SPACER FRAME ALIGNMENT: 90 degrees



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# SOUNDSCAPES® Shapes

## 90 Degree Panels

### SOUNDSCAPES Shapes – Pattern SSSH 19

SOUNDSCAPES SHAPES USED IN THIS PATTERN:

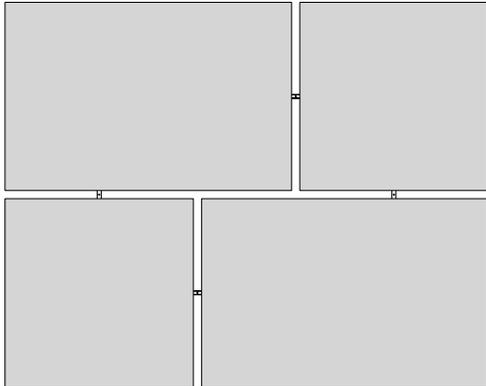
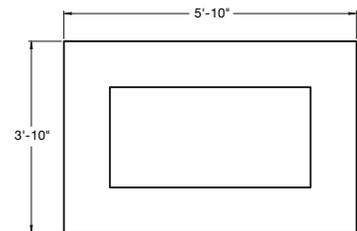
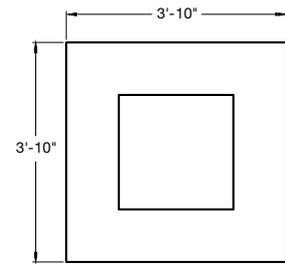
90 degree 48" x 48" Square – 2 pcs

90 degree 48" x 72" Rectangle – 2 pcs

5451 Grouping Frame Kit – 1 ctn

GROUPING SIZE: 9'-10" length x 7'-10" width

SPACER FRAME ALIGNMENT: 90 degrees



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### SOUNDSCAPES Shapes – Pattern SSSH 20

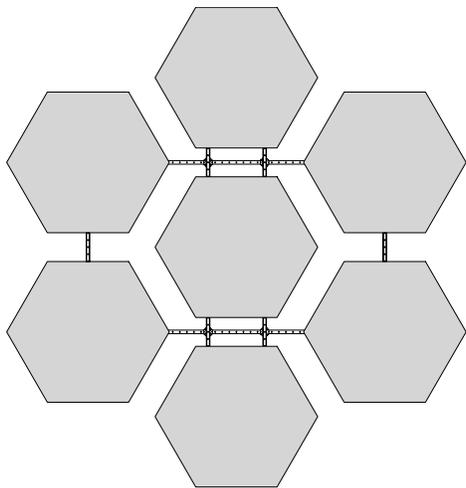
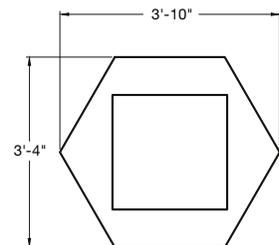
SOUNDSCAPES SHAPES USED IN THIS PATTERN:

90 degree Hexagon – 7 pcs

5451 Grouping Frame Kit – 2 ctns

GROUPING SIZE: 10'-10" length x 11'-4" width

SPACER FRAME ALIGNMENT: 90 degrees



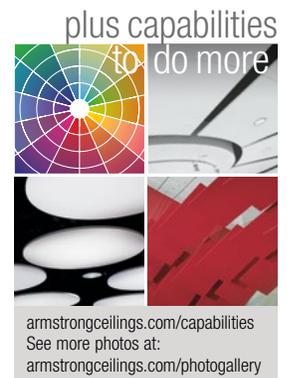
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# SOUNDSCAPES® Shapes

## Acoustical Clouds



SoundScapes® Shapes trapezoid panels in Sky, White, and custom colors

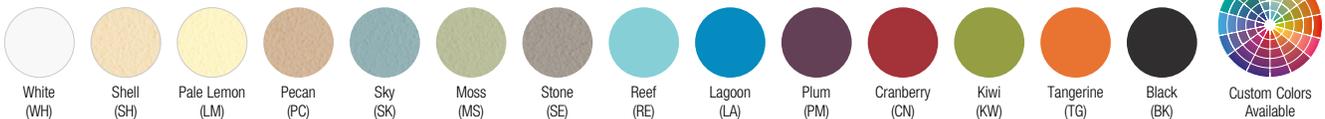


Deliver acoustics in playful installations with angles, layers, shapes, sizes, and colors.

### KEY SELECTION ATTRIBUTES

- new** • Now available in triangle, trapezoid, and parallelogram shapes
- 360° panel finishing capability available
- Aesthetically define spaces with excellent acoustical performance-up to 1.18 Sabins/SF
- High light reflectance for White panels – 0.90
- Quick to install from the deck, drywall, suspension system, or on a wall in adjustable heights and angles
- Grouping Frame Kit provides superior rigidity, perfect alignment, minimizes hanging points, ensures consistent panel spacing, and is engineered for use in DEF Seismic zones
- Adjustable to various heights and angles
- Excellent panel construction and innovative, pre-engineered grouping frames take the thinking and risk out of installation

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

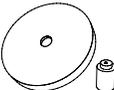
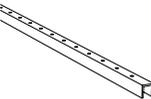
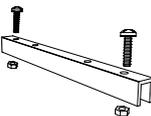
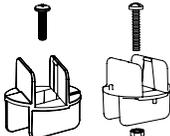
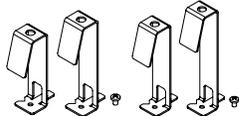
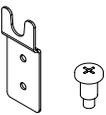
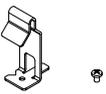




# SOUNDSCAPES® Shapes

## Acoustical Clouds

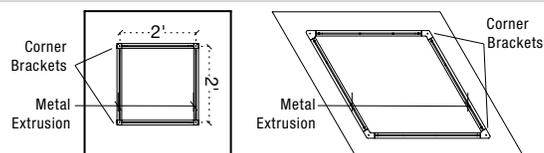
### ACCESSORY KITS Applications always require more than one kit.

Item No. ♦	Description	Kit Contents	
<b>5450</b>	Deck Hanging Kit Allows for suspending individual shapes or grouping frames from deck and bottom end adjustment of height at panel or frame level.	(2) gripper structure anchors (2) gripper structure caps (2) 8' aircraft cables (2) bottom end cable adjusters (2) nuts with washers	
<b>7121</b> <b>5438</b>	Angled Hanging Kit (60° maximum angle) Angled Hanging Kit (10° maximum angle) For use when hanging panels at different angles. Extends from the end of Deck Hanging Kit (5450).	(2) angled hanging cables	
<b>625530</b>	Extended Hanging Cables For use with deck hanging kit when longer cables are needed.	(4) 30' aircraft cables	
<b>7006</b>	Escutcheon Kit Used when hanging panels below an existing ceiling.	(2) collars with setscrews (2) 2" escutcheons	
<b>5451</b> __	Grouping Frames Kit Suspension frames used to group panels together.	(4) suspension frames, 12' long, Black (BL) or White (WH)	
<b>5452</b> __	Frame Splice Kit Connects group suspension frames for longer runs (> 12 feet).	(2) group frame connectors, 10" long, Black (BL) or White (WH) (4) bolts with washers (4) nuts	
<b>5453D060</b>	Frame Alignment Kit – 60 degrees For use with group suspension frames and 60-degree shapes only. Clear finish to coordinate with either black or white suspension frames.	(4) frame alignment spacers, clear plastic (4) bolts (4) nuts with washers	
<b>5453D090</b>	Frame Alignment Kit – 90 degrees For use with group suspension frames and 90-degree shapes only. Clear finish to coordinate with either black or white suspension frames.		
<b>5454</b> __	Panel Hook Kit For use with grouping frames All panels require 1 kit. Item 5449 (Large Rectangle) and item 7101Z01 (60 degree Trapezoid) require two kits.	(2) 4-1/2" high panel hooks, Black (BL) or White (WH) (2) 3-1/2" high panel hooks, Black (BL) or White (WH) (8) bolts	
<b>5629</b> <b>5630</b> <b>5631</b>	Multi-plane Hanging Kits For use when hanging panels at heights below Panel Hook Kit (5454).	<b>5629</b> 1" Drop Hook Kit (2) 4-1/2" hooks (2) 5-1/2" hooks (8) screws <b>5630</b> 2" Drop Hook Kit (2) 5-1/2" hooks (2) 6-1/2" hooks (8) screws <b>5631</b> 3" Drop Hook Kit (2) 6-1/2" hooks (2) 7-1/2" hooks (8) screws	
<b>5455</b>	Drywall Ceiling Hanging Kit For individual panel attachment to drywall.	(2) drywall clip assemblies (2) shoulder bolts	
<b>5588</b>	Wall Hanging Kit For individual panel attachment to a wall.	(4) clip assemblies (4) shoulder bolts	
<b>5632</b>	Grid Hook Kit For hanging individual panels from a standard suspension system.	(4) hooks (8) screws	

NOTE: Accessory kit hardware is attached to panels via the metal extrusion or corner brackets on the back of each panel. The diagram on the right shows the location of extrusions and corner brackets in the back of a nominal 4' x 4' panel. See installation instructions BPLA-297302 for more details.

If you need assistance identifying what and how many accessory kits are needed for your project, please contact TechLine customer support at 1 877 276-7876.

♦ Indicate desired color using two-digit color code when ordering; BL = Black; WH = White



# SOUNDSCAPES® Shapes

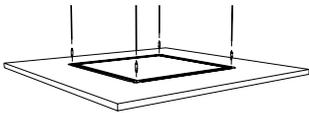
## Acoustical Clouds

### HUNDREDS OF WAYS TO CONFIGURE SOUNDSCAPES® SHAPES PANELS

#### Individual Suspension



Three Items 5443 in White



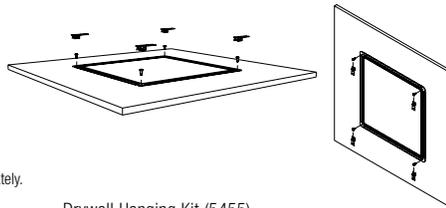
#### ACCESSORY KITS All accessory kits are ordered separately.

Deck Hanging Kit (5450)

#### Individual Attachment to Drywall or Solid Surface



Two Items 5440 and 5448 in Tangerine (upper wall and ceiling)

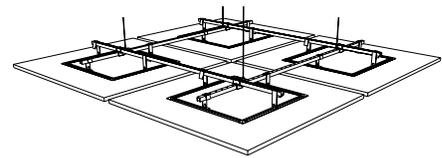


Drywall Hanging Kit (5455)  
Wall Hanging Kit (5588)

#### Group Suspension



Items 5441 and 5442 in White



Deck Hanging Kit (5450)  
Grouping Frames Kit (5451 \_\_ \_\_)  
Frame Alignment Kit (5453D090)  
Panel Hook Kit (545 \_\_ \_\_)

### PHYSICAL DATA

#### Material

7/8" thick fiberglass with DuraBrite® scrim on face and sides or custom 1-3/4" thick fiberglass with DuraBrite scrim on all sides (360° finishing). To order custom panels, contact TechLine at 1 877 276-7876.

#### Surface Finish

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

#### Fire Performance

SoundScapes® Shapes 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 Shapes acoustical clouds, 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.

#### ASTM E1264 Classification

Type XII, Form 2, Pattern E

#### High Recycled Content

Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

#### Acoustical Performance

Standard Shapes – 1.18 Sabins/SF; 360° Finished Shapes – 1.47 Sabins/SF; color shapes have slightly reduced acoustical performance.

#### Design Considerations

SoundScapes Shapes acoustical clouds maintain a natural sag that may be noticeable when installed 6" or less apart. Deflection up to 1/8" has been documented in some cases. SoundScapes Shapes available with 360° finishing for use in areas where panel back is exposed (can only be installed with included individual suspension).

Special care in installation and handling must be taken with color shapes to avoid surface damage to the paint finish. Custom colors are available.

Custom shapes are available by providing a custom shape drawing within guidelines and sending to TechLine. Call 1 877 276-7876 for assistance.

#### 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.

#### Suspension Systems

SoundScapes Shapes acoustical clouds are pre-assembled with metal extrusions in the back of the panels. Standard accessory kits facilitate quick and easy installation from the deck, through a ceiling, or directly attached to drywall. See Installation Instructions BPLA-297302 for installation details.

#### Warranty

Details at [armstrongceilings.com](http://armstrongceilings.com)

#### Panel Weight

90-Degree Shapes: 0.63 lbs/SF  
7101P01: 11.1 lbs/pc  
7101T01: 5.6 lbs/pc  
7101Z01: 16.4 lbs/pc

# 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](mailto:techline@armstrongceilings.com)

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### 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

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[armstrongceilings.com/soundscapesshapes](http://armstrongceilings.com/soundscapesshapes)

On the cover: ►  
SoundScapes Shapes – 60 degree Shapes  
with 1" Lighting Integration

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