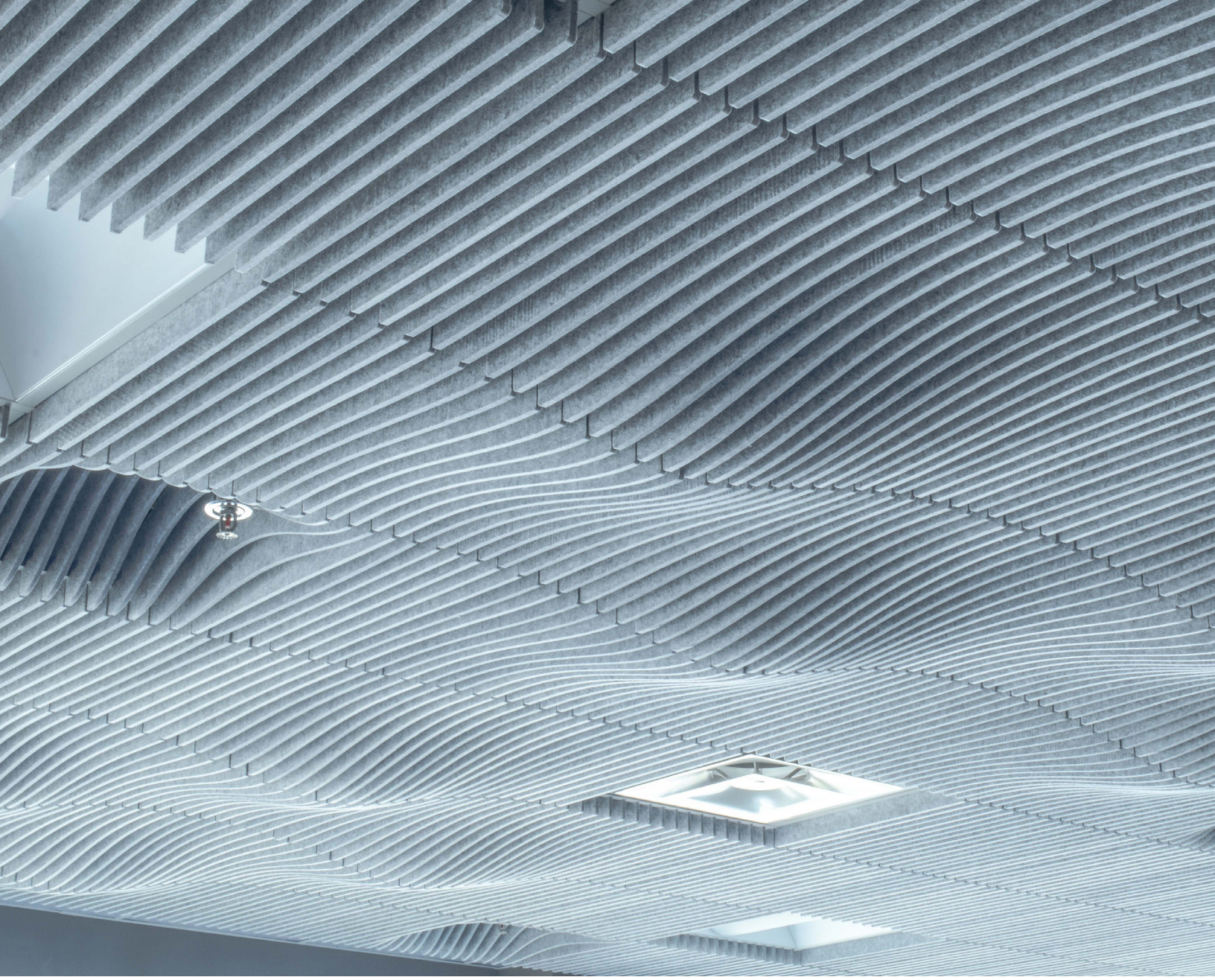

Swell
by
TURF



Swell

SCULPTURAL & TRANSFORMATIVE

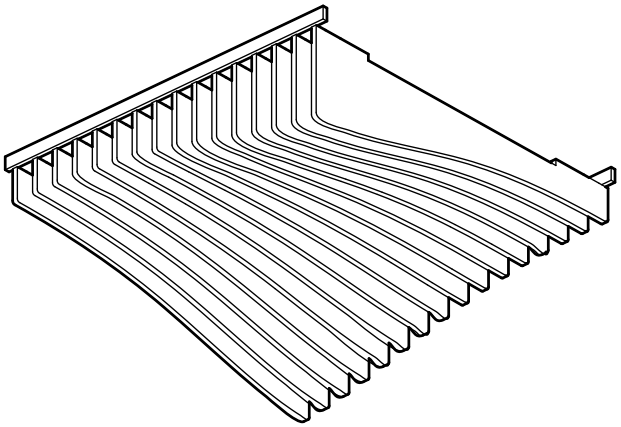
The Swell Ceiling System is a drop ceiling product series that transforms office interiors through both cutting edge aesthetics and acoustical performance. Made from our 60% recycled PET felt, the five modular tiles can be rotated and configured in multiple orientations to create endlessly customizable ceiling sculptures.

Tile A

1

PERSPECTIVE

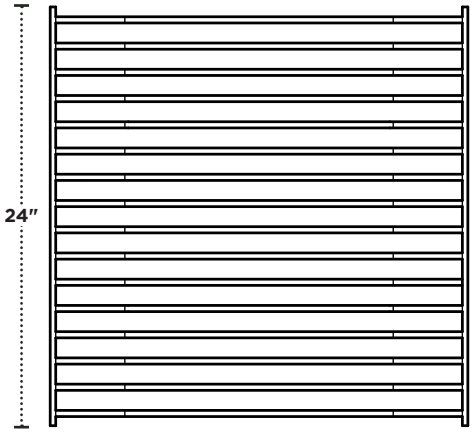
Tile A is designed with an undulation on opposing corners, enabling the tile to be mirrored and repeated to create endless waves.

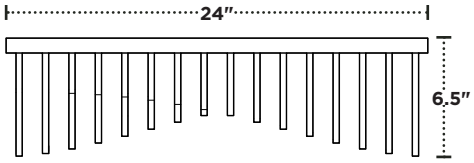


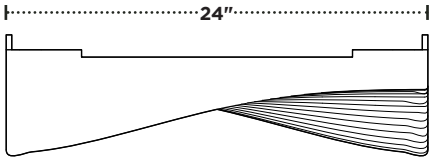
2

PLAN VIEW

The vertically oriented material allows for over **70% openness**, the international building standard for sprinkler penetration. This allows for a ceiling canopy to be installed below existing sprinkler systems (subject to local building codes).







3

SIDE ELEVATION

Dropping a **maximum of 6.5″ below the ceiling grid height** allows Swell to transform a space without obstructing clearance heights of standard offices.

4

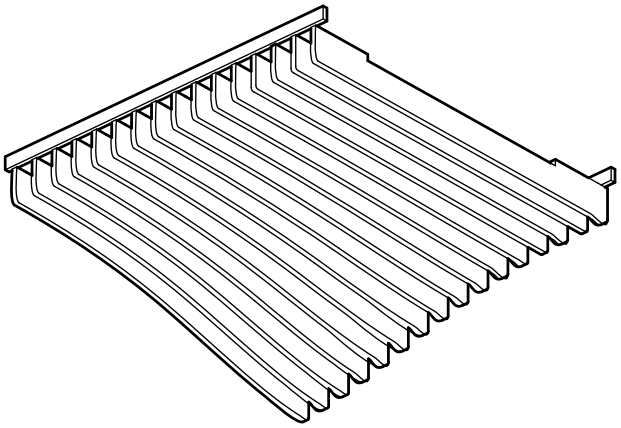
FRONT ELEVATION

The notches on the edges of each slat assembly easily receives a variety of drop ceiling grid profiles.

Tile B

1

PERSPECTIVE
Tile B is designed with an undulation in one corner and transitions to a flat corner, enabling the tile to flow into Tile A, C, and both D's.



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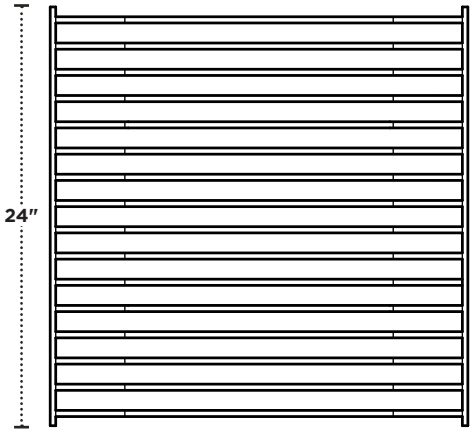

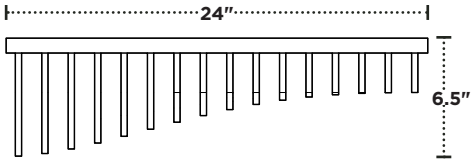

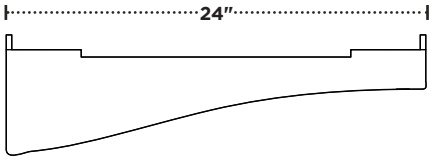

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FRONT ELEVATION
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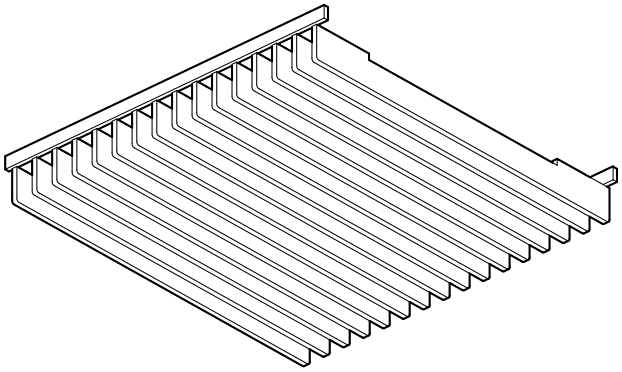
Tile C

1

PERSPECTIVE
Tile C is a flat tile configuration that flows into Tile B and Tile DB



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PLAN VIEW
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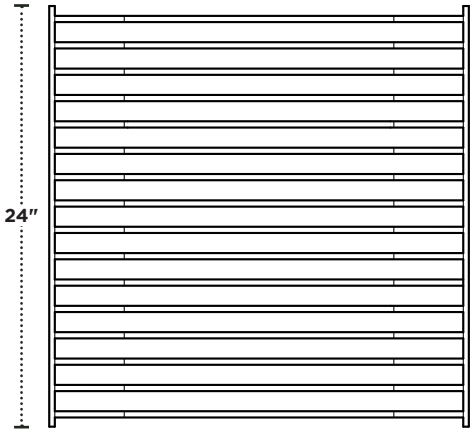

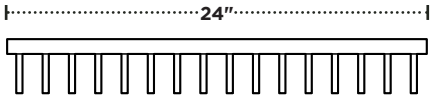

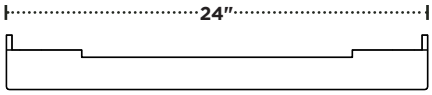

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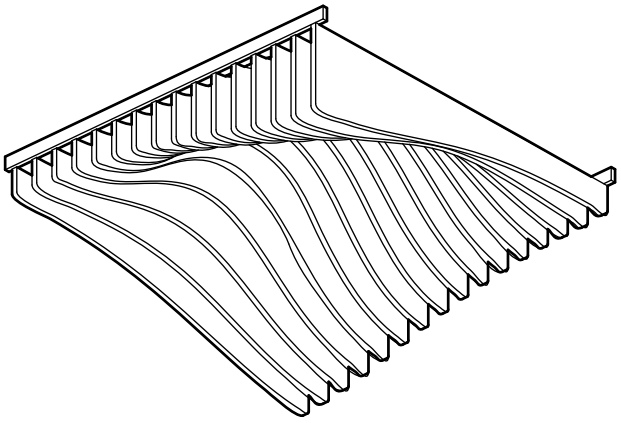
FRONT ELEVATION
The notches on the edges of each slat assembly easily receives a variety of drop ceiling grid profiles.

Tile DA

1

PERSPECTIVE

Tile DA is designed to flow in and out of tile A and Tile B. It is designed to rise over the grid to avoid existing grid level sprinklers and lighting elements.



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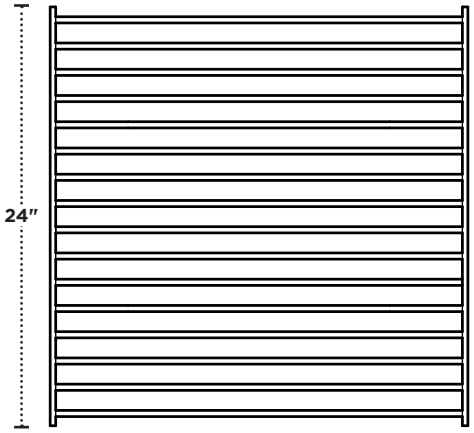

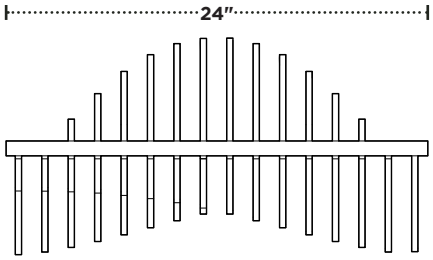

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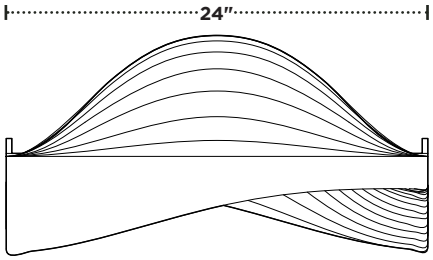


4

FRONT ELEVATION

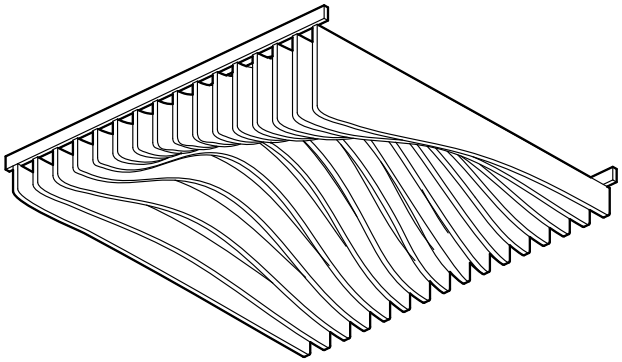
The notches on the edges of each slat assembly easily receives a variety of drop ceiling grid profiles.

Tile DB

1

PERSPECTIVE

Tile DB is designed to flow in and out of tile A, tile B, and tile C. It is designed to rise over the grid to avoid existing grid level sprinklers and lighting elements.



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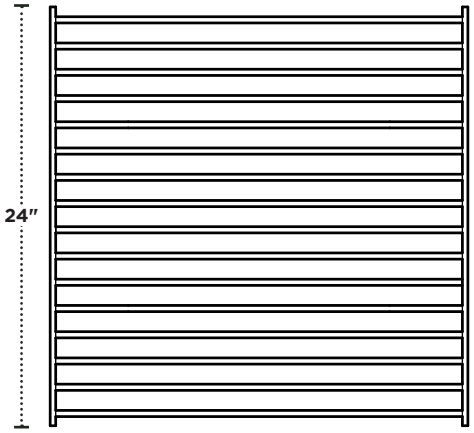

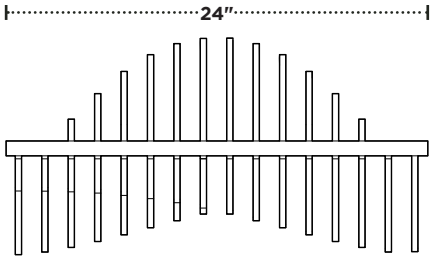

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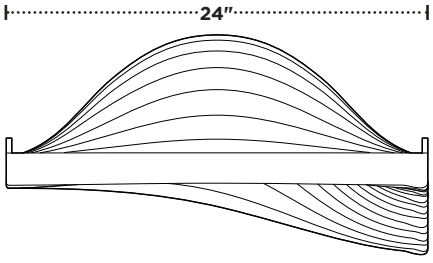
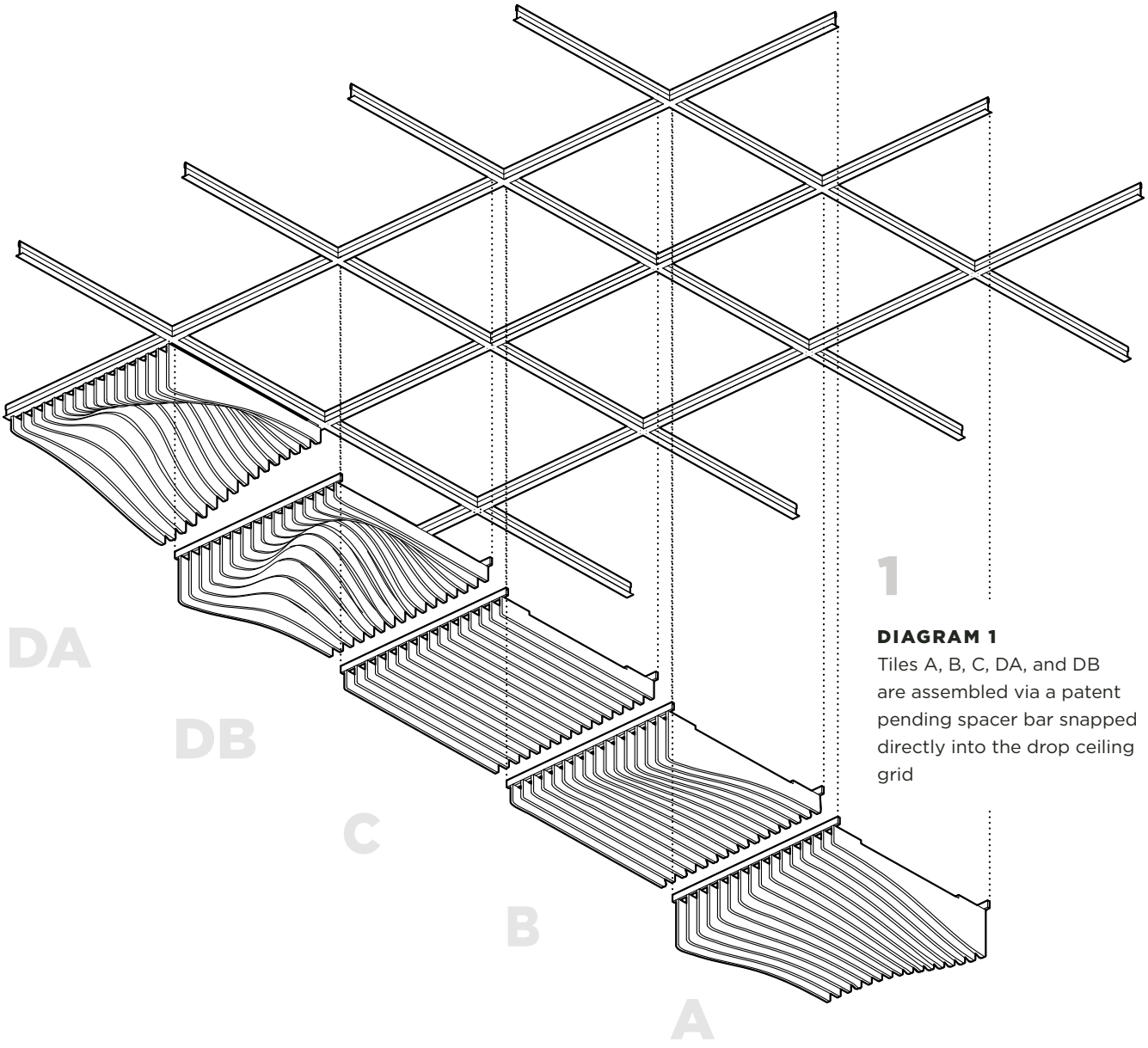


4

FRONT ELEVATION

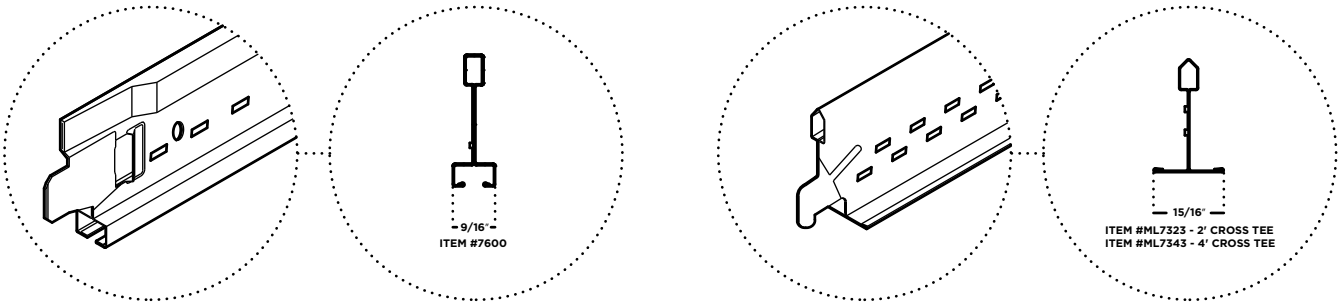
The notches on the edges of each slat assembly easily receives a variety of drop ceiling grid profiles.

Assembly



1

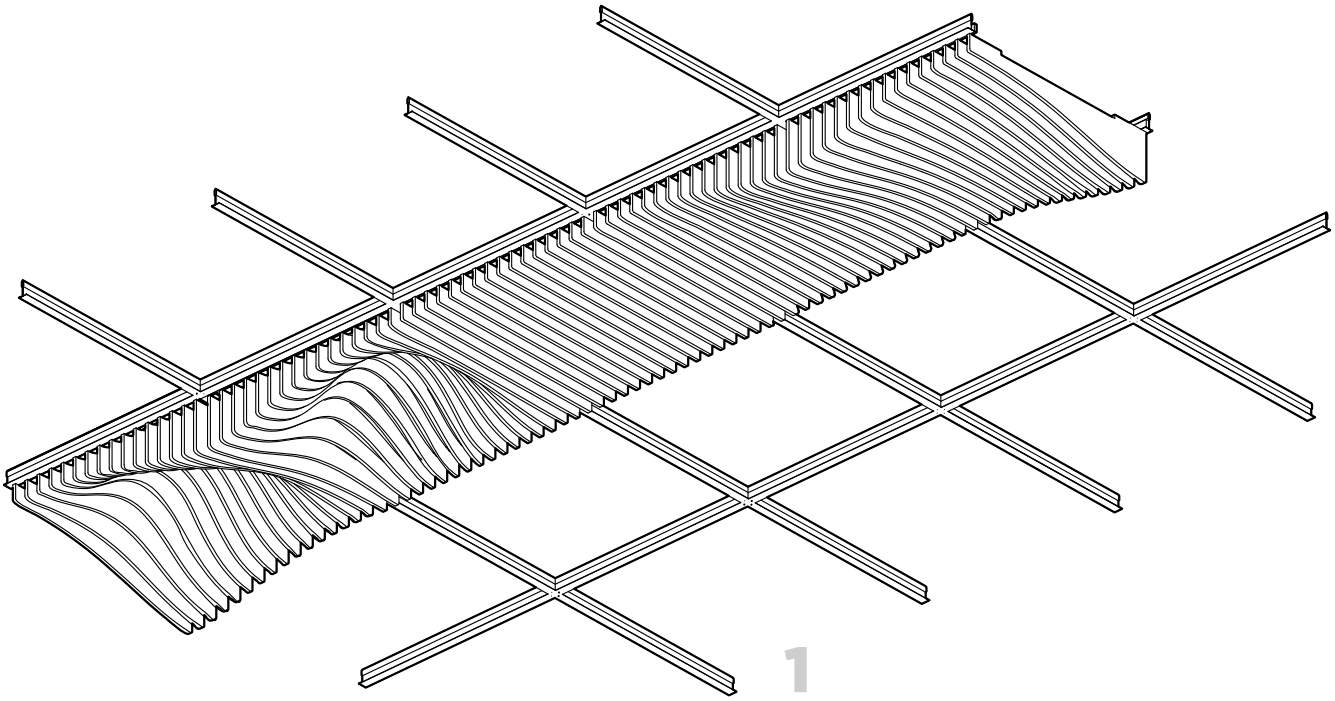
DIAGRAM 1
Tiles A, B, C, DA, and DB are assembled via a patent pending spacer bar snapped directly into the drop ceiling grid



2

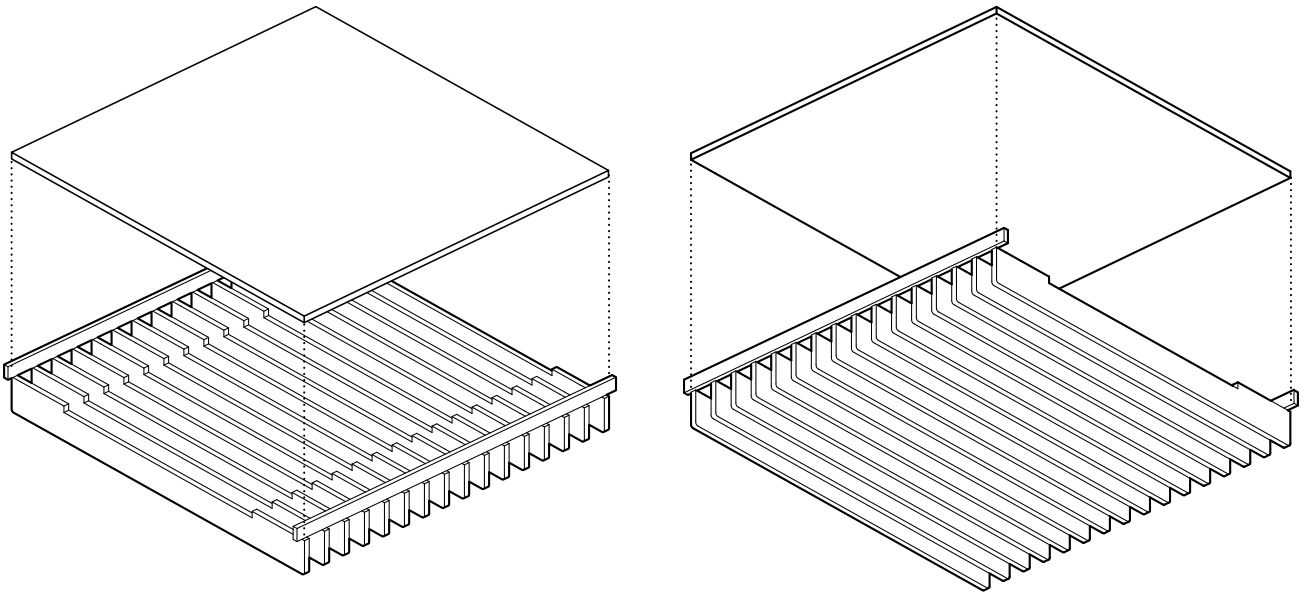
TEE GRID OPTIONS
The Swell Ceiling Tile system snaps into both 9/16" and 15/16" standard tee grid drop ceiling grids.

Assembly



1

DIAGRAM 2
The five tiles are designed to flow into the adjacent tile in order to create a seamless pattern. Tile A flows into Tile B which flows into Tile C, Tile DB, and Tile DA then which flows back into Tile A.



2

OPTIONAL TILE CAP
Swell Tiles also comes in a capped option for an even more effective solution.

Specifications

PRODUCT NAME	Swell Tile
CONTENT	Up to 60% Pre-Consumer Recycled Content Polyester Felt
FELT THICKNESS	9mm
PANEL THICKNESS	Varies
SMALLEST SIZE	21.625” x 21.625”
MAXIMUM SIZE	21.625” x 21.625”
EDGE OPTIONS	Exposed Felt
COMPONENTS	UNISTRUT P1000T Standard, nylon panel clip, universal steel Tee Grid, 1/16th inch Aircraft Cable. (supplied by installer)
DURABILITY	Contract
MAINTENANCE	Vacuum occasionally to remove any particulate matter and air-borne debris or dust. Compressed air can be used to dust the material in difficult to reach areas for large assemblies.
LEAD TIME	Shipped in 4 weeks.
ENVIRONMENTAL	9mm PET felt board is made from up to 99% recycled polyester plastic, over 50% of which come from recycled water bottles. TURF has a Declare Label for this product. TURF is pursuing product transparency for LEED V4 MR Credit 4 Option 1, and MR Credit 3 Option 2 for recycled content.
VARIATION	PET Felt uses a traditional ‘felting’ process to create its panels. This often results in a pleasing heathered effect, where multiple tones are present in the fiber. Slight and consistent variations in color should be expected when using this sustainable material.
ACOUSTICS	ASTM C423-17: NRC = 0.75 (Material)
VOC	ASTM D 5116 Compliant
FIRE RATING	Product made from Class A PET felt material tested under ASTM E-84.

9MM FELT

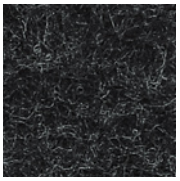
TURF's Swell ceiling tile is made with 9mm PET felt board.

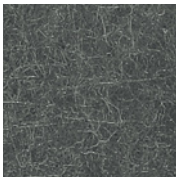
The process used to create PET felt often results in a heathered effect where multiple tones are present. Slight variations in color should be expected when using this sustainable material.

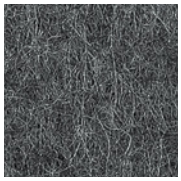
Felt thickness is 9mm +/- 0.5 mm.

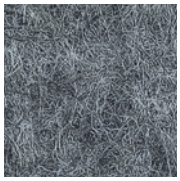
Monitors and printers vary. Please request a material sample to verify felt colors.


07 BLACK


06 CHARCOAL

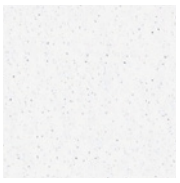

38 MATTE GREY


86 SLATE

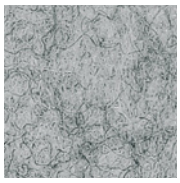

98 STORM


01 CREAM

50 IVORY


05 WHITE


66 PEWTER

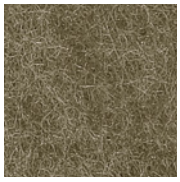

04 LIGHT GREY


78 WHEAT


82 BARLEY


54 LATTE


48 LIGHT BROWN


32 BROWN


94 CORAL

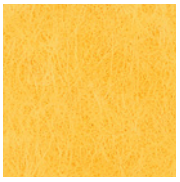

42 ORANGE


16 RED


58 RASPBERRY


39 LAVENDER

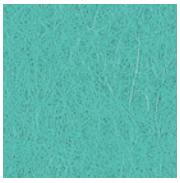

20 MANGO

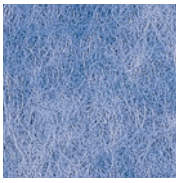

62 SUNFLOWER

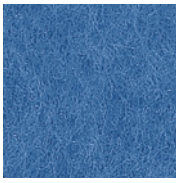
45 YELLOW

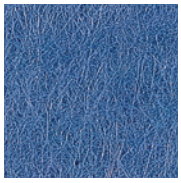

47 LIME

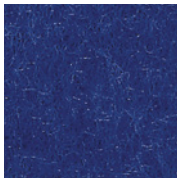

14 GREEN


70 AQUA


90 SKY

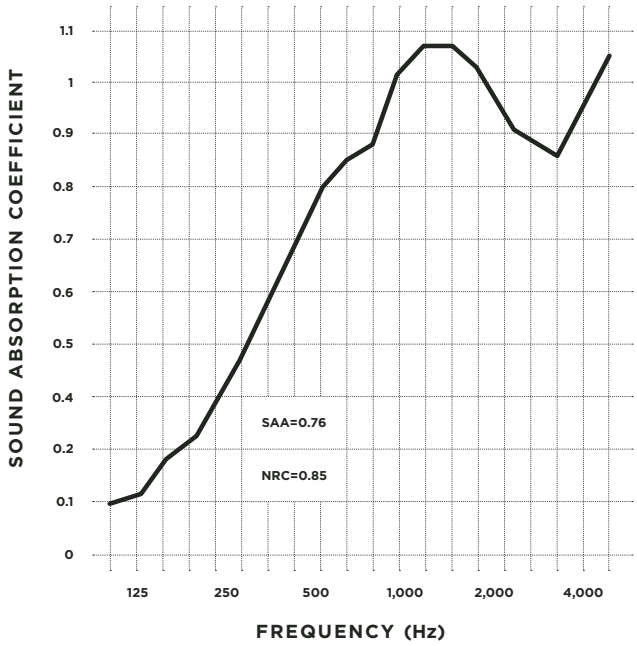

25 LIGHT BLUE


74 DENIM


29 DARK BLUE

Acoustic Testing (ASTM C 423-17)

FREQUENCY (Hz)	SOUND ABSORPTION COEFFICIENT
32	.03
40	.-01
50	-.02
63	-.07
80	.06
100	.09
125	.12
160	.20
200	.24
250	.33
315	.45
400	.59
500	.76
630	.85
800	.89
1,000	1.00
1,250	1.06
1,600	1.06
2,000	.99
2,500	.89
3,150	.83
4,000	.94
5,000	1.04
6,300	1.00
8,000	1.05
10,000	1.07
12,500	1.07



TEST ARRANGEMENT

PET Acoustic panel =400mm air layer.

TEST DISCLAIMER

NRC test reflects material testing. Specific product testing for Swell Tile coming soon.

Declare.

TURF 9mm PET Acoustic Panel
Turf Design

Final Assembly: Elgin, Illinois, USA
Life Expectancy: 50 Years
End of Life Options: Salvageable/Reusable in its Entirety, Recyclable (100%)

Ingredients:

Polyethylene Terephthalate: PET; Antioxidant 1076: Benzenamine, 4-(1-Methyl-1-Phenylethyl) -N-[4-(1-Methyl-1-Phenylethyl)Phenyl]-, Benzenepropanoic Acid, 3,5-Bis(1,1-Dimethylethyl)-4-Hydroxy-, Octadecyl Ester, Octadecanamide, N,N'-1,2-Ethanediylbis-, Stearic Acid, Titanium Dioxide

Living Building Challenge Criteria:

TFD-0002
VOC Content: N/A
Declaration Status

EXP 01 DEC 2020
VOC Emissions: CDPH Compliant
■ LBC Red List Free
☐ LBC Compliant
☐ Declared

MANUFACTURER RESPONSIBLE FOR LABEL ACCURACY
INTERNATIONAL **LIVING FUTURE** INSTITUTE℠ declareproducts.com