Ceiling & Wall Scape

Barcode

Sound scanner

The barcode goes three dimensional. Create simple or intricate patterns that span from ceiling to wall. Scan for noise, only letting good sounds swipe through.

Image by Dart Frog Creative

TURF

How To Specify

Key Information

Barcode can adapt to your space in a variety of ways. Consider these questions as you design your layout. Follow steps 1 - 7 if your project requires shop drawings.

Fast Track

Barcode is available as a Fast Track product which allows our standard lead time for shop drawings to be eliminated, moving the project directly into production.

Fast Track Notes

Installation and seaming drawings are not included in this process. Turf recommends 10-15% additional panels to cover overage / attic stock.

Capped Blades & Torsion Spring

Capped blades and Torsion Spring connection are available upon request, and are not available as an option for Fast Track. See details on the following page for more information.
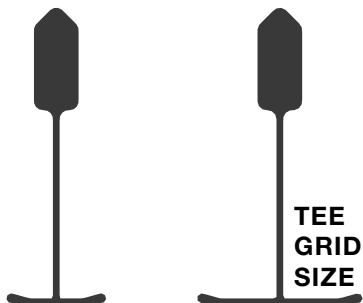
1

SPACE SIZE
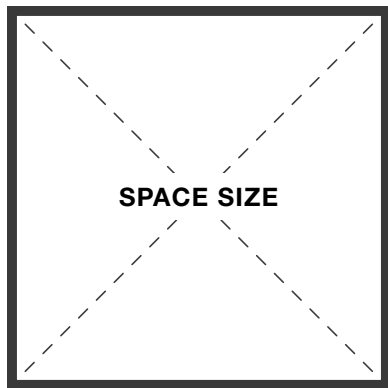
What are the dimensions of the space?

2

CEILING, WALLS OR BOTH

Do you need ceiling panels, wall panels, or both?
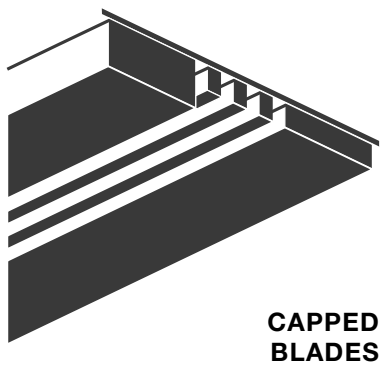
PAGE 3

3

TEE GRID SIZE

Are you using 9/16" or 15/16" flat tee grid in the ceiling?
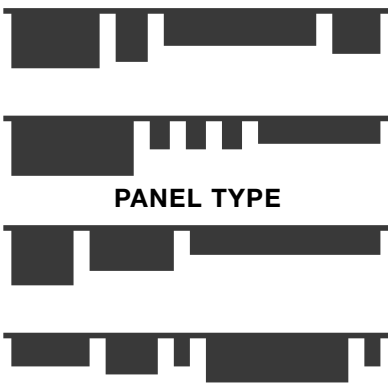
PAGE 3

4

CAPPED BLADES

Will any panels at the edge of your ceiling have visible edges?

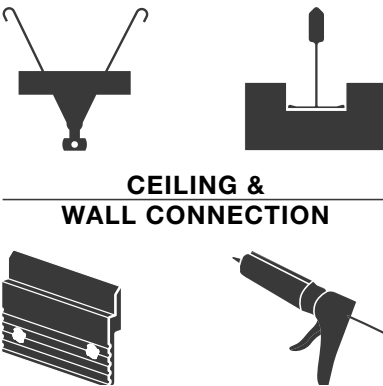*Capped Blades are not available to Fast Track

PAGE 3

5

PANEL TYPE

Which panel type do you need? Looking for something custom?

PAGE 4 / 10

6

CEILING & WALL CONNECTION

How will Barcode panels mount to the ceiling or wall?

*Torsion Spring connection is not available to Fast Track

PAGE 4-5

7

COLOR

What is the color of the blade? (Primary) What is the color of the backer? (Secondary)

PAGE 15-18

FAST TRACK

1. Do you need ceiling panels, wall panels, or both?
2. If ceiling panels, what is the size of tee grid?
3. If wall panels, are you using z-clips or construction adhesive by others?
4. If wall panels, will they be put up vertically or horizontally?
5. Which panel type do you need?
6. What is the color of the blades & backer?
7. How many panels do you need?
8. Do you want to include any additional product for overage or attic stock?

Dimensions

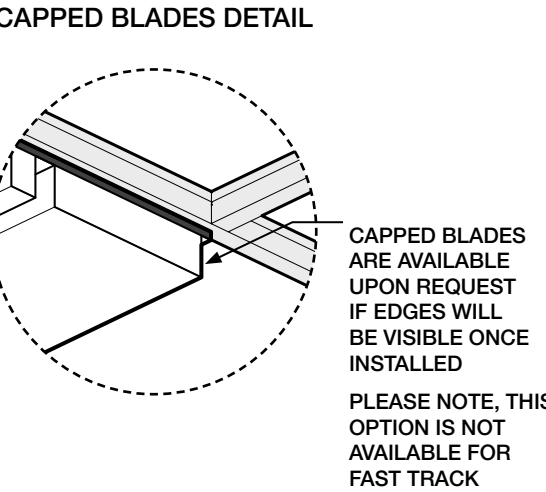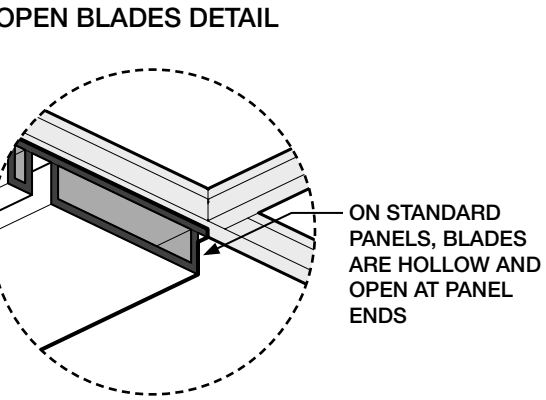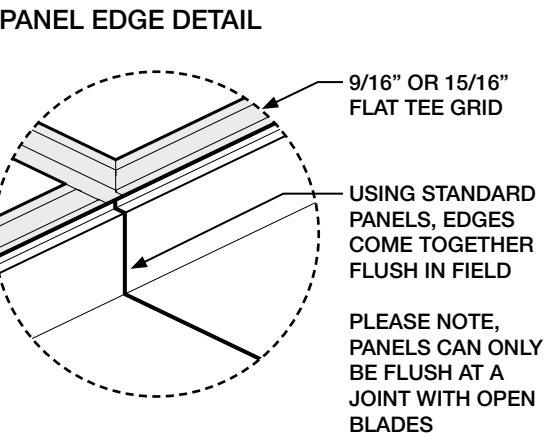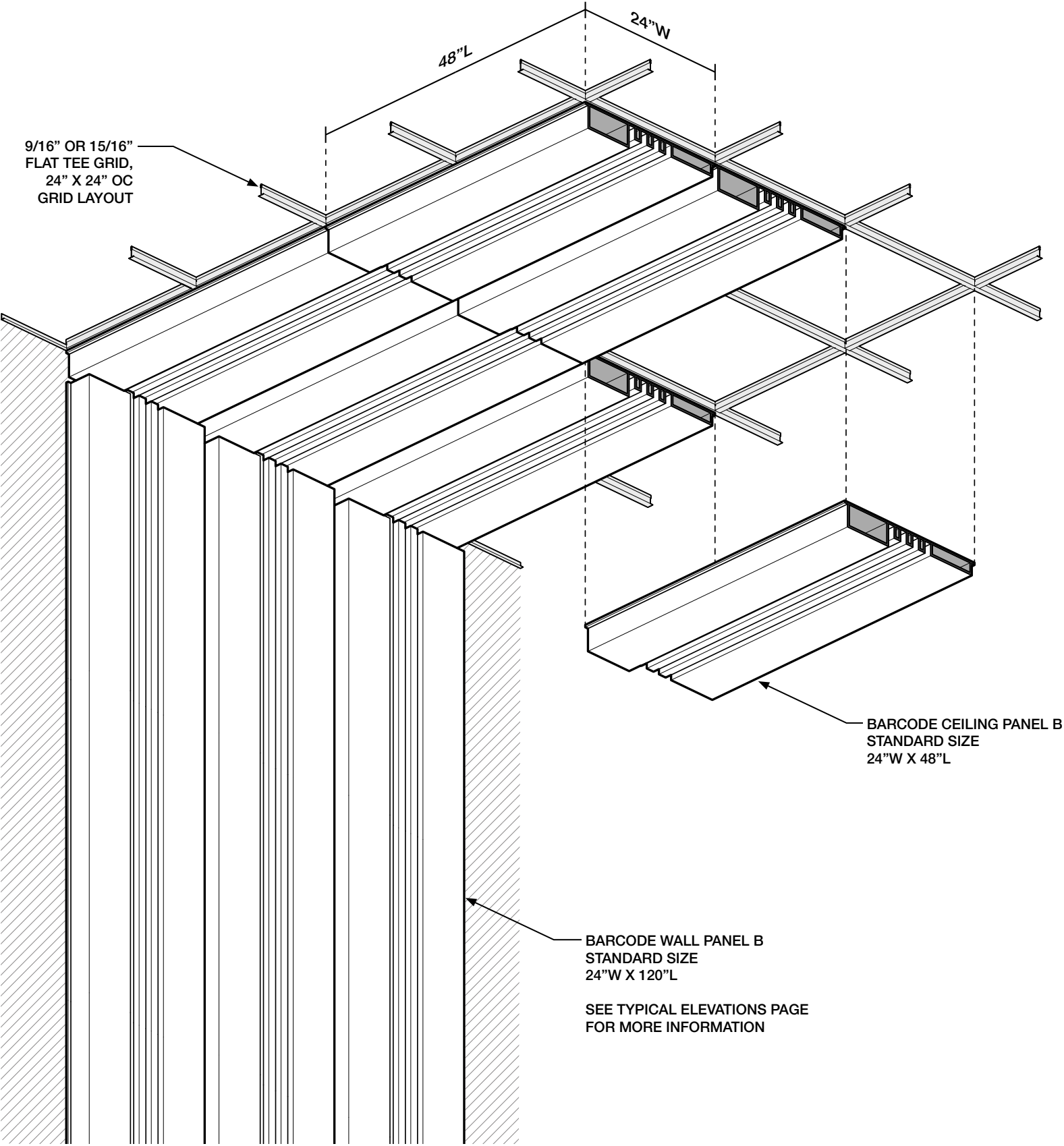|	
Standard Ceiling Panel	24"W x 48"L
Standard Wall Panel	24"W x 120"L
Panel Types	A, B, C, D
	See our Panel Types & Connections page for more information.

Ceiling Connection Options

9/16" or 15/16" Tee Grid	GridLock Torsion Spring

Wall Connection Options

Standard Connection	Z-Clip
Connection By Others	Construction adhesive
	Panels should be installed with construction grade adhesive specified by the contractor.

General

Capped Blades	Panels with a visible edge are available with capped blades upon request.
9mm Palette	Barcode can be specified in any of our 9mm felt colors or textures.
Color Match	Have another color in mind? Our UV printing process can match almost any hue.

48"L

24"W

9/16" OR 15/16" FLAT TEE GRID, 24" X 24" OC GRID LAYOUT

BARCODE CEILING PANEL B STANDARD SIZE 24"W X 48"L

BARCODE WALL PANEL B STANDARD SIZE 24"W X 120"L

SEE TYPICAL ELEVATIONS PAGE FOR MORE INFORMATION

PANEL EDGE DETAIL

9/16" OR 15/16" FLAT TEE GRID

USING STANDARD PANELS, EDGES COME TOGETHER FLUSH IN FIELD

PLEASE NOTE, PANELS CAN ONLY BE FLUSH AT A JOINT WITH OPEN BLADES

OPEN BLADES DETAIL

ON STANDARD PANELS, BLADES ARE HOLLOW AND OPEN AT PANEL ENDS

CAPPED BLADES DETAIL

CAPPED BLADES ARE AVAILABLE UPON REQUEST IF EDGES WILL BE VISIBLE ONCE INSTALLED

PLEASE NOTE, THIS OPTION IS NOT AVAILABLE FOR FAST TRACK

ALL DIMENSIONS NOMINAL UNLESS NOTED OTHERWISE

Panel Types & Connections

Standard Panels

Barcode comes in four standard panel types which can be used to create a variety of unique layouts.

See Typical Layouts & Panel Elevations pages for more information.

Blade Spacing

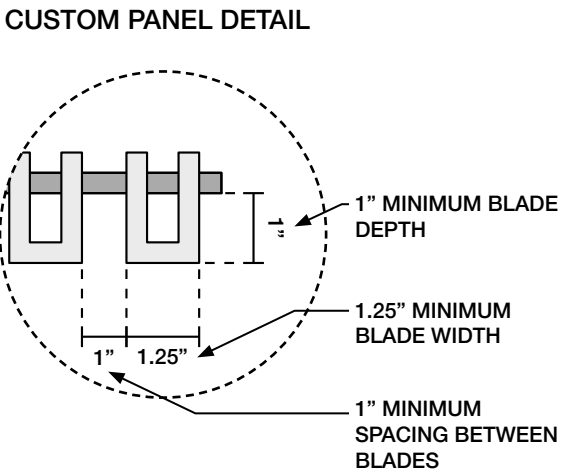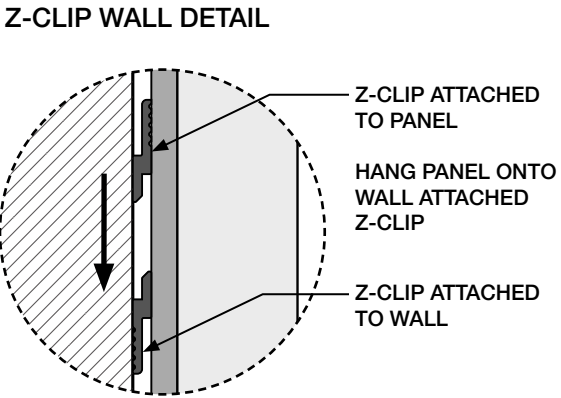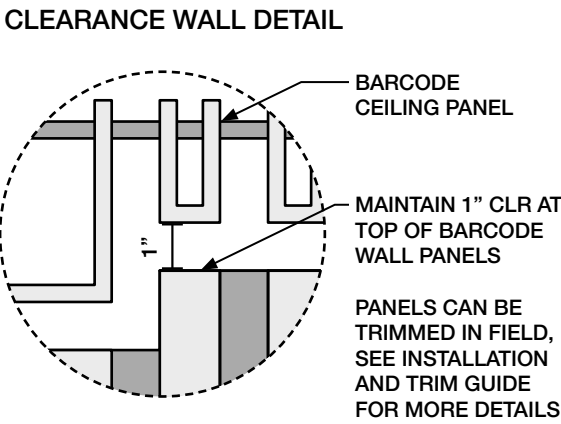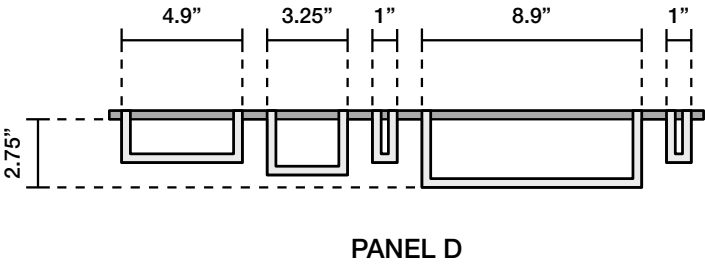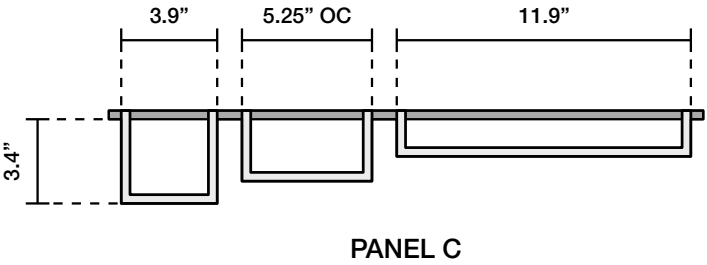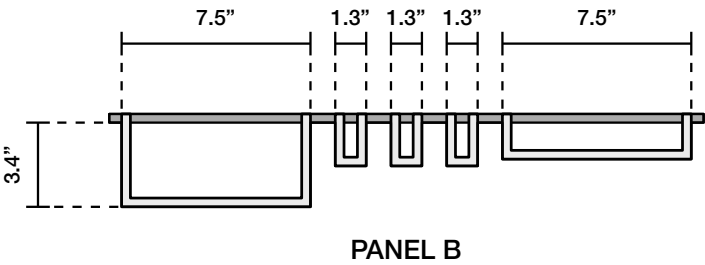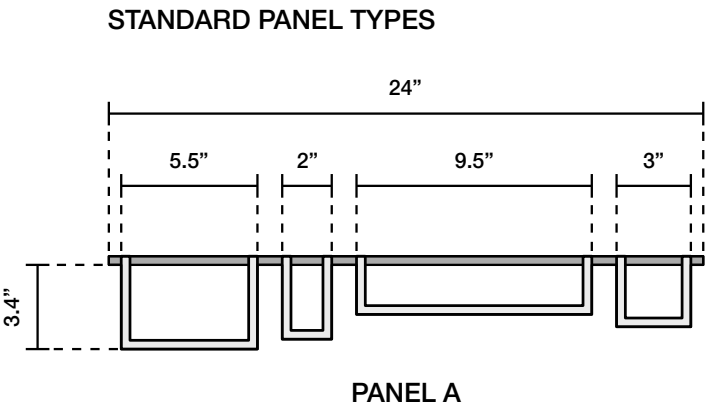All blades have a 1" gap between their adjacent blade.

Product Coordination

All panel types work well with select lighting partners. See the Lighting Integration page for more information.

Customization

Barcode Panels

Looking for something beyond our standard panels? See the "Custom Panel Detail" to get started, and reach out to the Turf team for help with your project.

STANDARD PANEL TYPES

24"

5.5" 2" 9.5" 3"

3.4"

PANEL A

7.5" 1.3" 1.3" 1.3" 7.5"

3.4"

PANEL B

3.9" 5.25" OC 11.9"

3.4"

PANEL C

4.9" 3.25" 1" 8.9" 1"

2.75"

PANEL D

CLEARANCE WALL DETAIL

BARCODE CEILING PANEL

MAINTAIN 1" CLR AT TOP OF BARCODE WALL PANELS

1"

PANELS CAN BE TRIMMED IN FIELD, SEE INSTALLATION AND TRIM GUIDE FOR MORE DETAILS

Z-CLIP WALL DETAIL

Z-CLIP ATTACHED TO PANEL

HANG PANEL ONTO WALL ATTACHED Z-CLIP

Z-CLIP ATTACHED TO WALL

CUSTOM PANEL DETAIL

1" MINIMUM BLADE DEPTH

1.25" MINIMUM BLADE WIDTH

1" 1.25"

1" MINIMUM SPACING BETWEEN BLADES

ALL DIMENSIONS NOMINAL UNLESS NOTED OTHERWISE

Ceiling Connections

GridLock

The GridLock attachment flexes to grasp the tee grid.

9/16" or 15/16" flat tee grid, is required.

Torsion Spring

Torsion Springs are attached to Barcode panels by Turf and require mounting saddles to be installed in field.

9/16" or 15/16" flat tee grid is required. Please ensure cross tees are the same depth as mains to work with Torsion Spring saddle depth.
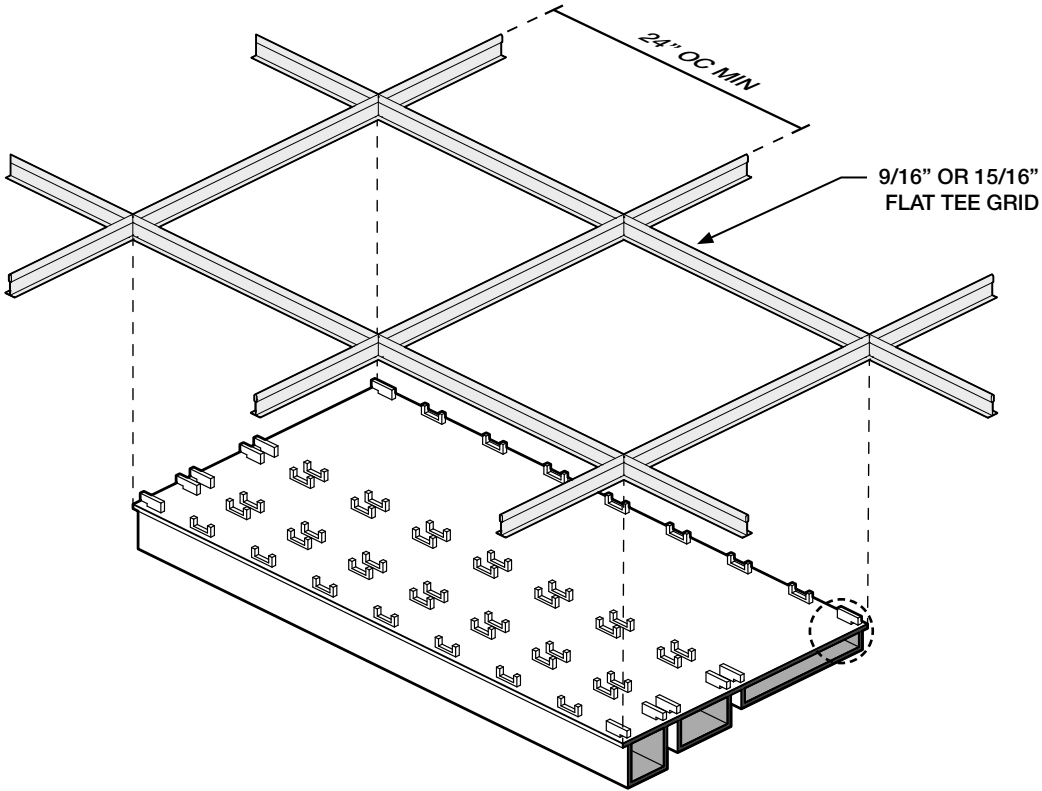
Access Panels & Mechanical

Repeated installation or deinstallation of GridLock can damage or degrade the connection overtime.

In spots that might require moving panels more than usual, such as access panels or other ceiling equipment above, Turf recommends using our Torsion Spring connection.

Connection Coordination

Both connection options can coordinate together in the same layout.
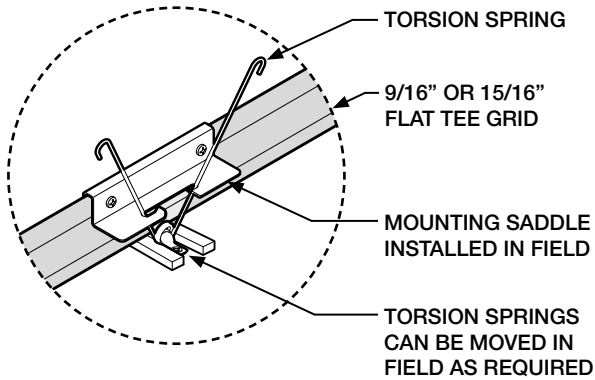
GRIDLOCK

24" OC MIN

9/16" OR 15/16" FLAT TEE GRID

TORSION SPRING

24" OC MIN

9/16" OR 15/16" FLAT TEE GRID

MOUNTING SADDLE INSTALLED IN FIELD

TORSION SPRINGS

GRIDLOCK CEILING DETAIL

9/16" OR 15/16" FLAT TEE GRID

GRIDLOCK

0.35"

SECONDARY COLOR 9MM BACK PANEL

0.35"

PRIMARY COLOR 9MM BLADES

TORSION SPRING DETAIL

TORSION SPRING

9/16" OR 15/16" FLAT TEE GRID

MOUNTING SADDLE INSTALLED IN FIELD

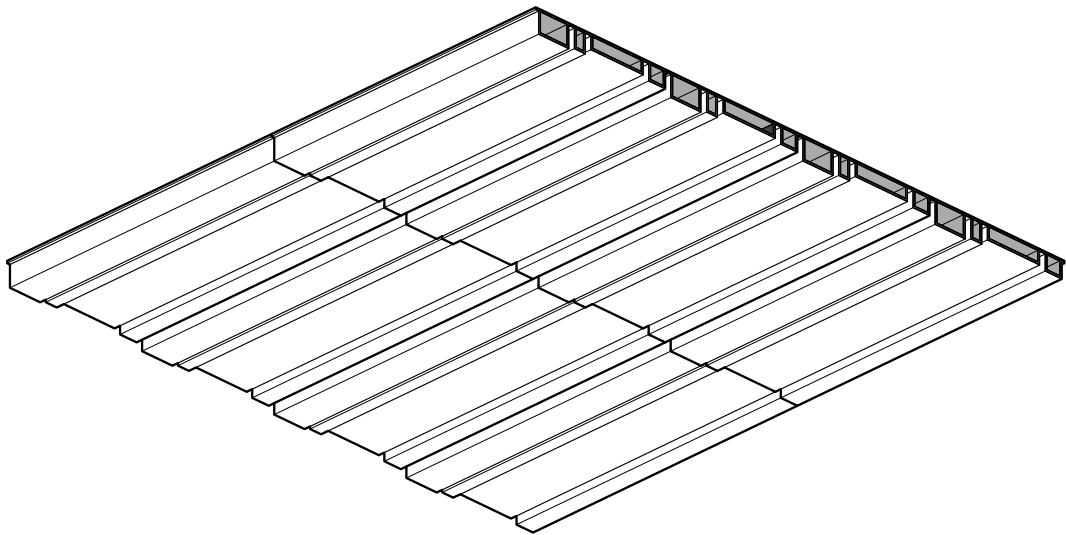TORSION SPRINGS CAN BE MOVED IN FIELD AS REQUIRED
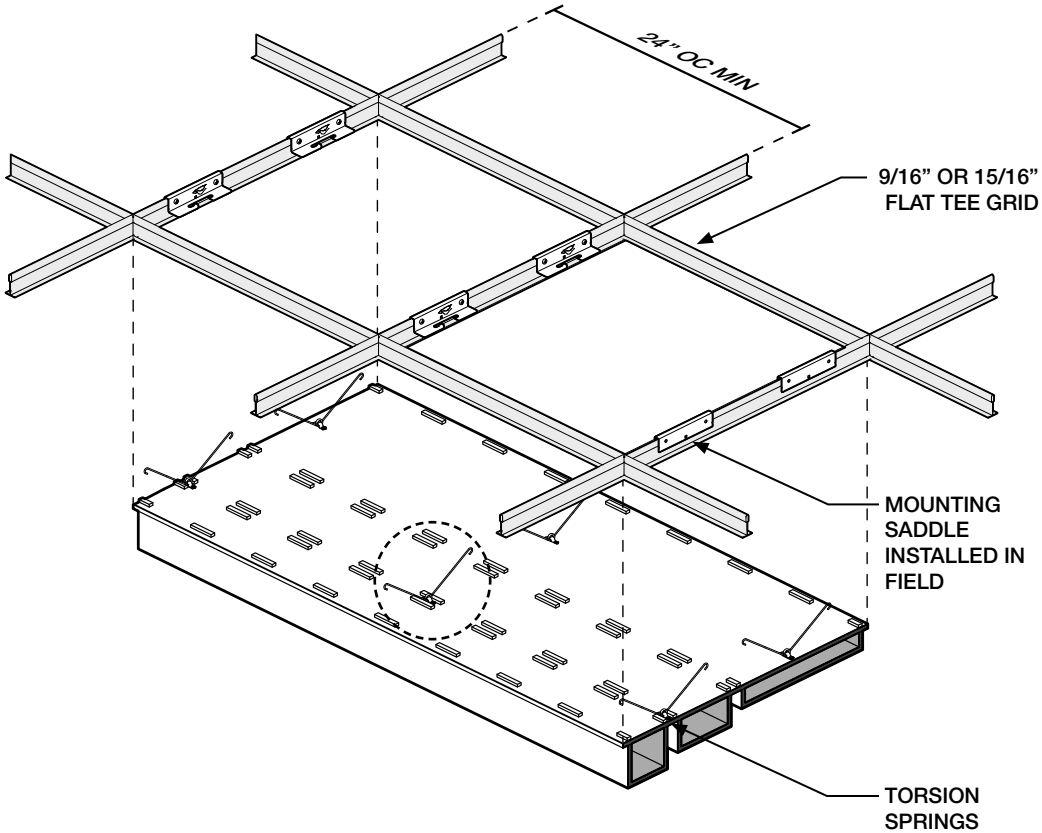
Typical Layouts - Ceiling

Uniform

Using a single panel type flowing in a single direction, create a clean series of lines with Barcode's Uniform layout.
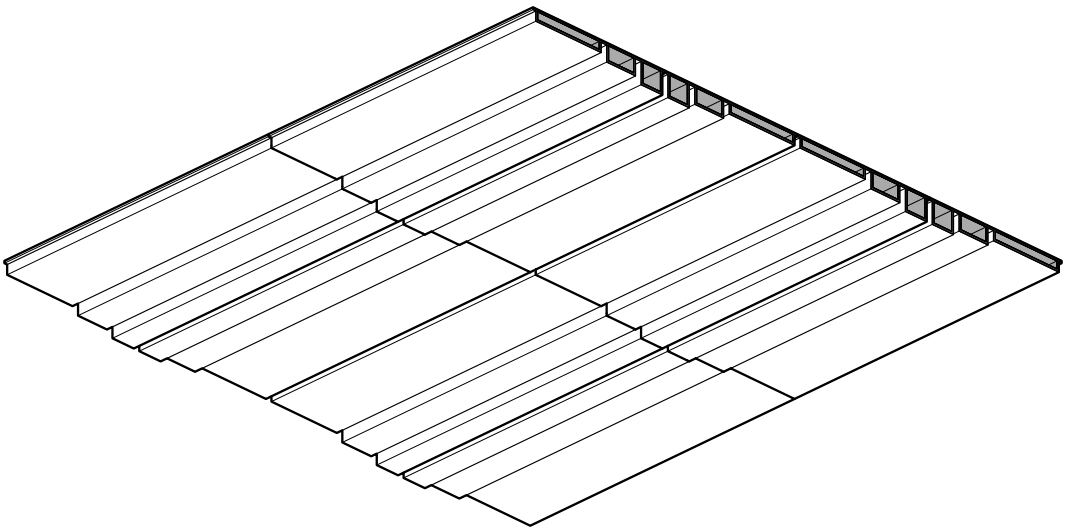
Uniform Alternate

Alternating the orientation of a single panel type every row, add dimensionality with Barcode's Uniform Alternate layout.
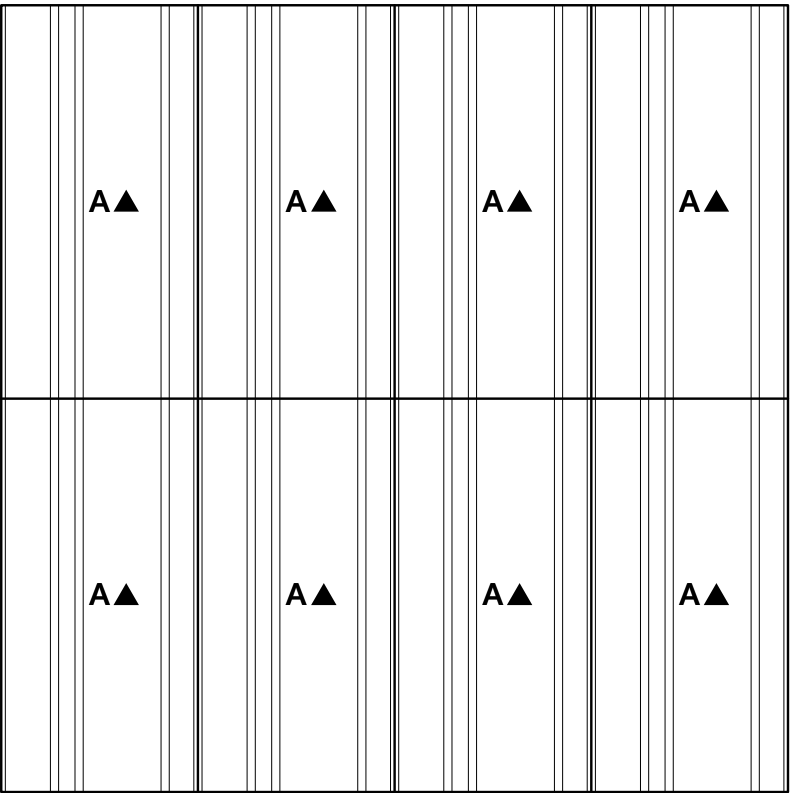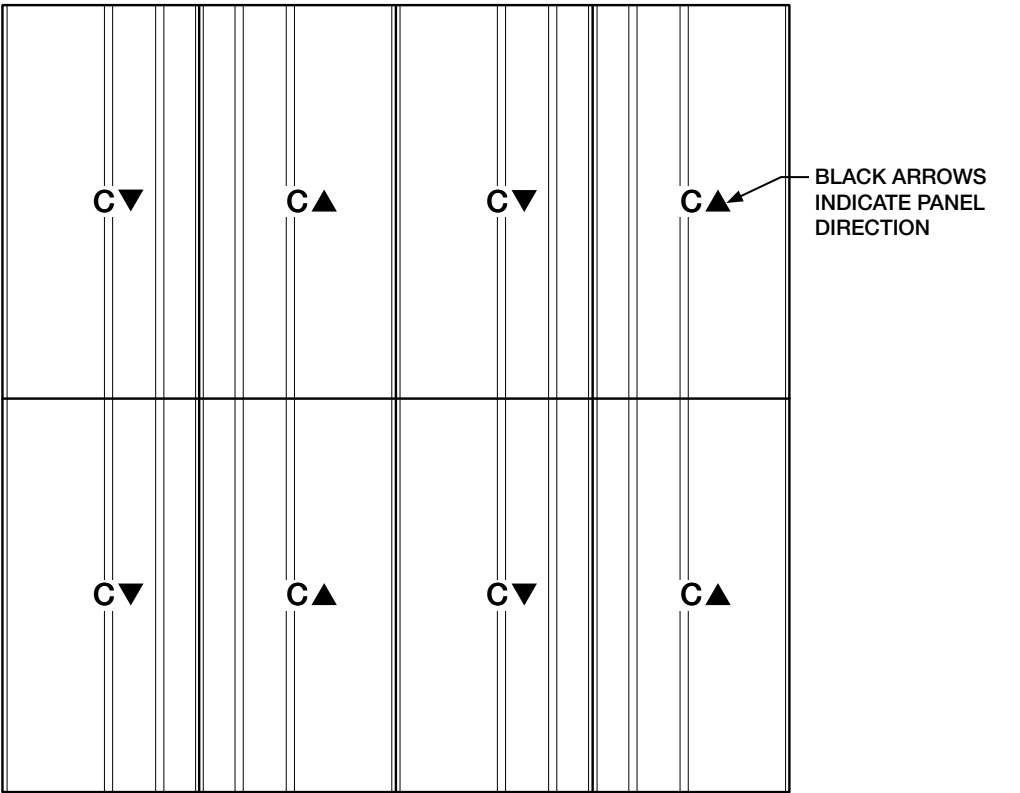
UNIFORM

UNIFORM ALTERNATE

UNIFORM PLAN VIEW

A▲ A▲ A▲ A▲

A▲ A▲ A▲ A▲

UNIFORM ALTERNATE PLAN VIEW

C▼ C▲ C▼ C▲

C▼ C▲ C▼ C▲

BLACK ARROWS INDICATE PANEL DIRECTION

Typical Layouts Continued - Ceiling

Two Panel

Alternating two different panel types every other row, break up uniform line work with Barcode's Two Panel layout.

Combination

Mix all panel types in different orientations to create a dynamic look with Barcode's Combination layout.

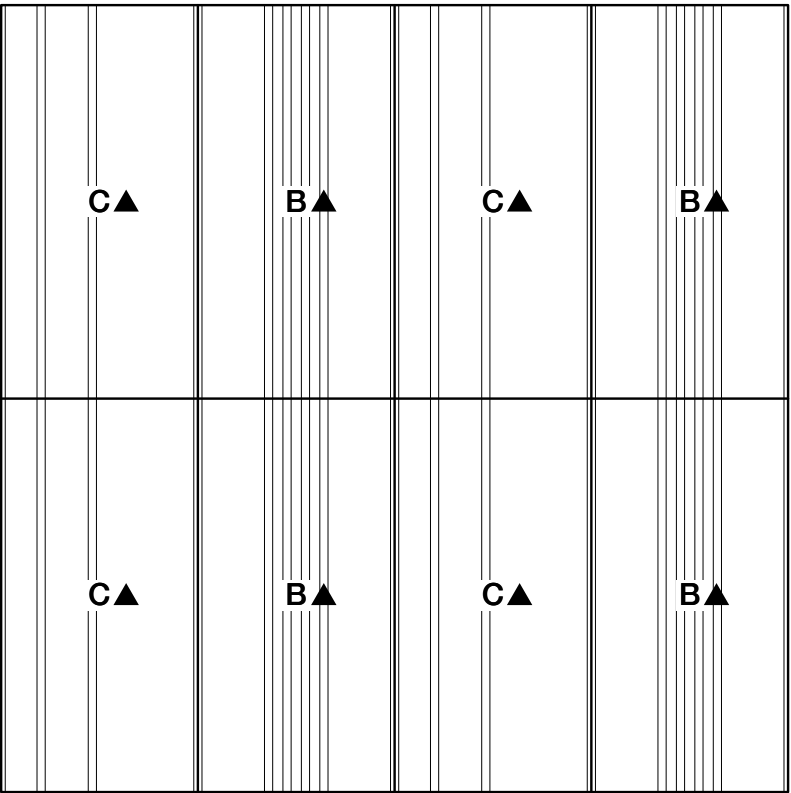Please note this layout requires panel edges to be capped. See more information on requirements in the annotations.

Unique Layout

Mix and match panels in different configurations—with infinite options—to create your own unique layout.

TWO PANEL

COMBINATION

CAPPED PANELS WILL HAVE A 0.1" GAP BETWEEN BLADES

0.1"
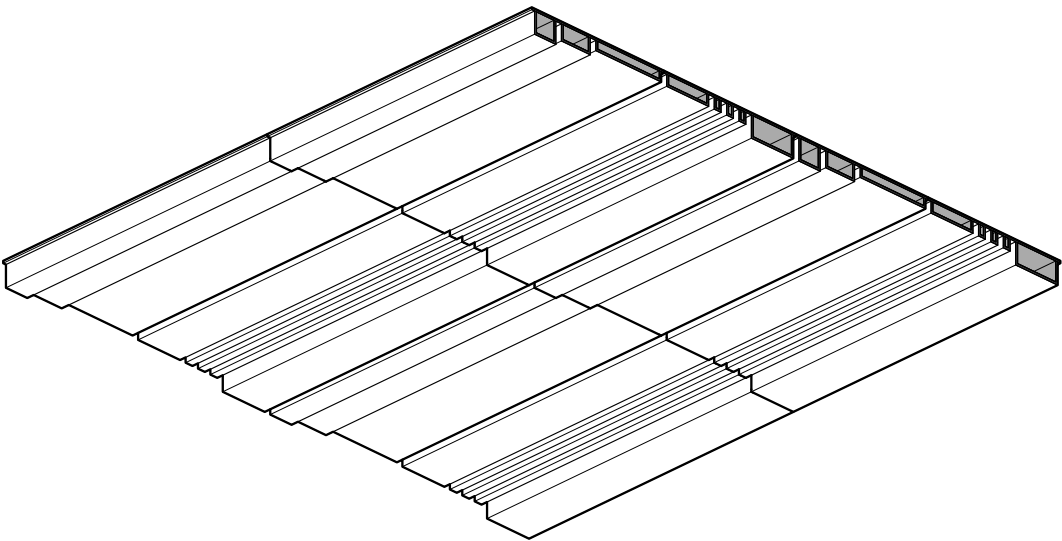
TWO PANEL PLAN VIEW

C▲ B▲ C▲ B▲

C▲ B▲ C▲ B▲

COMBINATION PLAN VIEW

B▼ D▲ D▲ A▲▲

BLACK ARROWS INDICATE PANEL DIRECTION

A▲▲ B▼ C▲ D▲
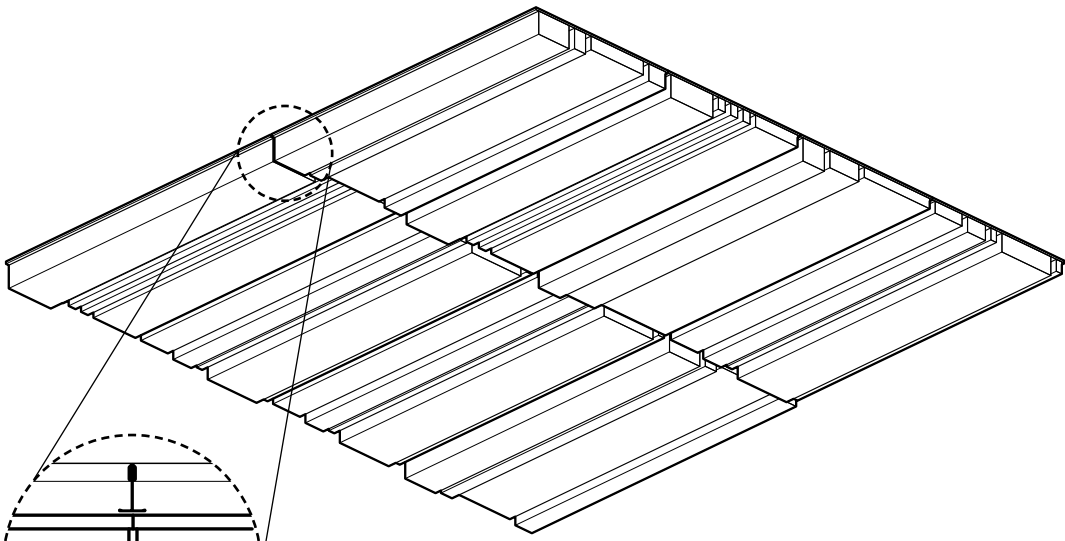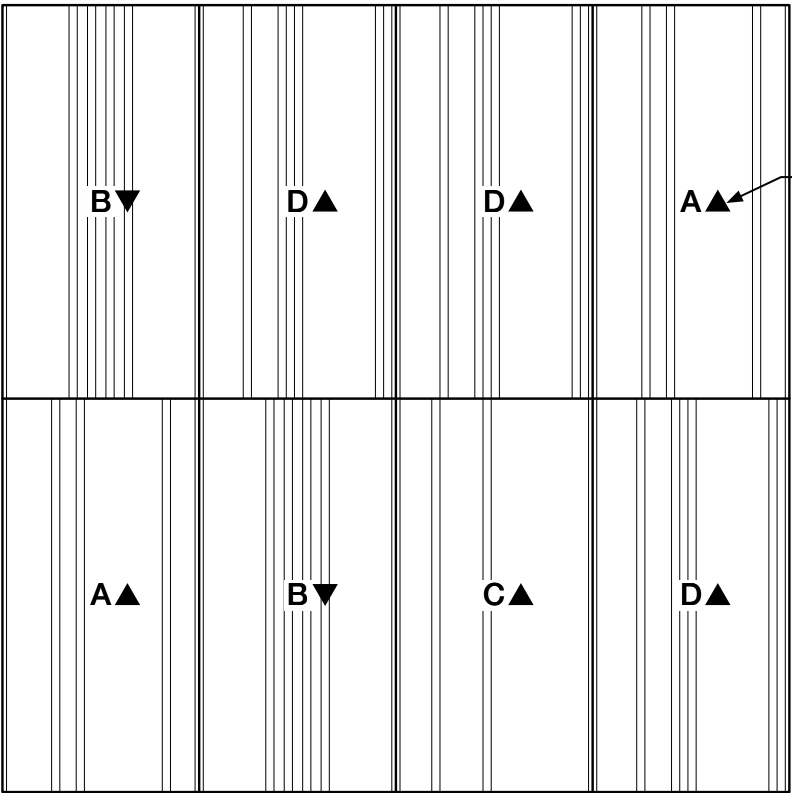
Typical Elevations - Walls

Raise the Bar

Choose from any panel type, then configure your layout. Each panel type offers a distinct aesthetic, use a single type or mix and match.

24"

SEAMS AT PANEL BREAKS

PRIMARY COLOR
9MM BLADES

SECONDARY COLOR
9MM BACK PANEL

PLEASE NOTE,
TWO PANELS
SHOWN ON ALL
ELEVATIONS

120"

PANEL A

PANEL B
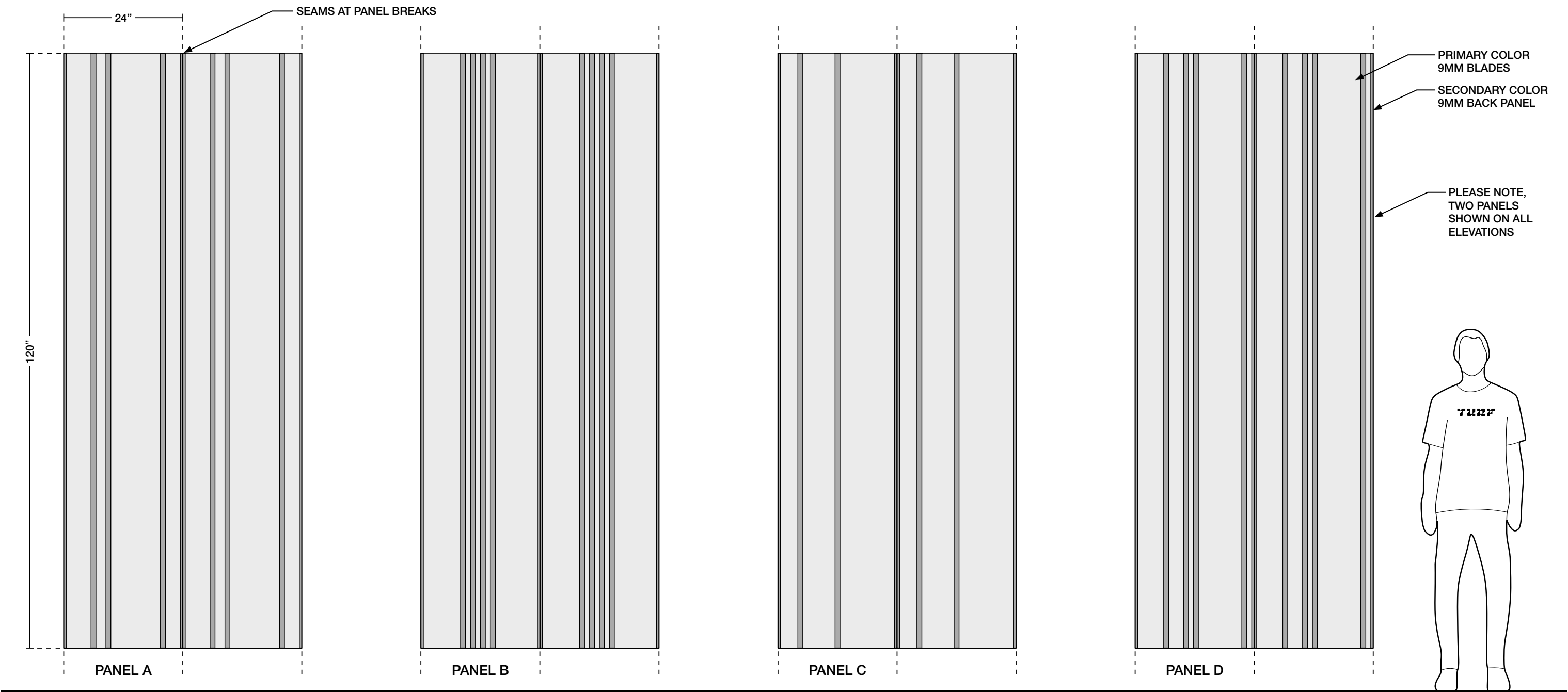
PANEL C

PANEL D

ALL DIMENSIONS NOMINAL UNLESS NOTED OTHERWISE

Additional Layouts - Walls

Wall Scape

Beyond the vertical layout, use all four panel types to create a dynamic Mix layout. Form a seamless pattern with panels flowing from wall to wall with the Horizontal layout.

MIX LAYOUT

24"

SEAMS AT PANEL BREAKS

120"

PANEL A   PANEL B   PANEL C   PANEL D   PANEL A

HORIZONTAL LAYOUT

120"

24"

PRIMARY COLOR
9MM BLADES

SECONDARY COLOR
9MM BACK PANEL

PANEL B SHOWN AS EXAMPLE
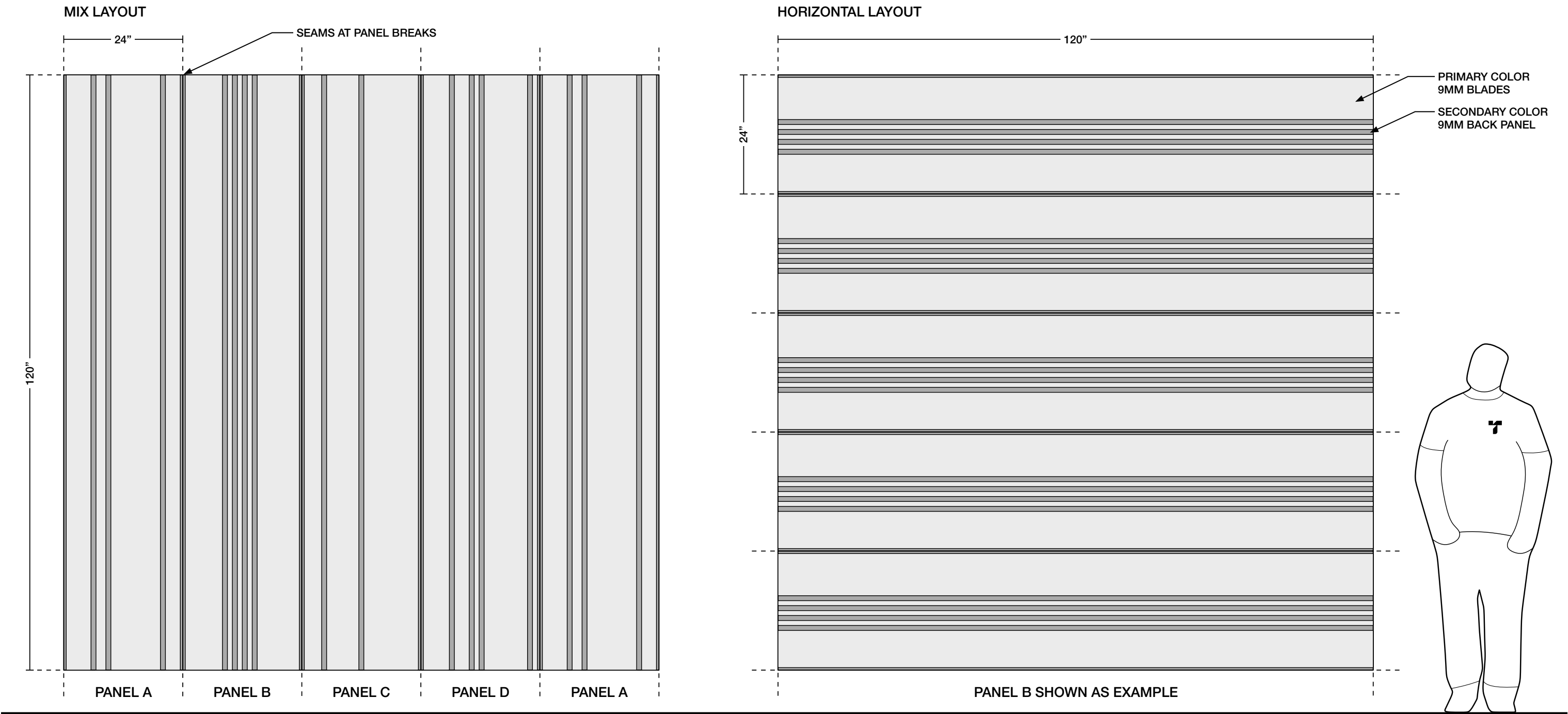
ALL DIMENSIONS NOMINAL UNLESS NOTED OTHERWISE

Barcode Customization

Custom Barcode

Beyond our standard panels, Barcode offers unique customized panels tailored to your space. Follow this simple guide to turn your vision into reality.

1 **Space Dimensions**

Let our design team know the layout and dimensions of your space.

2 **Linear & Grille Profiles**

Choose between Linear or Grille profiles to customize the panels. See individual cut sheets for details on standard panels.

turf.design/products/linear
turf.design/products/grille

3 **Blade Percentage**

The blade percentage determines the total number of blades relative to the original panel.

Choose a percentage from 10%-50%. A higher number creates a layout with fewer, wider blades.

Blade percentage is based on your entire space instead of a singular panel. The result will differ every time since its unique to your space.

Ceiling & Wall

This same process applies to creating both ceiling and wall panels.

1 SPACE DIMENSIONS

WIDTH

LENGTH

2 LINEAR OR GRILLE PROFILE TO CUSTOMIZE

L3

L4

L5

L6

G4

G5

G6

G7

G8

3 BLADE PERCENTAGE EXAMPLES

WHEN BLADES INCREASE IN WIDTH, IT DECREASES THE TOTAL NUMBER OF BLADES

ORIGINAL - G7 SHOWN AS EXAMPLE

25% BLADES - G7 SHOWN AS EXAMPLE

50% BLADES - G7 SHOWN AS EXAMPLE
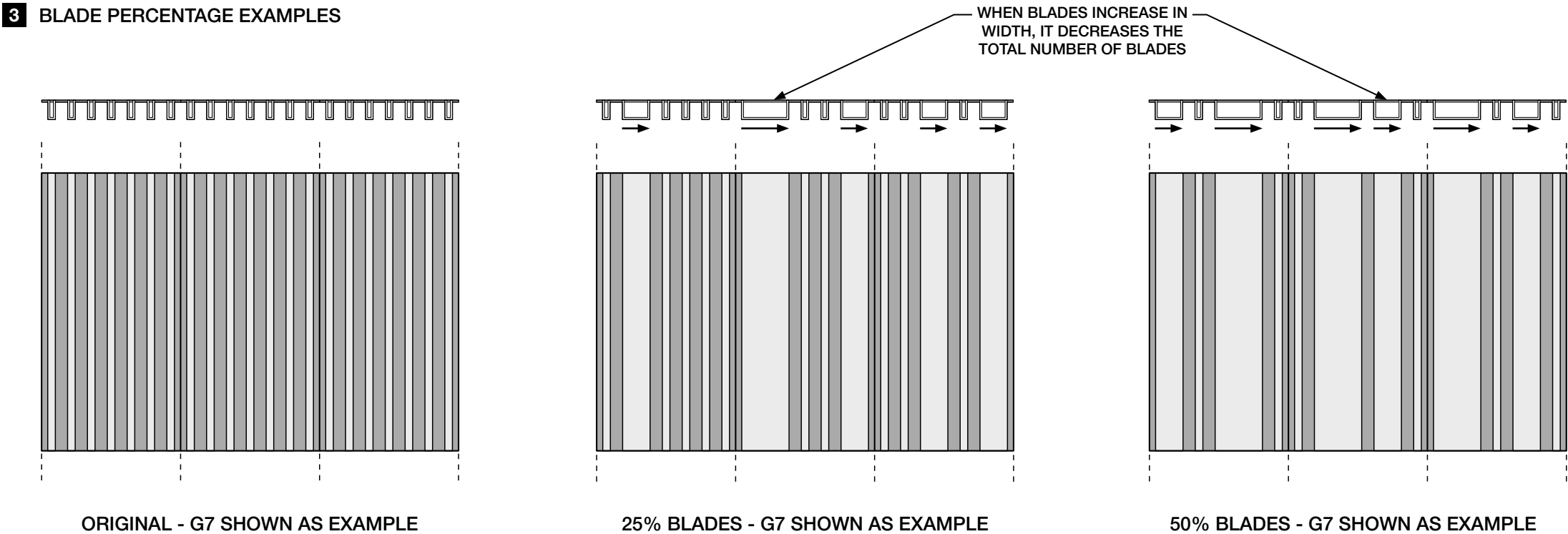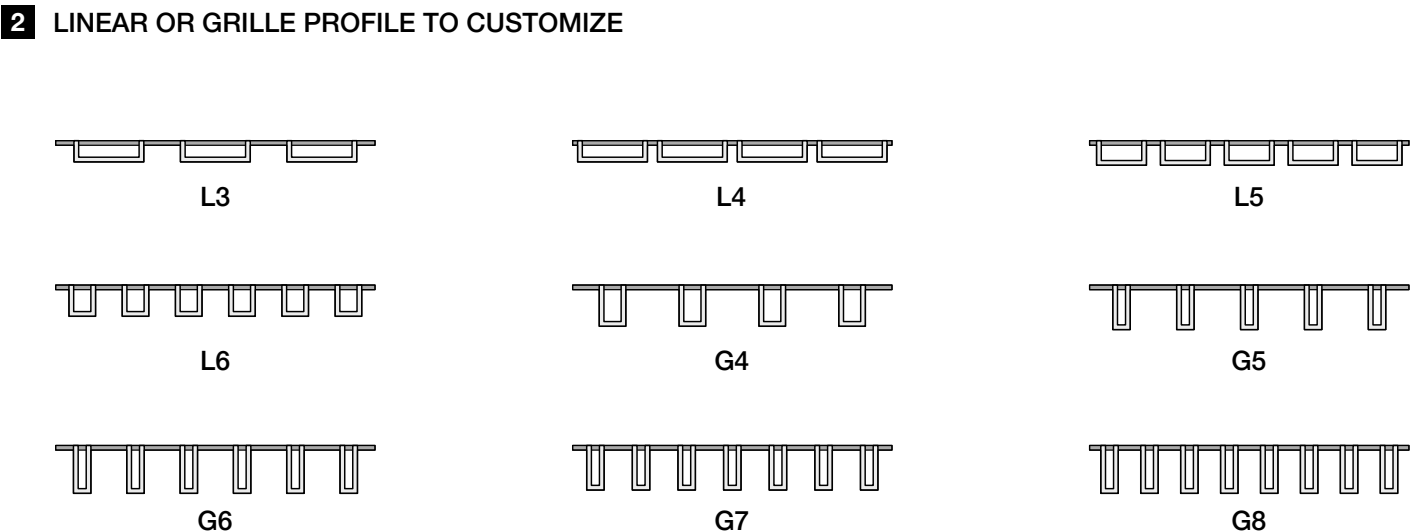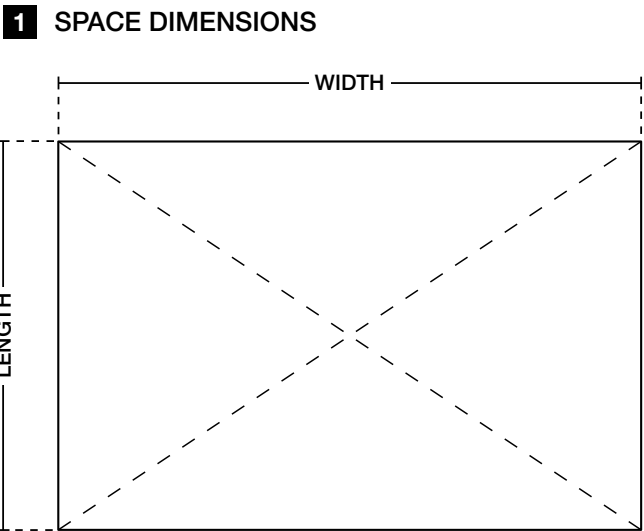
Lighting Integration

Coordination

Turf does not coordinate panels to accommodate specific light fixtures. All modifications are to be made in field by the installer. Panels do not include light fixtures.

Trim in Field

See Ceiling Installation & Trim Guide page for more information on how to prep panels for lighting integration.
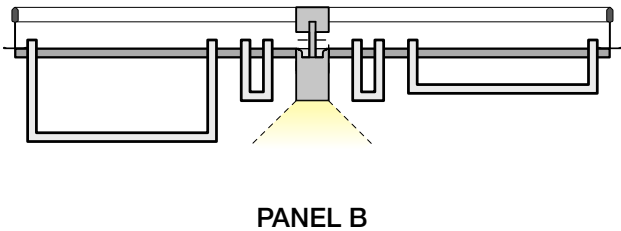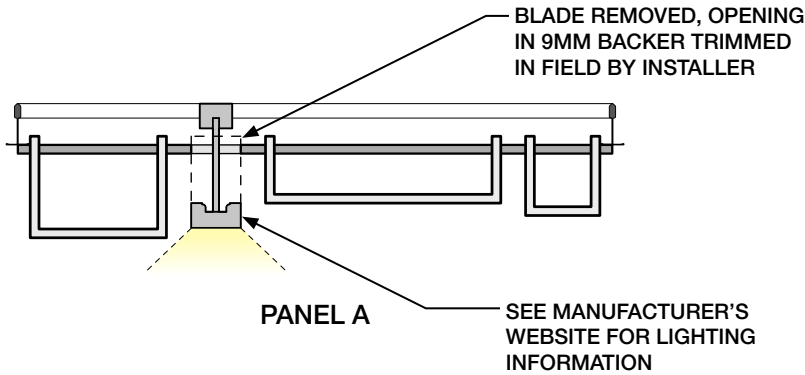
Lighting Partners

Light Fixtures

Turf does not supply lighting. Please visit the manufacturer website for more information on lighting coordination.

axis

See Slate™ product family for more information. The table below shows Turf's guide for which light options integrate best with certain panels.

AXIS Lighting Integration by Panel Type				
Panel Type	Slate 1	Slate 2	Slate 3	Slate 5
A	-	✓	-	-
B	✓	-	-	-
C	-	-	-	✓
D	-	-	✓	-

REPLACE BLADES WITH LIGHTING

BLADE REMOVED, OPENING IN 9MM BACKER TRIMMED IN FIELD BY INSTALLER

PANEL A

SEE MANUFACTURER'S WEBSITE FOR LIGHTING INFORMATION

PANEL B

PANEL C

PANEL D

REPLACE BLADES EXAMPLE

PANEL A SHOWN AS EXAMPLE

LIGHTING BY OTHERS

BLADES AT PANEL EDGE

DO NOT REMOVE ANY BLADES CLOSEST TO THE EDGE OF A PANEL

GRIDLOCK CONNECTIONS MUST BE MAINTAINED NEAR PANEL EDGE

BLADES & LIGHT CLEARANCE

0.25" MIN

LIGHTING BY OTHERS
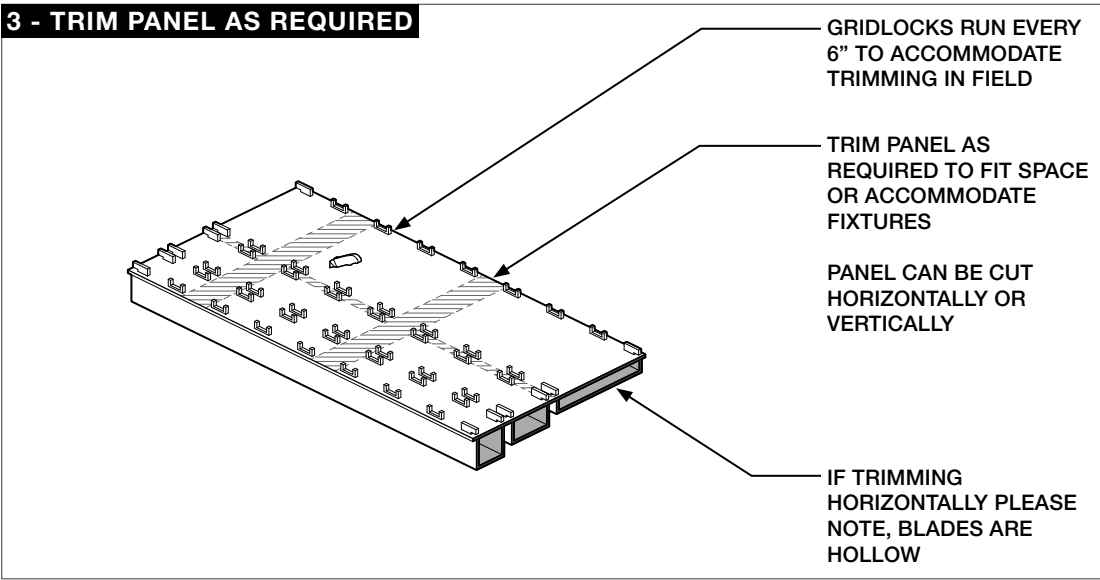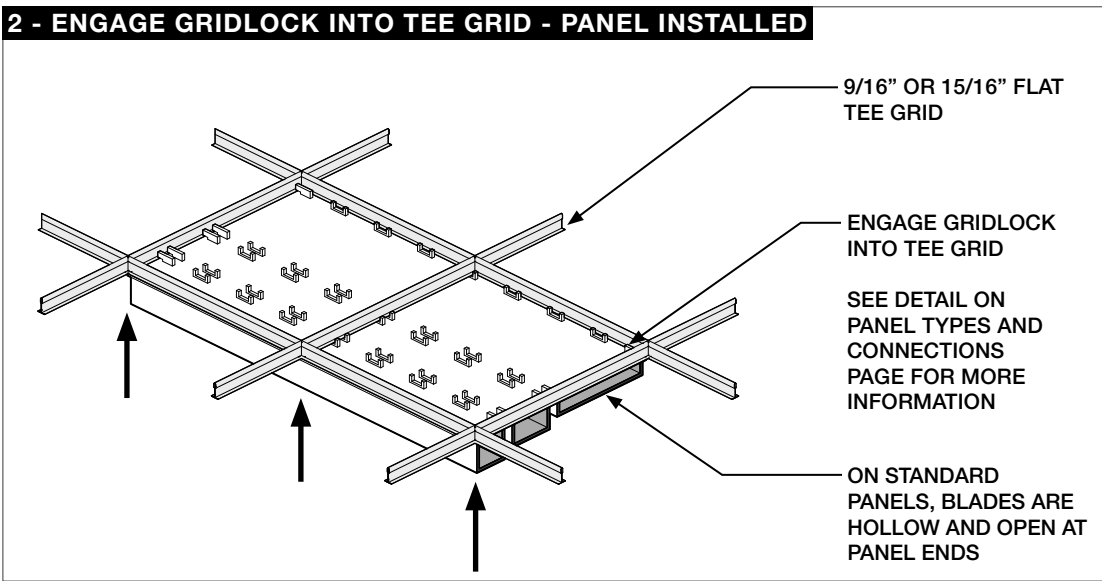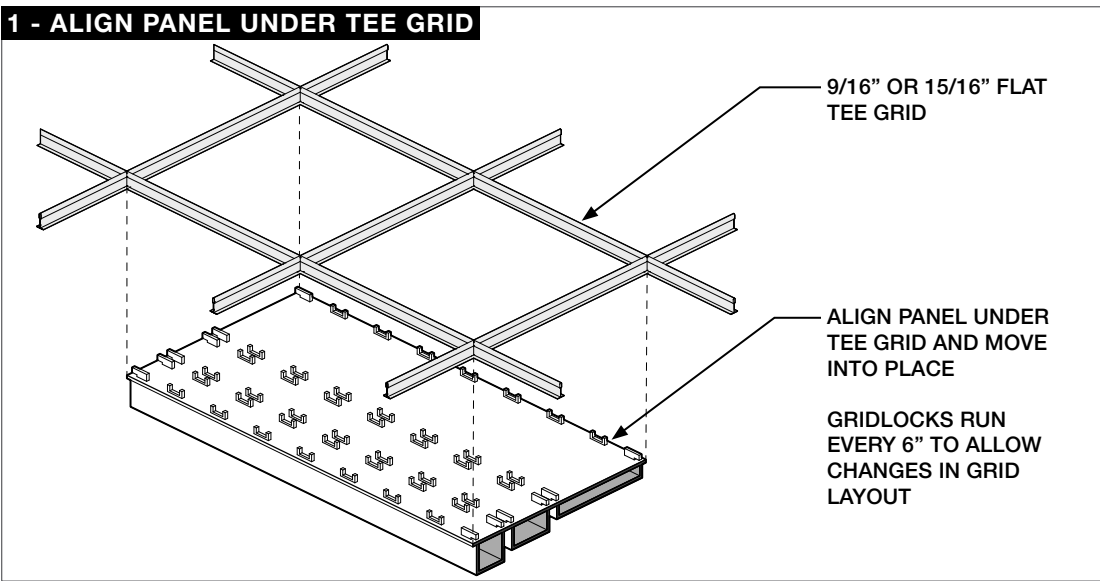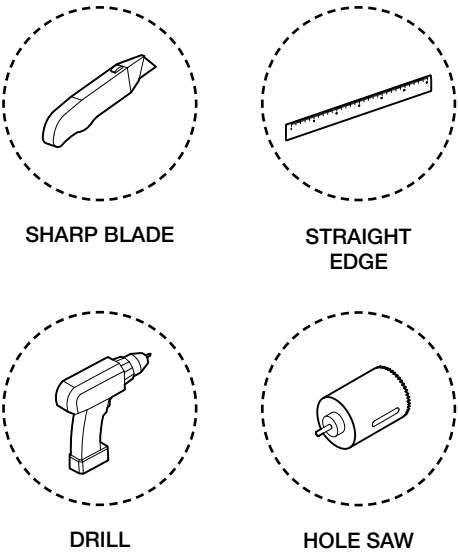
MAINTAIN A MINIMUM OF 0.25" CLR BETWEEN BLADE & LIGHT
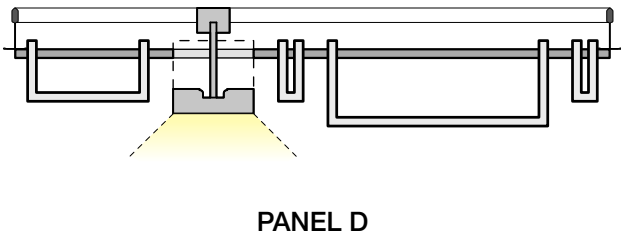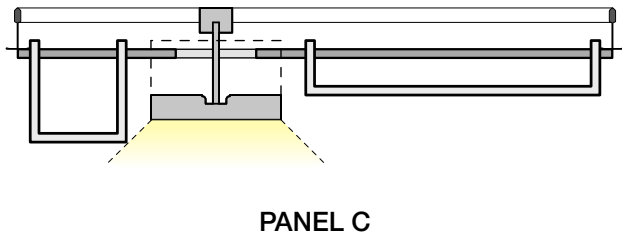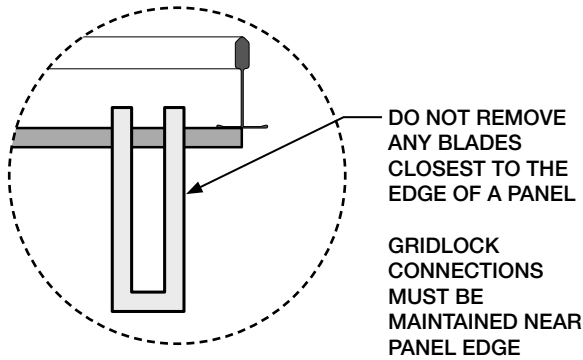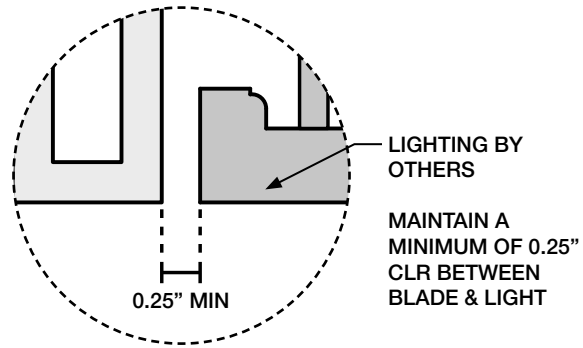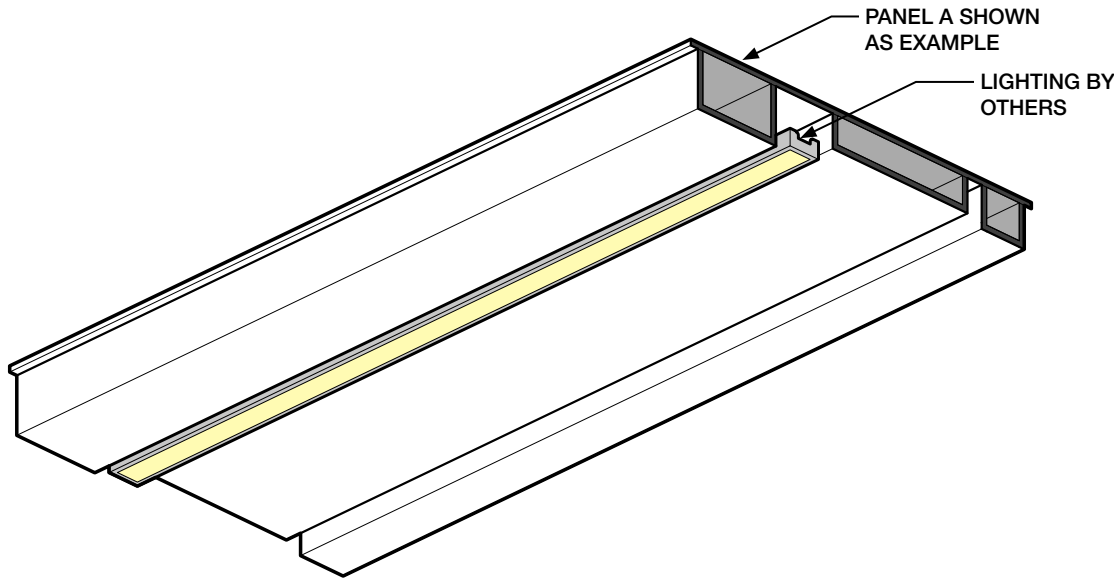
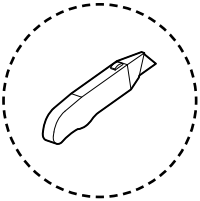# Installation & Trim Guide - Ceiling

Barcode panels are designed for quick and easily installation into the ceiling, and can accommodate trimming in field — just follow this simple guide.

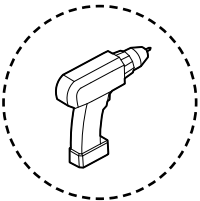The installation instructions included are for a typical GridLock panel installation.

Tools Required
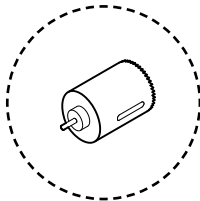

SHARP BLADE

STRAIGHT EDGE

DRILL

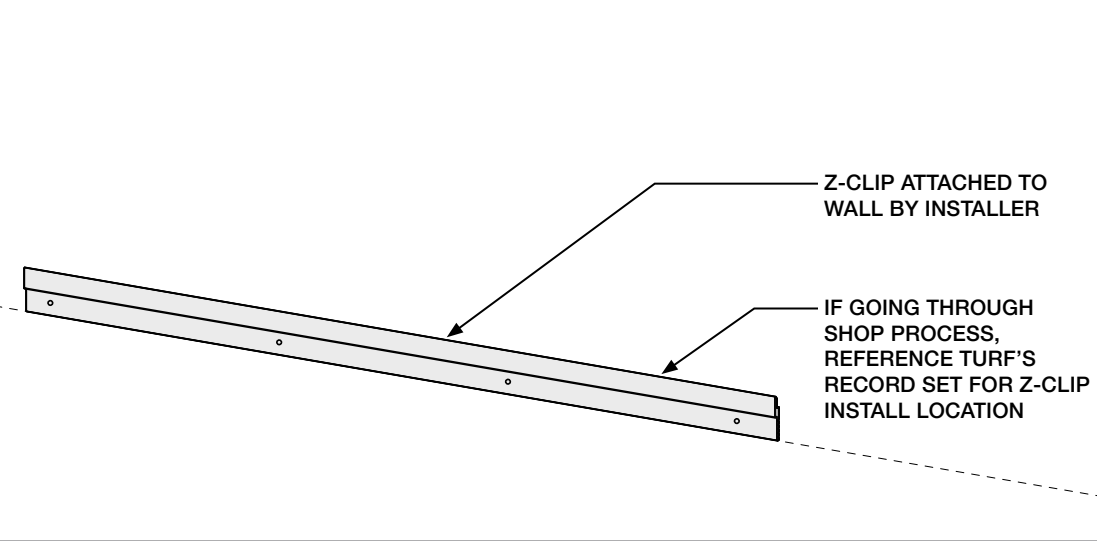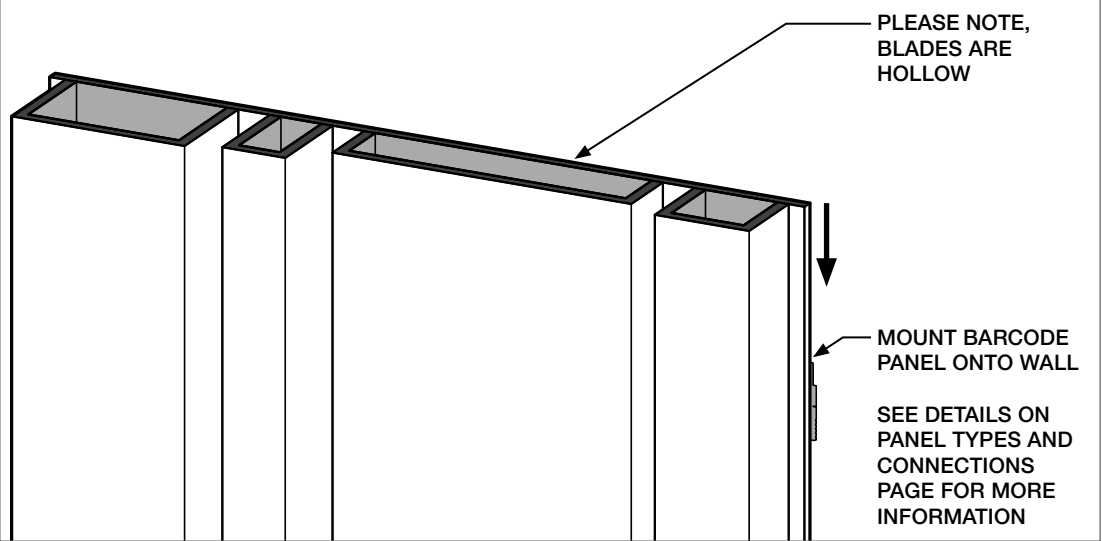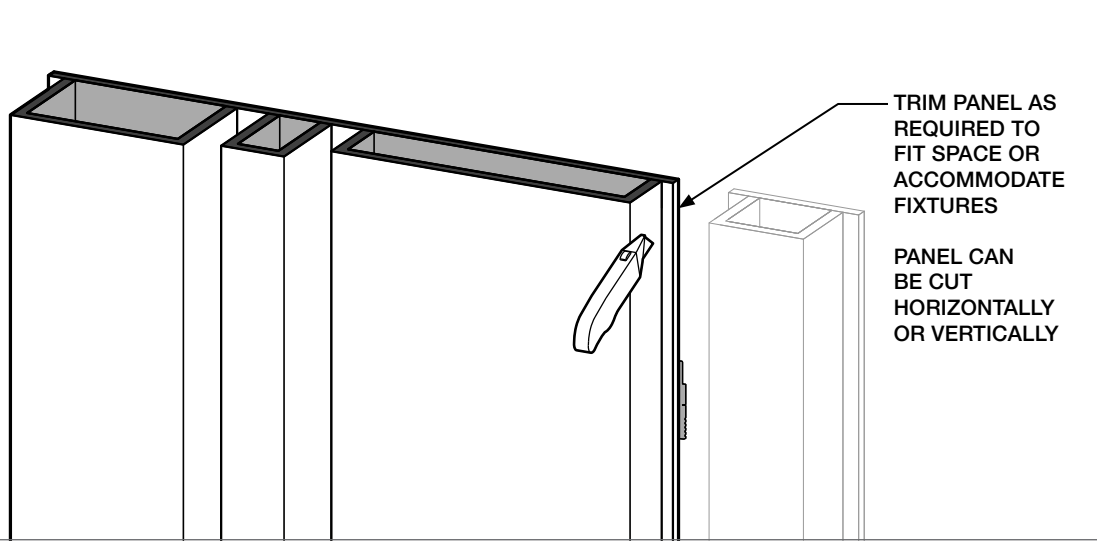HOLE SAW

1 - ALIGN PANEL UNDER TEE GRID

9/16" OR 15/16" FLAT TEE GRID

ALIGN PANEL UNDER TEE GRID AND MOVE INTO PLACE

GRIDLOCKS RUN EVERY 6" TO ALLOW CHANGES IN GRID LAYOUT

2 - ENGAGE GRIDLOCK INTO TEE GRID - PANEL INSTALLED

9/16" OR 15/16" FLAT TEE GRID

ENGAGE GRIDLOCK INTO TEE GRID

SEE DETAIL ON PANEL TYPES AND CONNECTIONS PAGE FOR MORE INFORMATION

ON STANDARD PANELS, BLADES ARE HOLLOW AND OPEN AT PANEL ENDS

3 - TRIM PANEL AS REQUIRED

GRIDLOCKS RUN EVERY 6" TO ACCOMMODATE TRIMMING IN FIELD

TRIM PANEL AS REQUIRED TO FIT SPACE OR ACCOMMODATE FIXTURES

PANEL CAN BE CUT HORIZONTALLY OR VERTICALLY

IF TRIMMING HORIZONTALLY PLEASE NOTE, BLADES ARE HOLLOW

4 - MAINTAIN CLEARANCE

GRIDLOCKS RUN EVERY 6" TO ACCOMMODATE TRIMMING IN FIELD

ON STANDARD PANELS, BLADES ARE HOLLOW AND OPEN AT PANEL ENDS

IF TRIMMING BETWEEN BLADES, MAINTAIN 0.25" CLR

5 - SPLIT PANEL AS REQUIRED

PANELS CAN BE SPLIT THROUGH AS REQUIRED, MAINTAIN A MINIMUM OF ONE BLADE ON EITHER SIDE OF A COMPLETE SPLIT

Installation & Trim Guide - Walls

Barcode panels are designed for quick and easily installation onto the wall, and can accommodate trimming in field — just follow this simple guide.

If you're using a standard z-clip connection, Turf installs 2" z-clips on the back of each Barcode panel with additional runs of z-clips for mounting use by the installer.

Barcode can also be requested without any additional connection hardware. Panels can be installed with construction grade adhesive specified by the contractor.

The installation instructions included are for a typical z-clip installation.

Tools Required

SHARP BLADE
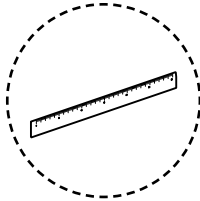
STRAIGHT EDGE

DRILL

HOLE SAW

1 - ATTACH Z-CLIP TO WALL

Z-CLIP ATTACHED TO WALL BY INSTALLER

IF GOING THROUGH SHOP PROCESS, REFERENCE TURF'S RECORD SET FOR Z-CLIP INSTALL LOCATION

2 - MOUNT BARCODE PANEL

PLEASE NOTE, BLADES ARE HOLLOW

MOUNT BARCODE PANEL ONTO WALL

SEE DETAILS ON PANEL TYPES AND CONNECTIONS PAGE FOR MORE INFORMATION

3 - TRIM BETWEEN BLADES AND HORIZONTALLY AS REQUIRED

TRIM PANEL AS REQUIRED TO FIT SPACE OR ACCOMMODATE FIXTURES

PANEL CAN BE CUT HORIZONTALLY OR VERTICALLY

4 - DO NOT TRIM VERTICALLY THROUGH BLADES

WARNING **DO NOT** TRIM VERTICALLY THROUGH A BLADE

BLADES ARE HOLLOW AND TRIMMING WILL COMPROMISE STABILITY
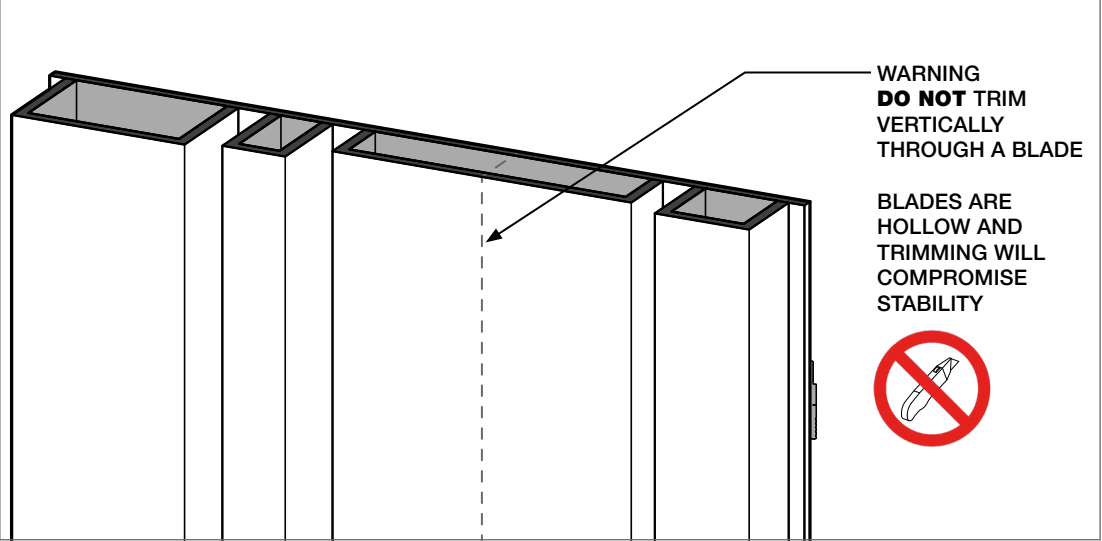
Tech

Acoustics ASTM C 423-17: E400 & F-13

Fire Rating ASTM E-84 – Class A

VOC ASTM D5116 Compliant

Acoustic Rating

Barcode NRC		
Panel	Ceiling	Wall
A	1.05	1.00
B	1.05	0.95
C	1.05	0.95
D	1.05	0.95

The table displays information for an 10' x 10' array of sound absorbing panels. "Ceiling" refers to E400 mounting type, "Wall" refers to F-13 mounting type.
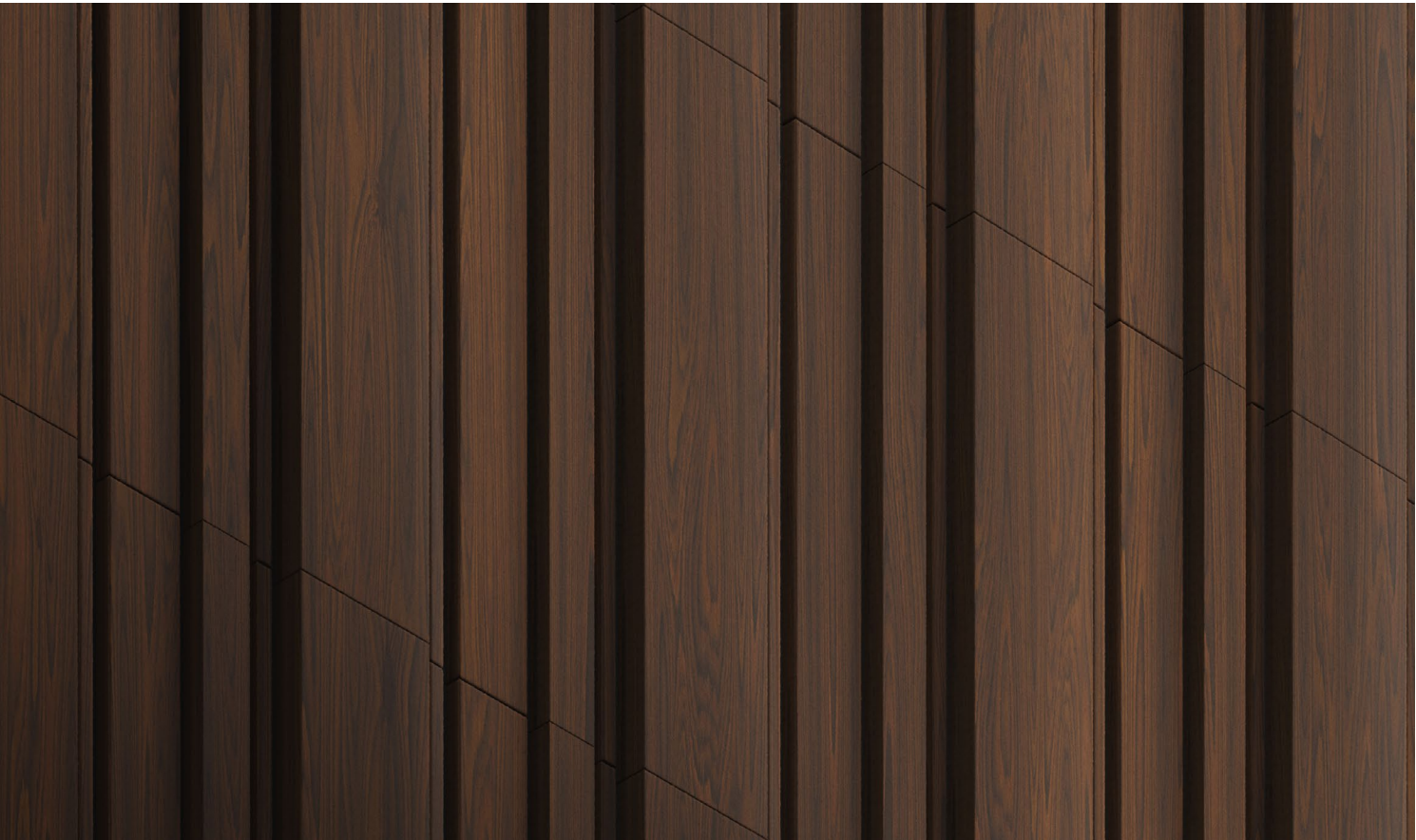
Details

Lead Time Check the Turf website for current lead times.

Warranty Five (5) years

Maintenance Vacuum 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. Contact us for more information relative to spot cleaning.

Weight Turf products cannot support the weight of any other items in field.

Certifications

Image by CATK

Image by The Right Exposure

9mm Colors

Introducing Hues, our new 9mm color palette designed for the senses.

The 9mm PET felt board is used as our primary construction material. Select one of our coordinating neutrals to blend in, or go for a contrasting element with one of our hues.

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
9mm +/-0.5 mm

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

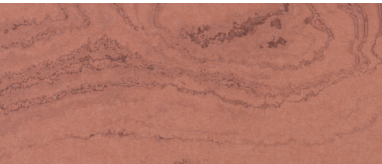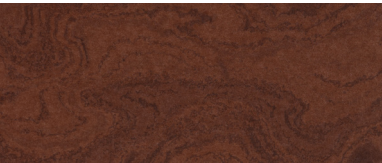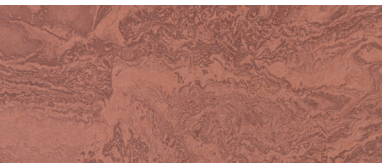|					
10 TOPO GREEN	12 GRASSHOPPER	11 CELADON	63 SAFFLOWER	64 PLANTAIN	43 ORANGE CRUSH
18 ULTISOL	17 BLUSH	23 RED	15 MERLOT	50 IVORY	33 LUMINARY
83 HOLLAND OATS	82 BARLEY	34 TONAL TAUPE	35 BARK	28 INDIGO	30 CYAN
24 ROYAL BLUE	31 AZURE	27 JEAN JACKET	26 FADED DENIM	40 MAGENTA	41 DRIED LAVENDER
66 PEWTER	05 WHITE	01 CREAM	04 LIGHT GREY	98 STORM	09 DAMASCUS
06 CHARCOAL	07 BLACK				
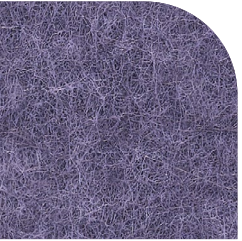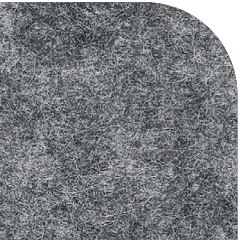
9mm Wood Textures

Invite nature into your space with our wood-inspired textures. Digital printing on felt ensures a unique and realistic grain with virtually no repeats.

There is an additional product cost for Wood Textures.

Please note there is additional lead time for custom matching. Texture and customization will incur additional costs beyond our standard 9mm options.

Felt Thickness
9mm +/-0.5 mm

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

D01 WHITE ASH

D02 SILVER TEAK

D03 CLEAR MAPLE

D04 WASHED ASH

D05 MEDIUM OAK

D06 PLANKED OAK

D07 DARK WALNUT

D08 BLACK PEAR

9mm Stone Textures

Inspired by nature, designed for felt. Our digitally printed Stone Textures capture the character and nuance of stone on top of a curated color collection from our Hues palette with virtually no repeats. The three patterns in this family each capture unique elements from the stones for which they are named.

There is an additional product cost for Stone Textures.

Turf has curated this collection to include only the best pattern and color combinations.

Felt Thickness
9mm +/-0.5 mm

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

ST05 MARBLE

ST01 MARBLE
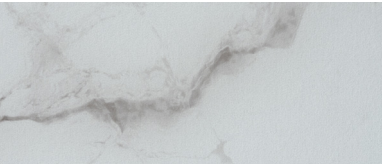
ST33 MARBLE

ST64 MARBLE

ST50 MARBLE

ST83 MARBLE
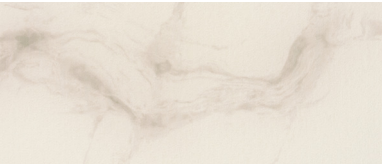
ST66 MARBLE

ST26 MARBLE
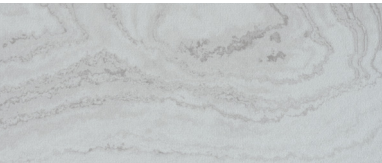
ST05 TRAVERTINE

ST01 TRAVERTINE

ST50 TRAVERTINE

ST64 TRAVERTINE

ST17 TRAVERTINE

ST83 TRAVERTINE
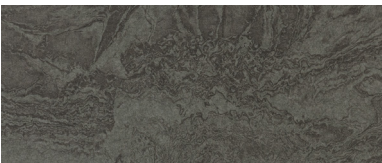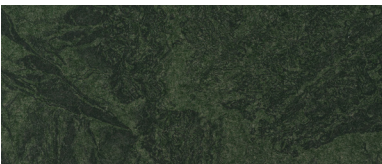
ST66 TRAVERTINE

ST63 TRAVERTINE
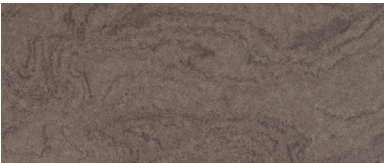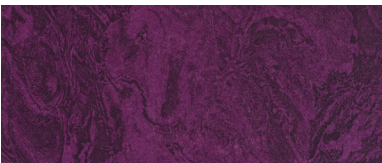
ST18 TRAVERTINE
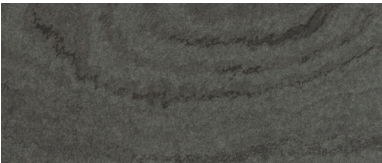
ST34 TRAVERTINE

ST11 TRAVERTINE

ST26 TRAVERTINE

ST17 GRANITE

ST34 GRANITE

ST11 GRANITE

ST63 GRANITE

ST18 GRANITE

ST35 GRANITE

ST10 GRANITE
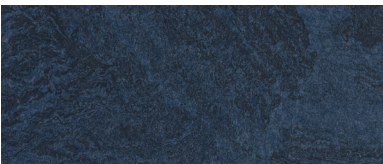
ST28 GRANITE

ST15 GRANITE

ST41 GRANITE
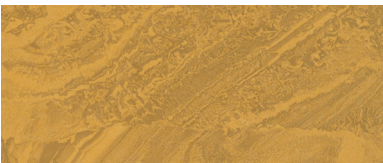
ST40 GRANITE

Texture & Color Pairings

These color combinations are a great starting point to pair Textures and Hues. We tested these color ways to ensure just the right amount of contrast.

BARCODE PANELS

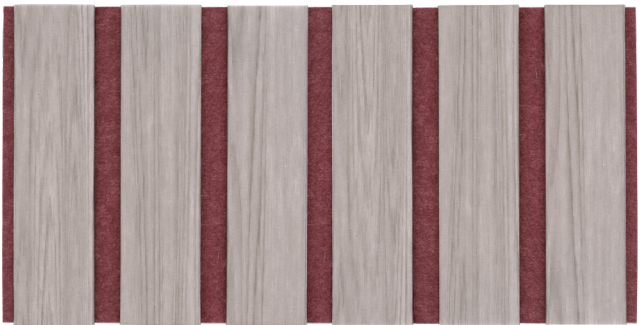
D07 DARK WALNUT & 83 HOLLAND OATS

D03 CLEAR MAPLE & 11 CELADON

LINEAR PANELS

D05 MEDIUM OAK & 43 TONAL TAUPE

D06 PLANKED OAK & 63 SAFFLOWER

SLAT PANELS

D04 WASHED ASH & 26 FADED DENIM

D02 SILVER TEAK & 15 MERLOT

GRILLE PANELS

D03 CLEAR MAPLE & 18 ULTISOL

D08 BLACK PEAR & 41 DRIED LAVENDER