

Acoustic Ceiling Baffle

Freeform

Ahead of the curve

Curves of creativity, free from constraint. Customize every individual Freeform baffle curve to complement your space, and form an organic visual rhythm that fights relentlessly for auditory peace.



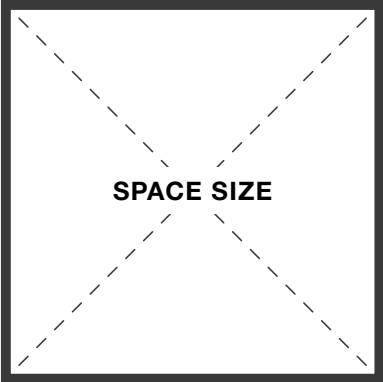
Photography by Nicolay Photography

How To Specify

Key Information

Freeform baffle can take shape in your space in a variety of ways. Consider these questions as you design your layout.

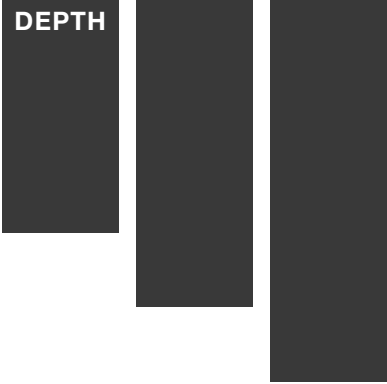
1



What are the dimensions of the space?

PAGE 4


2



What is the baffle depth?

PAGE 3

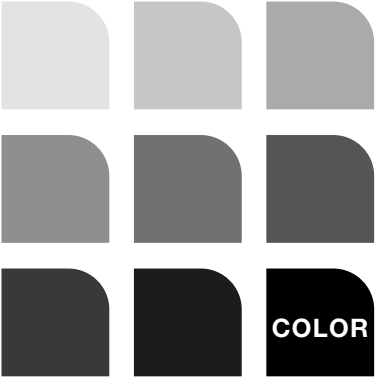
3



Do you have a specific layout in mind, or do you want our design team to tailor freeform to your space?

PAGE 4

4



What is the color or texture?

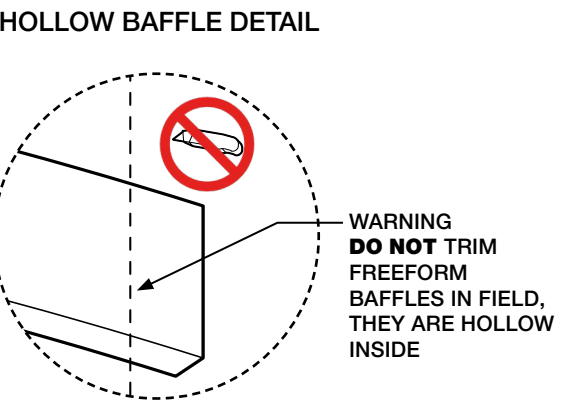
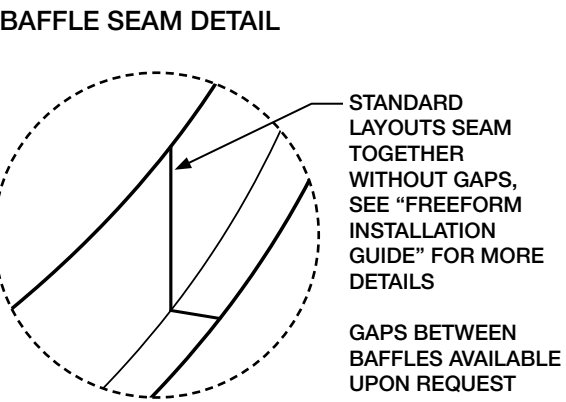
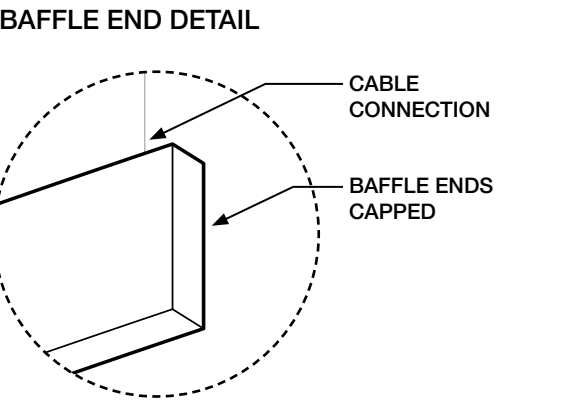
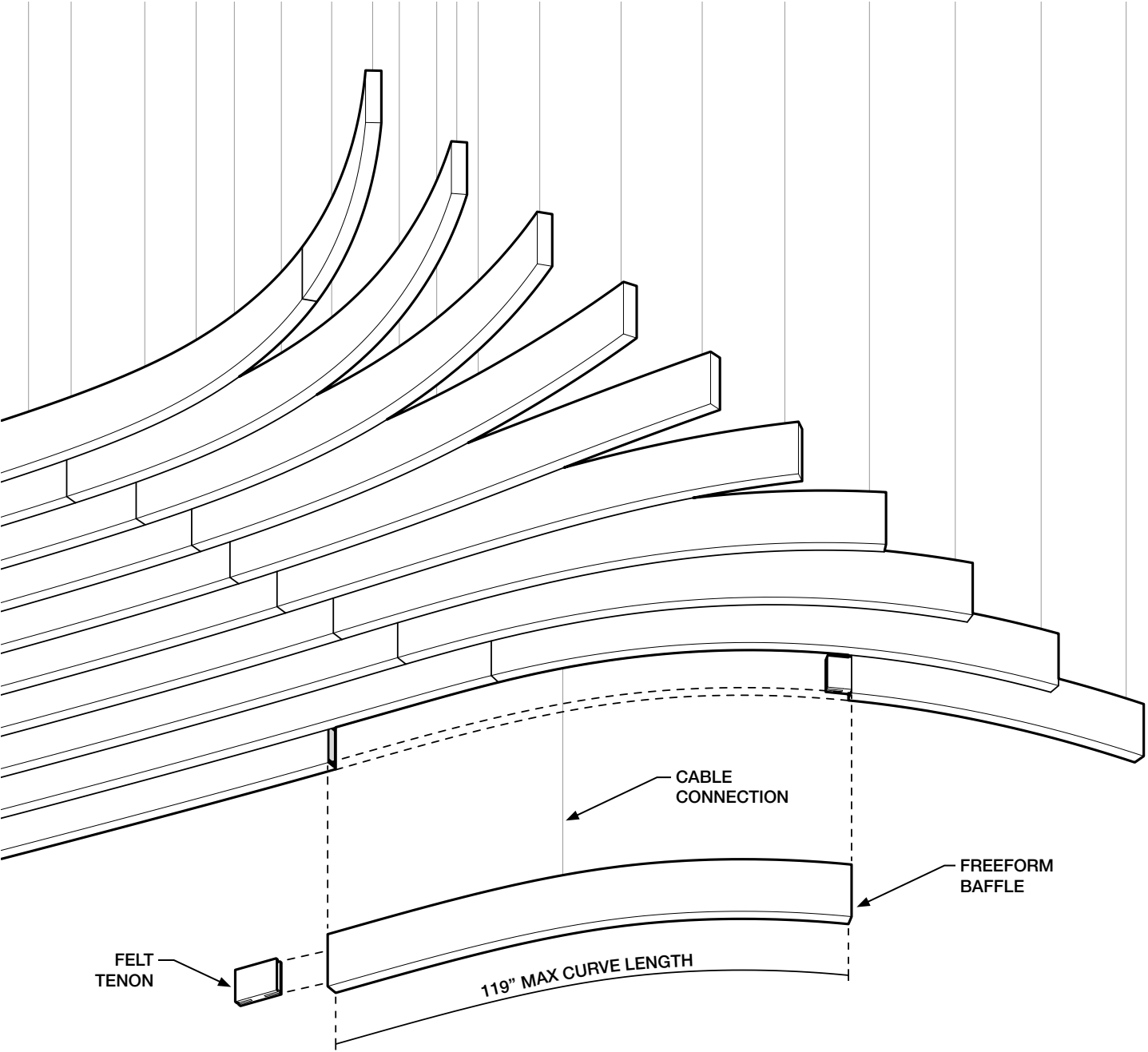
PAGE 10-12

Dimensions & Connection

Maximum Curve	47.5"W Max x 119"L Max
	Freeform layouts are generated from simple curves, see "Freeform Generation" and "Elevation & Plan" pages for more details.
Baffle Width	2"W
Standard Depths	4"D, 7.5"D, 11.5"D
	Custom depths available upon request.
Connection Type	Cable To Deck
	See the "Elevation & Plan" page for more information.

Color

9mm Palette	Freeform Baffle 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.



ALL DIMENSIONS NOMINAL UNLESS NOTED OTHERWISE



Freeform Generation

- Freeform Layouts

Organic flows or geometric forms, sculpt Freeform to fit your space and vision.

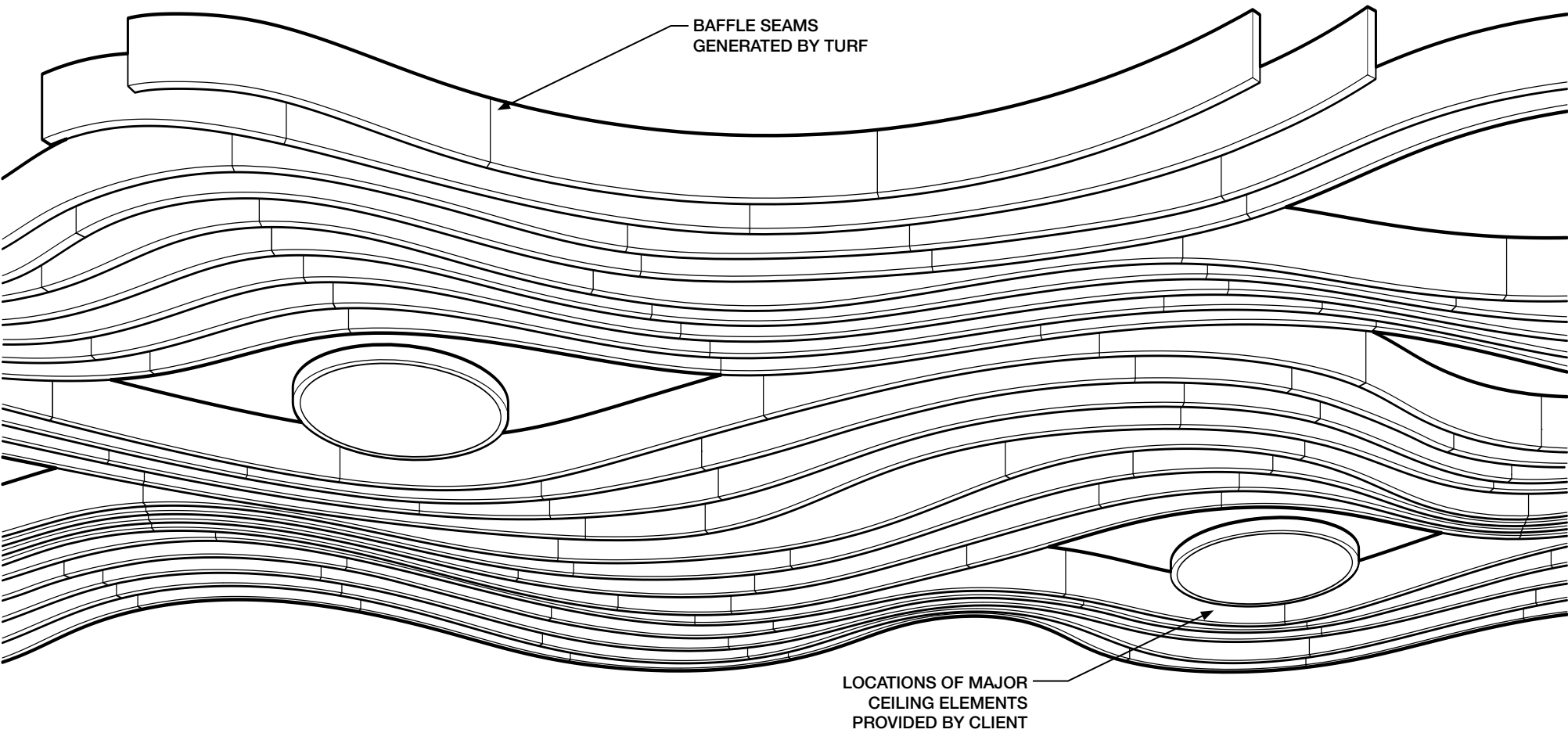
Please note, freeform seams are generated by our in house design team to optimize sheet yield.
- Client Curves

Have specific curves you'd like to use Freeform with? Send us a model and we'll take it from there.
- Turf Design Team

Provide us a simple description of what you're looking for, and our designers will create something uniquely tailored to you.
- Major Ceiling Elements

Our ceilings are full of various kinds of equipment and fixtures, please inform our design team of any obstructions the freeform baffles may need to work around.

EXAMPLE FREEFORM LAYOUT



Elevation & Plan

Connections & Spacing

Typical freeform baffles have a connection at both ends, and one in the middle. Each baffle will have a minimum of three connection points.

Number of connections and spacing may vary based on specific layout and freeform curvature.

Curve Requirements

Freeform baffles are generated from simple curves. To stay within the bounds of our material, any individual curve segment must not be longer than 119" or wider in plan than 47.5".

Additionally, a minimum curve radius of 6" ensures that our baffles can adequately conform to your desired shape.

Cable To Deck

Baffles with embedded cable grippers snap into deck-mounted aircraft cables.

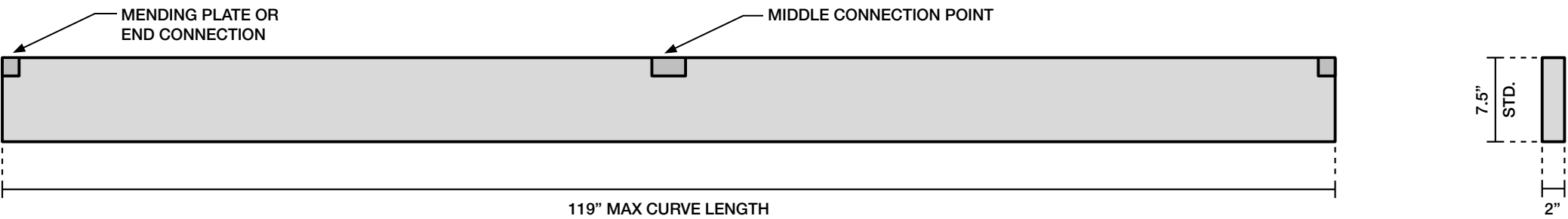
10' aircraft cable supplied by Turf should be trimmed in the field as needed.

Mending Plates

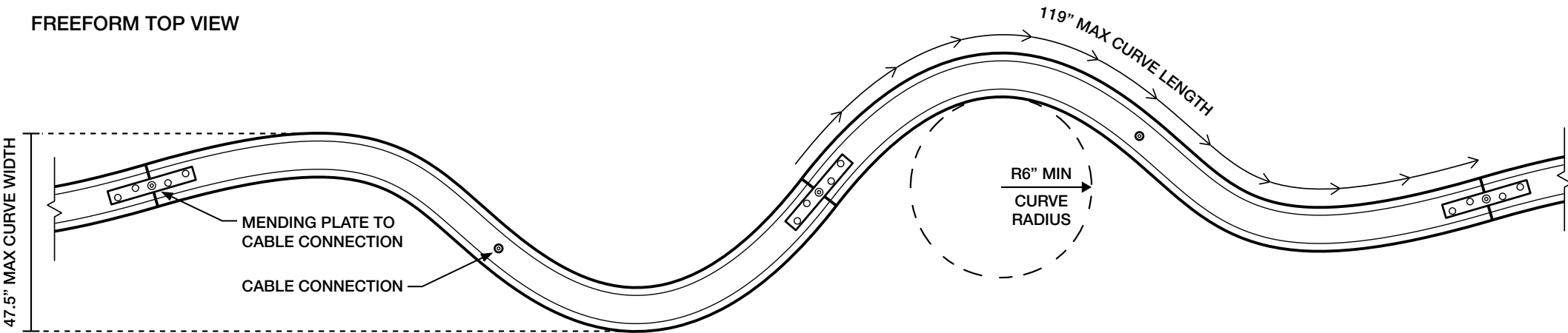
Mending plates help secure adjacent baffles together to create a tight seam.

See "Freeform Installation Guide" for more details on installing felt tenons and mending plates

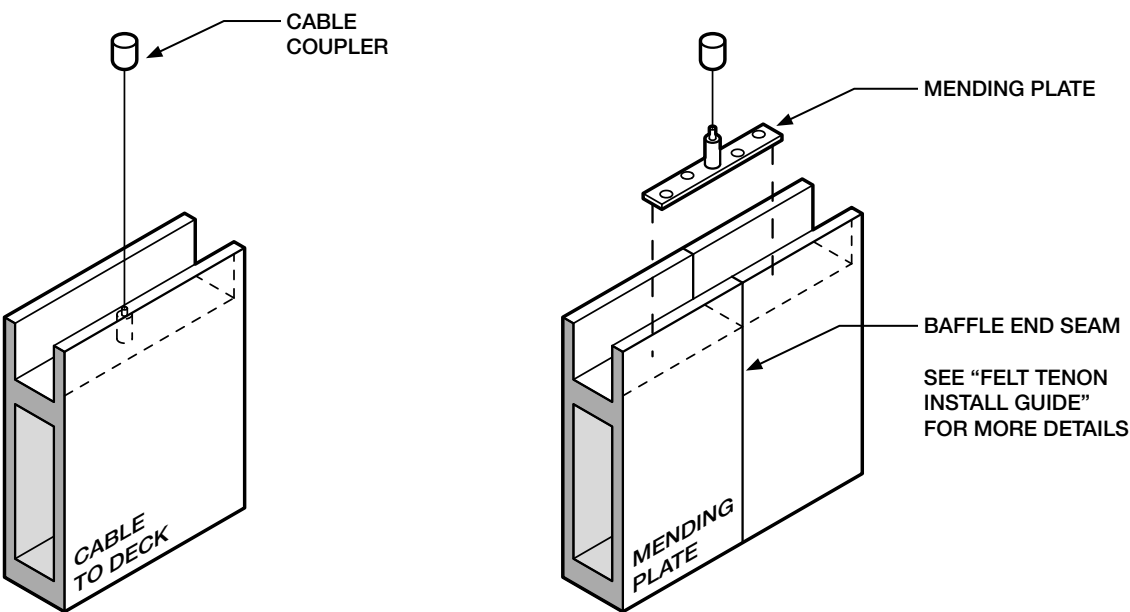
FREEFORM ELEVATIONS



FREEFORM TOP VIEW



FREEFORM CONNECTIONS



ALL DIMENSIONS NOMINAL UNLESS NOTED OTHERWISE



Freeform Installation Guide - 1

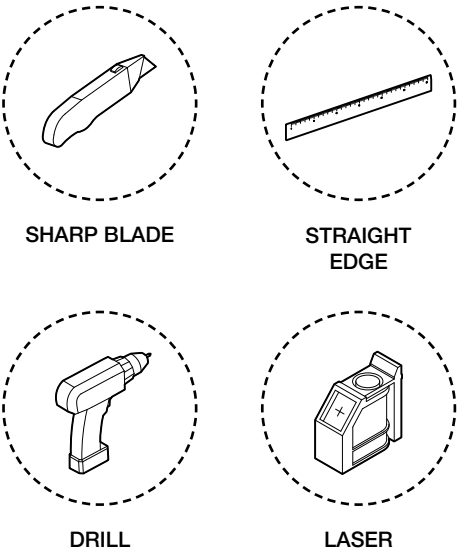
Cardboard Layout

Turf supplies cardboard templates to help during freeform installation.

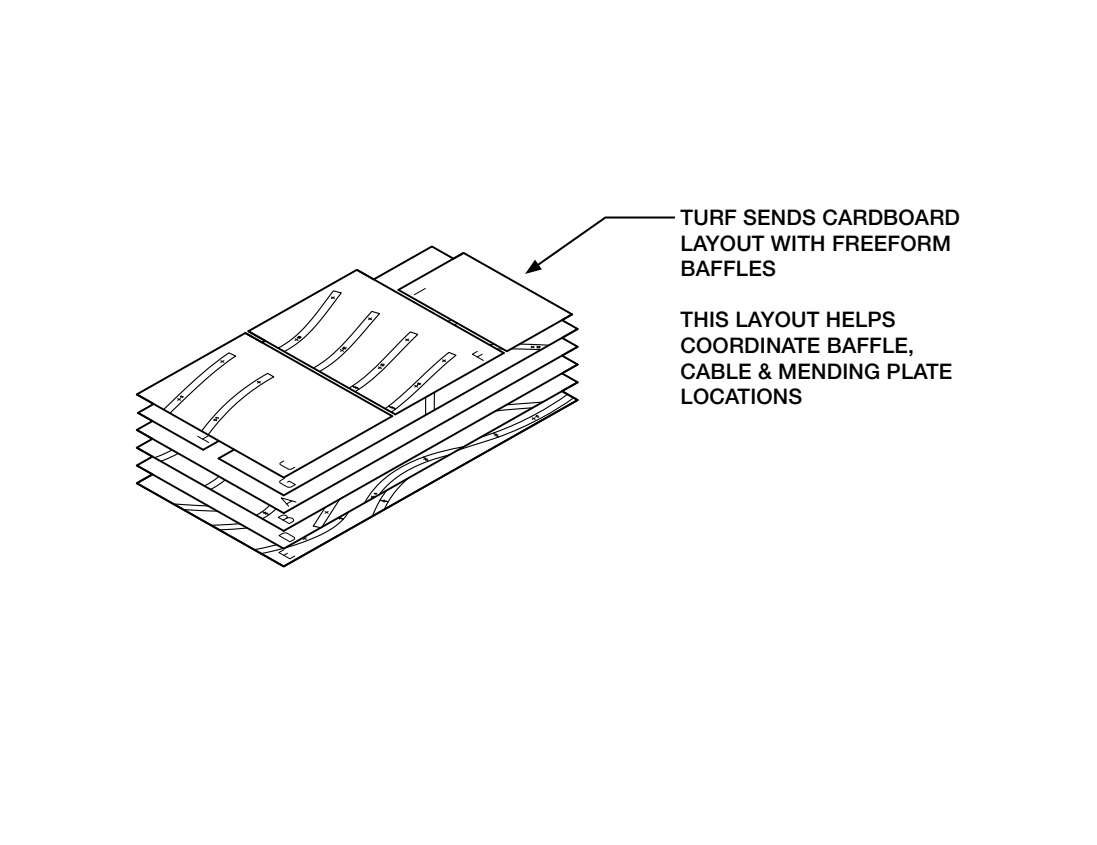
These templates show the outline of the baffles, freeform tag and cable locations to help installers mount baffles quickly and efficiently.

Reference Turf shop drawings for detailed information on how to install your freeform baffles.

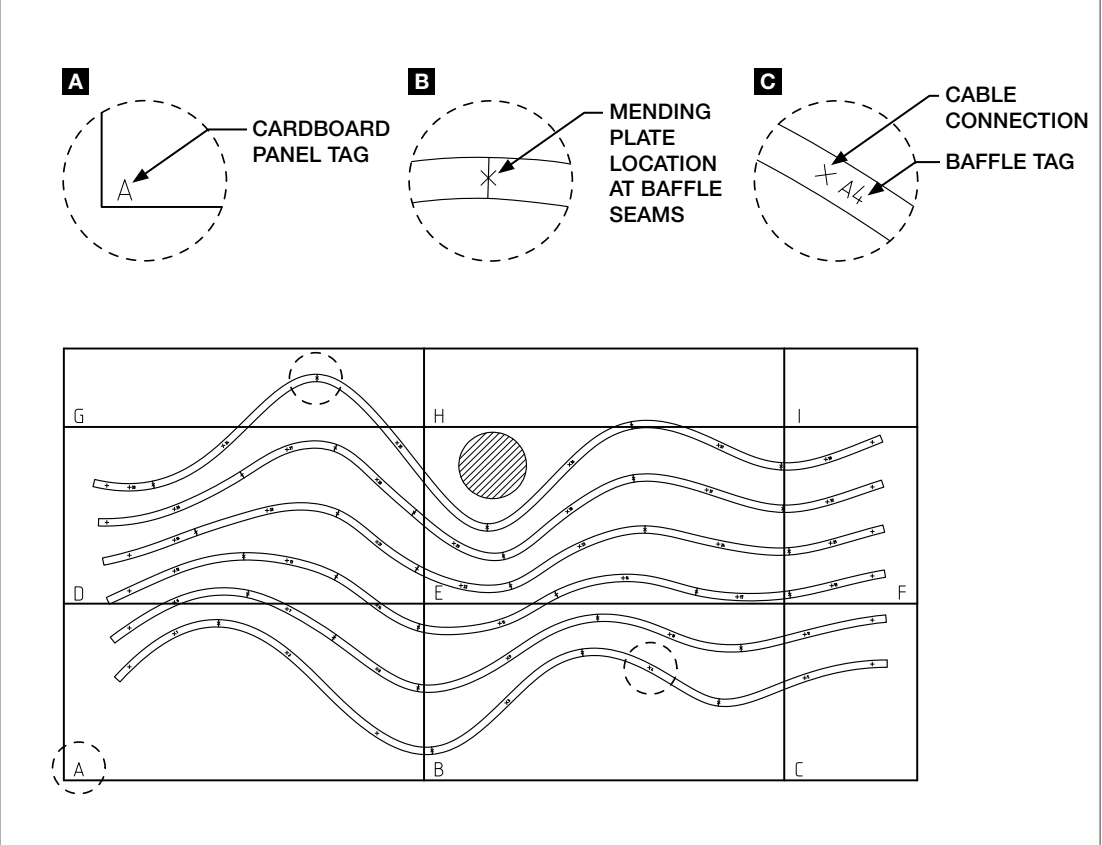
Tools Required



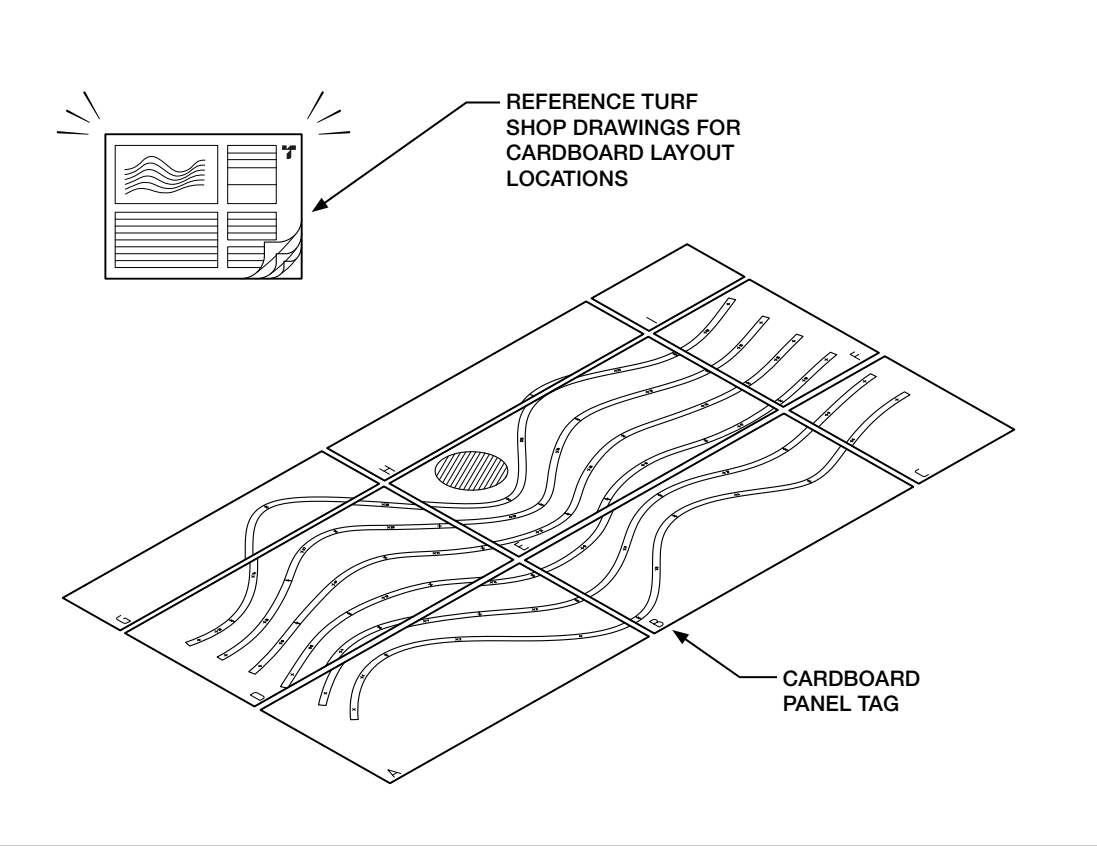
1 - CARDBOARD LAYOUT PROVIDED BY TURF



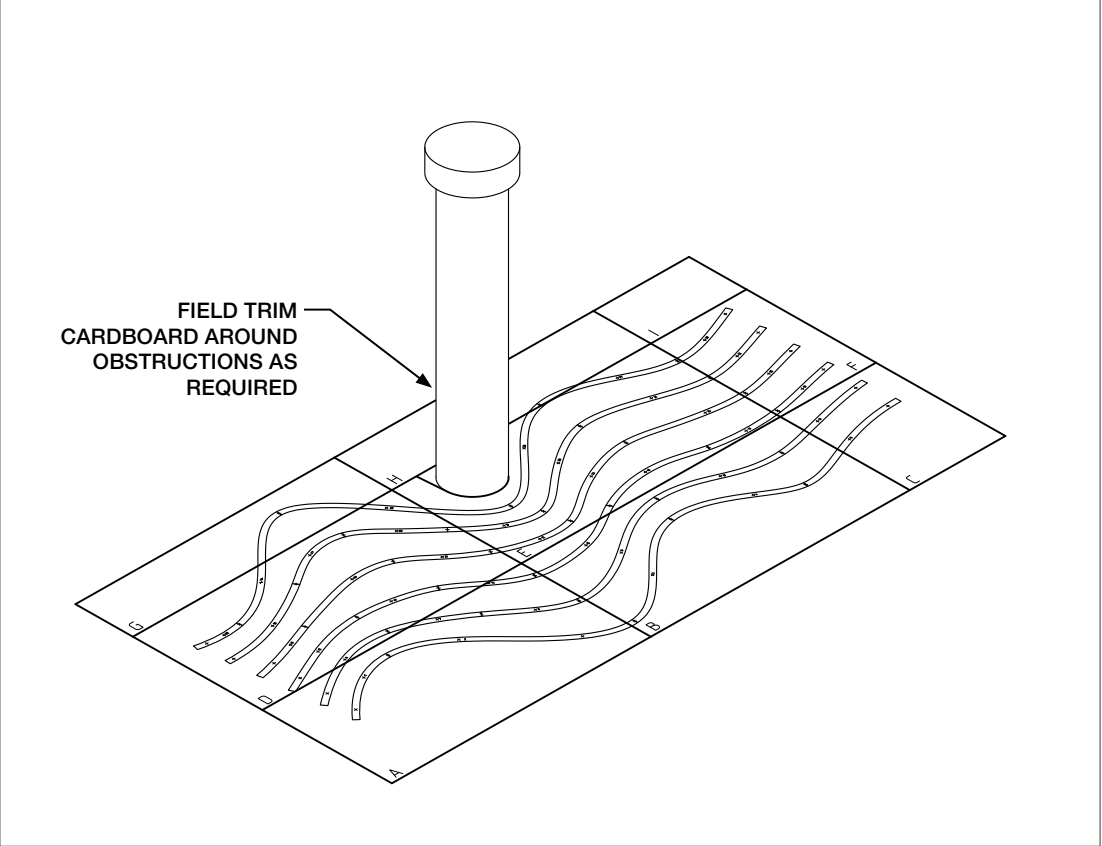
2 - CARDBOARD LAYOUT DETAILS



3 - UNPACK AND LAYOUT CARDBOARD



4 - FIELD TRIM AROUND OBSTRUCTIONS AS REQUIRED



Freeform Installation Guide - 2

Pick Points

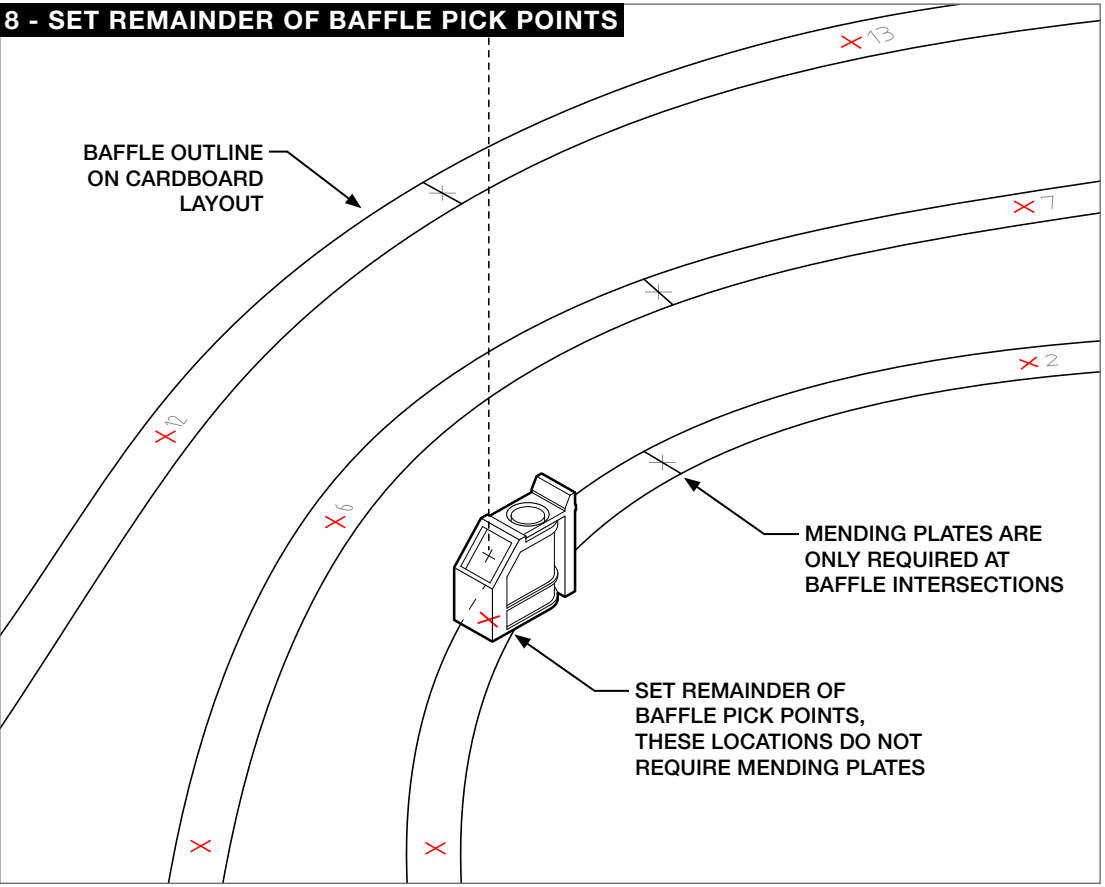
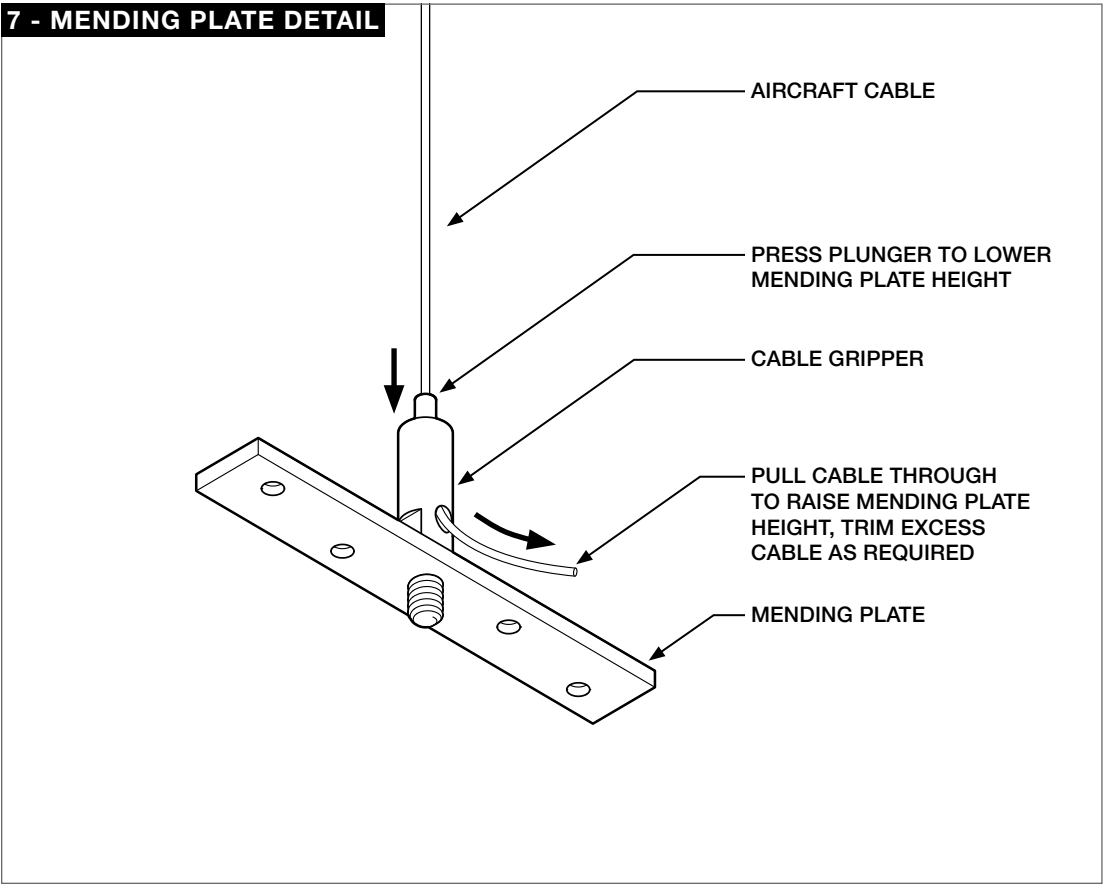
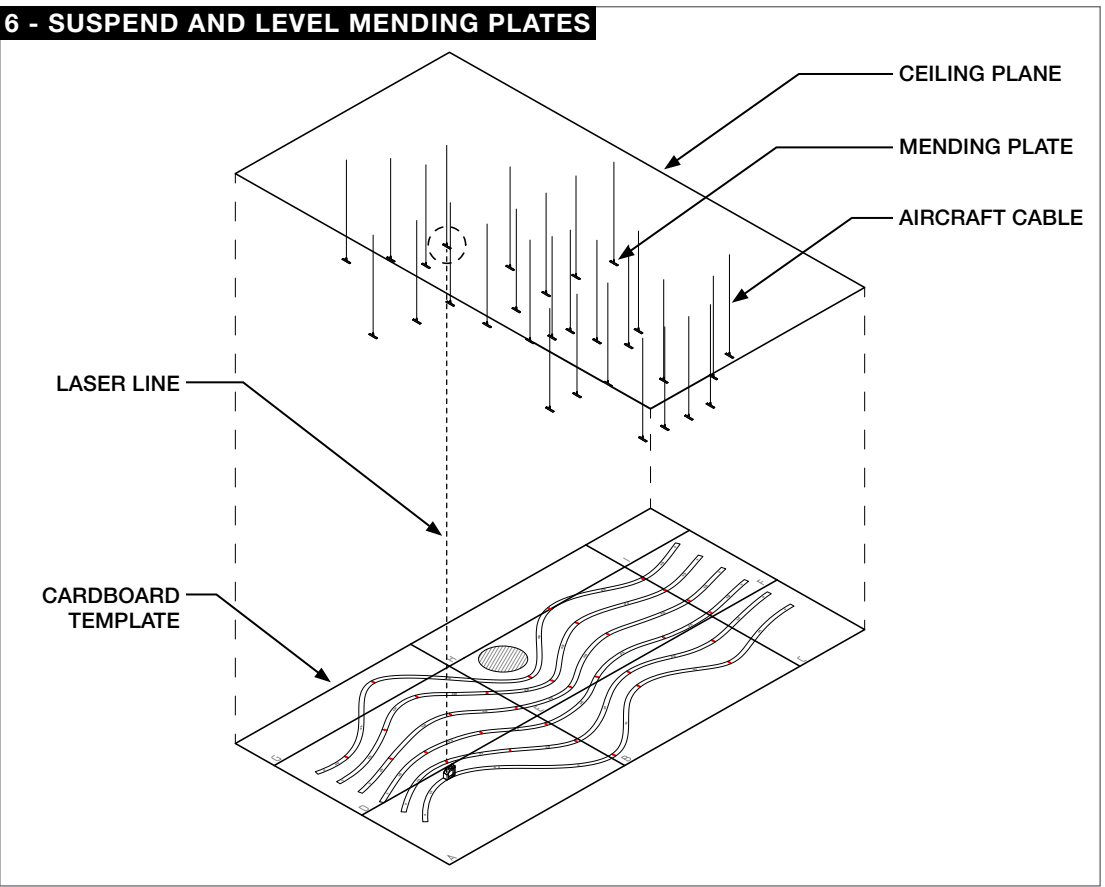
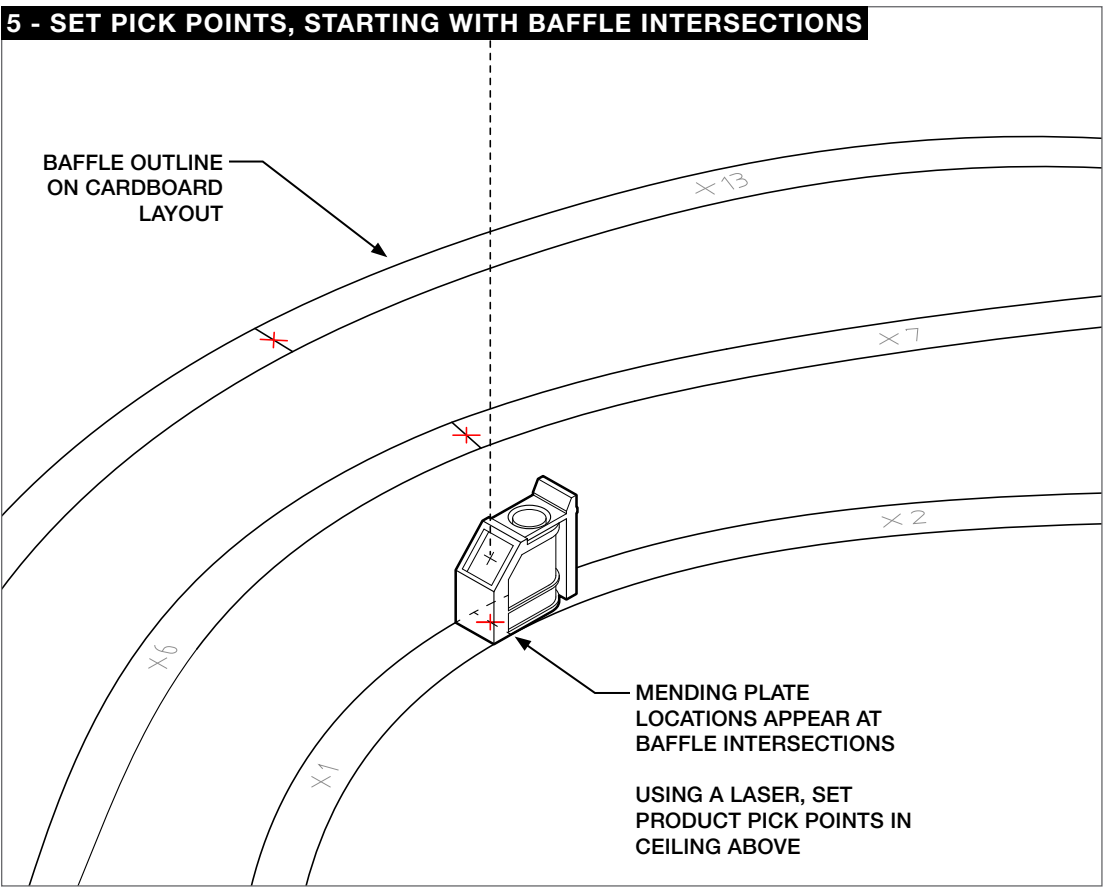
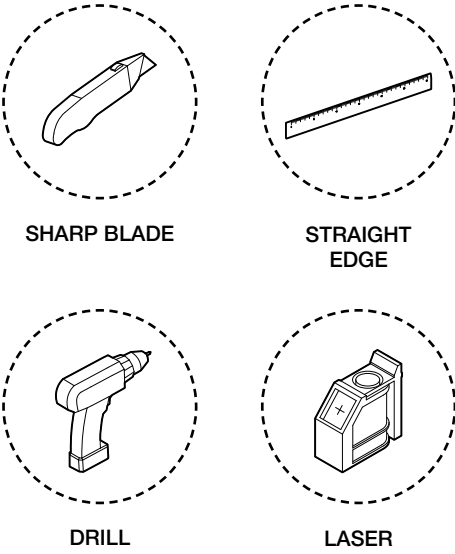
Once the cardboard template is installed in the space, place a laser on each individual connection point which will give you the correct location to mount the cable coupler to your ceiling. "X" marks the spot.

Mending Plates

The easiest way to start is setting the mending plate locations first. These appear on the cardboard template at baffle intersections.

Mending plates should all be hung and leveled at the correct location before continuing with installation.

Tools Required



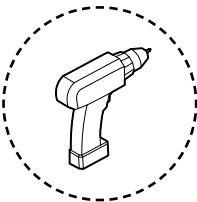
Freeform Installation Guide - 3

Felt Tenons

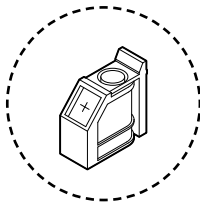
Turf supplies felt tenons, which ensure tight seams at baffle joints once installed.

Follow this simple guide for a quick and easy installation.

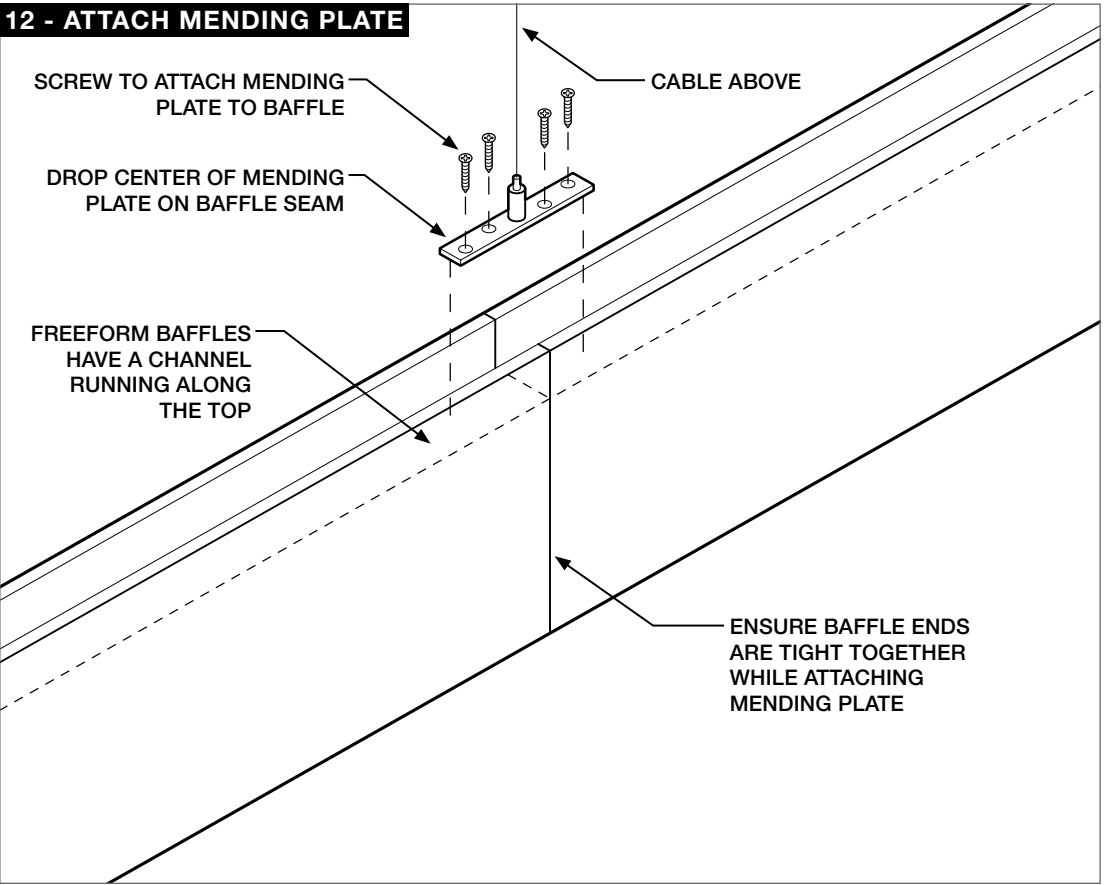
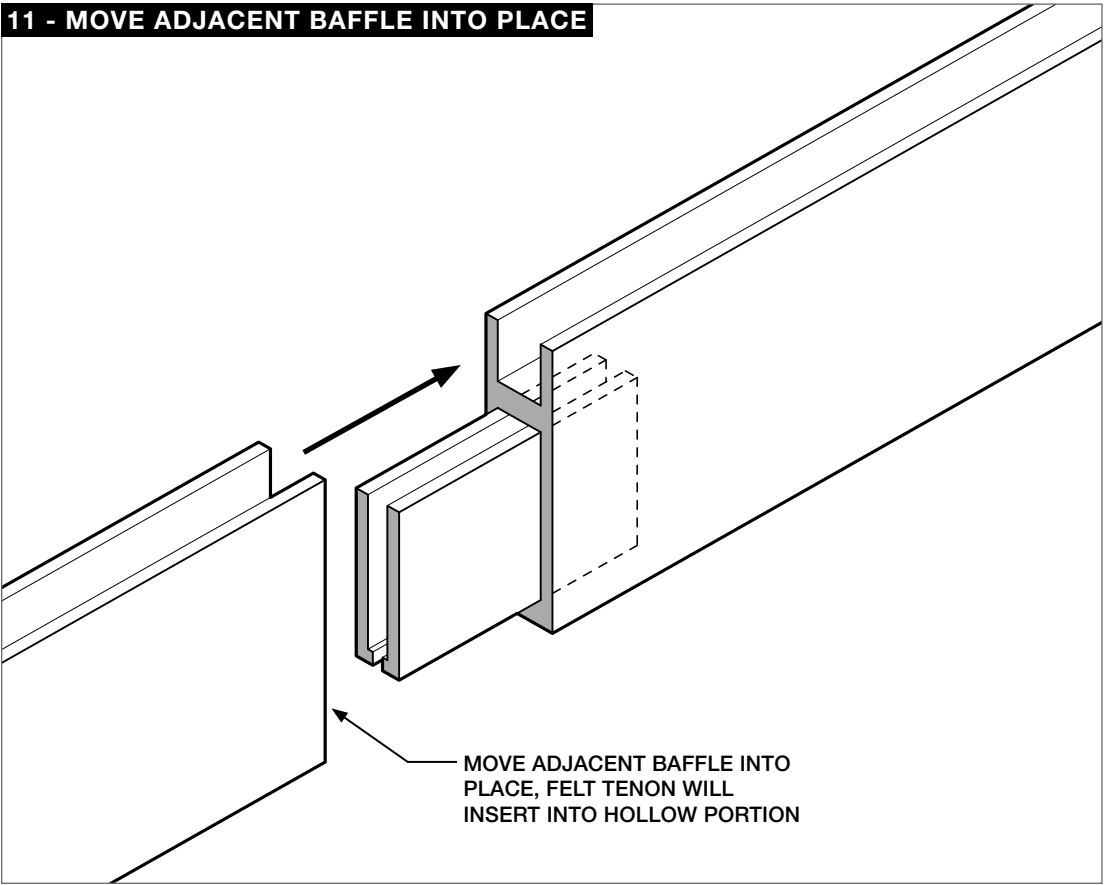
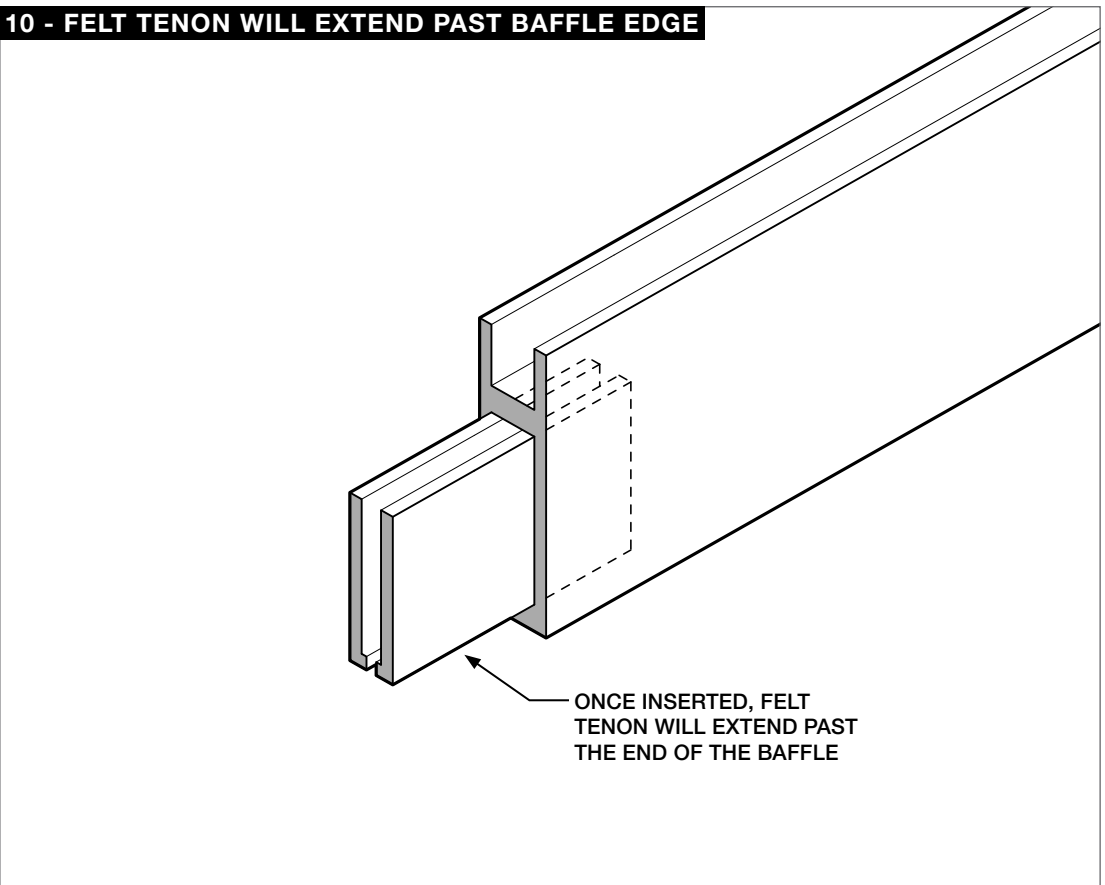
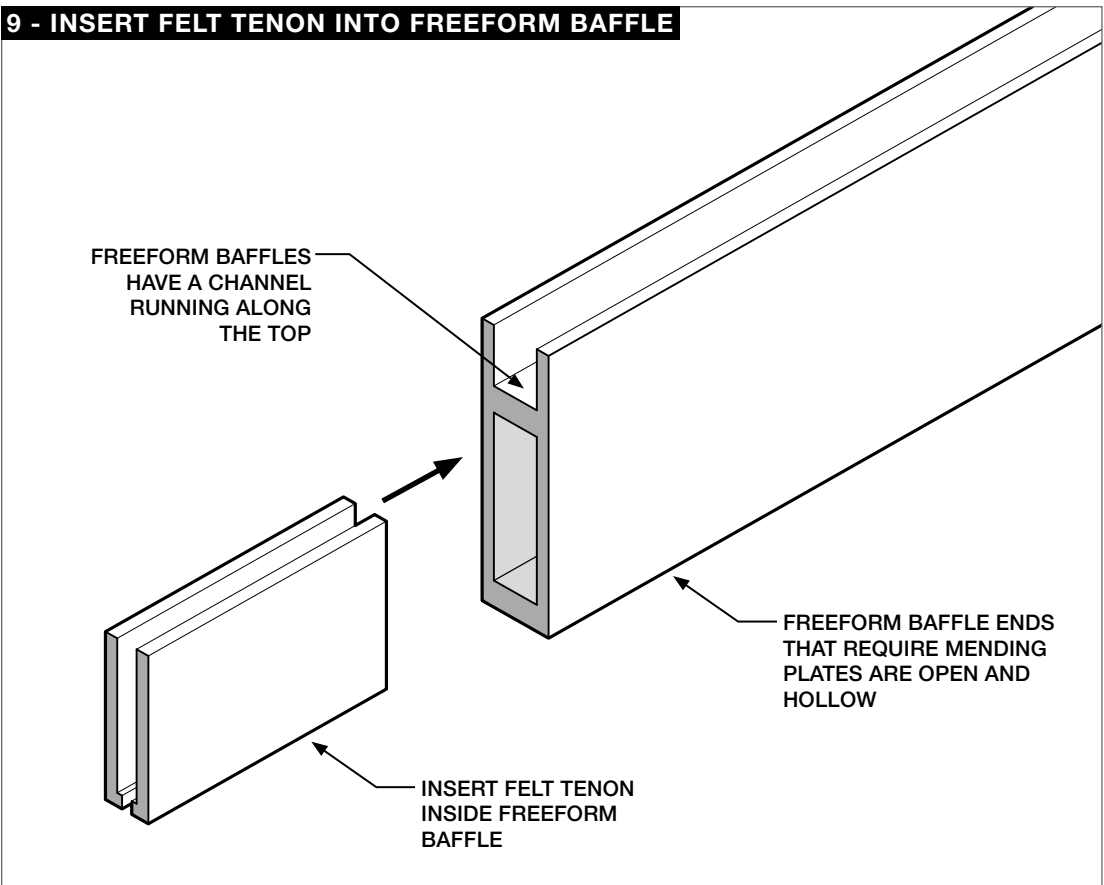
Tools Required



DRILL



LASER



Tech

Acoustics	ASTM C 423-17: Type J
Fire Rating	ASTM E-84 – Class A
VOC	ASTM D5116 Compliant

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.

Acoustic Rating

NRC = 0.75

An array of 16 sound absorbing baffles suspended by cables. Baffles were arranged in a typical array with endpoints spaced six inches apart.

Certifications



Photograph by Garrett Rowland



Photograph by Corey Gaffer Photography



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



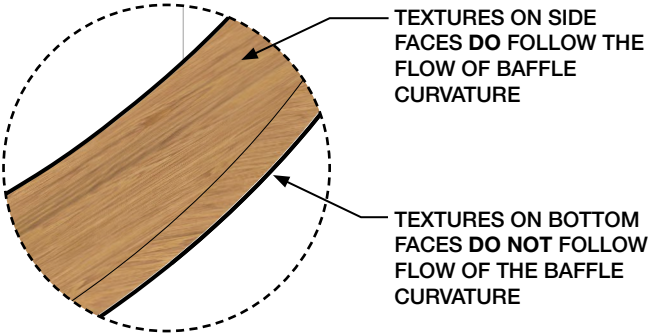
D08 BLACK PEAR

Curvature & Texture

Please note, due to our printing process, any texture on the bottom face of freeform baffles does not flow with the baffle curvature.

Reach out to our Turf team if you have any questions related to texture and your project.

Bottom Detail



9mm Stone Textures

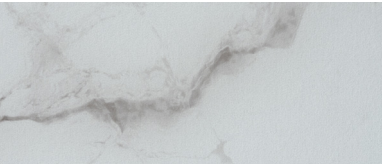
Inspired by nature, designed for felt. Our digitally printed Stone Textures capture the character and nuance of stone on top of a curated color collection from our Hues palette with virtually no repeats. The three patterns in this family each capture unique elements from the stones for which they are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

There is an additional product cost for Stone Textures.

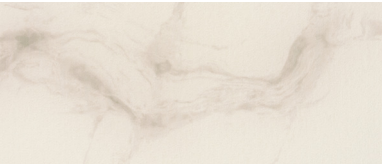
Turf has curated this collection to include only the best pattern and color combinations.

Felt Thickness
9mm +/-0.5 mm

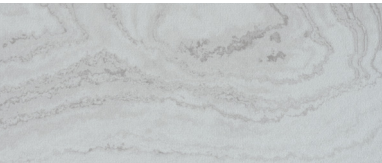
Monitors and printers vary. Please request a material sample to verify felt colors.



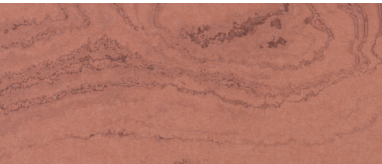
ST05 MARBLE



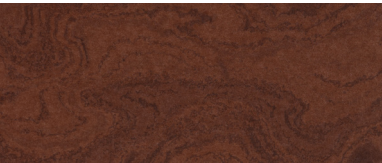
ST50 MARBLE



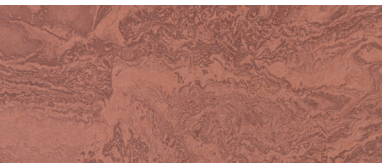
ST05 TRAVERTINE



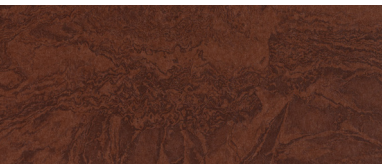
ST17 TRAVERTINE



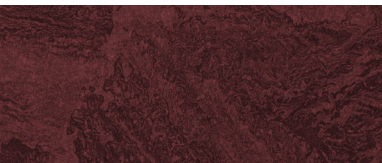
ST18 TRAVERTINE



ST17 GRANITE



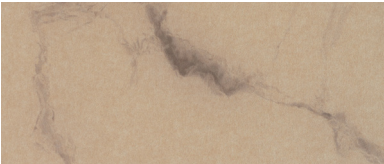
ST18 GRANITE



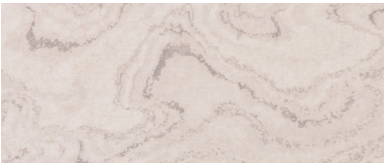
ST15 GRANITE



ST01 MARBLE



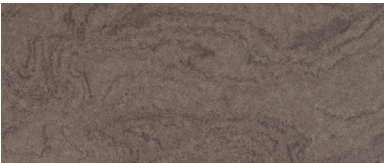
ST83 MARBLE



ST01 TRAVERTINE



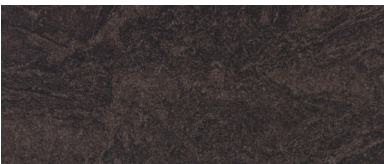
ST83 TRAVERTINE



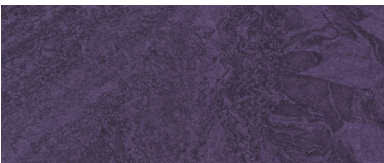
ST34 TRAVERTINE



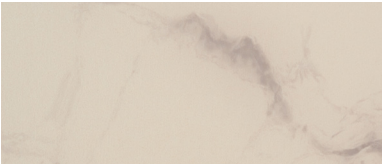
ST34 GRANITE



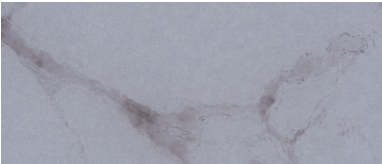
ST35 GRANITE



ST41 GRANITE



ST33 MARBLE



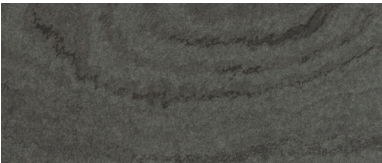
ST66 MARBLE



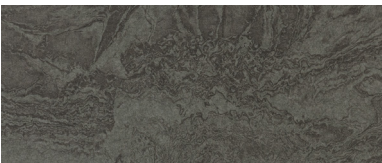
ST50 TRAVERTINE



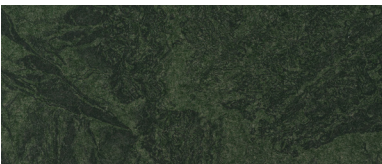
ST66 TRAVERTINE



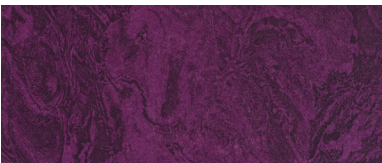
ST11 TRAVERTINE



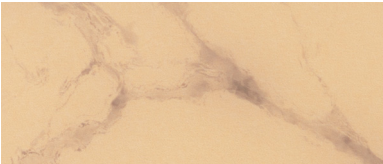
ST11 GRANITE



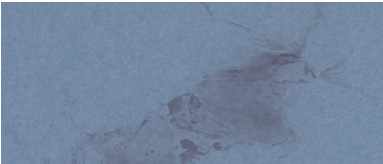
ST10 GRANITE



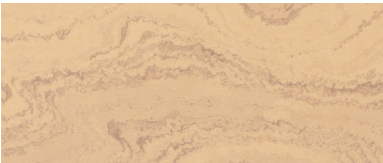
ST40 GRANITE



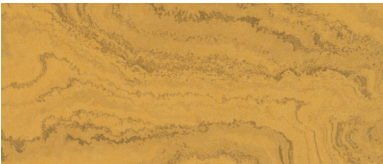
ST64 MARBLE



ST26 MARBLE



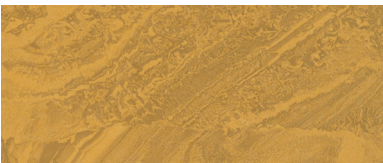
ST64 TRAVERTINE



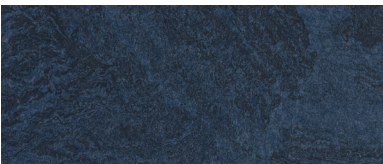
ST63 TRAVERTINE



ST26 TRAVERTINE



ST63 GRANITE



ST28 GRANITE

