Ceiling Scape

# Plaid

## Cross the threshold

A criss crossing sound container, taking a classic style to new aesthetic heights. Create an ambient standalone open system, or close the gap with a continuous tile cap. Highly flexible, let our automations help you assess different profiles. No matter the color, Plaid is evergreen.
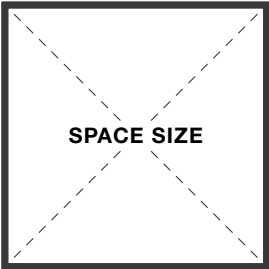


Image by The Right Exposure

**TURF**

# How To Specify

**Key Information**

Plaid responds to your environment and a couple of key choices. Consider these questions as you design your scape.
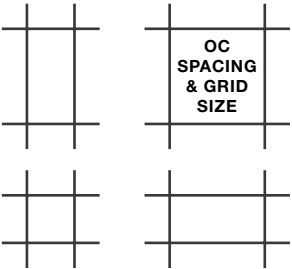
**1**

**SPACE SIZE**

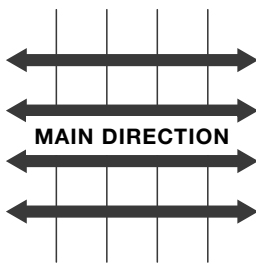What are the dimensions of your space?

**2**

**OC SPACING & GRID SIZE**

What is the on-center spacing of the grid? Are you using 15/16" or 9/16" tee grid?
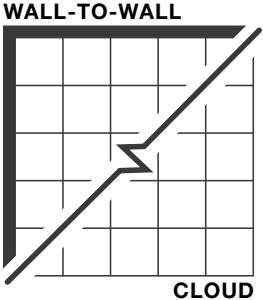
PAGE 3-4

**3**

**MAIN DIRECTION**

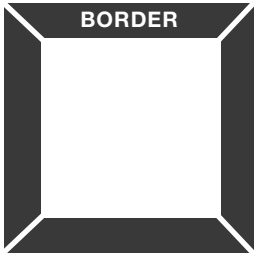Which direction does the main profile run?

PAGE 4

**4**

**WALL-TO-WALL**

**CLOUD**

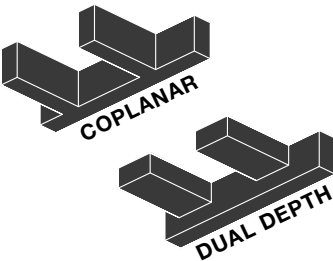Does the grid run wall-to-wall or does it float in space?

PAGE 4

**5**

**BORDER**

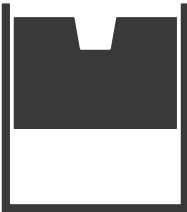Is there a border around the perimeter?

PAGE 4

**6**

**COPLANAR**

**DUAL DEPTH**

Will the baffles be Coplanar or Dual Depth?

PAGE 5

**7**

**MAIN BAFFLES**

What are the dimensions of the Main baffles?
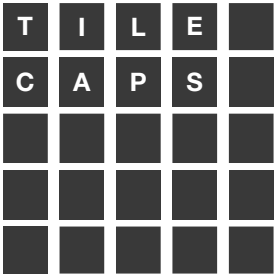
PAGE 5-6

**8**

**SECONDARY BAFFLES**

What are the dimensions of the Secondary baffles?

PAGE 5-6

**9**

**T I L E**
**C A P S**

Do you need tile caps? If so, what style?

PAGE 7

**10**

**COLOR**

What is the color or texture? Are the mains and secondaries different colors?

PAGE 11-13

# Dimensions

| Components | See our Key Components page for detailed dimensions. |

| Small Range Profile | P ≤ 12″ |

| Medium Range Profile | 12″ < P ≤ 16″ |

| Large Range Profile | 16″ < P ≤ 24″ |

See our Profile Options page for more details.
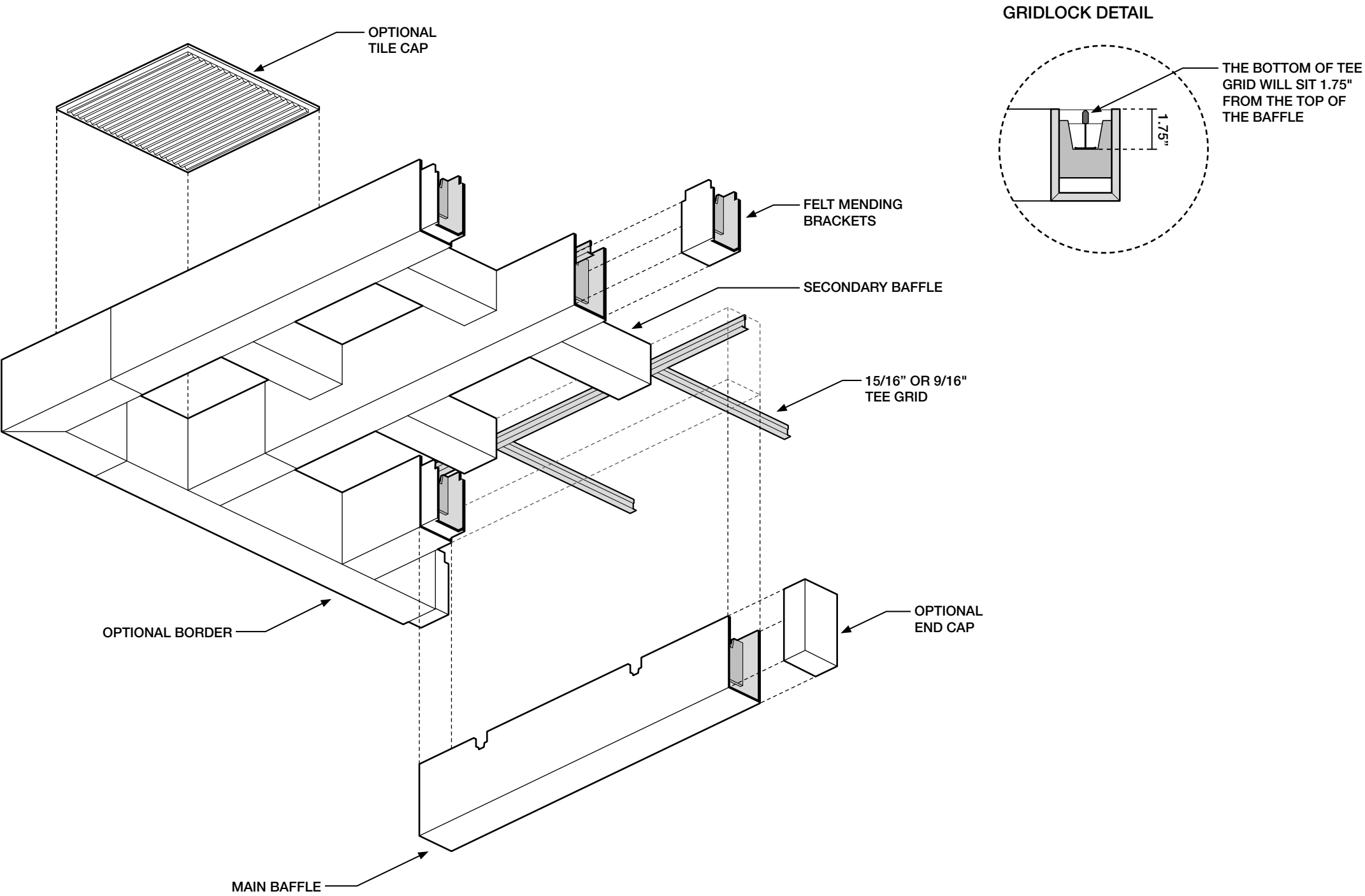
# Connection

| 15/16" or 9/16" Tee Grid | GridLock |

See our Typical Layout Options page for more details.

# Color

| 9mm Palette | Any of our 9mm felt colors and textures can be used for Plaid. |

| Color Match | Don't see a color you like? Turf can match just about any color using our UV printing process. |

# Samples

| Size | Please note, samples for Plaid will ship 1/4" scale. |

OPTIONAL TILE CAP

FELT MENDING BRACKETS

SECONDARY BAFFLE

15/16" OR 9/16" TEE GRID

OPTIONAL BORDER

OPTIONAL END CAP

MAIN BAFFLE

**GRIDLOCK DETAIL**

THE BOTTOM OF TEE GRID WILL SIT 1.75" FROM THE TOP OF THE BAFFLE

1.75"

**ALL DIMENSIONS NOMINAL UNLESS NOTED OTHERWISE**

# Typical Layout Options

**Open Edge**

Layouts without a border use an end cap to create a finished look.
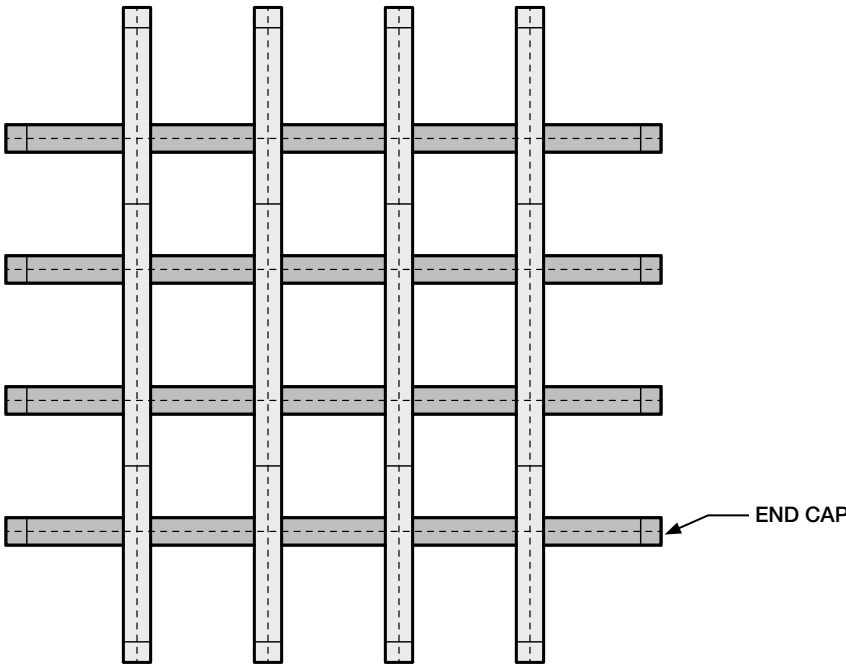
**Border**

Define the boundaries of your space with a border that matches the dimensions of your main baffle profile.
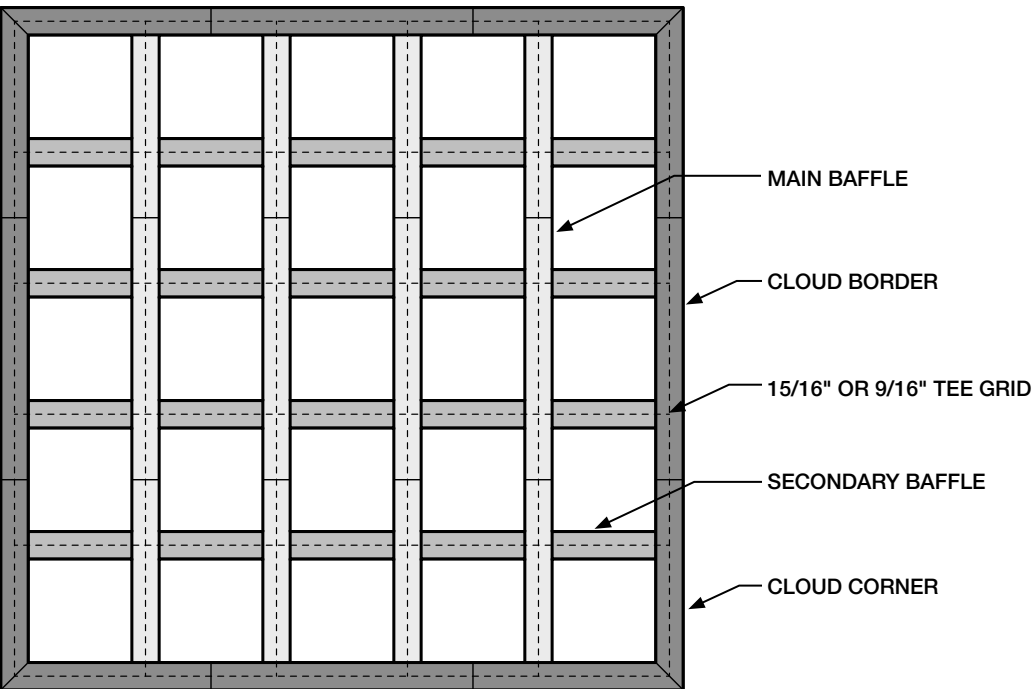
**On Center Grid Spacing**

A standard 15/16" or 9/16" tee grid is required — it can be laid out in any one of the following configurations.

24"W x 24"L
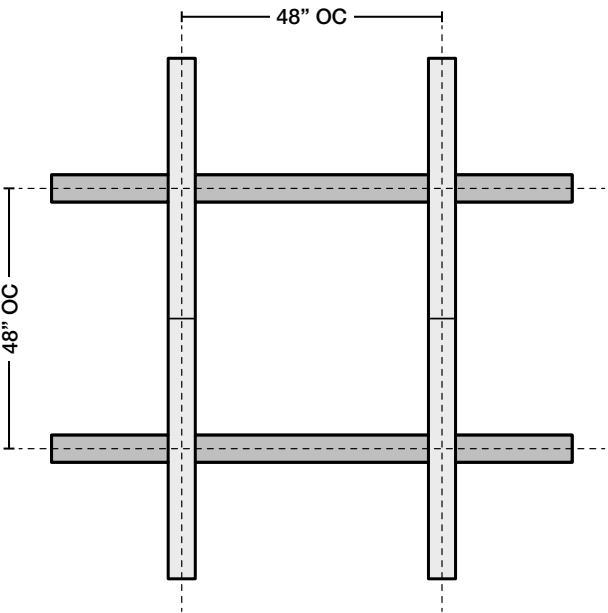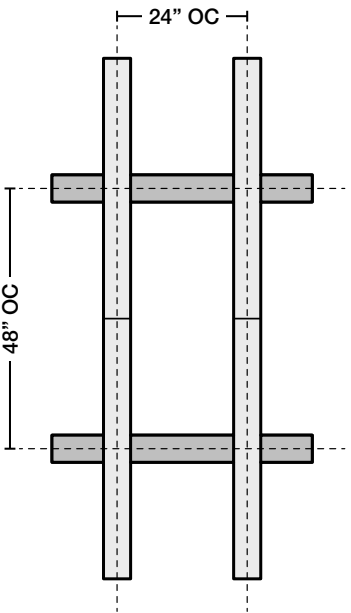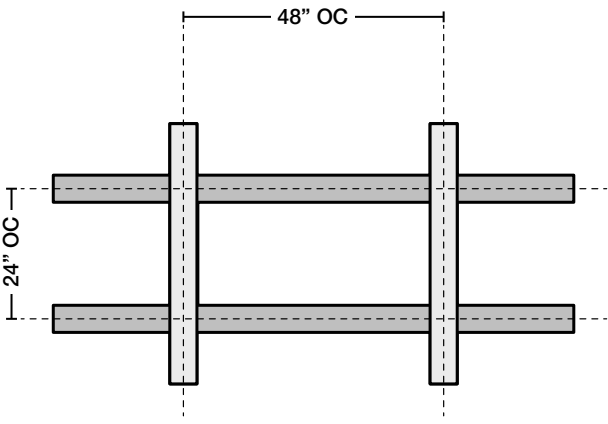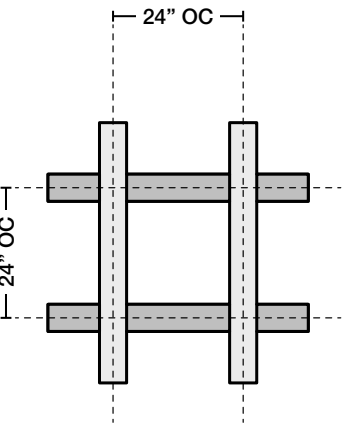48"W x 24"L
24"W x 48"L
48"W x 48"L

**OPEN EDGE**

END CAP

**BORDER**

MAIN BAFFLE

CLOUD BORDER

15/16" OR 9/16" TEE GRID

SECONDARY BAFFLE

CLOUD CORNER

**OC SPACING OPTIONS**

24" OC

24" OC

48" OC

24" OC

24" OC

48" OC

24" OC

48" OC

48" OC

48" OC

# Coplanar vs Dual Depth

**Mains & Secondaries**

Plaid can be specified with continuous depth across the entire system, or the Mains and Secondaries can have varying dimensions giving the system multiple depths.
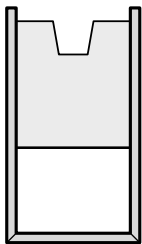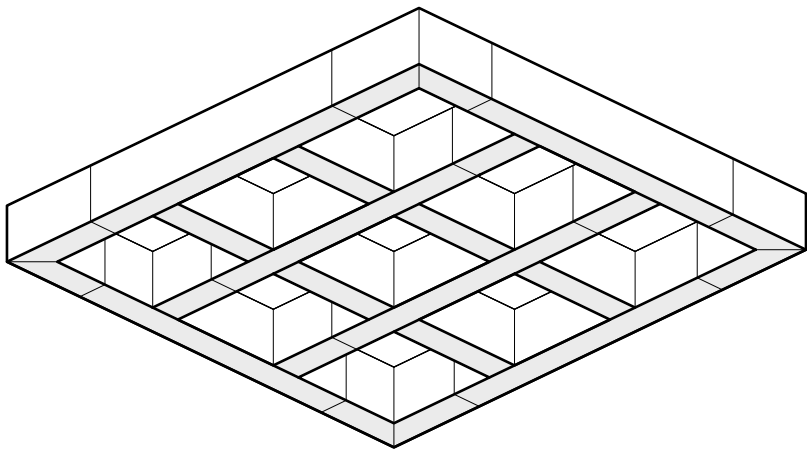
**Coplanar**

This option creates a uniform look across the ceiling, using the same depth across both Mains and Secondaries.

**Dual Depth**

Create a dynamic look where Plaid has varying depth between the Mains and Secondaries.
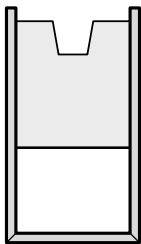
Please let the Turf team know about the desired width and depth combinations, one for the Mains and another for the Secondaries.
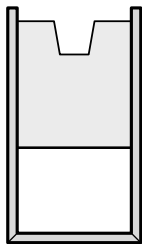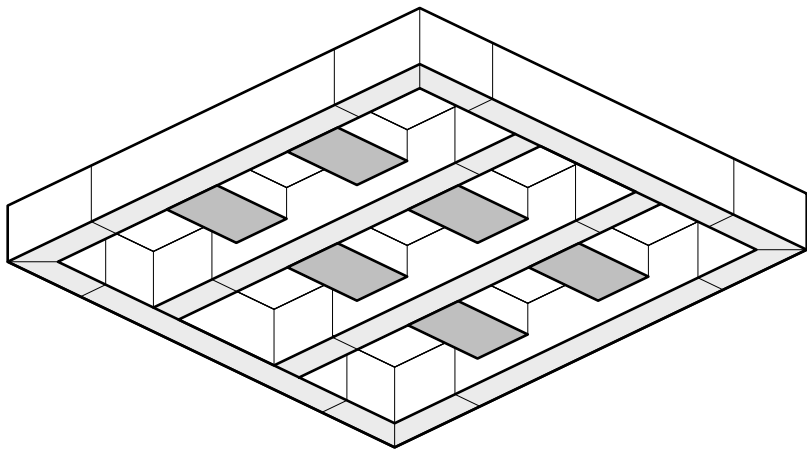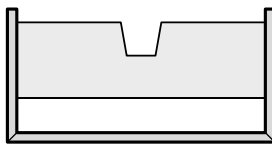
**COPLANAR**



MAIN
DEPTH

=

SECONDARY
DEPTH

**DUAL DEPTH**



MAIN
DEPTH

≠

SECONDARY
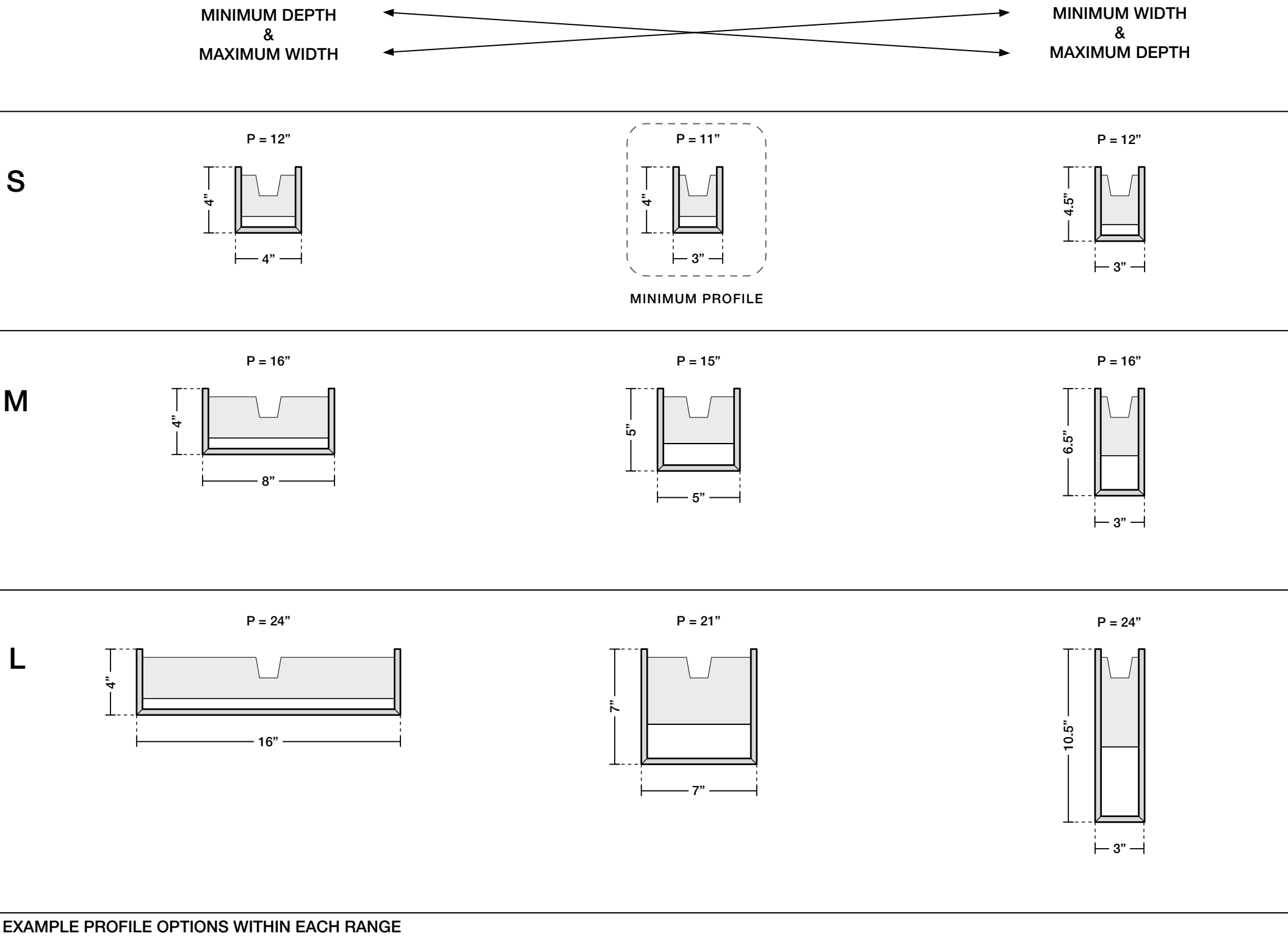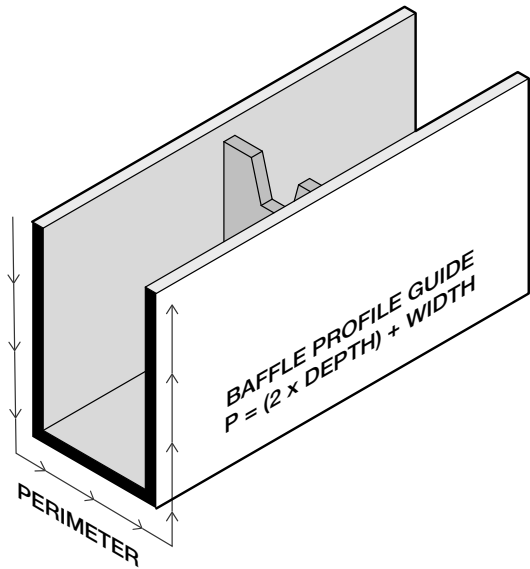DEPTH

## Profile Options

**Profile Perimeter**

Plaid is designed with a range of profile sizes that optimize the use of materials.

Based on the perimeter of the desired section, there are three size tier options.

P = Baffle Perimeter
P = (2 x Depth) + Width

**Minimum Profile**        3"W x 4"D

**Small Range Profile**        P ≤ 12"

**Medium Range Profile**        12" < P ≤ 16"

**Large Range Profile**        16" < P ≤ 24"

BAFFLE PROFILE GUIDE
P = (2 x DEPTH) + WIDTH

PERIMETER

MINIMUM DEPTH
&
MAXIMUM WIDTH

MINIMUM WIDTH
&
MAXIMUM DEPTH

**S**

P = 12"
4"
4"

P = 11"
4"
3"
MINIMUM PROFILE

P = 12"
4.5"
3"

**M**

P = 16"
4"
8"

P = 15"
5"
5"

P = 16"
6.5"
3"

**L**

P = 24"
4"
16"

P = 21"
7"
7"

P = 24"
10.5"
3"

**EXAMPLE PROFILE OPTIONS WITHIN EACH RANGE**

**ALL DIMENSIONS NOMINAL UNLESS NOTED OTHERWISE**
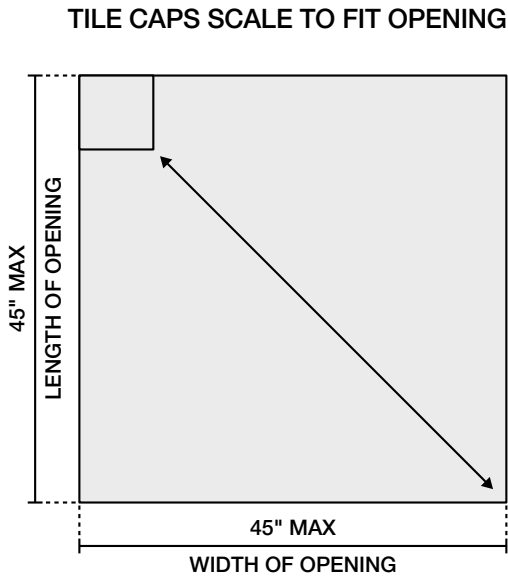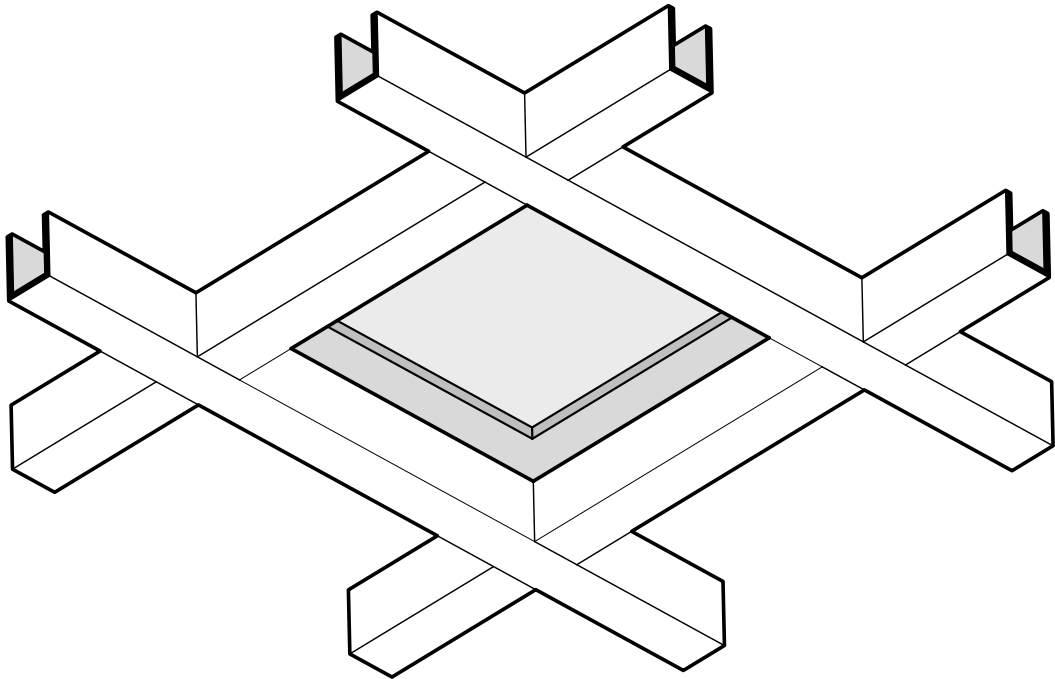
# Optional Tile Caps

**Optional Cap**

An optional cap adds a coffered look to Plaid.

**Enclosed Edge**

Please note, tile caps can only be installed in areas of Plaid that are enclosed on all four sides by baffles.

**Variety**

Our four standard cap options are listed below.

Looking for a custom cap? Reach out to our team and we'll create something made just for you!

**TILE CAPS SCALE TO FIT OPENING**

45" MAX — LENGTH OF OPENING
45" MAX — WIDTH OF OPENING

PRIMARY COLOR
SECONDARY COLOR

SECONDARY COLOR
PRIMARY COLOR

**FLAT FILL**

9mm thickness
Available in all 9mm colors + textures

**SQUARE**

3"

18mm thickness
Available in all 9mm colors + two-tone

**MAZE**

18mm thickness
Available in all 9mm colors

**TUBULAR**

18mm thickness
Available in all 9mm colors

**CUSTOM**

18mm thickness
Available in all 9mm colors + two-tone
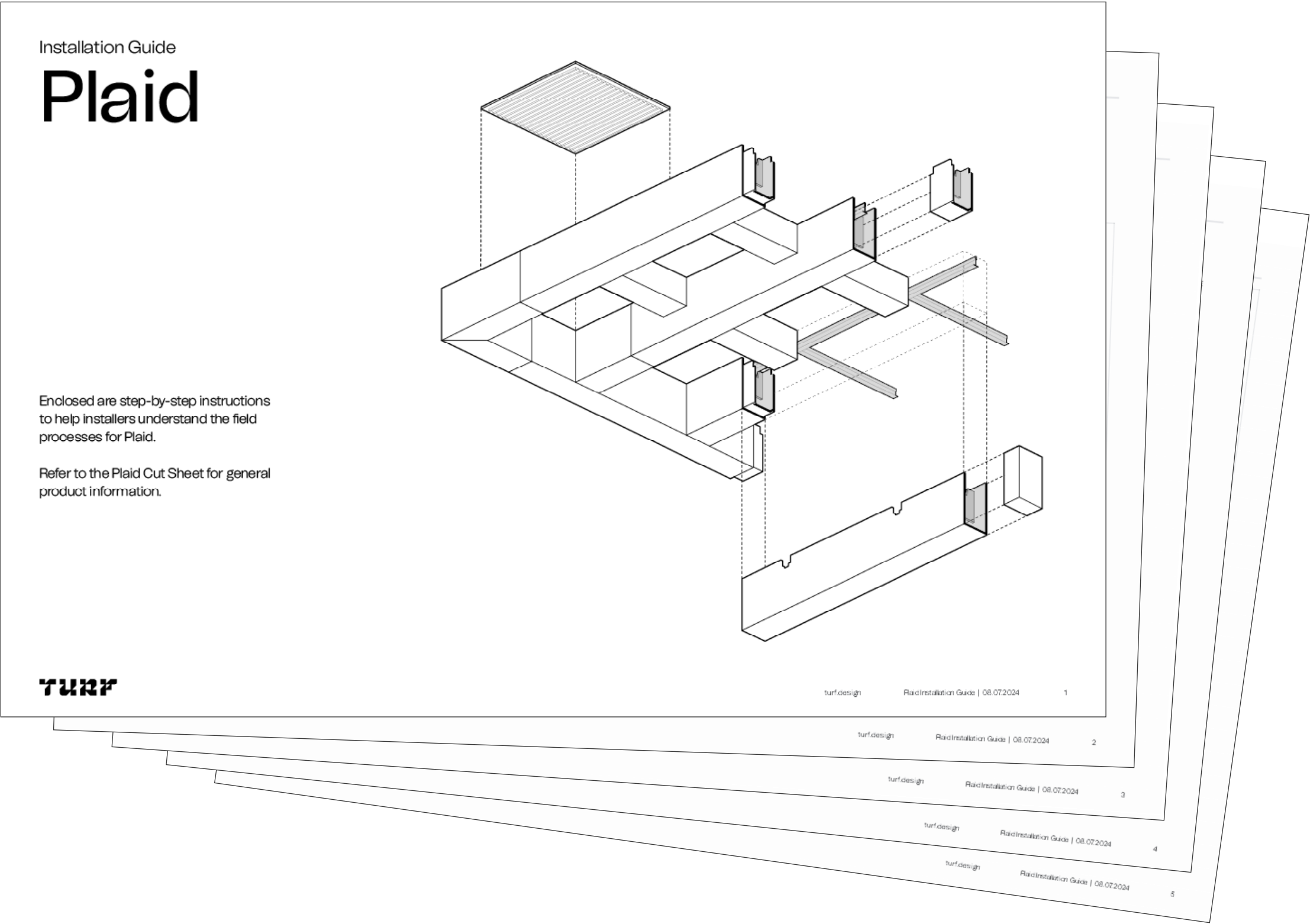
# Key Components

**Main Baffle**

48"L x MW x MD

Main baffles are the primary component of all Plaid layouts and will run perpendicular to Secondary baffles.

**Secondary Baffle**

(OC - MW) x SW x SD

Secondary baffles run perpendicular to Main baffles.

**Cloud Corner**

36"L x MW x MD

For Plaid layouts that float in space, cloud corners can work together with an optional border.

Cloud Corners will always be mitered.

**Cloud Border**

48"L x MW x MD

An optional border can be added for layouts that float in space.

**Wall Border**

120"L x MW x MD

An optional border can be added for wall-to-wall layouts.

**End Cap**

3"L x MW or SW x MD or SD

An optional end cap that creates a clean finish can be added to an Open Edge layout.
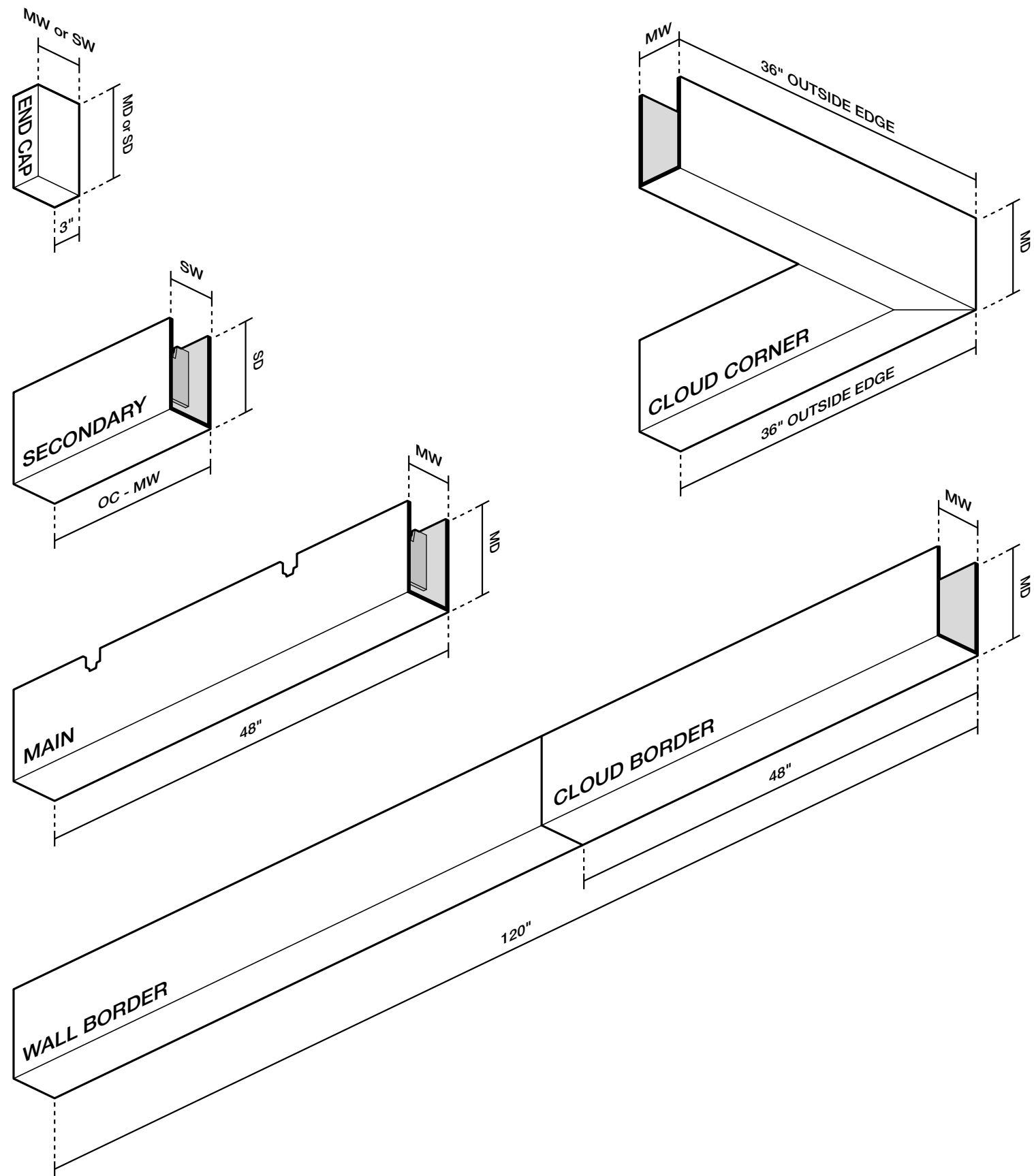
# Installation Guide

**Download**

Download the Plaid Installation Guide on the Turf website for complete installation instructions .

**Topics Covered in Guide**

Plaid connections

Tile cap installation

Cloud corner baffle assembly instructions

Cloud with border installation

Cloud with open edge installation

Wall-to-wall with border installation

Wall-to-wall with open edge installation

Adding additional connections to baffles

How to install fixtures between baffles



Installation Guide

# Plaid

Enclosed are step-by-step instructions to help installers understand the field processes for Plaid.

Refer to the Plaid Cut Sheet for general product information.

**TURF**

# Tech

| | |
|---|---|
| Acoustics | ASTM E795: E400 Mounting |
| Fire Rating | ASTM E-84 – Class A |
| VOC | ASTM D5116 Compliant |

## Acoustic Rating

| Baffle Type | (W x D) | OC Spacing | No Tile Caps | Tile Caps |
|---|---|---|---|---|
| Main | 3" x 10.5" | 24" x 24" | 0.85 | 0.95 |
| Secondary | 16" x 4" | | | |
| Main | 3" x 10.5" | 24" x 48" | 0.85 | 0.90 |
| Secondary | 16" x 4" | | | |
| Main | 3" x 10.5" | 48" x 24" | 0.70 | 0.80 |
| Secondary | 16" x 4" | | | |
| Main | 3" x 10.5" | 48" x 48" | 0.60 | 0.80 |
| Secondary | 16" x 4" | | | |

*Plaid NRC*

The table displaces information for a 8' x 8' apparatus using 15/16" tee grid at various OC spacing. The profiles used for each test include the deepest iteration possible as the Main and the widest iteration possible as the Secondary.

# 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

**Declare.**


Image by Imperfct*


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.

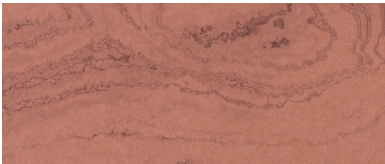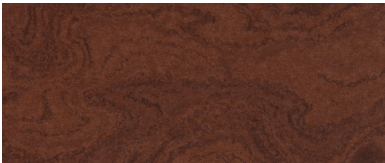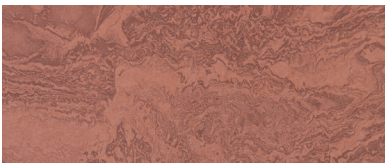10 TOPO GREEN    12 GRASSHOPPER    11 CELADON    63 SAFFLOWER    64 PLANTAIN    43 ORANGE CRUSH

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
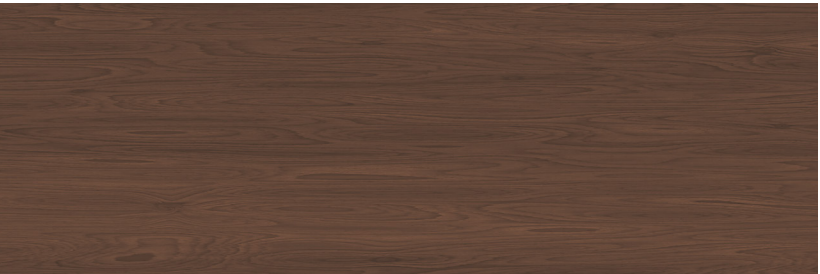


D07  DARK WALNUT
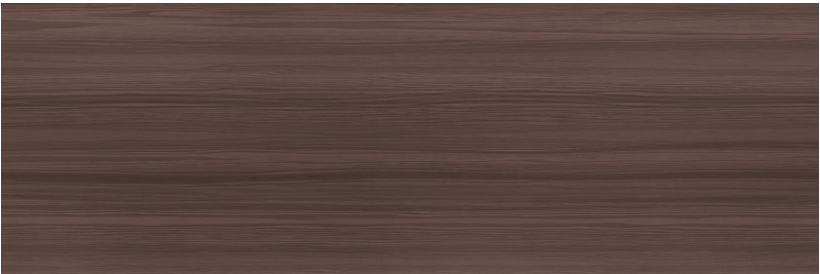


D08  BLACK PEAR

# 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
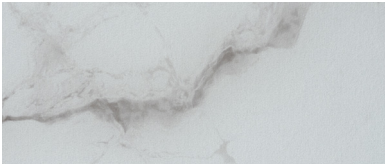

ST33 MARBLE


ST64 MARBLE
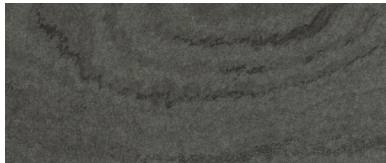

ST50 MARBLE


ST83 MARBLE
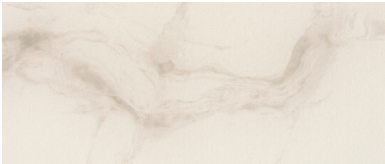

ST66 MARBLE


ST26 MARBLE
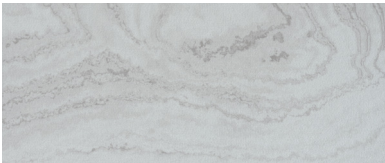

ST05 TRAVERTINE


ST01 TRAVERTINE


ST50 TRAVERTINE


ST64 TRAVERTINE


ST17 TRAVERTINE

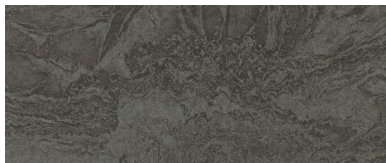
ST83 TRAVERTINE


ST66 TRAVERTINE
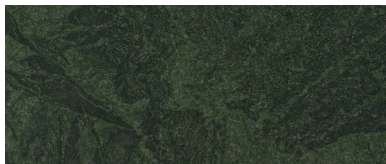

ST63 TRAVERTINE
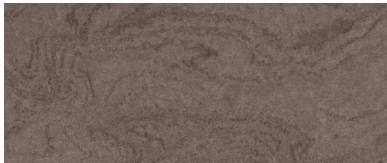

ST18 TRAVERTINE


ST34 TRAVERTINE


ST11 TRAVERTINE
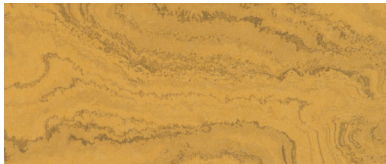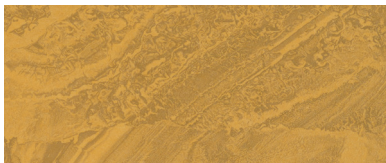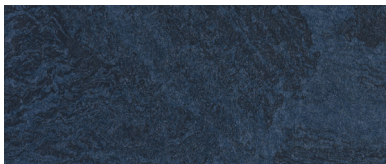

ST26 TRAVERTINE


ST17 GRANITE


ST34 GRANITE


ST11 GRANITE


ST63 GRANITE


ST18 GRANITE


ST35 GRANITE


ST10 GRANITE


ST28 GRANITE


ST15 GRANITE


ST41 GRANITE


ST40 GRANITE