

GRIGLIA

MUTO acoustic ceiling solutions

SOELBERG

GRIGLIA

MUTO acoustic ceiling solutions

Griglia makes bold ceiling design easier and more versatile than ever. Create striking suspended canopies with lightweight acoustic baffles that bring structure, dimension, and sound control to any interior. New enhancements include radius or square corner profiles, clean closed top caps, 4", 6", and 8" baffle depths, and new 24" x 24" cell sizes giving designers even greater creative freedom. Best of all, no T-grid is required, making installation as clean as the design itself.

SPECIFICATION

CONTENT	100% POLYESTER (PET) FELT		
CORE THICKNESS	1/2" (12MM)		
CELL SIZE	24" x 24" 42" x 42"	30" x 30" 48" x 48"	36" x 36"
BAFFLE DEPTH	4", 6", 8" OR COMBINED DEPTHS		
COLORWAYS	27 STOCK & 12 NON-STOCK COLORS 12 WOODED WOOD GRAIN PRINTS CUSTOMIZE WITH COLORE PRINT		
ACOUSTICS	N/A		
FIRE RATING	CLASS A ASTM - E84		
ENVIRONMENTAL	DECLARE, MINDFUL MATERIALS & GREENGUARD GOLD CERTIFIED. MUTO IS PRODUCED FROM 100% RECYCLABLE PET FELT WITH A MINIMUM OF 60% PRE-CONSUMER RECYCLED CONTENT.		
FINISH	MATTE		
APPLICATION	INDOOR USE ONLY		
LEAD TIME	2-4 WEEKS (STOCK COLOR & PRINT)		
WARRANTY	2 YEARS		



TOLERANCES & MAINTENANCE

PET core is a soft, fibrous material. All dimensions and squareness are subject to +/- 1/16" tolerance.

Vacuum to remove dirt and dust. Remove spills or spots immediately using a clean damp cloth. Carpet and fabric cleaners can also be used to clean. (Always test an inconspicuous area first.) Compressed air may be used to dust in difficult or hard-to-reach areas.

To disinfect, bleach can be used in accordance with CDC Cleaning & Disinfection instructions. The solution ratio is 5 tablespoons of bleach to 1 gallon of water | 4 teaspoons of bleach to 1 quart of water. Apply solution by spray and wipe off immediately. (Always test in an inconspicuous area first.)

HOW TO SPECIFY

It is easy to specify Griglia ceiling baffles with six simple steps.

1

SELECT WOOD GRAIN OR COLOR

Choose from 12 printed WOODED wood grains and 39 solid colors to create the look you want. For even greater design flexibility, COLORE Print allows us to custom print virtually any color.

2

CHOOSE CELL SIZE

Select the cell size that best fits the scale and design of your space. Griglia is available in 24", 30", 36", 42", and 48" square cell sizes.

3

SELECT BAFFLE DEPTH OR A COMBO

Choose from 4", 6", or 8" baffle depths, or combine multiple depths to add dimension and visual interest. When selecting a frame, the frame depth must be equal to or deeper than the baffles.

4

CHOOSE FRAMELESS OR FRAMED UNITS

Create a clean, open look with no frame and finished end caps, or add a finished frame around the Griglia system. Framed configurations are available with radius corners, square corners, or a combination of both.

5

SELECT OPEN OR CLOSED TOP

Choose open cells to reveal the ceiling and elements above, or closed cells for a more finished, continuous appearance. *Frameless arrays are standard without a top cap but can be customized for a closed installation.*

6

PROVIDE ARRAY AND QUANTITY

Griglia can be configured with just a few cells or an expansive array. Arrange cells in virtually any configuration and specify the quantity needed to create a ceiling solution tailored to your space.



COLOR (STOCK)

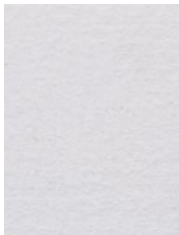
MATTE COLOR

27 STANDARD STOCKED COLORS
CUSTOM PRINT COLORS AVAILABLE
(CONTACT YOUR LOCAL SALES REP)
100% RECYCLABLE PET FELT

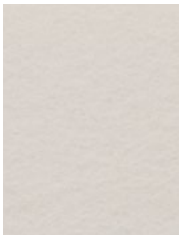
TOLERANCES

PET felt is made from 100% recyclable polyester plastic. Variation in depth will occur. Slight and consistent variations in color, density, and texture are inherent to this core material and should be expected. Color, density and texture will vary by dye lot. MUTO is made with a 'felting' process which results in a textural heathered effect where the fibers consist of multiple tones and shades.

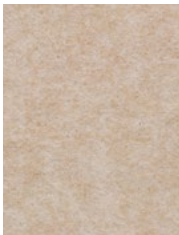
Please request physical samples as colors are represented differently with different computer monitors.



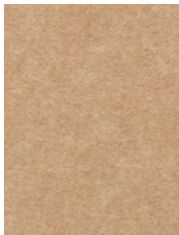
WHITE



BONE



OATMEAL



CAMEL



SAND



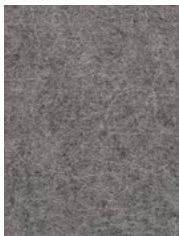
CASHMERE



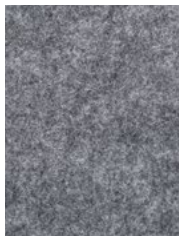
FOG



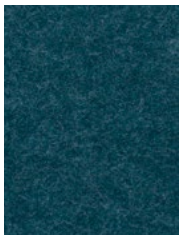
LAMB'S EAR



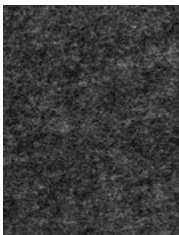
PEWTER



NORDIC KNIT



WINTER WATER



GRAPHITE



BLACK



MIDNIGHT



BLUEBERRY



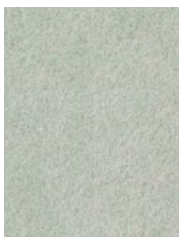
JUNIPER



SPLASH



STORM



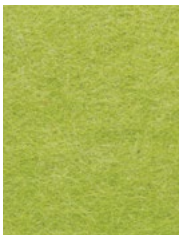
SEAFOAM



SAGE



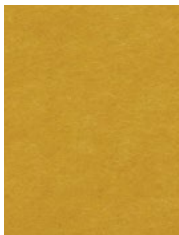
ARTICHOKE



LICHEN



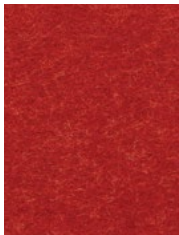
SUNSHINE



QUAKING ASPEN



CLEMENTINE



CHILI PEPPER



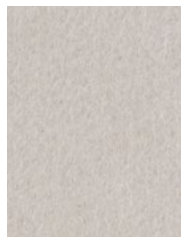
CURRANT

COLOR (NON-STOCK)

EXTENDED LEAD TIME

MATTE COLOR

12 STANDARD NON-STOCKED COLORS
CUSTOM PRINT COLORS AVAILABLE
(CONTACT YOUR LOCAL SALES REP)
100% RECYCLABLE PET FELT



LATTE



CITY GRAY



BONDI BLUE



MARINE

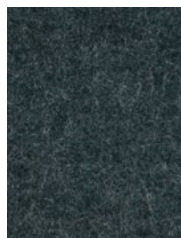


WASHED DENIM

TOLERANCES

PET felt is made from 100% recyclable polyester plastic. Variation in depth will occur. Slight and consistent variations in color, density, and texture are inherent to this core material and should be expected. Color, density and texture will vary by dye lot. MUTO is made with a 'felling' process which results in a textural heathered effect where the fibers consist of multiple tones and shades.

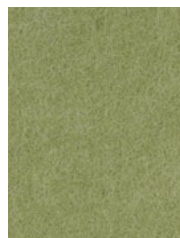
Please request physical samples as colors are represented differently with different computer monitors.



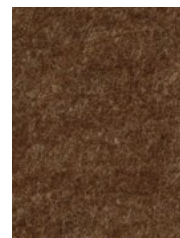
DEEP JUNGLE



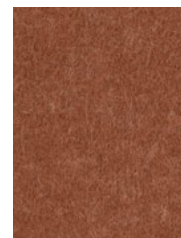
COLLARD GREEN



ASPARAGUS



PECAN



SIENA



RASPBERRY



PINK LEMONADE

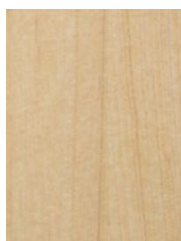
WOODED PRINT COLOR

MATTE FINISH

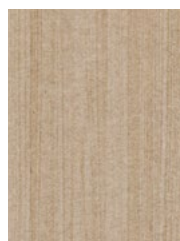
12 PRINTED WOODED GRAINS
1/2" CORE THICKNESS
100% RECYCLABLE PET FELT



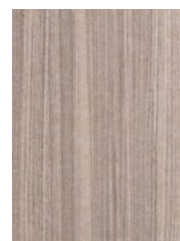
WHITE WASHED OAK



BLONDE MAPLE



NATURAL ASH



AGED ASH



SMOKED ASH

TOLERANCES

PET felt is made from 100% recyclable polyester plastic. Variation in depth will occur. Slight and consistent variations in color, density, and texture are inherent to this core material and should be expected. Color, density and texture will vary by dye lot. MUTO is made with a 'felling' process which results in a textural heathered effect where the fibers consist of multiple tones and shades.

Please request physical samples as colors are represented differently with different computer monitors.



AMBER ASH



WARM WALNUT



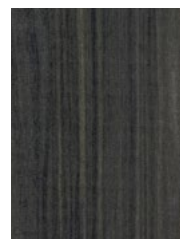
NATURAL WALNUT



BLACK WALNUT



WEATHERED PINE



CARBON WALNUT



CHARRED OAK

SIZE

CELL SIZE OPTIONS

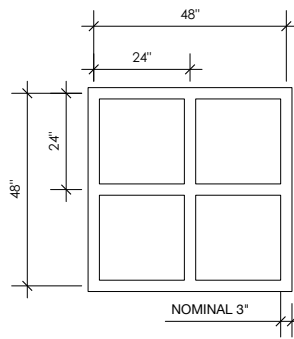
24" x 24" (ON CENTER SPACING)

30" x 30" (ON CENTER SPACING)

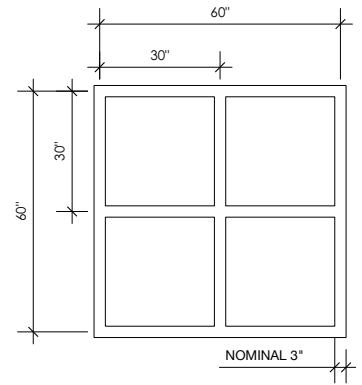
36" x 36" (ON CENTER SPACING)

42" x 42" (ON CENTER SPACING)

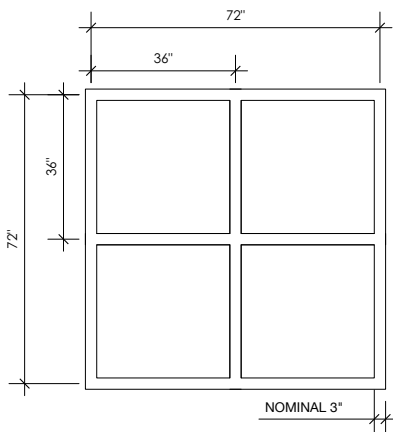
48" x 48" (ON CENTER SPACING)



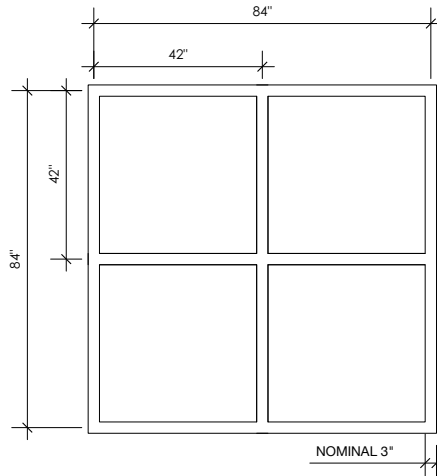
GRIGLIA (24) OC SPACING



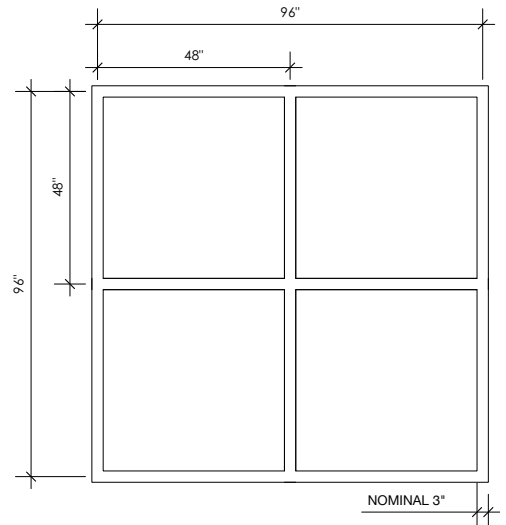
GRIGLIA (30) OC SPACING



GRIGLIA (36) OC SPACING



GRIGLIA (42) OC SPACING



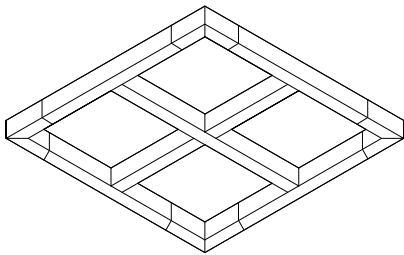
GRIGLIA (48) OC SPACING



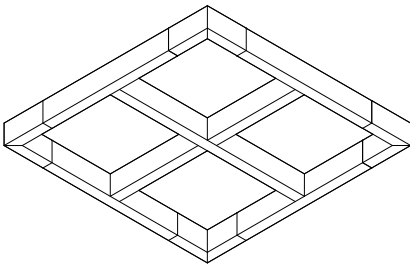
BAFFLE DEPTH

4", 6", 8" OR COMBINATION

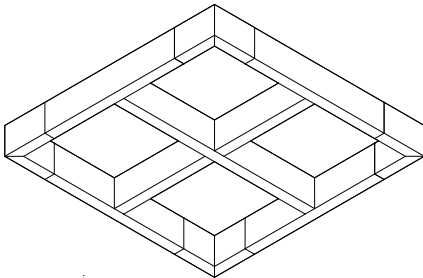
WHEN SELECTING A FRAME, THE FRAME DEPTH MUST BE EQUAL TO OR DEEPER THAN THE BAFFLES



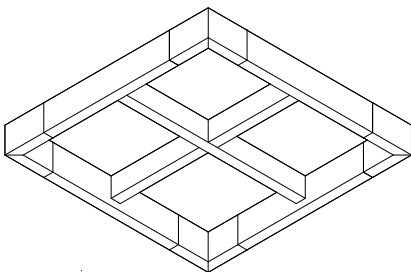
4" BAFFLE & FRAME DEPTH



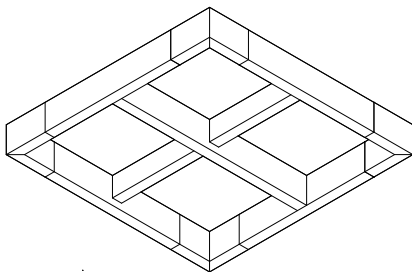
6" BAFFLE & FRAME DEPTH



8" BAFFLE & FRAME DEPTH



CONSISTENT BAFFLE DEPTH WITH DEEPER FRAME



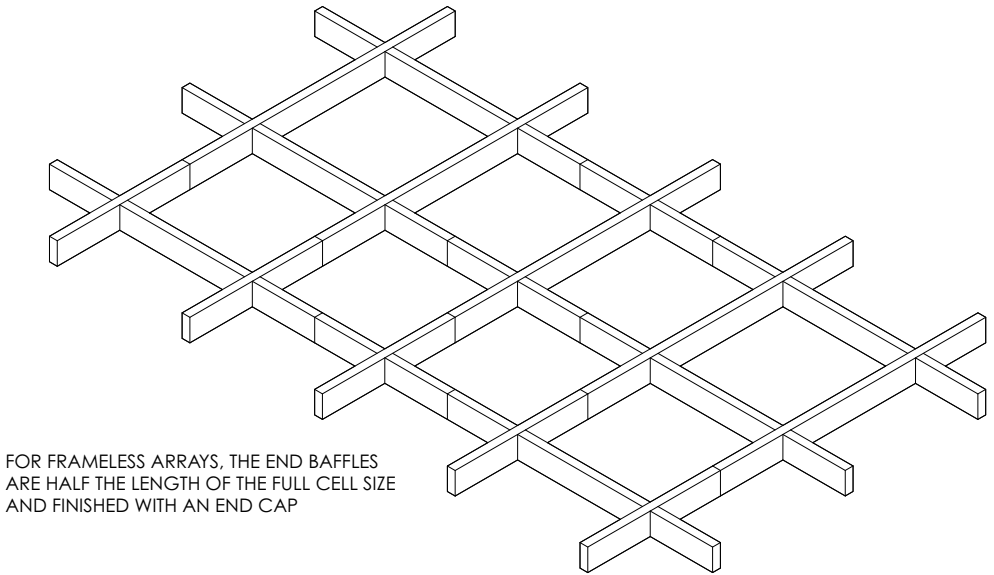
COMBINED BAFFLE DEPTH WITH DEEPER FRAME



FRAMELESS OR FRAMED

SQUARE OR RADIUS CORNERS

GRIGLIA IS AVAILABLE WITH NO FRAME AND END CAPS OR WITH A FRAME AND SQUARE OR RADIUS CORNERS.

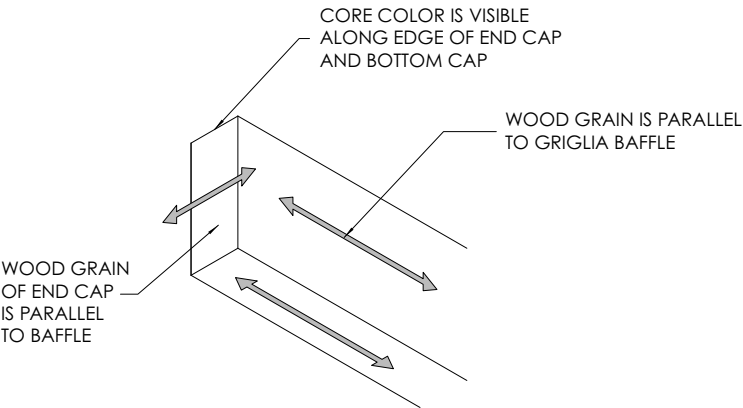


FOR FRAMELESS ARRAYS, THE END BAFFLES ARE HALF THE LENGTH OF THE FULL CELL SIZE AND FINISHED WITH AN END CAP

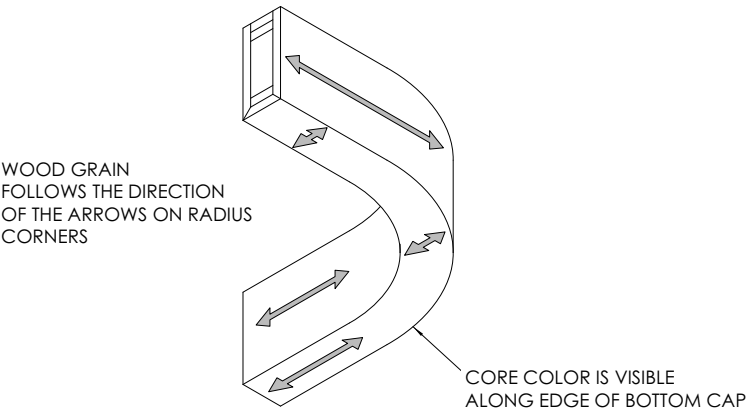
FRAMELESS GRIGLIA

WOODED PRINT DETAILS

WHEN GRIGLIA IS SPECIFIED WITH A WOOD GRAIN PRINT, THE GRAIN IS PARALLEL TO THE LENGTH OF THE BAFFLES. FOR FRAMELESS UNITS, THE END CAP GRAIN IS ALSO PARALLEL. FOR FRAMED GRIGLIA WITH A RADIUS CORNER, THE GRAIN RUNS AS ILLUSTRATED BELOW.



FRAMED GRIGLIA WITH SQUARE CORNERS



FRAMED GRIGLIA WITH RADIUS CORNERS

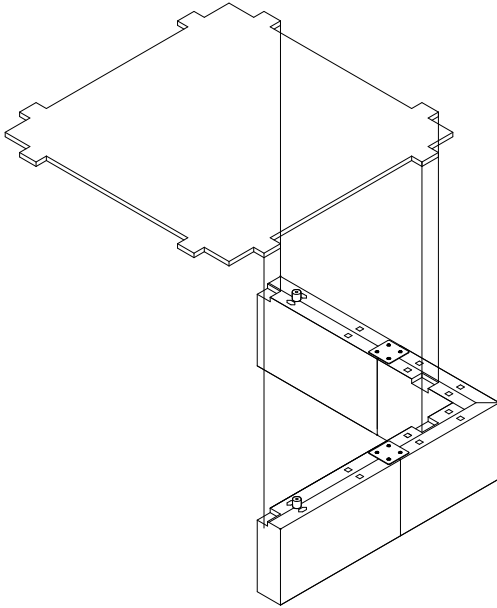
OPEN OR CLOSED CELLS

GRIGLIA WITH OR WITHOUT TOP CAPS

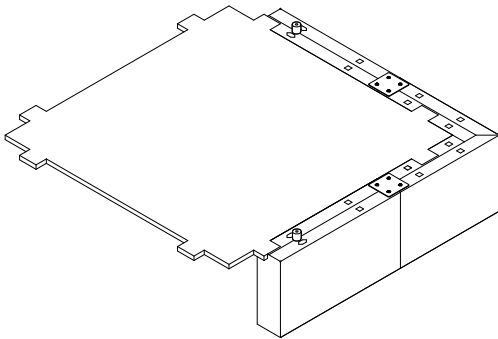
GRIGLIA IS AVAILABLE OPEN OR CLOSED WITH THE ADDITION OF TOP CAPS.

GRIGLIA SPECIFIED WITHOUT A FRAME HAS A STANDARD OPEN TOP BUT CAN BE CUSTOMIZED FOR A CLOSED INSTALLATION TO INCLUDE TOP CAPS.

TOP CAPS ARE EASILY INSTALLED BY FRICTION FIT BY INSERTING THE TABS ON ALL FOUR SIDES INTO THE GRIGLIA BAFFLES AND FRAME.



ATTACH TOP CAPS WITH TABS INTO SLOTS AFTER THE ENTIRE GRIGLIA ARRAY HAS BEEN INSTALLED AND LEVELED.

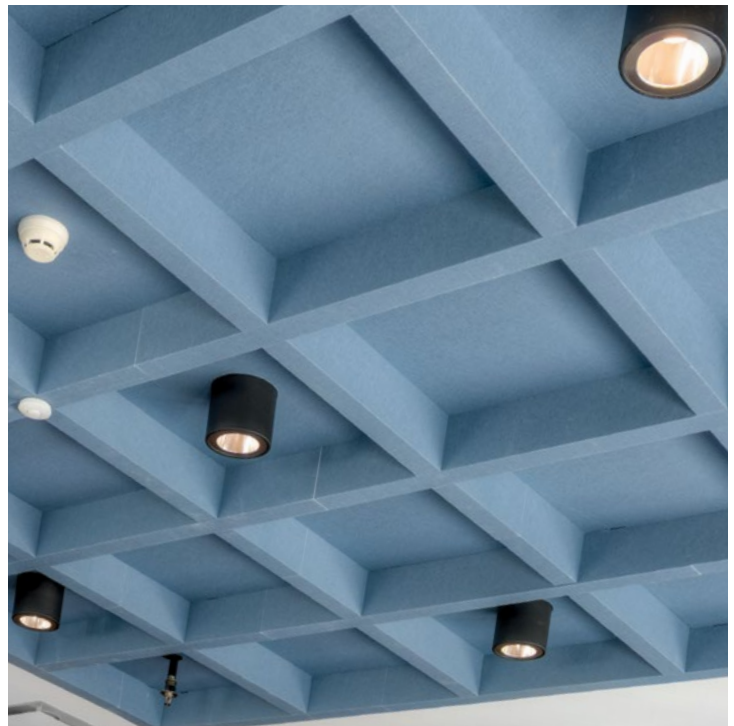


LIGHTING & FIXTURES

GRIGLIA CEILING BAFFLES ARE NOT DESIGNED OR ENGINEERED TO SUPPORT LIGHTING OR FIXTURES. ALL LIGHTING, MECHANICAL COMPONENTS, SIGNAGE, AND OTHER FIXTURES MUST BE INDEPENDENTLY SUPPORTED AND SECURED DIRECTLY TO THE BUILDING STRUCTURE USING AN APPROPRIATE SUPPORT SYSTEM. DO NOT ATTACH, SUSPEND, OR SUPPORT FIXTURES FROM GRIGLIA BAFFLES, FRAMES, OR SUSPENSION COMPONENTS.



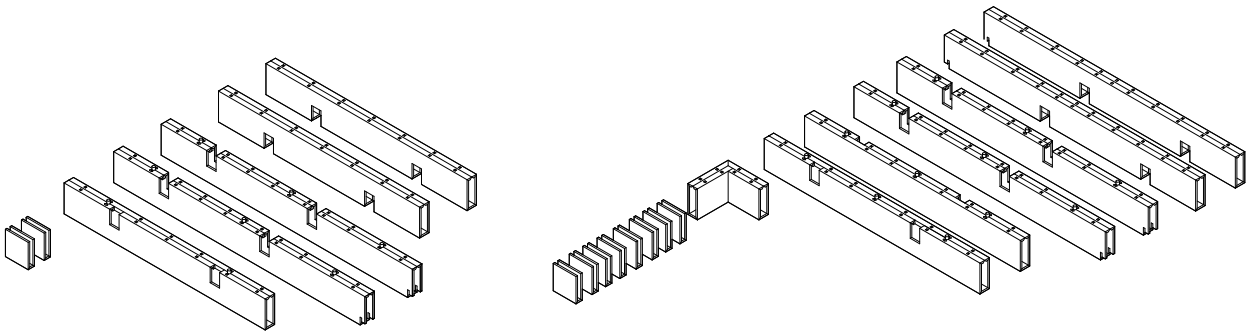
OPEN GRIGLIA



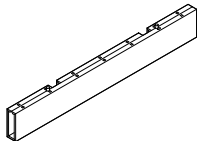
CLOSED GRIGLIA WITH TOP CAPS
***ALL MEP COMPONENTS MUST BE
INDEPENDENTLY SUPPORTED AND NOT RELY
ON GRIGLIA TOP CAPS FOR SUPPORT

ASSEMBLY

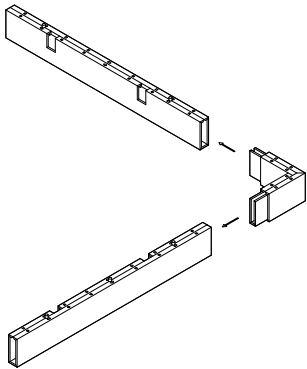
BAFFLE AND FRAME CONNECTION



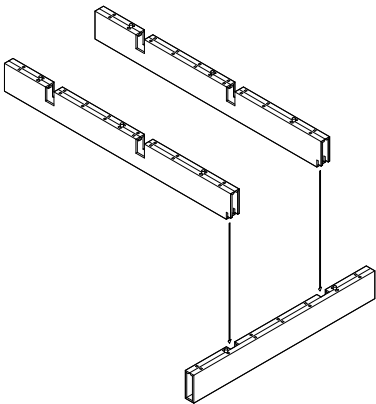
BAFFLES & FRAME PARTS



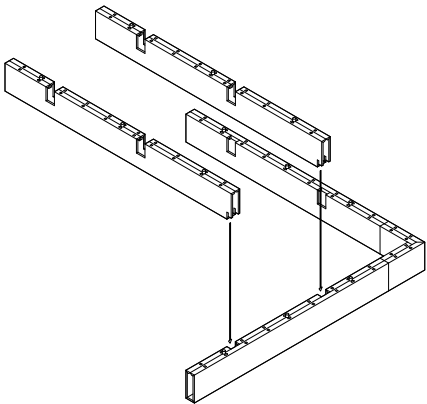
STEP 01



STEP 01



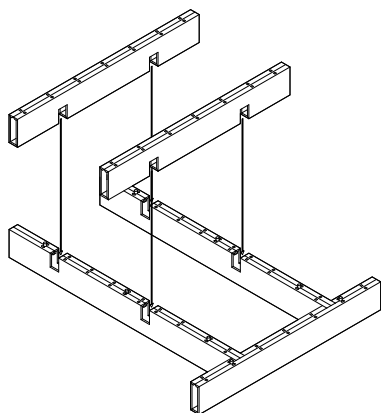
STEP 02



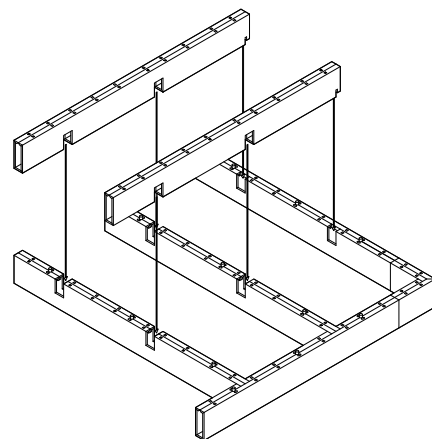
STEP 02

ASSEMBLY CONTINUED

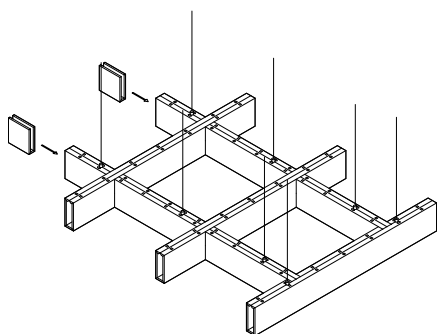
BAFFLE AND FRAME CONNECTION



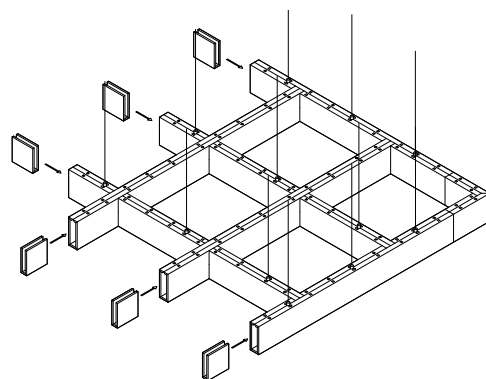
STEP 03



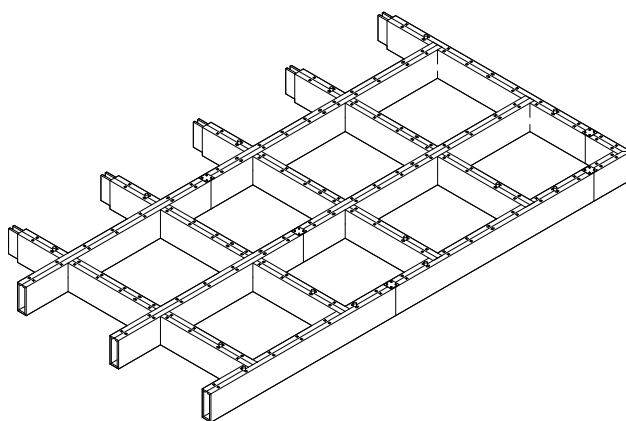
STEP 03



STEP 04



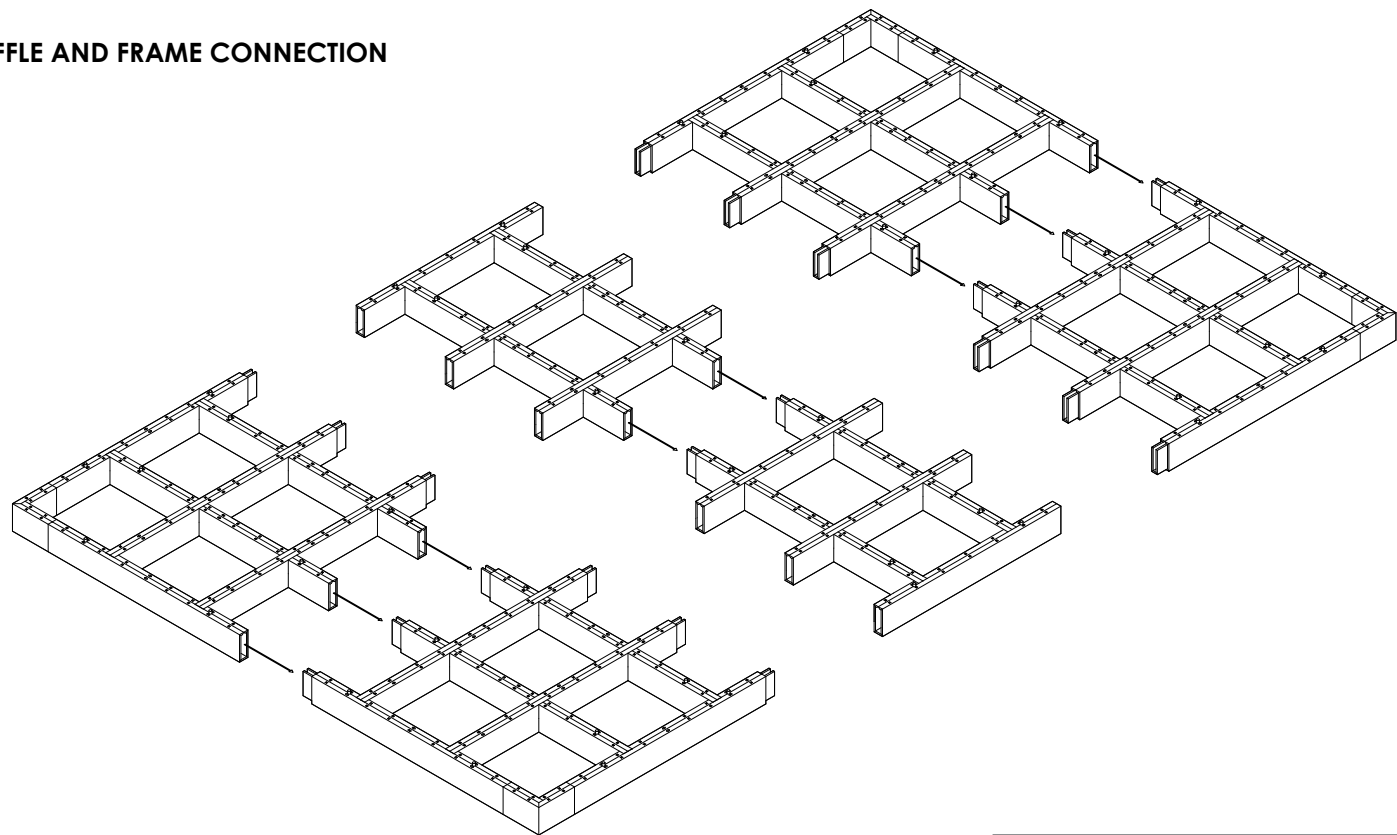
STEP 04



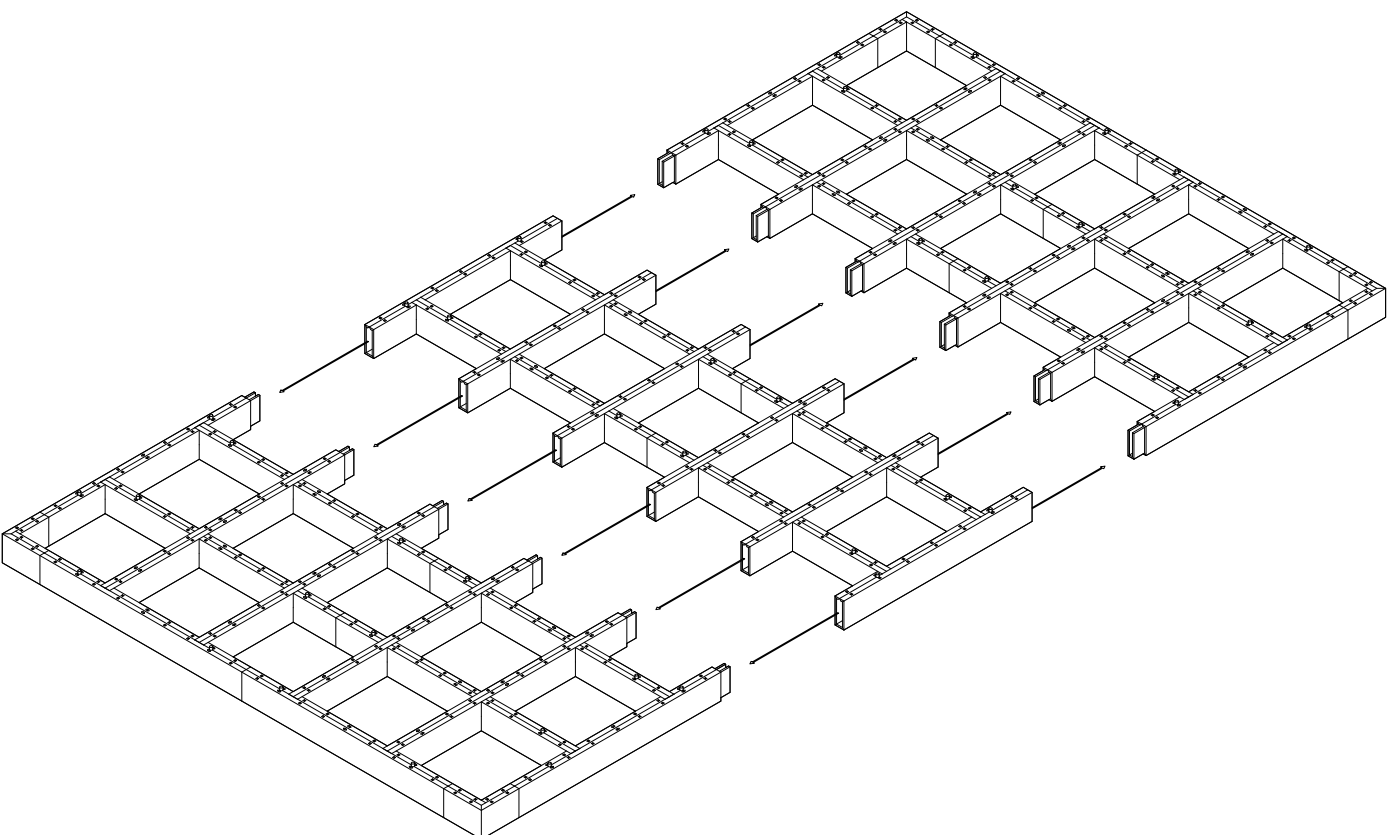
STEP 05

ASSEMBLY CONTINUED

BAFFLE AND FRAME CONNECTION



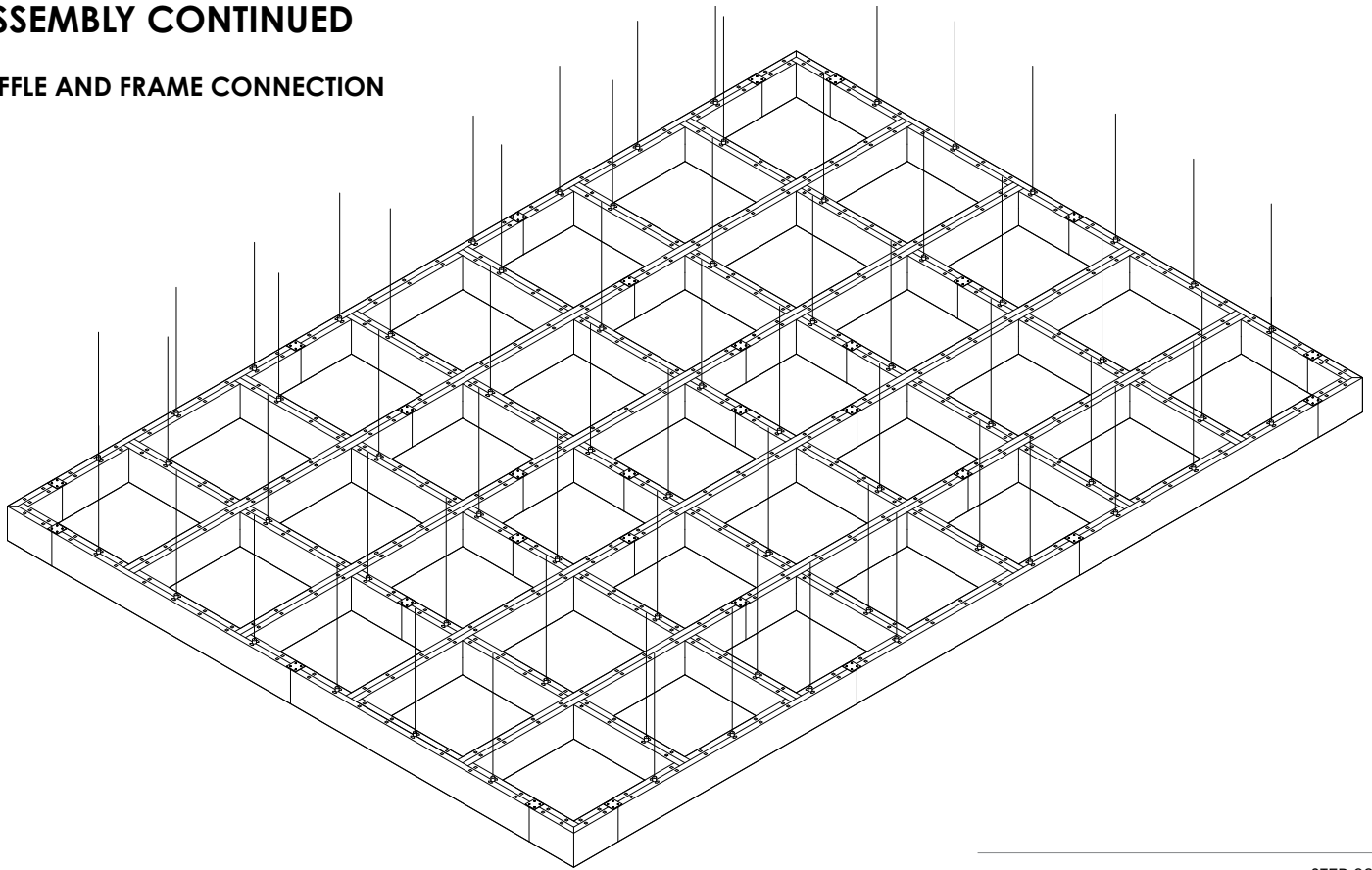
STEP 06



STEP 07

ASSEMBLY CONTINUED

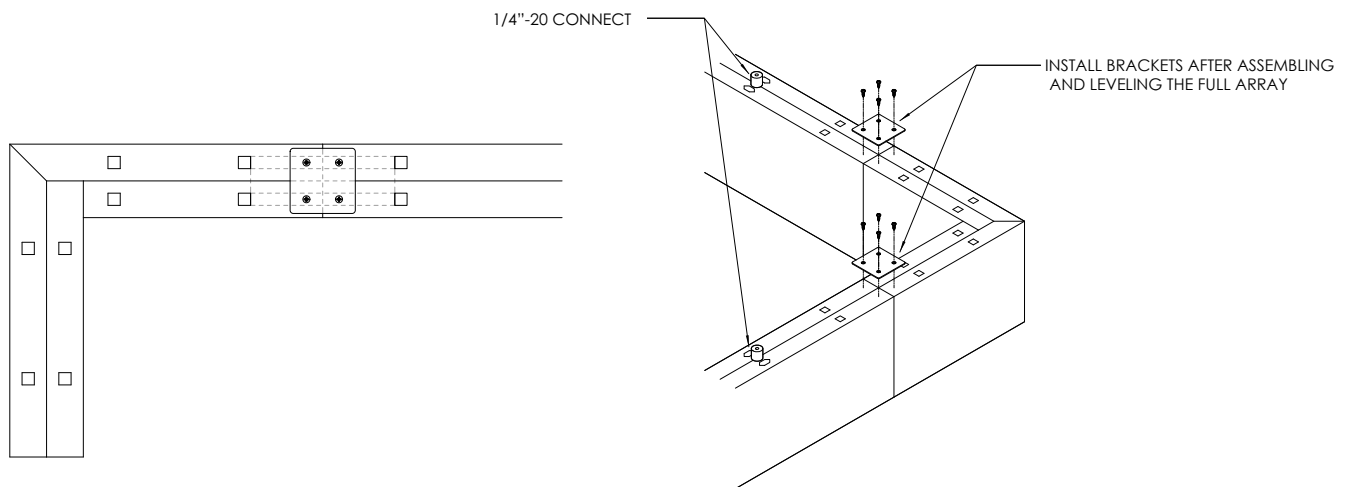
BAFFLE AND FRAME CONNECTION



STEP 08

HARDWARE ATTACHMENT

1/4"-20 CONNECT AND BRACKET



1/4"-20 CONNECT AND BRACKET LOCATIONS

HARDWARE CONTINUED

1/4"-20 CONNECT ATTACHMENT

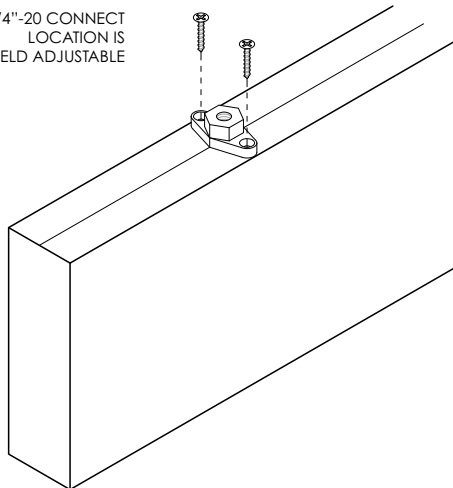
1/4"-20 THREADED CONNECT

FACTORY INSTALLED

1/4"-20 CONNECT CAN DETACH AND BE RELOCATED IN FIELD

1/4"-20 CONNECT CAN ATTACH TO ANY 1/4"-20 SYSTEM

1/4"-20 CONNECT
LOCATION IS
FIELD ADJUSTABLE



SPRING NUT & BOLT
-BY OTHER

ALL-THREAD
-ATTACH TO STRUCTURE
BY OTHER

(OPTIONAL)
UNISTRUT
-BY OTHER

CABLE ANCHOR

CABLE (ADJUSTABLE)
-SPECIFY 5' OR 10' LENGTH
(CABLE MUST BE AT LEAST 6" LONG)

CABLE GRIPPER

1/4" - 20 CONNECT
(FIELD ADJUSTABLE)
(INCLUDED)

GRIGLIA BAFFLE

TO 1/4" - 20 THREAD
-ATTACH TO STRUCTURE
BY OTHER

CABLE ANCHOR

CABLE (ADJUSTABLE)
-SPECIFY 5' OR 10' LENGTH
(CABLE MUST BE AT LEAST 6" LONG)

CABLE GRIPPER

1/4" - 20 CONNECT
(FIELD ADJUSTABLE)
(INCLUDED)

GRIGLIA BAFFLE

1/4"-20 CONNECT TO DECK INSTALLATION

1/4"-20 CONNECT WITH UNISTRUT INSTALLATION

ACOUSTICS

NRC values in the United States are determined using ASTM C423, for an industry-wide standard for testing acoustic baffles.

The previous test, ASTM C423-17, "Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method," was replaced in 2023 with ASTM C423-23.

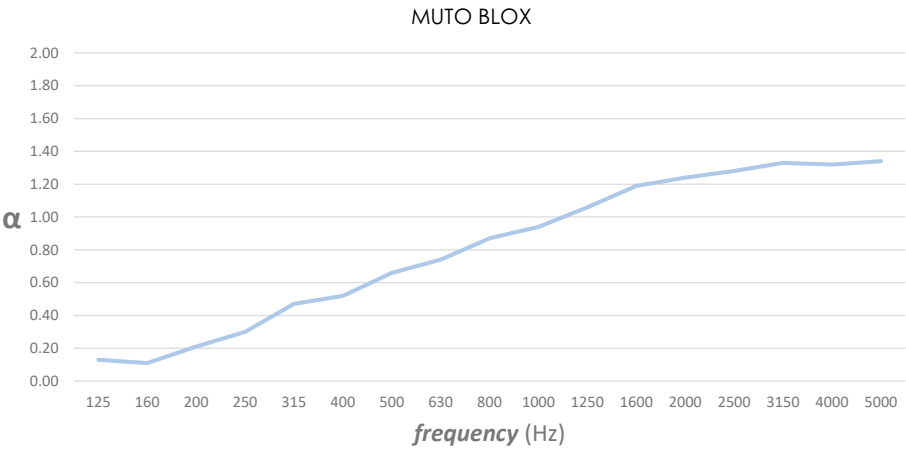
This latest version removes ambiguity regarding the surface area used to calculate the NRC values.

Previous Soelberg NRC values for hanging baffles have used ASTM C423-17 with the total sound absorption divided by the total surface area of the test surface covered by the hanging baffles, including intermediate spaces. This is more conservative than other calculation methods, but is most representative of the intended use of our baffles.

As of July 2023, Soelberg has adapted all of our NRC tests to the latest method: ASTM C423-23.

The new standard is more precise, avoiding the ambiguity inherent in C423-17. The new C423-23 also includes an additional 12" of space in the baffle array for all tests. This was not included in the previous test standard, and may cause the final NRC value to decrease slightly.

Soelberg strives to have the most precise acoustic data possible. Please confirm that the ASTM C423-23 method was used when comparing competing products.



BLOX	SAMPLE FREQUENCY (Hz)				NRC	SAA
	250	500	1000	2000		
6"	0.30	0.66	0.94	1.24	0.80	0.79

***NRC values are from Blox 6" baffles spaced at 6" on center. Griglia acoustic values vary greatly because of cell size options and open or closed options.

APPARENT NRC RATINGS

NRC values are typically used for flat surfaces of a given surface area, e.g., carpet or wall coverings. When rating hanging objects that are spread out, the 'Apparent NRC' is used.

WHAT IS NRC?

NRC is an acronym for Noise Reduction Coefficient. This is a convenient single rating for assessing the absorbency of a material. This can be used to predict its efficacy for reducing reverberation within a room. NRC is calculated from the absorption coefficients at 125 Hz, 250 Hz, 500 Hz and 1,000 Hz, rounded to the nearest 0.05.

WHY NOT STC?

STC (Sound Transmission Class) is a value used to describe the amount of sound that passes through a barrier. This can be given to a material or an entire wall assembly. If you need to assess how well a barrier can block sound between rooms, you'll need to know the STC rating. Acoustic baffles are not used to physically divide rooms, but rather to absorb noise within a room. Problematic noise in a room is called reverberation. This can manifest as droning or ringing sound when people are speaking, or in the worst case: an echo. For this reason, NRC or SAA are the appropriate rating systems for treating reverberation issues.

ENVIRONMENTAL

DECLARE, MINDFUL MATERIALS & GREENGUARD GOLD CERTIFIED

We care about the environment and it matters that our materials support healthy and productive interior spaces. We use innovative materials but ensure that they meet the highest level of standards and expectations.

MUTO PET felt core material is 100% recyclable with no added urea formaldehyde.

Declare.

