

DECOUSTICS CLARO® BAFFLES

Fully-Engineered Ceiling & Wall Solutions

Includes: Claro, Clean-Air Claro, Easy-Clean Claro, Metallo

FIBERGLASS CEILINGS & WALLS

PANELS, CLOUDS & BAFFLES



Project: CertainTeed HQ, Malvern, PA

Decoustics Claro Baffles are tailored to meet project objectives and delivered to site a fully finished and certified product ready for installation. Create ceiling showpieces by designing with a variety of shapes, sizes and colors.

FEATURES AND BENEFITS

- Full-service program with tailored solutions delivered to site ready for installation
- Custom shapes, sizes, curving, texture, color-matching and shimmering metallic finishes
- NRC up to 0.75 (reference the acoustical chart on the back cover)
- Maximum baffle sizes: — Up to 4' in height, up to 8' in length, and weight up to 40 lbs in a variety of custom shapes with similar baffle parameters
- Thicknesses of 1" or 2-1/8"
- Other sizes and dimensions may be available, contact your sales representative for more information
- Available in regular fiberglass or Clean-Air Claro®
- Available with smooth and/or washable Easy-Clean Claro® or shimmering Metallo™ Silver finishes

ATTRIBUTES



FIRE RATING:
CLASS A
PER ASTM E84



SEISMIC RATING:
ZONES A, B, C, D, E, F



WASHABLE



LR: 0.94



**CUSTOMIZATION
AVAILABLE**

LEED® v4

RECYCLED CONTENT

up to 55%

- ✓ MR: Building Products Disclosure
- ✓ EQ: Low-Emitting Materials
- ✓ EQ: Indoor Air Quality Assessment
- ✓ EQ: Acoustic Performance

LEED® is a registered trademark of the
U.S. Green Building Council.

DECLARATIONS



LOW VOC



EPD AVAILABLE

ARCHITECTURAL

CertainTeed
SAINT-GOBAIN

COLORS AND FINISHES



SHAPES AND SIZES

RECTANGULAR BAFFLES:

- Baffle edges are straight and angled at 90°
- Edges are finished to match the face of baffle
- Available in 1" and 2-1/8" thicknesses



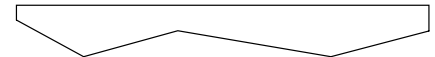
WAVE BAFFLES:

- Baffle edges are shaped to hold a slight curving radius
- Edges are finished to match the face of baffle
- Available in 1" and 2-1/8" thicknesses



ANGLED BAFFLES:

- Baffle edges are straight and angled at different degrees
- Edges are finished to match the face of baffle
- Available in 1" and 2-1/8" thicknesses



Additional tailored sizes, shapes and curving, along the bottom, side and top edge, various suspension and mounting systems, as well as finishing options are available for design flexibility. Contact your local sales representative to get started.

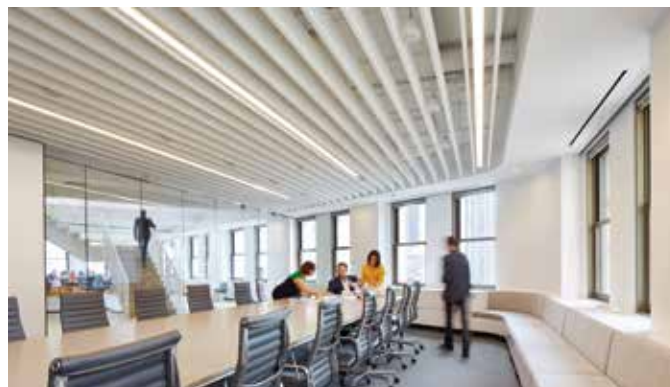
CONFIGURATION SUGGESTIONS



Curve edges- elongated 2" thick baffles



Custom color-match 2" thick baffles to create waves



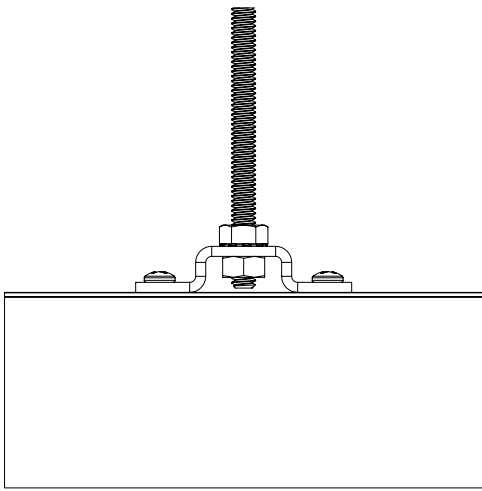
Create sleek linear designs using 1" thin rectangular baffles

CONFIGURATION SUGGESTIONS (continued)

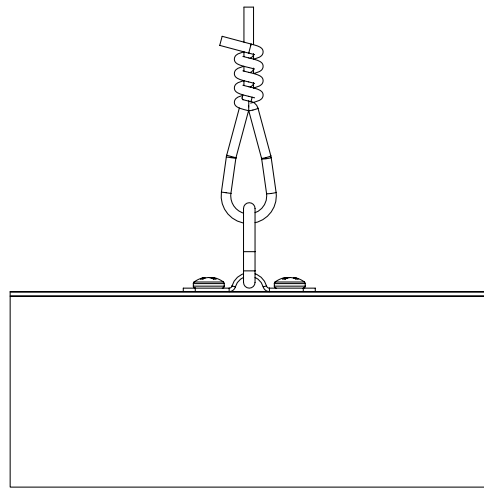
Shape Decoustics Claro baffles and mirror them to create geometric patterns. Mix-and-match shapes to create parametric architecture. Cut shapes out of the baffles to add a unique touch, or curve the baffles horizontally to add motion to the ceiling.



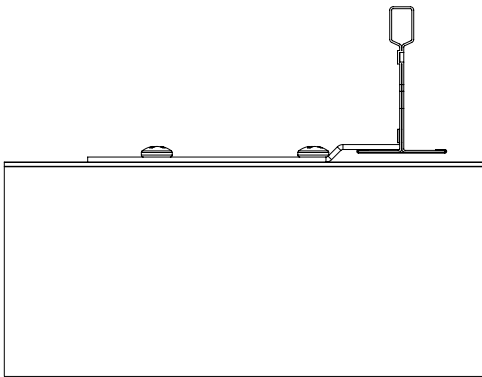
INSTALLATION EXAMPLES



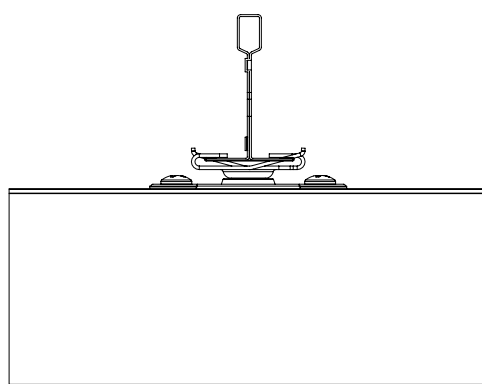
THREADED ROD MOUNTING BRACKET



D-RING



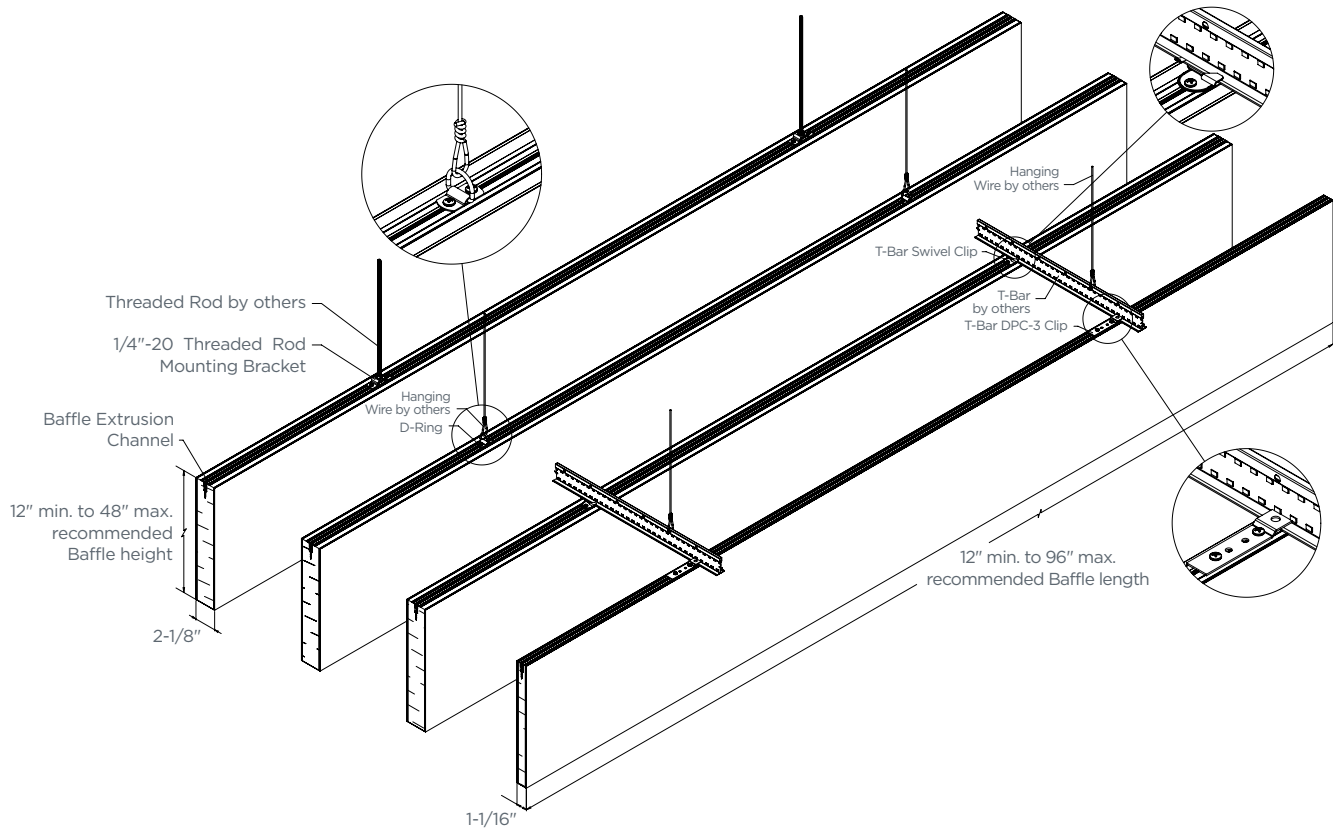
DPC-3 CLIP



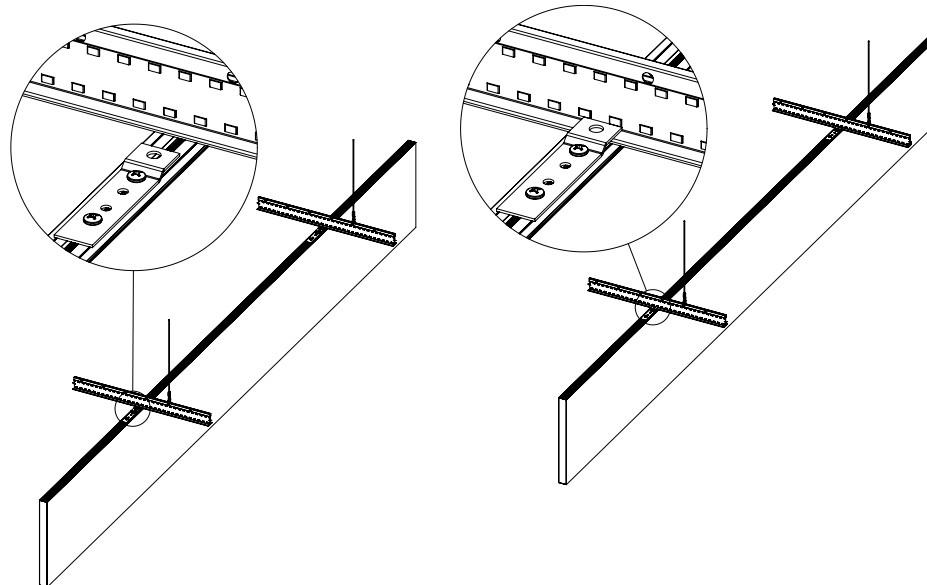
SWIVEL CLIP

INSTALLATION EXAMPLES

Typical Isometrics



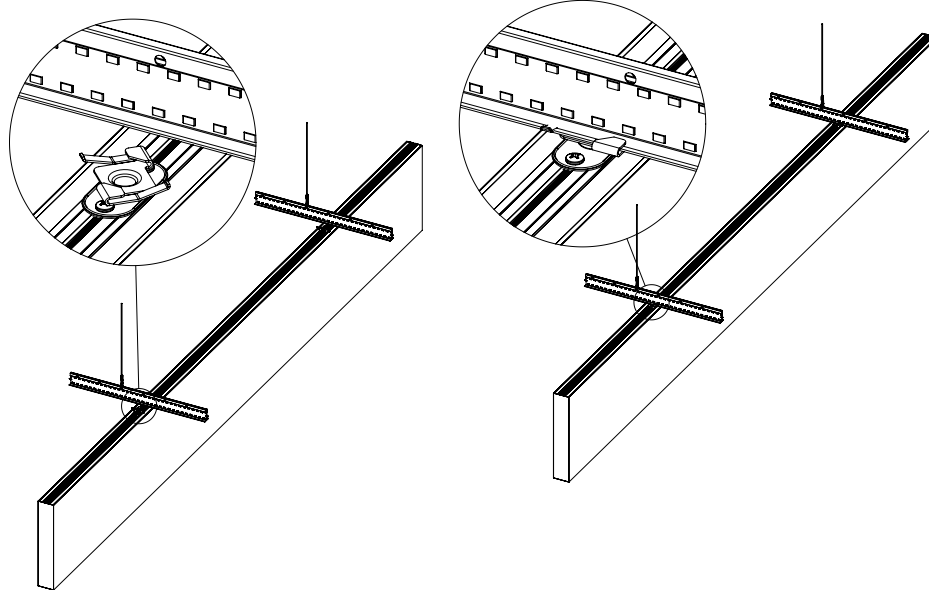
DPC-3 CLIP



INSTALLATION EXAMPLES

Typical Isometrics

SWIVEL CLIP



ACOUSTICAL PERFORMANCE

MOUNTING	Type J
NRC	0.75

Test specimen baffles were mounted using 3 different sets of spacing: i.e. 24", 36", and 48".

All baffles were suspended in parallel rows in the test chamber as per ASTM E795 Type-J. Sound absorption is calculated in Sabins per unit. NRC levels may vary based on square footage, spacing and shape of the baffles. NRC levels of up to 0.75 can be reached, please contact an acoustical consultant or CertainTeed Architectural.

FINISH	THICKNESS	SPACING (Height of Baffle : Spacing between Baffles)	SABINS FREQUENCY (HZ)					
			125	250	500	1000	2000	4000
Claro Baffle	1"	1:1 (24":24")	2.30	3.52	6.58	9.95	11.94	11.48
		1:1.5 (24":36")	1.53	3.83	8.11	10.56	12.86	12.40
		1:2 (24":48")	1.68	4.44	9.49	12.40	15.00	14.39
	2-1/8"	1:1 (24":24")	3.03	4.46	11.00	12.44	12.92	12.60
		1:1.5 (24":36")	3.03	4.94	12.44	14.03	14.03	13.23
		1:2 (24":48")	3.03	5.74	39.00	14.35	14.19	13.39

ACOUSTICAL PERFORMANCE

Y = Yes N = No

Baffles Finish	Custom Color	Texture Option	Cleanability & Disinfection	EPD Available	Clearchem Low VOC	Light Reflectance	Recycled Content	Curving
Claro	Y	Stipple or Smooth	N	Y	N	94%	Up to 55%	Y
Clean-Air Claro	Y	Stipple or Smooth	N	N	Y	94%	Up to 55%	Y
Easy-Clean Claro	N	Smooth Only	Y	N	Y	93%	Up to __%	Y
Metallo	N	Smooth Only	N	N	N	N/A	Up to __%	Y



Project: National Interstate Insurance Office

PHYSICAL DATA

MATERIAL

Regular Fiberglass or Low VOC Fiberglass

WEIGHT

Varies nom. 0.9 – 1.7 lbs./sq.ft.
(includes suspension)

FIRE RATING

Class A Fire Rated per ASTM E84:
Flame Spread: ≤ 10 , Smoke ≤ 100 ; and
CAN/ULC-S102: FSR=20, SDC=35

SEISMIC RATING

Zones A,B,C,D,E,F

RECYCLED CONTENT

Up to 55 %

LIGHT REFLECTANCE (LR) COEFFICIENT

Up to 0.94 per ASTM C609

WARRANTY

1-year or 2-year Limited Warranty.
Full warranty information can be
found at certainteed.com/warranty



CertainTeed ARCHITECTURAL

METAL • WOOD • FELT • FIBERGLASS & MINERAL FIBER • GYPSUM • SUSPENSION & INTEGRATED SYSTEMS
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