



GAGE 78
earth metal™
DIMENSIONAL SURFACING

Gage 78 earth metal Dimensional Surfacing

The Product

Earth Metal™ is a highly dimensional and extremely durable architectural surfacing designed for use as feature walls, columns, dividing walls, elevator interiors, ceilings and other innovative architectural applications. Earth Metal is suitable for both interior and exterior use.

The Earth Metal product is truly one of a kind. The pattern depth and dimension can only be achieved by the manufacturing process developed for the product. Earth Metal panels are eight inch wide modules available in lengths up to twenty feet. The virtually seamless panel connections allow for an uninterrupted visual flow between panels. The product is manufactured entirely in Wisconsin using state of the art facilities. Most designs are protected by design patent or copyright.

The collection currently offers 10 standard designs and 16 standard finishes. Associated reference names and numbers are shown on each photograph and also summarized in chart form on pages 43 to 45.

The Aluminum Advantage

Aluminum is a very efficient and environmentally friendly material. Over 70% of the aluminum produced since 1880 is still in use today. Aluminum is 100% recyclable and the recovery of aluminum via recycling has been an important part of the aluminum industry since the late 1960s. In keeping with this sustainable strategy, the scrap remaining from the Earth Metal manufacturing process is returned to the mill and melted for recycling. This process requires only 5% of the energy used to originally produce aluminum and helps to reduce our dependence on energy and raw materials.

Earth Metal products are made from 66% recycled aluminum (50% post-consumer, 16% pre-consumer).

Earth Metal is produced from aluminum alloy 6063 which uses magnesium and silicon as the alloying elements. Alloy 6063 is used for a variety of architectural applications and is typically produced with a smooth surface especially suited for finishing. Earth Metal is tempered to a T5 level that provides a tensile strength of 22,000 psi with an ultimate yield strength of 16,000 psi (refer to definitions on page 43). The finished product is a tough and durable material.

Continuing A Tradition

Gage 78 shares common ownership with Gage Architectural Products, an internationally recognized leader in the design and manufacturing of specialty metal architectural products since 1988. Like other Gage products, Earth Metal is designed as a complete system. Thoughtful development delivers a well-engineered product with a focus on ease of installation. Time studies on projects to date indicate that 40-70 SF of material can be installed per man hour to the properly prepared substrate such as ½-inch plywood or studs 8 inches on center.

Collaboration

Collaboration on custom designs and finishes is encouraged by Gage 78 subject to the parameters of the Earth Metal production process. For additional information, please contact your sales representative or Gage 78 (info@gage78.com).

Design

Ashton
EM 7809

Honest Aluminum finish

Design

Little Earth

EM 7800 & 7801
Nickel Pearl finish

*20' high feature wall with
9' radius*

Featured on brochure cover





Design

Little Earth 1
EM 7800
Nordic Silver finish

- *Earth Metal flagship*
- *Ground-breaking organic pattern*
- *Depth and dimension*

designer ■ Clinton L. Rasmussen, Associate AIA



Design

Little Earth 2
EM 7801
Nordic Silver finish

Design images shown to scale. ■ Profile images shown on page 38.



Design

Little Earth

EM 7800 & 7801

Nickel Pearl finish

*20' high feature wall with
9' radius*

Ceiling

Gage 700 Series









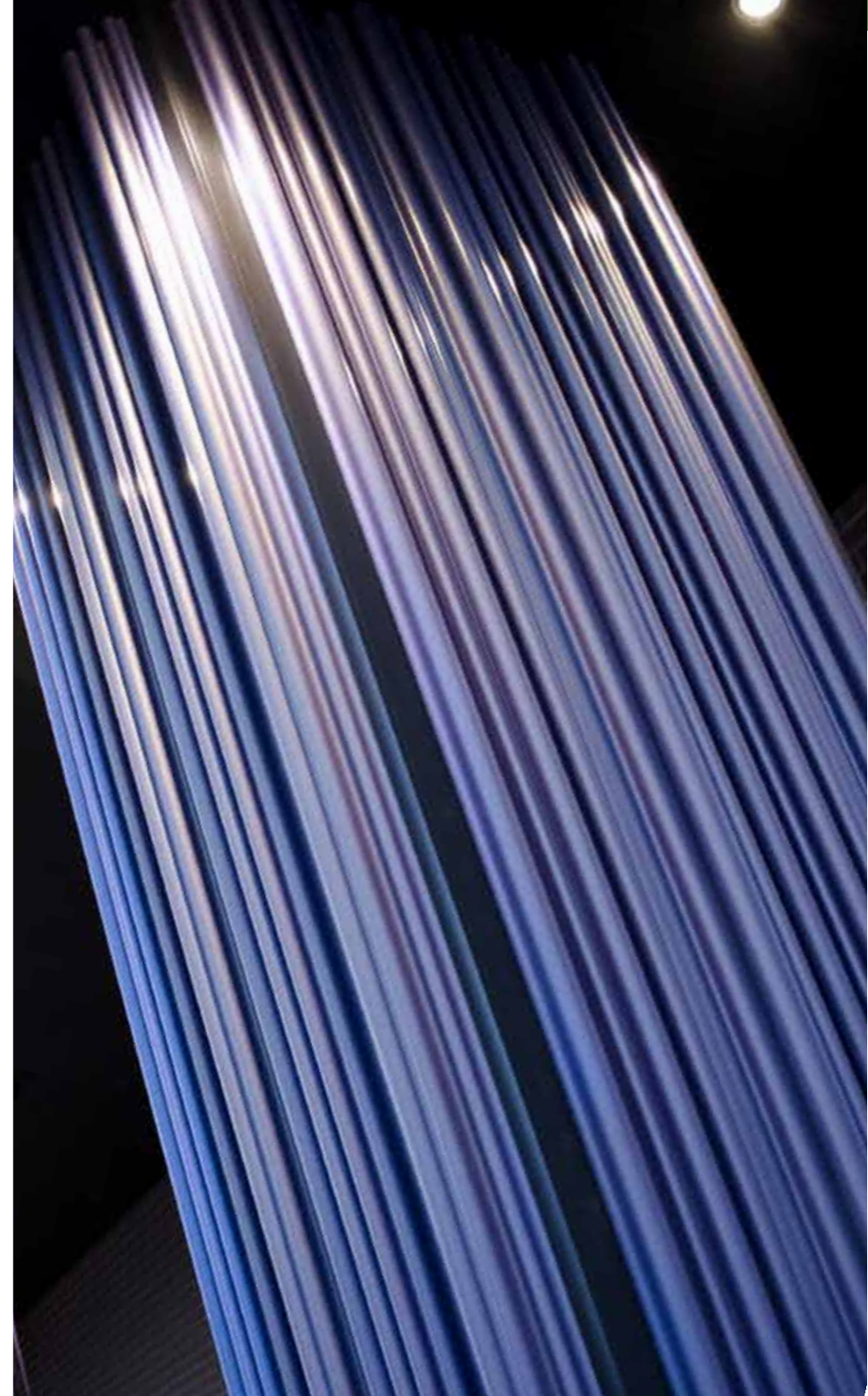
Exterior Columns

Little Earth

EM 7800 & 7801
Custom PVDF finish

*13 feet high,
36" square*

*Black j-trim corners
(Construction photo)*





Design

Exchange 1
EM 7802
Honest Aluminum finish

- *Subtle Art Deco influence*
- *Smooth and curvaceous*
- *Flexible design options*

designer ■ Kevin Timmerman, AIA, LEED AP



Design

Exchange 2
EM 7803
Honest Aluminum finish

Design images shown to scale. ■ Profile images shown on page 39.



Exchange 2
EM 7803
Champagne Mist finish

Exchange 1
EM 7802

Exchange 2
EM 7803



Little Earth 2
EM 7801
Nordic Silver finish

Exchange 1
EM 7802
Honest Aluminum finish

Little Earth 2
EM 7801
Nordic Silver finish

Image not to scale.

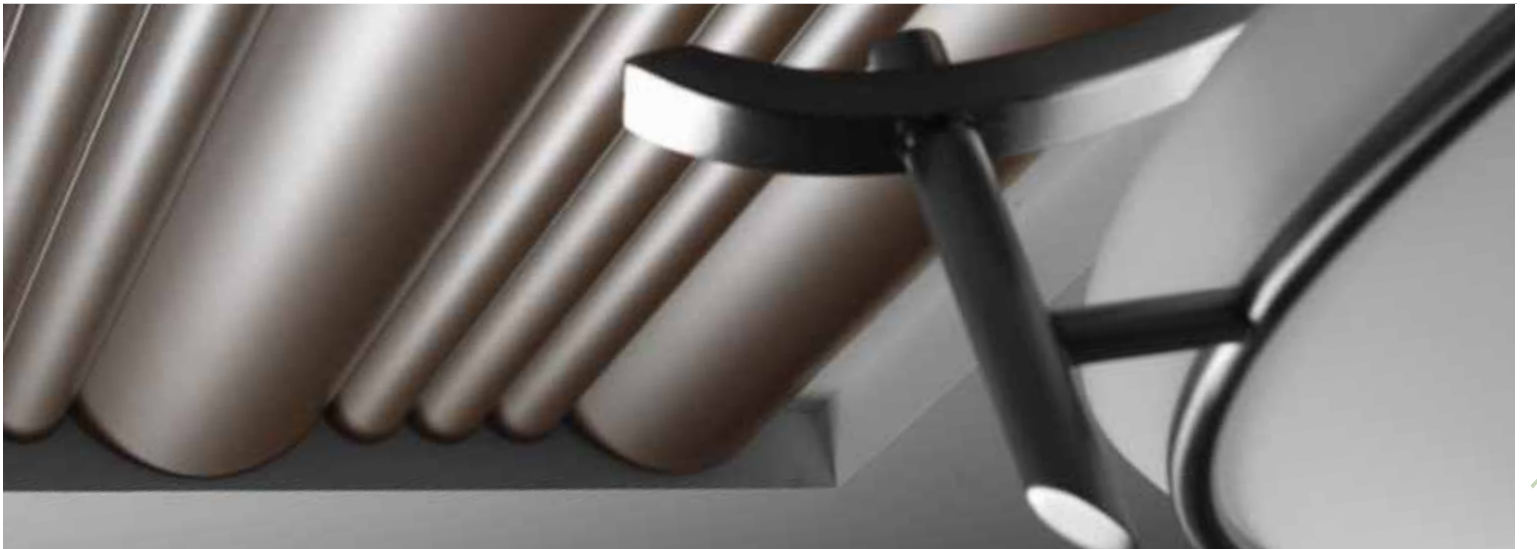


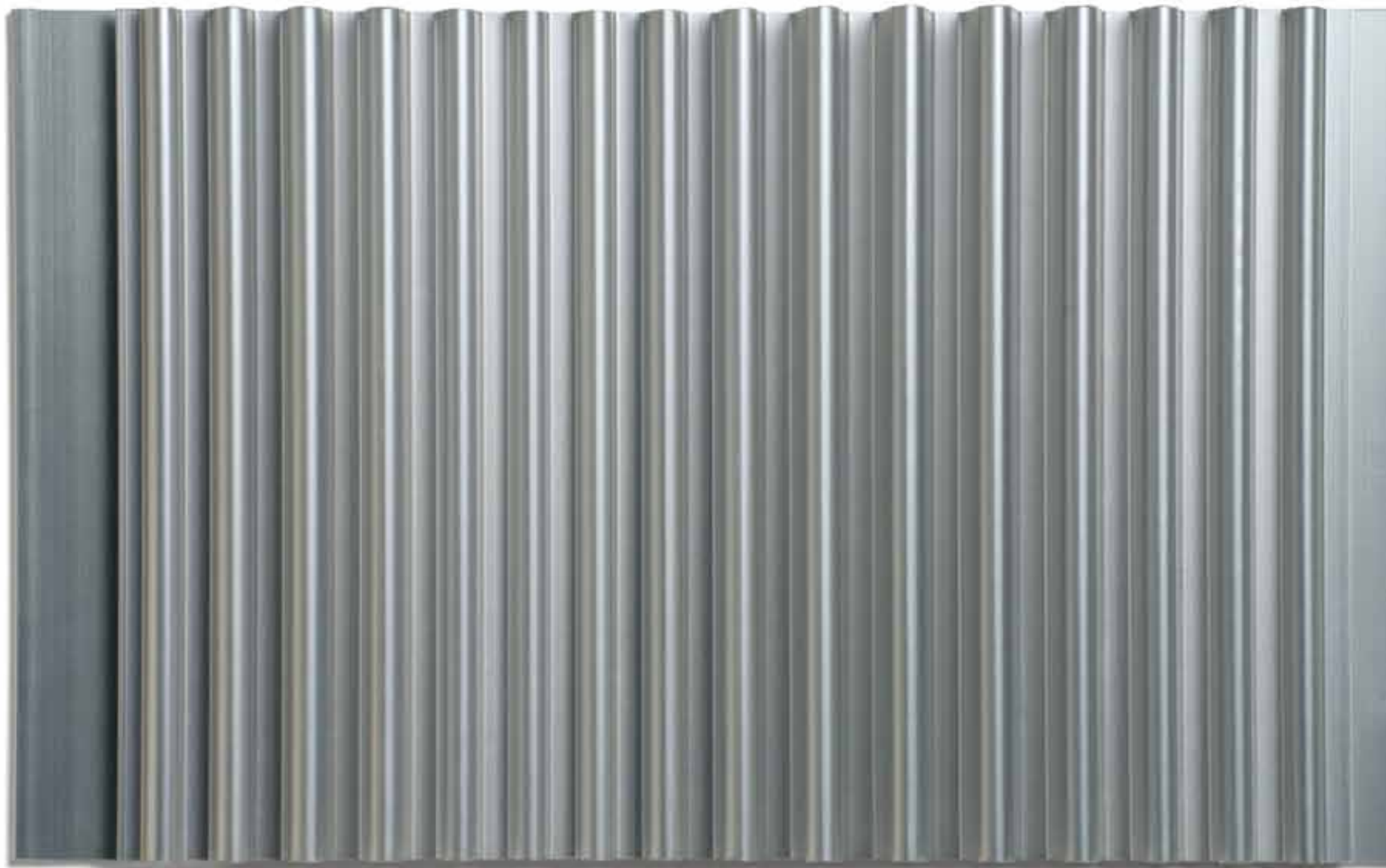
Design

Exchange

EM 7802 & 7803

Champagne Mist finish





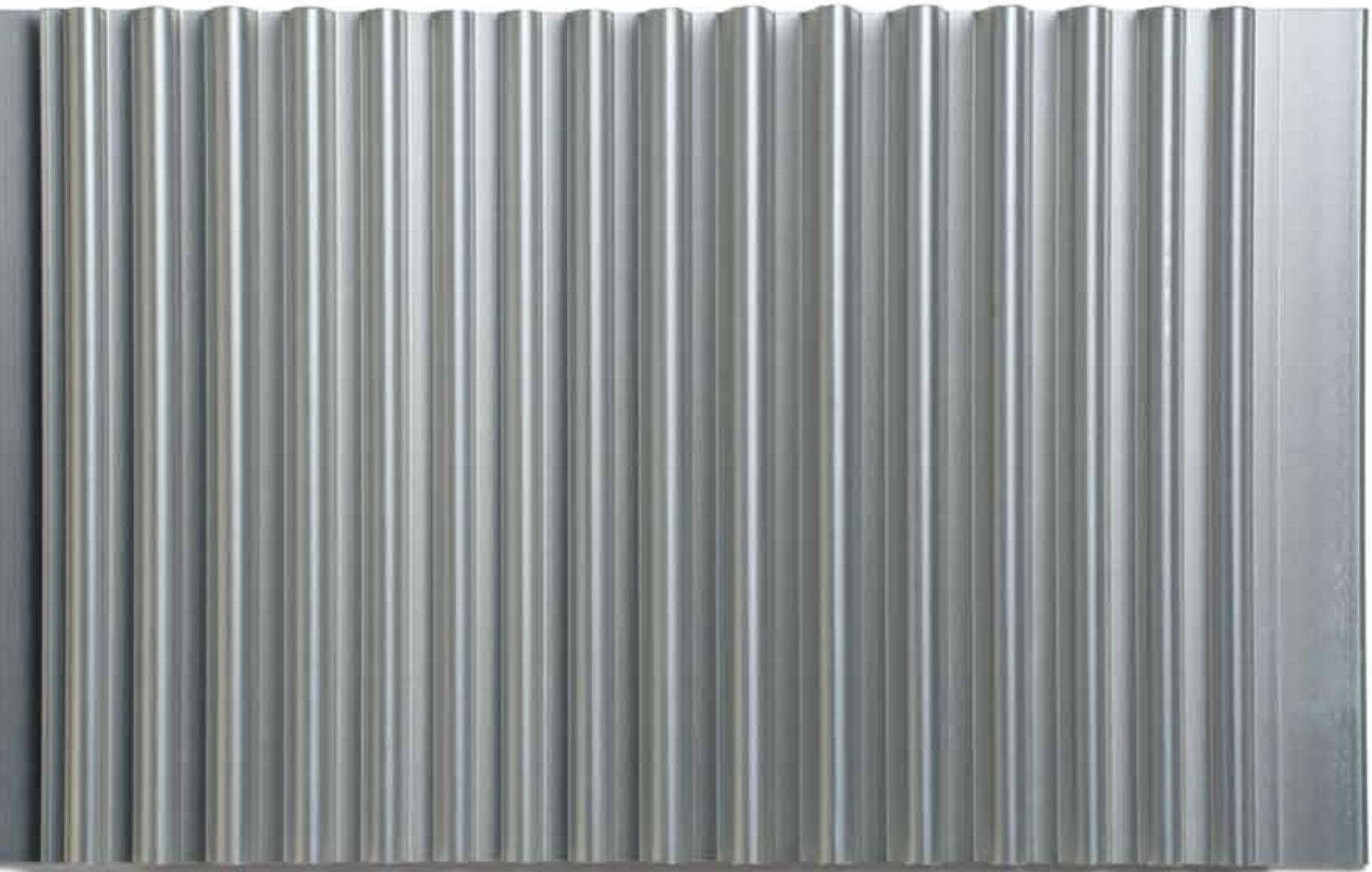
Design

Metal Valley

EM 7804

Honest Aluminum finish

designer ■ Clinton L. Rasmussen, Associate AIA



-
- *Strong vertical rib pattern*
 - *Undulating peaks and valleys*
 - *Practical design applications*

Design images shown to scale. ■ Profile images shown on page 39.





Design

Metal Valley

EM 7804

Horizontal orientation

Custom anodized
copper finish



Left Design

Metal Valley

EM 7804

Satin Nickel finish

Matching J-trim

Right Design

Metal Valley

EM 7804

Satin Nickel finish





Design

Plaza

EM 7805

Antique Bronze finish

designer ■ *Meredyth Lillejord, Interior Design*



-
- *Classic fluted design*
 - *Interpreted in metal*
 - *Timeless elegance*

Design images shown to scale. ■ Profile image shown on page 40.



Design Left

Plaza

EM 7805

Light Bronze finish

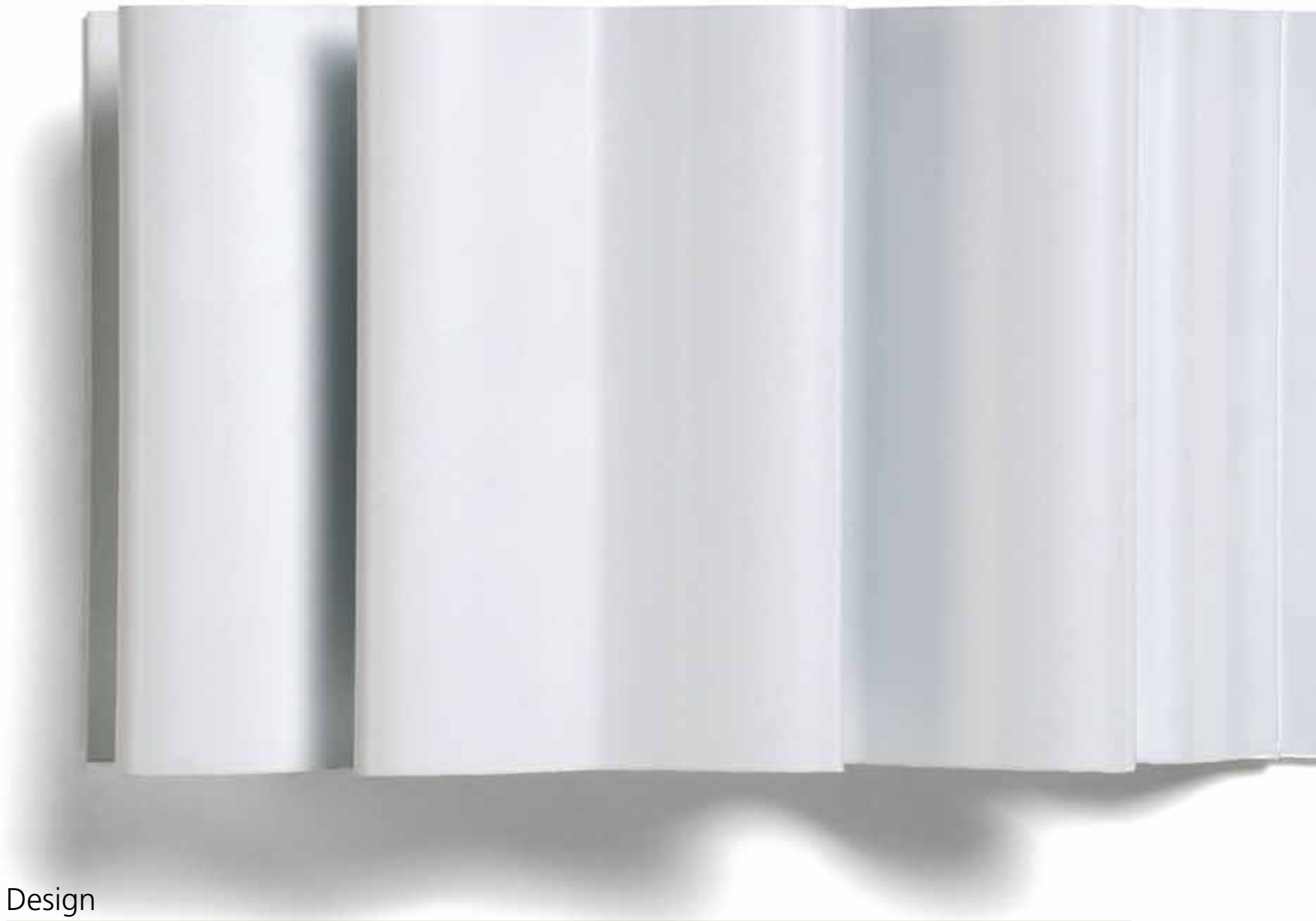
Design Right

Plaza

EM 7805

Champagne finish



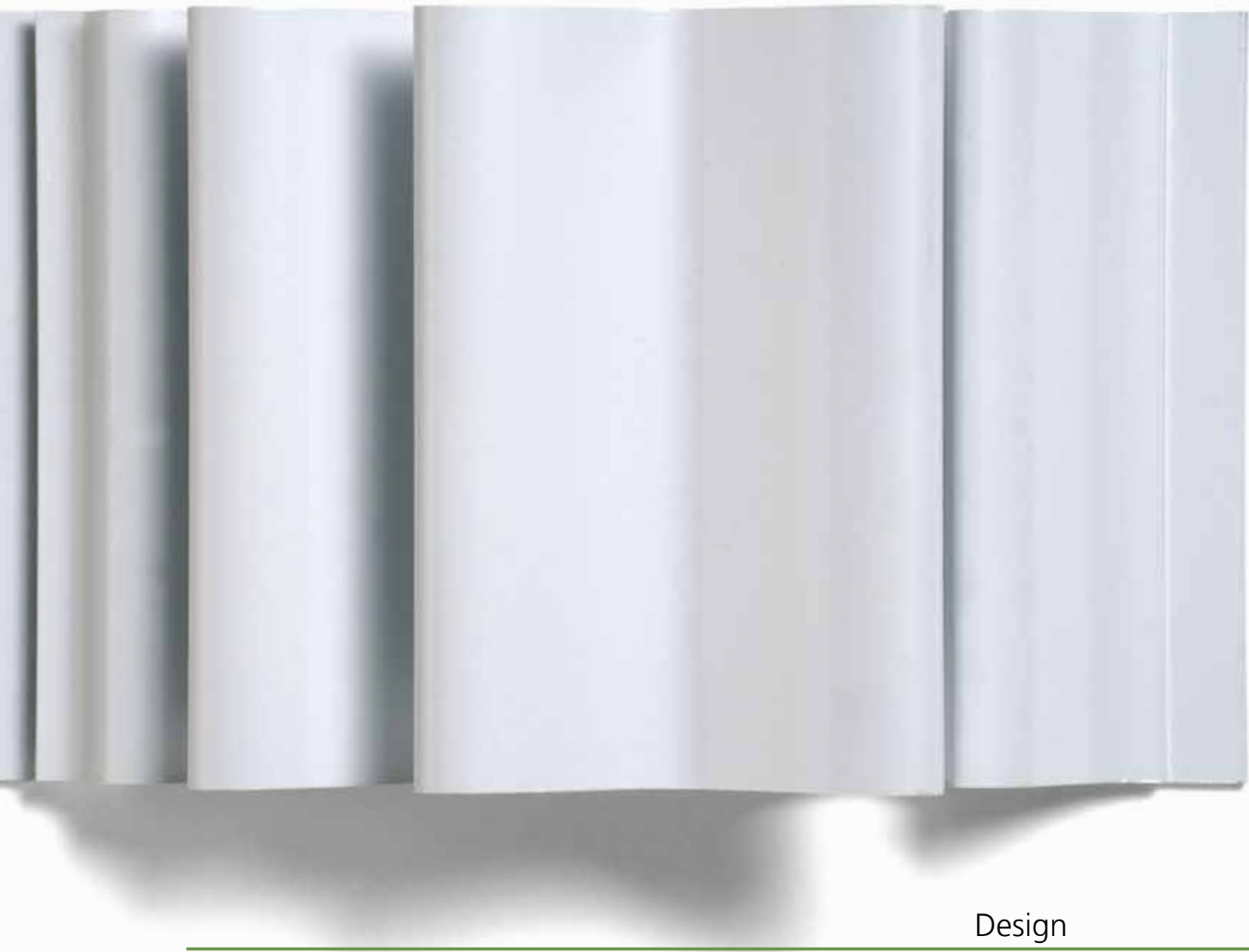


Design

Roman Fold 1
EM 7806
White Pearl finish

- *Borrowed from antiquity*
- *Artistically folded metal*
- *Dramatic feature wall*

designer ■ Meredith Lillejord/Mitchell R. Larson, Graphic Design



Design

Roman Fold 2
EM 7807
White Pearl finish

Design images shown to scale. ■ Profile images shown on page 41.



Design

Roman Fold

EM 7806 & 7807

Dark Bronze Pearl finish



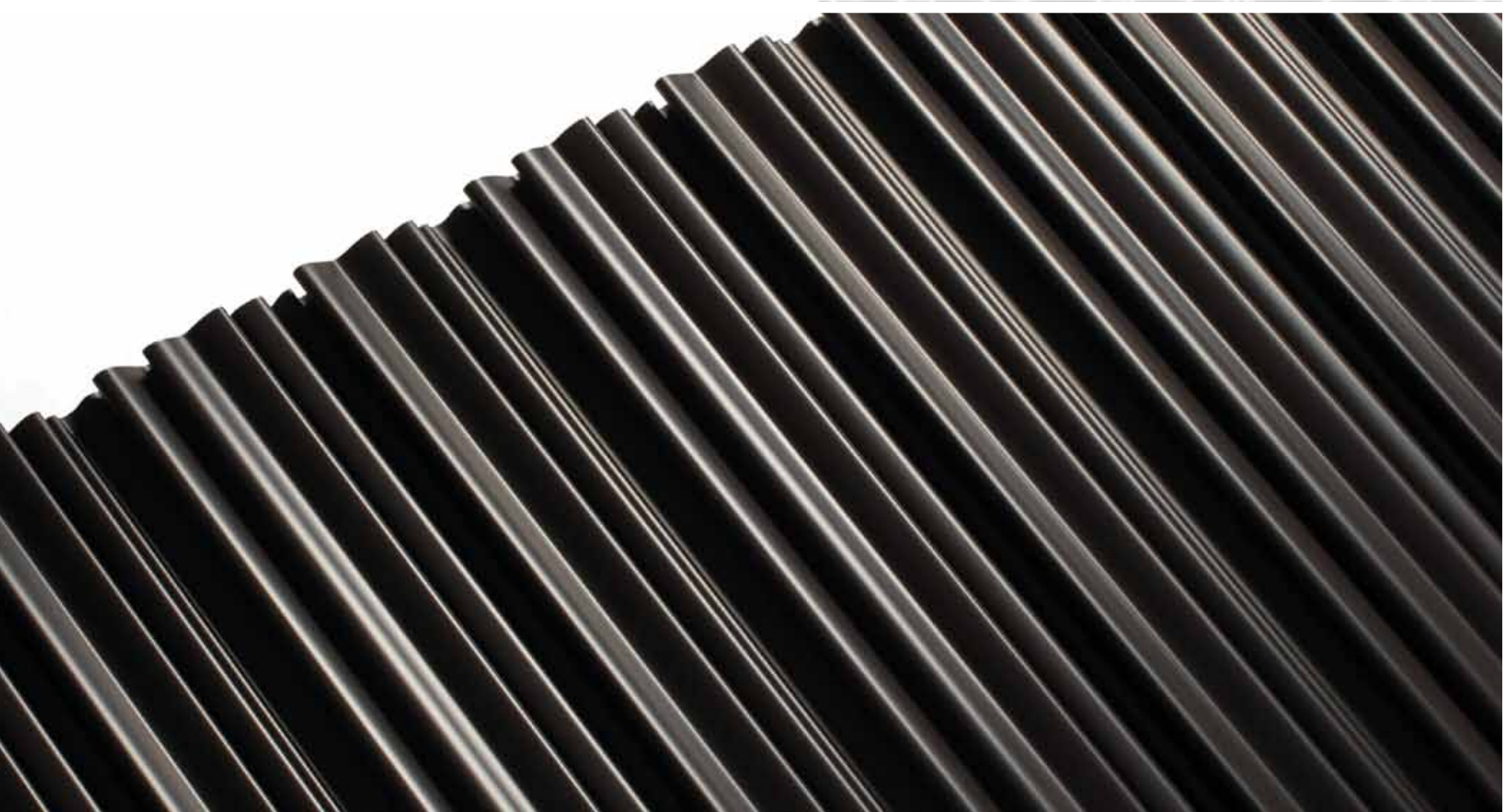


Design

Roman Fold

EM 7806 & 7807

Dark Bronze Pearl finish





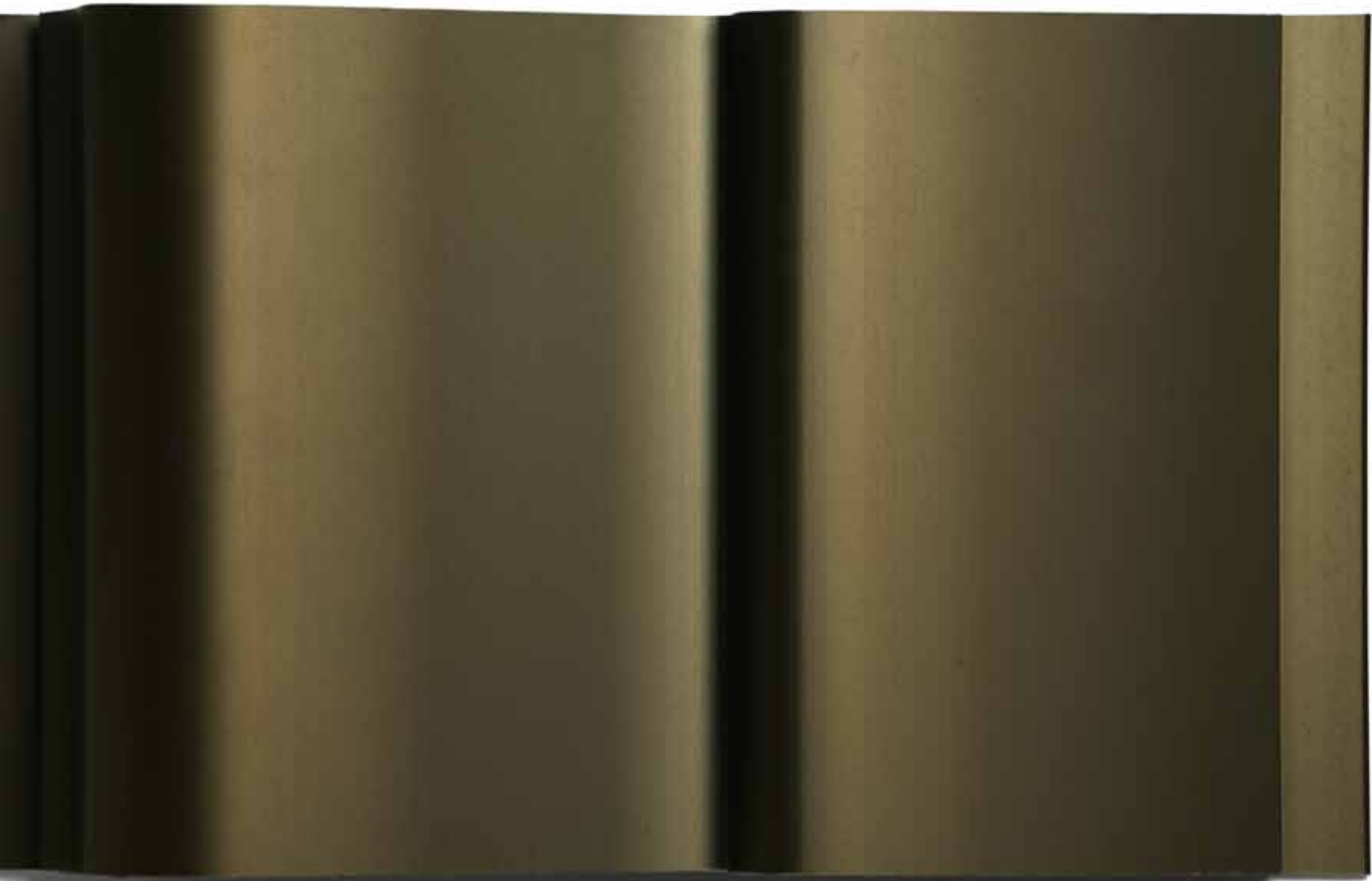
Design

Pacific Sail

EM 7808

Light Bronze finish

designer ■ Kevin Timmerman, AIA, LEED AP



-
- *Smooth and flowing*
 - *Spectacular when soaring to 20 feet high (6.1 m)*

Design images shown to scale. ■ Profile image shown on page 40.



Design

Ashton

EM 7809

Champagne Metallic finish

designer ■ Gregory Ashton, Design Engineer



-
- *Low relief linear pattern*
 - *Clean and simple*
 - *Multiple design applications*

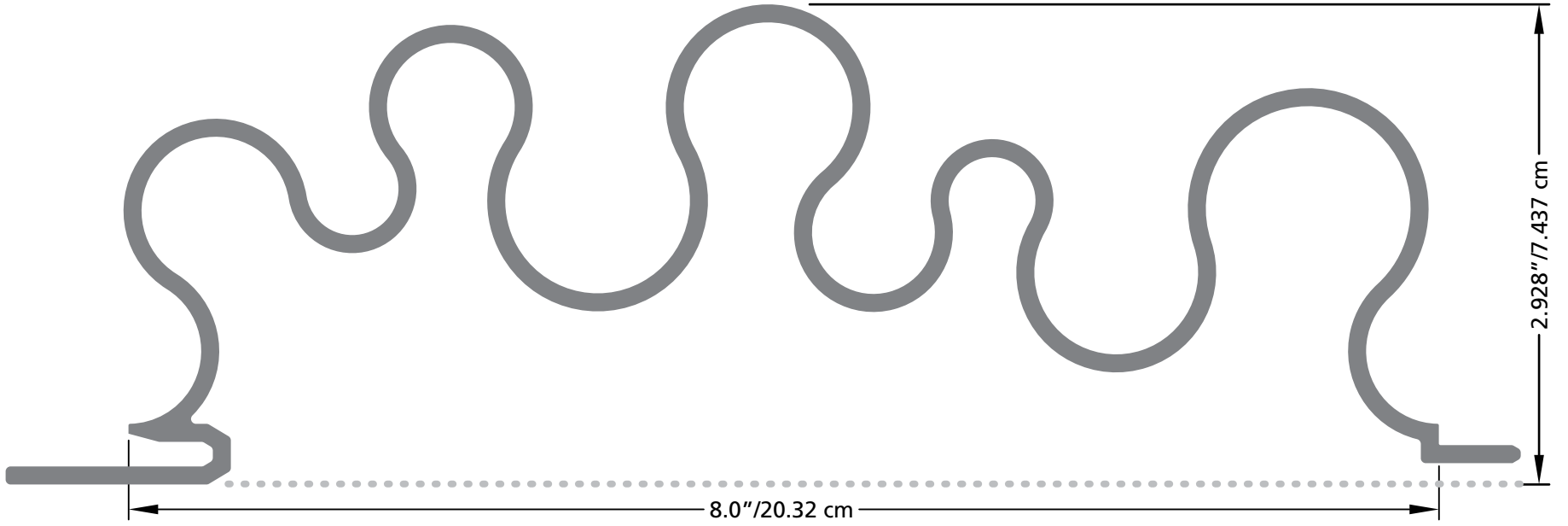
Design images shown to scale. ■ Profile image shown on page 40.



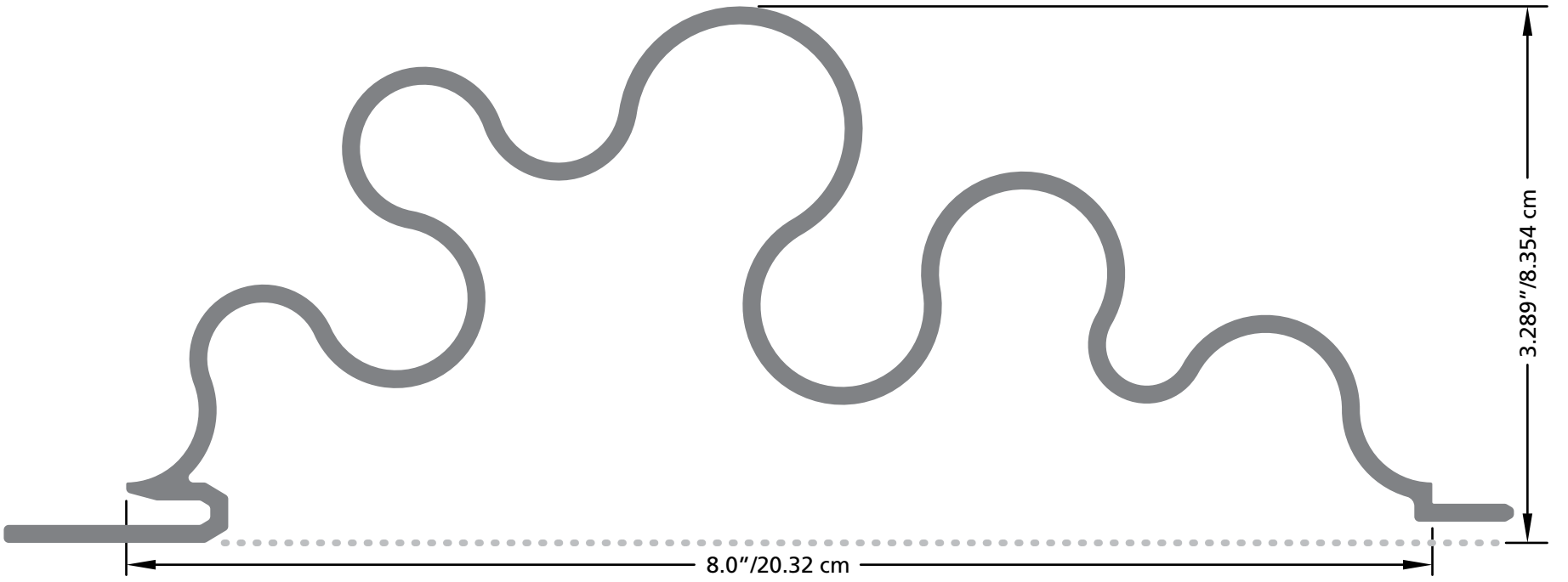
Column/Cabinet Details ■ Ashton/EM 7809 ■ Champagne



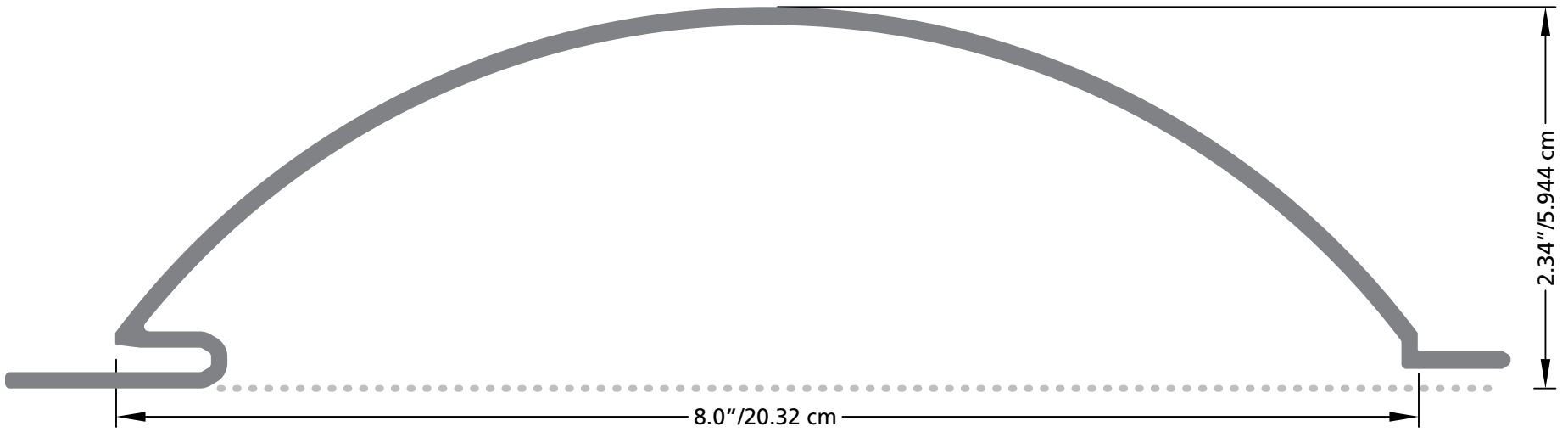
EM 7800 ■ Little Earth 1



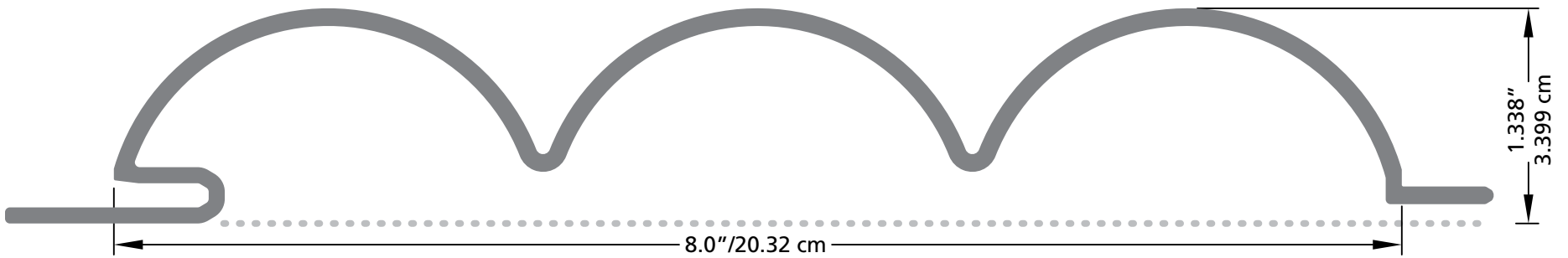
EM 7801 ■ Little Earth 2



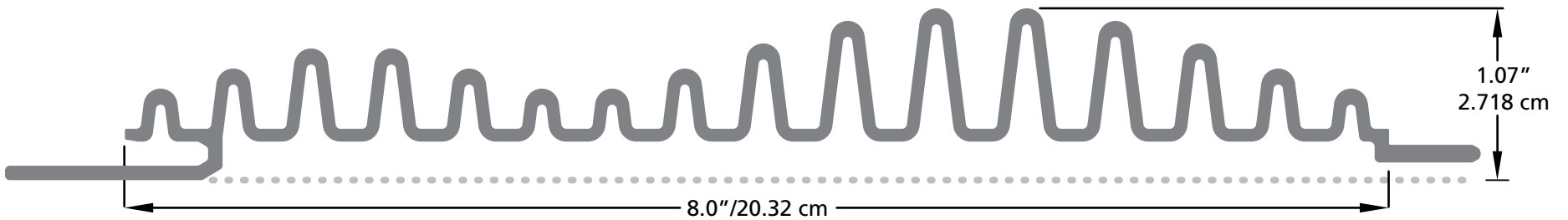
EM 7802 ■ Exchange 1



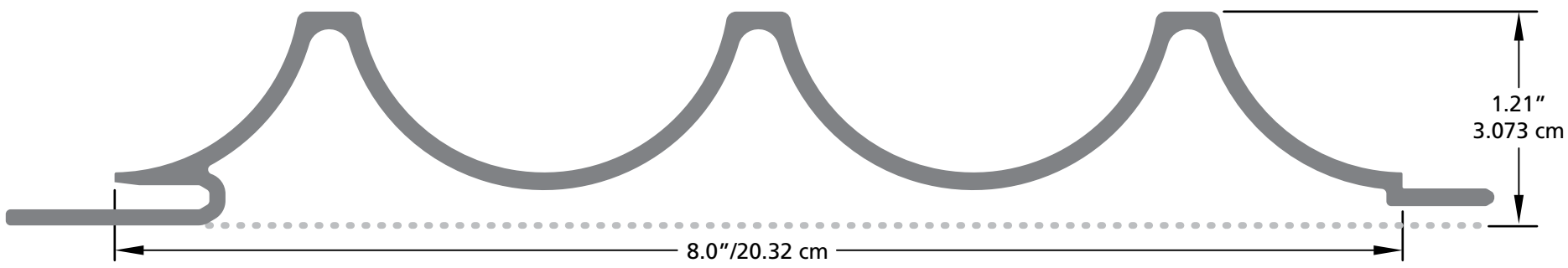
EM 7803 ■ Exchange 2



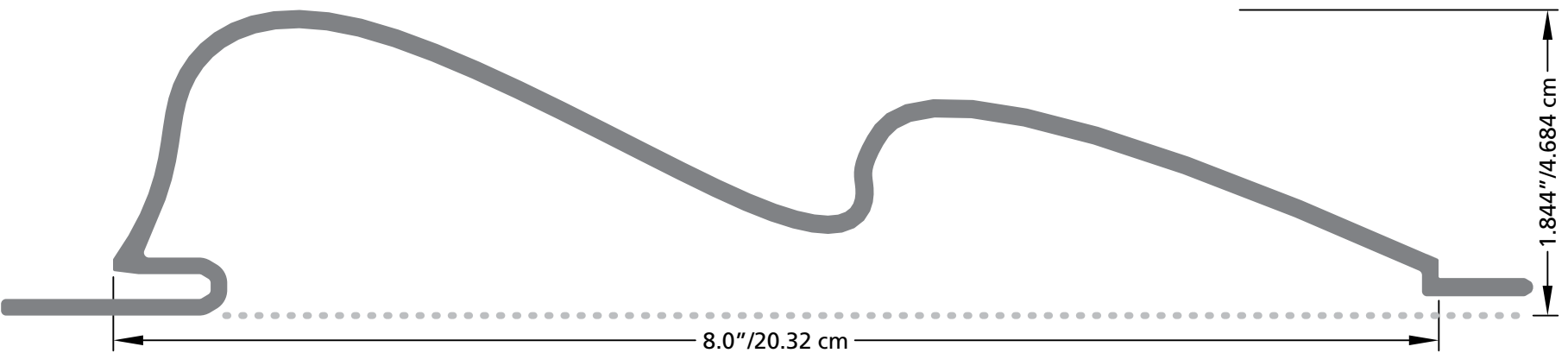
EM 7804 ■ Metal Valley



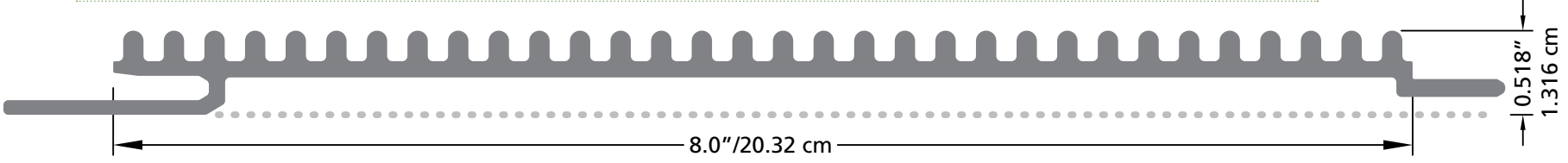
EM 7805 ■ Plaza



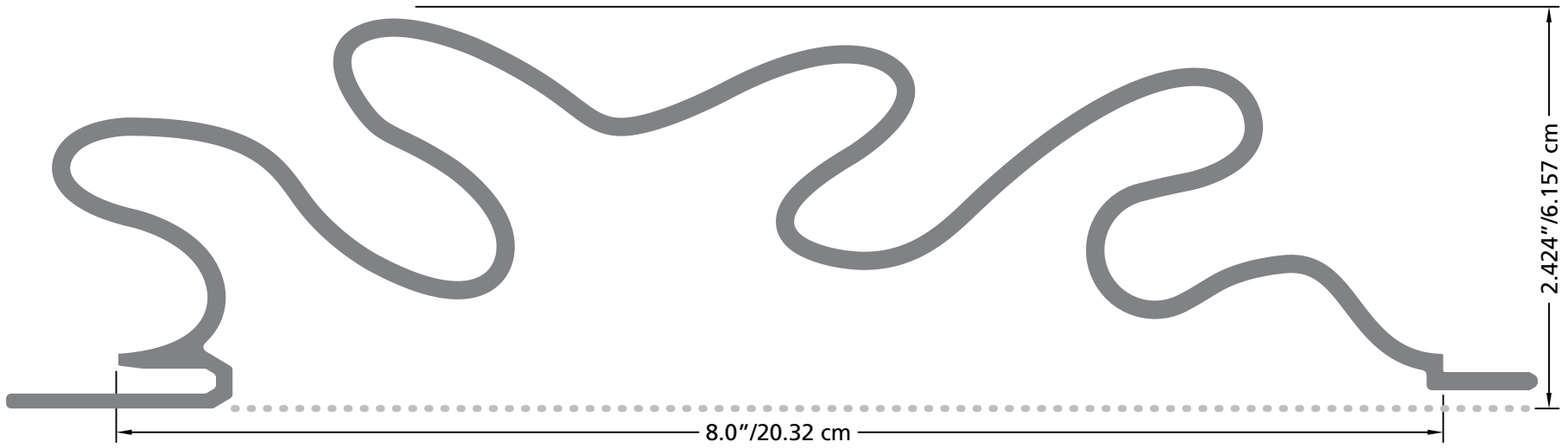
EM 7808 ■ Pacific Sail



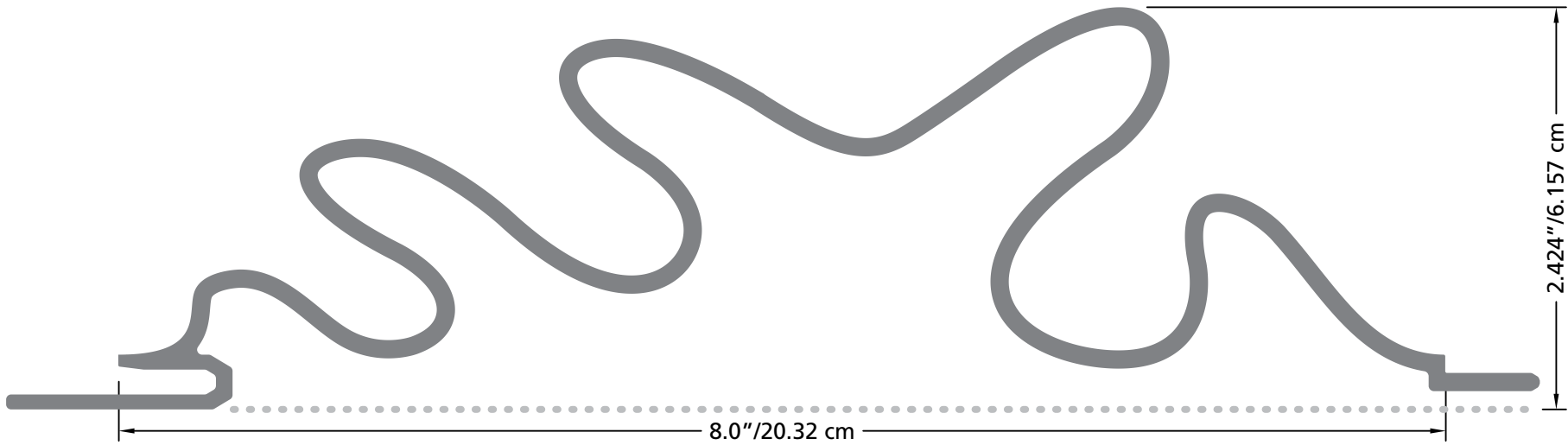
EM 7809 ■ Ashton



EM 7806 ■ Roman Fold 1

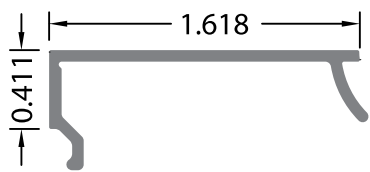


EM 7807 ■ Roman Fold 2



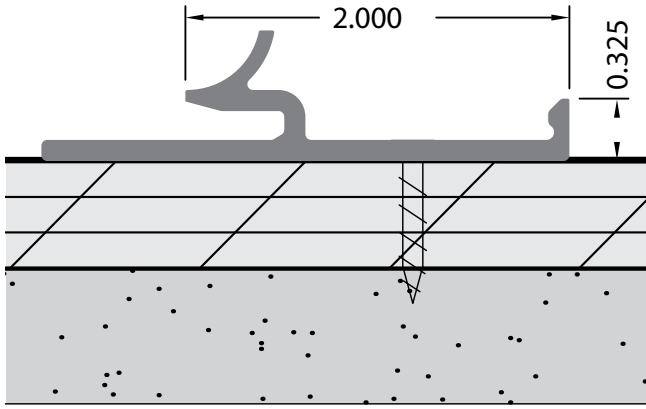
2 inch J-mold Clip Cover

Snap-fit
EM 78JC



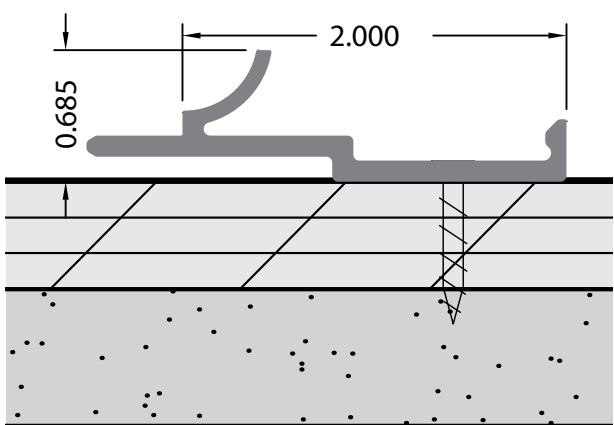
2 inch J-mold Clip Female

EM 78JF



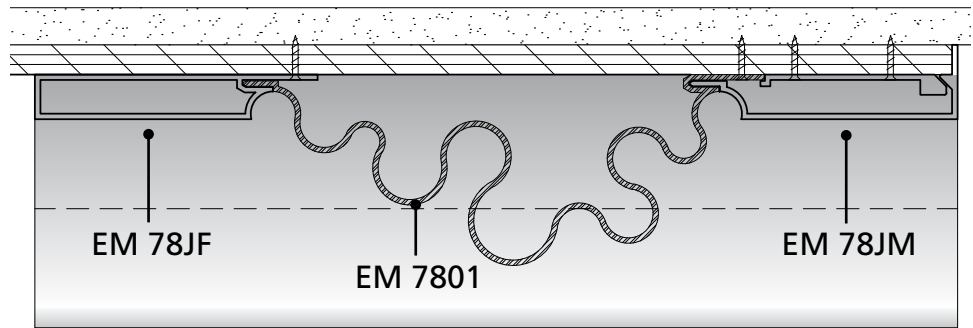
2 inch J-mold Clip Male

EM 78JM



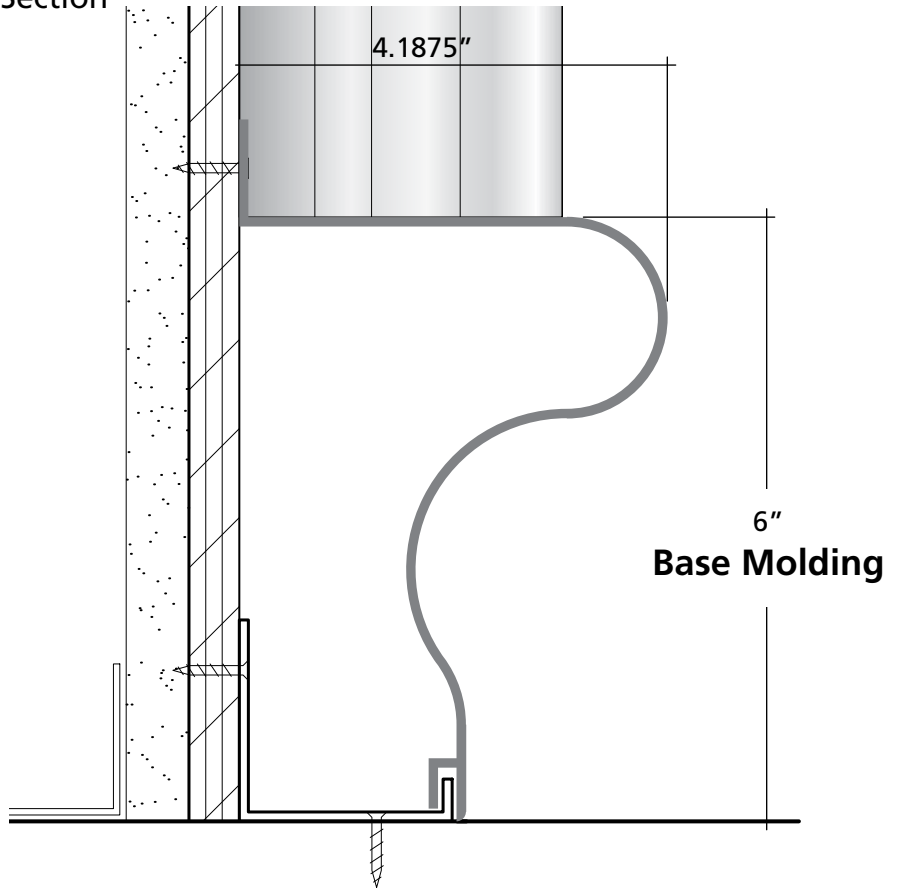
Base Molding A - EM 78BA

Plan View



Base Molding A - EM 78BA

Cross Section



Accessories profile images shown to scale.

Design #	Name	Weight/SF	Material Thickness	Width	Maximum Length	Alloy	Temper	Tensile Strength	Yield Strength
EM 7800	Little Earth 1	4 lbs./sf	0.11"	8"	20'	6063	T5	22,000 psi	16,000 psi
EM 7801	Little Earth 2	4.7 lbs./sf	0.11"	8"	20'	6063	T5	22,000 psi	16,000 psi
EM 7802	Exchange 1	2.4 lbs./sf	0.11"	8"	20'	6063	T5	22,000 psi	16,000 psi
EM 7803	Exchange 2	2.6 lbs./sf	0.11"	8"	20'	6063	T5	22,000 psi	16,000 psi
EM 7804	Metal Valley	3.3 lbs./sf	0.08"	8"	20'	6063	T5	22,000 psi	16,000 psi
EM 7805	Plaza	2.5 lbs./sf	0.11"	8"	20'	6063	T5	22,000 psi	16,000 psi
EM 7806	Roman Fold 1	3.3 lbs./sf	0.11"	8"	20'	6063	T5	22,000 psi	16,000 psi
EM 7807	Roman Fold 2	3.9 lbs./sf	0.11"	8"	20'	6063	T5	22,000 psi	16,000 psi
EM 7808	Pacific Sail	2.3 lbs./sf	0.11"	8"	20'	6063	T5	22,000 psi	16,000 psi
EM 7809	Ashton	3.1 lbs./sf	0.10"	8"	20'	6063	T5	22,000 psi	16,000 psi

Definitions

Temper refers to the combination of hardness and strength imparted to the aluminum alloy by mechanical or thermal treatments. A T5 temper produces the tensile and yield strengths represented in the above chart.

Tensile strength is defined as the maximum stress that a material can withstand while being stretched or pulled before failing or breaking.

Yield strength is the stress at which a specified amount of permanent deformation of a material occurs.



White Pearl



Honest Aluminum



Nordic Silver



Silver Mica



Champagne Metallic



Champagne Mist



Champagne



Pewter



Classic Copper



Satin Nickel



Nickel Pearl



Light Bronze



Rustic Copper



Antique Bronze



Oil Rubbed Bronze



Dark Bronze Pearl

For technical reasons associated with color reproduction, the colors shown on this page give only an indication of color and finish. No warranty or guarantee can be provided that they will exactly match the product as supplied. Finish samples are available on request.

Standard Finishes	Code	Type	Gloss	Color Variance	Hardness ASTM D-3363	AAMA	Max Length
Champagne	CH	AN	Satin	+/- 5 Delta E	4-6H	611	18'
Honest Aluminum	HA	AN	Satin	+/- 5 Delta E	4-6H	611	18'
Light Bronze	LB	AN	Satin	+/- 5 Delta E	4-6H	611	18'
Satin Nickel	SN	AN	Satin	+/- 5 Delta E	4-6H	611	18'
Antique Bronze*	AB	PC	Matte	+/-2 Delta E	0-2H	2603	20'
Champagne Metallic	CM	PC	Matte	+/-2 Delta E	2-4H	2604	20'
Oil Rubbed Bronze	ORB	PC	Matte	+/-2 Delta E	2-4H	2604	20'
Rustic Copper	RC	PC	Matte	+/-2 Delta E	2-4H	2604	20'
Silver Mica	SM	PC	Satin	+/-2 Delta E	2-4H	2604	20'
White Pearl	WP	PC	Gloss	+/-2 Delta E	2-4H	2604	20'
Champagne Mist	CHM	PFC	Satin	+/- 2 Delta E	H-2H	2605	20'
Classic Copper	CC	PFC	Satin	+/- 2 Delta E	H-2H	2605	20'
Dark Bronze Pearl	DBP	PFC	Satin	+/- 2 Delta E	H-2H	2605	20'
Nickel Pearl	NP	PFC	Satin	+/- 2 Delta E	H-2H	2605	20'
Nordic Silver	NS	PFC	Satin	+/- 2 Delta E	H-2H	2605	20'
Pewter	PW	PFC	Satin	+/- 2 Delta E	H-2H	2605	20'

Key

*Interior only – other finishes are both interior and exterior.

AN - Anodized Finish

PC - Powder Coat Finish

PFC – PVDF Coating (page 46)

AAMA - American Architectural Manufacturers Association
(Meets or exceeds specification listed above.)
Refer to gage78.com for AAMA specifications.

Delta E - Measurement of the distance in color space
between two colors

Anodizing

Also known as electrolytic passivation, anodizing is the process used to increase the thickness of the natural oxide layer of the aluminum surface. Anodizing increases corrosion and wear resistance, surface hardness and allows for selective dyeing or coloring although minor color variation is inherent in the process. We offer a standard selection of anodized finishes. Custom anodized finishes are rarely produced due to the nature of the process. Anodizing is environmentally safe emitting zero volatile organic compounds (VOCs).

Powder Coating

Powder Coating is an electrostatic application of a dry powder that is then cured by heat to form a durable cover skin over the aluminum substrate. Powder coat finishes are more durable than liquid paints with very little color variance. Custom powder coat finishes are offered by Gage 78 in addition to our standard powder coat finishes. Powder coating is also kind to the environment and emits zero VOCs.

PVDF Coating

PVDF (polyvinylidene fluoride) is a highly non-reactive plastic fluoropolymer used in high end liquid paints. PVDF coatings provide superior chemical and heat resistance making it an excellent choice for exterior architectural applications.

PVDF coatings offer superb color retention and consistency. It is also the best choice for specifiers looking for custom colors and finishes most of which we can mix in-house. This process does emit VOCs but they are totally contained within the manufacturing process.

Design

Pacific Sail

EM 7808

Champagne finish

Short Form Specification

Specifying Earth Metal™ is a simple process. Follow the short form guidelines listed below. Complete architectural/CSI specifications and installation guidelines can be downloaded from gage78.com.

Item: Gage 78 Earth Metal	Length: Refer to the finish matrix on page 45 for maximum length determined by finishing process.
Design: Enter specified design/name, i.e. EM 7804 Metal Valley	Finish: Enter name/code of finish per matrix on page 44-45, i.e. Honest Aluminum (HA).
Metal: 6063 Aluminum T5	Specification: Enter AAMA number per finish matrix, i.e. AAMA 611
Material Refer to the design matrix	System: Earth Metal mechanical attachment
Thickness: shown on page 43.	

General Comments

1. Renderings and shop drawings, if required, are available from Gage 78.
2. Standard lead times are typically 6 weeks. Contact customer service for expedited production schedules.
3. Quotations for standard products are provided within 24-48 hours of request.
4. Earth Metal currently has 10 standard designs and 16 standard finishes. Custom finishes are a specialty of Gage 78. Please contact your sales representative or the factory for custom designs or specialty finishes.

Environmental Statement

Gage 78, Inc. is dedicated to continual environmental improvement. As a member of the US Green Building Council (USGBC), Gage 78 promotes conservation, recycling, and efficient use of energy.

Earth Metal uses 66% recycled aluminum (50% post-consumer, 16% pre-consumer) creating an end product that is both recycled and eventually recyclable. Gage 78, Inc. is committed to a greener planet.

Mississippi River Valley

GAGE *78*
earth metal™
DIMENSIONAL SURFACING

877-784-4243 ■ 01-608-782-7178
info@gage78.com ■ gage78.com



G78-032013

Distribution by