METALWORKS™ Tin
Lay-in, Tegular, and Nail-up

Inspiring Great Spaces™

Armstrong®

CEILING & WALL SYSTEMS

Cast a Reflection

Meld a classic look with modern performance.

Now, you can get an extra microperforated acoustical tin ceiling with a grid concealing 9/16" Tegular edge.

Bring the glamour back.

With 10 standard and 24 premium patterns in six reflective finishes, you can add a little eye candy to your next design.

Drive vintage to the very corners.

Use a variety of decorative filler panels or one of many stylish cornices to complement 2' x 4' Nail-up panels.

METALWORKS™ Tin
Edge Details

9/16" Lay-in (L9)
15/16" Lay-in (L5)
Nail-up (NU – 2' x 4' only)

9/16" Tegular (T9)

15/16" Tegular (T5)

On the cover: MetalWorks Tin 9/16" Tegular item 56003 Extra Microperforated in Copper with Lay-in Filler item 56009 Extra Microperforated in Copper on Suprafine® 9/16" Exposed Tee suspension system in Bronze; Lancaster Dispensing Company, Lancaster, PA

Perforation Options

B1 (Unperforated)

B3 (Extra Microperforated)
Hole size: 0.7mm (.028")

KEY SELECTION ATTRIBUTES

- Industry's only:
  – Extra microperforated panels
    provide acoustics with minimal
    visual interruption
  – 9/16" Tegular panels reduce
    visibility of the suspension system
- Antique-type visuals with authentic
  details
- Variety of standard color and pattern
  options in 2' x 2' Lay-in and Tegular
  or 2' x 4' Nail-up sizes
- 2' x 2' 15/16" Lay-in coffer patterns
  available in three colors

- 18" x 18" Tin infill panels available for
  Metaphors® Coffers; for details, visit
  armstrong.com/metaphors
- Wide range of decorative accessories
- Coordinating Armstrong suspension
  system options
- Additional patterns, fillers and cornices
  available as premium options; for
  details, contact Architectural Specialties
  at 1 877 ARMSTRONG, select
  options 1-1-4

TYPICAL APPLICATIONS
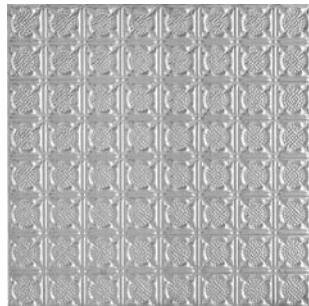
- Retail
- Restaurant
- Hospitality

METALWORKS™ Tin
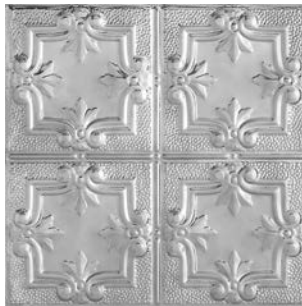Lay-in, Tegular, and Nail-up
smooth texture

PANELS – Standard* 2' x 2' (Lay-in or Tegular) or 2' x 4' (Nail-up)
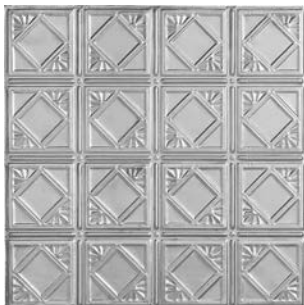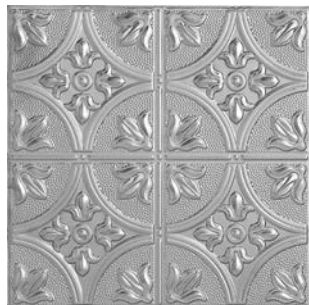
Item 56001

Item 56002

Item 56003

Item 56004

Item 56005

Item 56006

Item 56007

Item 56008

* Only items 56001, 56002, 56003, and 56004 are available with a Tegular edge detail.
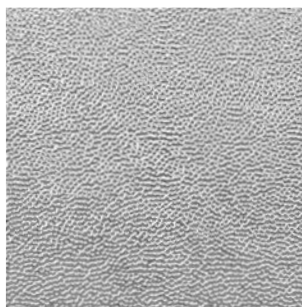 NOTE: Panels are directional and must be installed in the same direction.

COFFERS – Standard 2' x 2' (15/16" Lay-in only)

Borders/Fillers – Standard 2' x 2' (Lay-in only)

Item 6661

Item 6662

Item 56009

NOTE: Coffers items only available unperforated in White, Bare Steel, and Lacquered Steel finishes.

FINISHES (Available on standard and premium patterns, coffers, fillers, and cornices)

White (TWH)

Bare Steel (TNA)♦

Lacquered Steel (TLS)

Copper (TCP)

♦ Bare Steel is unfinished and must be field painted to prevent tarnishing over time. The Bare Steel finish may contain slight hairline markings that are visible at eye view, but are covered when painted.
  For customers who desire the look of natural steel, the Lacquered Steel finish is recommended. These tiles are clear lacquered on both sides and come with plastic PVC to prevent scratching.

  See MetalWorks Tin installation instructions (BPLA-297442) at armstrong.com/tin for more information.
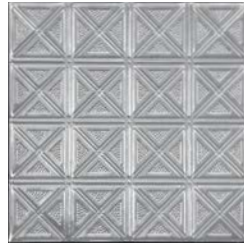
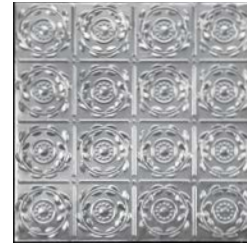## PANELS – Premium 2' x 2' (Lay-in) or 2' x 4' (Nail-up only)
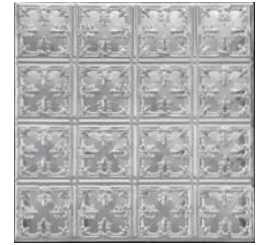
Item 6550
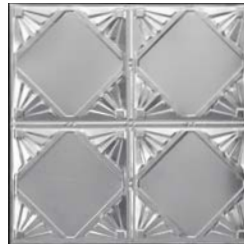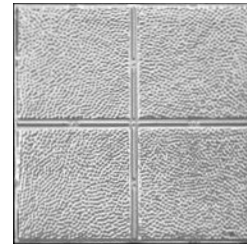
Item 6551

Item 6552

Item 6553

Item 6554

Item 6555

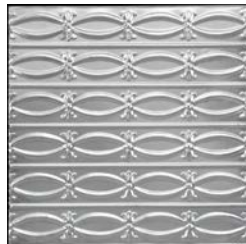Item 6556

Item 6557

Item 6558

Item 6559
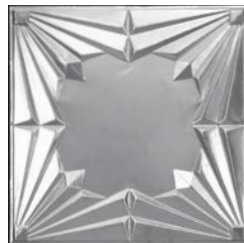
Item 6560

Item 6561

Item 6562

Item 6563

Item 6564

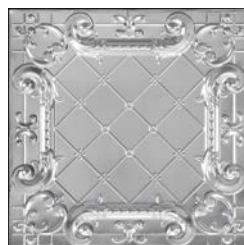Item 6565

Item 6566

Item 6567
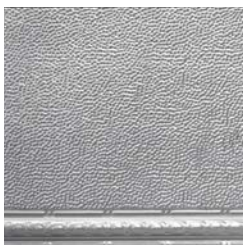
Item 6568

Item 6569

Item 6570
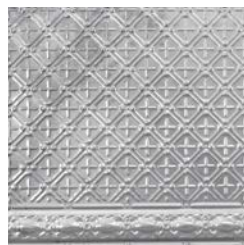
Item 6571

Item 6572

Item 6573

FILLERS – Premium 2' x 4' (Nail-up only)

Item 6574
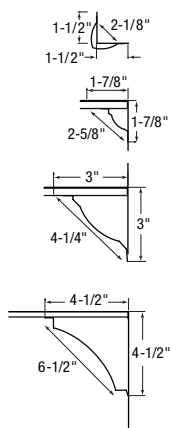(with 2-1/2" molding)

Item 6575
(with 3" molding)
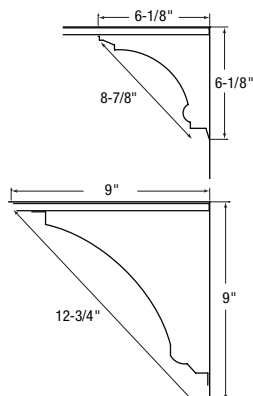
Item 6576
(with 4" molding)

Item 6577

For more information and to order premium patterns, fillers, and cornices, please contact the Architectural Specialties team at
1 877 ARMSTRONG, select options 1-1-4
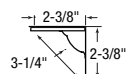
5

CORNICES – Standard (Nail-up only)*

1-1/2" | 2-1/8"
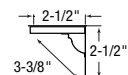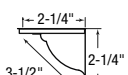1-1/2"

Item 56051 (corner molding)

1-7/8"
2-5/8" | 1-7/8"

Item 56053

3"
4-1/4" | 3"

Item 56052

4-1/2"
6-1/2" | 4-1/2"

Item 56054

6-1/8"
8-7/8" | 6-1/8"

Item 56055

9"
12-3/4" | 9"

Item 56056

CORNICES – Premium (Nail-up only)*
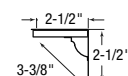
2-3/8"
3-1/4" | 2-3/8"

Item 6578

2-1/2"
3-3/8" | 2-1/2"

Item 6579

2-1/2"
3-3/8" | 2-1/2"

Item 6589

2-1/4"
3-1/2" | 2-1/4"

Item 6580

3-1/8"
4-1/2" | 3-1/8"

Item 6581

5"
7" | 5"

Item 6582

6"
9" | 6"

Item 6583

6"
9-1/4" | 6"

Item 6584

6-1/2"
9-1/4" | 6-1/2"

Item 6585

7-1/2"
10-7/8" | 7-1/2"

Item 6586

9-1/2"
13-1/2" | 9-1/2"

Item 6587

10-1/2"
15-1/2" | 10-1/2"
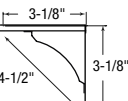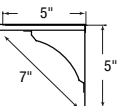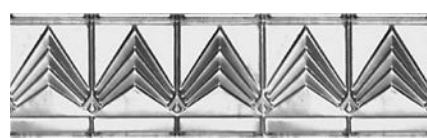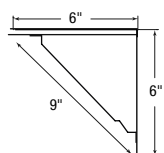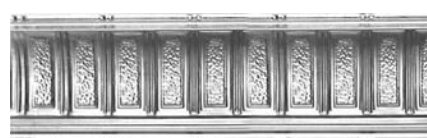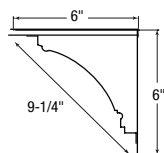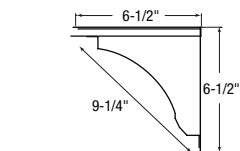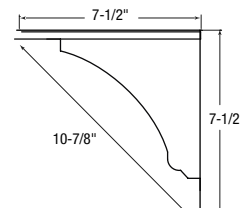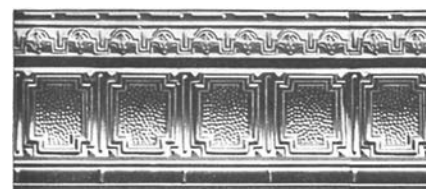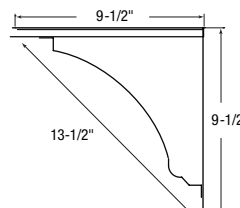
Item 6588

*NOTE: All cornices are 48" long

Nail-up item 56004 in Copper

Coffers Lay-in item 6662 in Lacquered Steel
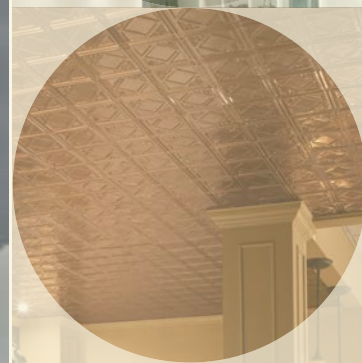
Nail-up item 56005 in Copper

MetalWorks™ Tin 15/16" Tegular item 56007
Extra Microperforated in Lacquered Steel;
The Burger Garage, Long Island City, NY

After: MetalWorks Tin 15/16" Tegular item 56007
Extra Microperforated in Lacquered Steel

Case Study

Project: The Burger Garage
Location: Long Island City, NY
Product: MetalWorks™ Tin Ceiling

Challenge: When owners Jim and Adam Pileski purchased an old Chinese/Italian restaurant, they knew they wanted to transform it into a high-quality burgers and fries establishment. They also knew they wanted to transform the look of the space from a traditional, but very outdated, ambiance to that 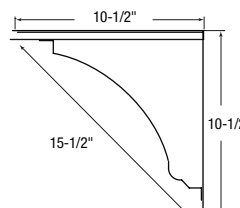of a vintage garage, thereby giving the space a whole new personality while keeping in sync with its location in a semi-industrial area.

Solution: Working with the owners, architect John Artuso completely gutted the space and created an interior design based around a retro garage look, including the use of old service station signs, gas pumps, hanging lamps, old tires, and classic 50's seating.

As part of the new design, he also replaced the existing traditional acoustical ceiling with a MetalWorks Tin ceiling from Armstrong in a lacquered steel finish. MetalWorks Tin ceilings are offered in eight standard decorative patterns, 24 special order patterns, and five standard finishes, including lacquered steel, bare steel, chrome (plated), copper (plated), and white.

"The introduction of the pressed tin look in the ceiling was a perfect complement to the industrial look the owners wanted," Artuso states. "Plus, the look and feel of metal was in line with everything else in the space."

The 2' x 2' Tegular ceiling panels are installed in a 15/16" suspension system in a coordinating color. The combination of the panel reveal edge and the grid color diminishes the overall visibility of the suspension system.

To enhance acoustics in the space, the panels are extra microperforated. The perforations are only 7mm in diameter, which makes them virtually invisible, but when backed with an acoustical fiberglass infill, the panels achieve a Noise Reduction Coefficient (NRC) of 0.85, meaning they absorb 85% of the sound that strikes them.

METALWORKS™ Tin
Lay-in, Tegular, and Nail-up
smooth texture

PATTERNS – STANDARD*

Edge Profile		Item Number ◆	Dimensions (Inches)		Fire Rating
METALWORKS™ Tin					
(L9) 9/16" Lay-in	(L5) 15/16" Lay-in	56001_ _ _ _ _ _ _	24 x 24" / 24 x 48" (Nail-up)	☐ ▭	Class A
(T9) 9/16" Tegular	(T5) 15/16" Tegular	56002_ _ _ _ _ _ _	24 x 24" / 24 x 48" (Nail-up)	☐ ▭	Class A
		56003_ _ _ _ _ _ _	24 x 24" / 24 x 48" (Nail-up)	☐ ▭	Class A
(NU) Nail Up†		56004_ _ _ _ _ _ _	24 x 24" / 24 x 48" (Nail-up)	☐ ▭	Class A
(L9) 9/16" Lay-in	(L5) 15/16" Lay-in	56005_ _ _ _ _ _ _ **	24 x 24" / 24 x 48" (Nail-up)	☐ ▭	Class A
		56006_ _ _ _ _ _ _	24 x 24" / 24 x 48" (Nail-up)	☐ ▭	Class A
(NU) Nail Up†		56007_ _ _ _ _ _ _	24 x 24" / 24 x 48" (Nail-up)	☐ ▭	Class A
		56008_ _ _ _ _ _ _	24 x 24" / 24 x 48" (Nail-up)	☐ ▭	Class A
		56009_ _ _ _ _ _ _	24 x 24" / 24 x 48" (Nail-up**)	☐ ▭	Class A
Coffers					
	15/16" Lay-in	6661B1L5_ _ _	24 x 24" Coffer	☐	Class A
		6662B1L5_ _ _	24 x 24" Coffer	☐	Class A

PERFORMANCE
Dots represent high level of performance.

Light Reflect	Wash	Scrub	Soil
(White Only)	Durability		
0.77	•	•	•
0.77	•	•	•
0.77	•	•	•
0.77	•	•	•
0.77	•	•	•
0.77	•	•	•
0.77	•	•	•
0.77	•	•	•
0.77	•	•	•
0.77	•	•	•
0.77	•	•	•
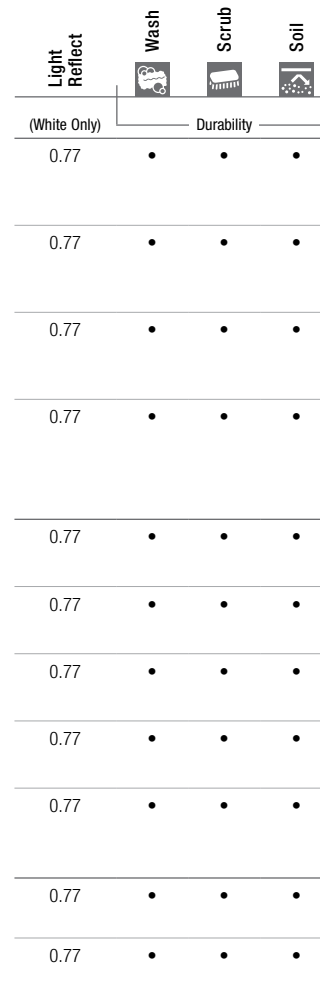
ACOUSTICAL INFORMATION

Perforation	% Open Area	NRC
B1	0%	–
B3	1.5%	0.25 / 0.85* •

* NRC 0.85 with optional fiberglass infill (item 8200100) when using Lay-in or Tegular panels (not applicable for Nail-up).

◆ When specifying or ordering, include the appropriate 2-letter edge detail, 2-letter perforation, and 3-letter color suffix with the item number. For example: 56001B 1 L 9 T N A is item 56001 Unperforated 9/16" Lay-in Bare Steel. For Coffers items, include 3-letter color suffix only (TWH, TNA, TLS).

† Nail-up panel unperforated only

** Larger scale available as an option custom item 6577

NOTE: Field painting extra microperforated panels will affect acoustical performance.

Item Numbering Key

Step 1: Choose a Pattern (Item #)	Step 2: Choose a Perforation (2-digit suffix)	Step 3: Choose an Edge detail (2-digit suffix)	Step 4: Choose a Color (3-digit suffix)
☐ 56001	☐ B1 = Unperforated	☐ L9 = Lay-in 9/16"	☐ TWH = White
☐ 56002	☐ B3 = Extra Microperforated	☐ L5 = Lay-in 15/16"	☐ TCP = Copper
☐ 56003		☐ T9 = Tegular 9/16"	☐ TNA = Bare Steel
☐ 56004		☐ T5 = Tegular 15/16"	☐ TLS = Lacquered Steel
☐ 56005		☐ NU = Nail-up (2' x 4')	
☐ 56006			
☐ 56007			
☐ 56008			
☐ 56009			

Example: 56001 B1 L9 TWH

METALWORKS™ Tin
Lay-in, Tegular, and Nail-up
smooth texture

SUSPENSION SYSTEM (See catalog for Prelude® XL® and Suprafine® XL components.)

15/16"	Prelude XL
9/16"	Suprafine XL

COORDINATING SUSPENSION SYSTEM COLORS Due to printing limitations, shade may vary from actual product.

MetalWorks Tin Color

White (TWH)	Copper (TCP)	Bare Steel (TNA) Lacquered Steel (TLS)	Bare Steel (TNA) Lacquered Steel (TLS)

Suspension System Color

White (WH)	Bronze (BZ)	Silver Satin (SA)	Gun Metal Grey (MY)

ACCESSORIES

Item Number	Description	Dimensions	Color	Pieces/Carton*
56051_ _ _◆	Cornice	1-1/2" x 2-1/8" x 48"	See above	–
56052_ _ _	Cornice	3" x 3" x 48"	See above	–
56053_ _ _	Cornice	1-7/8" x 1-7/8" x 48"	See above	–
56054_ _ _	Cornice	4-1/2" x 4-1/2" x 48"	See above	–
56055_ _ _	Cornice	6-1/8" x 6-1/8" x 48"	See above	–
56056_ _ _	Cornice	9" x 9" x 48"	See above	–
5600_ _	Conehead Nails (installs up to 200 SF per carton)	1-1/4"	See above	–
5600HDC	Hold Down Clips	–	–	1000 pcs/ctn
8200100	Fiberglass Infill Panel	2' x 2' x 1"	Black	12

◆ When specifying or ordering, include the appropriate 3-letter color suffix with the item number (56051TWH).

* Pieces per carton will vary based on order size.

PHYSICAL DATA

Material
Steel – thickness .010"
For Chrome and Copper panels:
Aluminum – thickness .020"

Surface Finish
Copper v – plated
Bare Steel – unfinished
White – factory-applied powder-coated finish
Lacquered Steel – factory-applied lacquered finish

Fire Performance
ASTM E84 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. Class A per IBC.

ASTM E1264 Classification
Fire Class – Class A
Unperforated steel ceiling panels – Type XX, Pattern J, Z
Perforated steel ceiling panels – Type XX, Pattern C, J, Z

Design Considerations
As a result of the strain put on panels when they are embossed, you may find it necessary to use hold down clips (item 5600HDC) to keep the panels flat in the suspension system. Due to the natural characteristics of Lay-in and Tegular edges on this tin product, panels may not lay flush.

MetalWorks Tin panels are produced from steel or aluminum and are designed to emulate an antique-type visual. Periodic "wrinkles" or dents may cause panels to appear not to be flat; these characteristics add to the antique effect and are not considered manufacturing defects.

Bare Steel is unfinished and must be field-painted to prevent tarnishing over time. The Bare Steel finish may contain slight hairline markings that are visible at eye view, but are covered when painted. For customers who desire the look of natural steel, the Lacquered Steel finish is recommended. These panels are clear lacquered on both sides and come with plastic PVC to prevent scratching.

See armstrong.com/tin for more details.

Recommended Suspension System
9/16" Suprafine® XL® suspension system
15/16" Prelude® XL suspension system

Warranty
Details at armstrong.com/warranty

Weight
Steel – 0.45 lbs/SF
Coffers – 0.52 lbs/SF
Aluminum – 0.38 lbs/SF

Armstrong®