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Pattern #12  
Black Lacquer Gloss

*TAB: ABOUT*



# ABOUT AMERICAN TIN CEILINGS

The American Tin Ceilings manufacturers and ships designer tin ceiling tiles from our production center in Bradenton, Florida. We pride ourselves on producing the highest quality, most competitively priced tin-plated steel tiles for our customers. Our design center is equipped with experts to assist in pattern selection, layout and product installation for all project types.

American Tin Ceilings offers an extensive selection of tin panels for ceilings, walls, retail accents, and backsplashes for residential and commercial applications. With high quality finishes, diverse patterns, competitive pricing, quick shipping, design support, and personalized service, it's easy to see why we're the preferred manufacturer of tin ceiling tiles across the US, Canada and the world.

Sales and service team members are experts in the selection and specification of residential and commercial job requirements. Design and drawing services are available at no cost for both consumers and commercial specifiers and installation questions are always welcome.

## *Why Us?*

We know you have lots of options shopping online and want you to feel confident you're getting the best value for your investment and making the best possible choice for your home improvement project. It's common to wonder "why shop with us" so here are just a few of the many reasons how we're different from any other distributor.

## *American Manufacturing Efficiency*

- We use the highest quality tin plated steel that is selected for performance and durability.
- We have substantial stamping presses that range from 120 tons to 300 tons that allow us to stamp the highest quality impressions using well-maintained molds of traditional tin patterns.
- Powder coating is done on one of two automatic conveyor belts for a consistent and permanent finish.
- Our production team is dedicated to producing quality products with short lead times.

## *We Sell Direct to Our Customers*

- No big box store or distributor markups.
- Our prices are significantly lower than national commercial brands and competitive with internet retailers. Our quality, support and short delivery times are the difference.
- We control the manufacturing process, which means we can provide the fastest delivery times.

## *Quality Customer Service*

- We have engineers and designers on staff to assist you in layout and ceiling design.
- We are available toll free 5 days a week by phone, email or live chat. We don't believe in automatic answering systems.
- Our team is friendly, knowledgeable and more than happy to assist with any questions, concerns or challenges.
- We are happy to help you determine your project needs and will consult one-on-one for color and pattern selection.

## *Quick and Efficient Delivery*

- We stock over 100,000 unfinished, stamped panels so we can ship your order faster than any other manufacturer or distributor.
- Consumers are often quoted 6-8 weeks for delivery from other companies. We ship in just 2-3 weeks depending upon color, the industry's fastest.

## *Expert Advice*

- We will help you choose the right style and installation type for your project.
- From general product inquiries to specific layout questions, don't be afraid to challenge us.
- We are available to you throughout entire process from ordering to installation.

# MANUFACTURING

## *We Are the Largest Manufacturer and Direct Shipper of Tin Ceiling Tiles in the World*

From receiving the metal to stamping the designs, powder coating the finishes and shipping the tiles directly to your door, we pride ourselves on offering 100% American-made products from our Bradenton, Florida location. As one of the only on-shore tin ceiling manufacturers and suppliers, you may be wondering how we can offer the lowest prices in the world for finished tiles without sacrificing quality materials or US jobs.

**We'll break down the process for you:**

## *American Tin Ceilings Purchases Large Coils Stock from US Steel Suppliers*

Based in the USA, our material manufacturers develop a wide range of steel products for the automotive, appliance, container, industrial machinery, construction, and oil and gas industries. We have developed a great relationship with our suppliers over the years so we are able to negotiate the lowest cost of raw materials and ensure availability to meet demand. Our panels are made with T1 grade tin-plated steel that is made from 25% recycled steel, with a 100% virgin coating.

## *Tin is Stamped and Embossed*

From our stamping presses, we emboss all 35+ patterns and are continually developing new designs. If you purchase unfinished tiles, they're now ready to ship. We stock over 100,000 unfinished panels in our warehouse so almost everything is ready to go as soon as you place an order.

## *Add Some Color*

Powder coating is a formula made of polyester resin, pigment and occasionally pulverized metal, which are electrostatically charged with opposing currents and sprayed onto the panels. This electricity ensures the product surface is evenly coated with long lasting adhesive, which is better for the environment and safer than regular paint because they emit no harmful VOCs (volatile organic compounds). We develop all of our own custom formulated colors and antiquing methods from industry leaders like Dupont and TCI that you won't find from any other manufacturer.

To finish the tiles, the panels are run through an automatic powder booth where spray guns are used to coat the panels with powder. Once the color sets, they are put into a 400-450 degree oven to melt the pigments and gel them to the tiles. This process ensures the highest quality, most authentic and long lasting finishes in the industry.

## *Shipping Direct to Your Door*

Orders are shipped by a variety of carriers depending on your location, and the size of the order. We ship internationally and offer the industry's best prices, often over 50% off standard freight rates through large volume deals negotiated with recognized carriers.

# FULFILLMENT

We package with care and only ship with companies we trust so your products get to your doorstep as fast as possible. Close relationships with shipping providers allow us to offer excellent customer service and the industry's lowest shipping rates on tin ceiling tiles.

We package all our products using heavy-duty double corrugate, high-density foam corners and industrial packing paper to ensure it arrives damage-free.

We ship orders direct Monday through Friday using FedEx Ground, Fed Ex Express, Fed Ex Freight, Con-way Freight, R&L Carriers, and Ceva Logistics.

We pack and ship all our products from our Bradenton, FL location so you get it faster.

We stock over 100,000 unfinished tin panels, which in most cases, can be shipped the next business day! To our knowledge, there are no other tin tile distributors that offer faster service.

We have multiple stamping presses and two industrial powder coat lines. From stamping to finishing, our products are proudly made right here in the USA.

No order is too big or too small. From giant commercial brands like Disneyland and Marriott Hotels to the average homeowner, we're here to help and assist with your tin purchase. We offer free design and layout services to you, your contractor or interior designer.

We offer a large selection of finishes to ensure you are able to find the right look for your home. Most colors (excluding Artisan) will ship within 2-3 weeks based on where we are in our color production cycle. Depending on where we are in the cycle, your order may even ship in just a few days. Artisan finishes require additional steps and therefore will ship in 4-5 weeks.

Be sure to ask your sales associate for a lead time when placing an order. We understand you may have a tight deadline and will do everything possible to accommodate requests – all you have to do is ask!

Our distribution center is an equal opportunity employer. We are composed of a group of 20 dedicated professionals that will do everything in our power to exceed your expectations and are committed providing you the best tin ceilings and backsplashes in the world.

# QUALITY

We maintain a strict policy of quality assurance. Our panels are the original .010 gauge tin-plated steel, reproductions of the high quality authentic tin panels used 130 years ago, not the inferior anodized aluminum, poly alloy or plastic sold by competitors.

American Tin Ceilings provides a variety of superior finishes not offered by other manufacturers. Our authentic tin ceiling panels are finished using a premium industrial powder-coating process. We have developed our own custom formulated colors and antiquing methods using high-end powders from industry leaders like Dupont and TCI. This process creates a beautiful, robust finish that is very durable and provides superior quality, producing the most attractive tin ceilings in the industry! To our knowledge, we are the only tin ceiling company in the world to utilize such a high-end finishing process. Our Artisan finishes begin with a powder-coated base and then continue through a hand finishing and distressing process that provides a beautifully authentic result. These Artisan finishes are significantly better than our competitors. Feel free to request a sample so we can prove it to you!

# MAINTENANCE

If panels need to be wiped down or washed, use a soft rag and mild detergent. Chemical cleaners are also acceptable. We suggest Simple Green. Do not use anything abrasive as this will dull the finish.

# WARRANTY

All of our products are manufactured from a T1 grade tin plated steel. This is generally referred to as "bright tinplate". The material thickness is 0.010". Our panels measure 2' x 2', our molding all come in 4' lengths. All of our finishes are powder coated. Powder coating is an electrostatic process where polyester resin is baked onto the panels at 400° F. Our faux finishes are hand applied over a powder coated base color. All of our products carry an ASTM E 84-03b approval (Surface Burning Characteristics of Building Materials).

If you are purchasing unfinished material, we do recommend applying your own finish. An oil based polyurethane clear coat or oil based primer prior to painting is recommended. If you do not finish the material, it will eventually rust.

Upon receipt of our products, the customer should inspect for any manufacturing defect, improperly applied finishes or shipping damage. This should be brought to our attention within (7) days of receipt of material. Any product that, in our opinion, has a manufacturing defect or shipping damage will be replaced at our expense. This is the extent of our coverage. Powder coating is inherently a lifetime finish.

# RETURNS

American Tin Ceilings allows returns on certain products up to seven days after delivery. If the product has not shipped, the cancellation policy would apply. Unfinished and standard color products are returnable minus a 25% restocking fee. The customer is responsible for return shipping costs. The product must return in new sellable condition and the customer must receive authorization within seven days of delivery. Premium and Artisan finishes, as well as Acoustical and Metric-Drop panels, are not returnable since these products are made to order. Please see pages 16 and 19 for a list of Premium and Artisan colors. Return packages not displaying a valid RMA number will be refused. RMA numbers are only valid for 14 days from issue date. RMA numbers beyond 14 days of issuance will be refused. Items returned via COD freight will also be refused. Credits/exchanges will be processed within 7-10 days of receipt of returned materials.

This policy also applies to damaged merchandise. Upon inspection of the damaged merchandise, if authorization for credit is approved, return freight will be credited and the 25% restocking fee will be waived.

# CANCELLATIONS

American Tin Ceilings allows cancellation of all unfinished product orders up to the point of shipment. Once an unfinished product has shipped, our Return Policy would apply. All standard color product orders are cancelable up to the point of production (powder coating). Once a standard color product is in production, the order can still be cancelled however a 25% restocking fee would apply. Once a standard color product order has shipped, our Return Policy would apply. We do not allow Artisan & Premium product orders to be cancelled once in production (powder coating). Artisan & Premium color products, as well as accessories such as paint, nails, cutters, tin snips, and installation kits are non-returnable product. To ensure you are happy with the color, we recommend ordering a sample before placing your product order.

If you need to make a cancellation request, please contact us immediately at 888.231.7500 Monday through Friday between 8am-8pm EST. Please understand that due to the high volume of emails received, requests sent via email may not be handled in time for your order to be cancelled. We strongly recommend you call and speak to one of our representatives.

Orders over \$2,000 will require a confirmation signature. An invoice containing the terms, conditions and cancellation policy will be emailed. Before these orders can be sent to production, we must receive the confirmation signature.

## OUR CUSTOMERS



## *TAB: HOW TO ORDER*



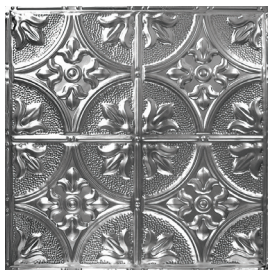
## STEP 1: SELECT YOUR PATTERN

Over 35 patterns available for your project.

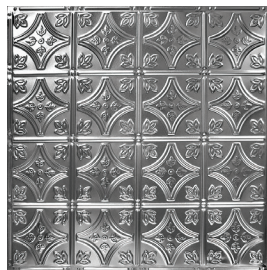
## HOW TO ORDER



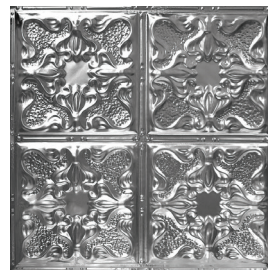
Pattern 1



Pattern 2



Pattern 3



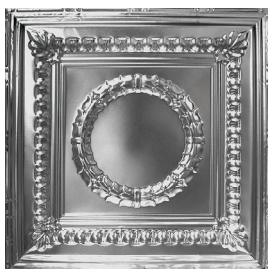
Pattern 4



Pattern 5



Pattern 6



Pattern 7



Pattern 8



Pattern 9



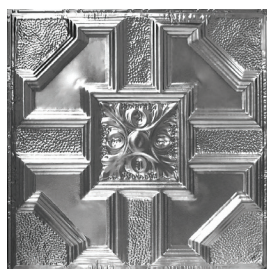
Pattern 10



Pattern 11



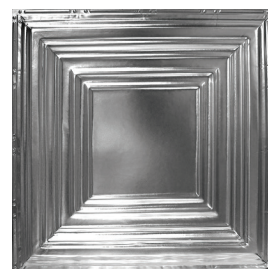
Pattern 12



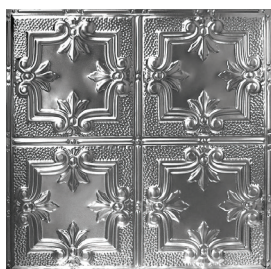
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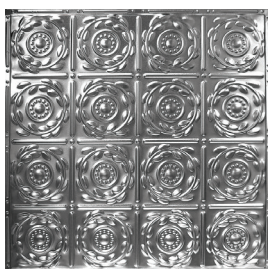
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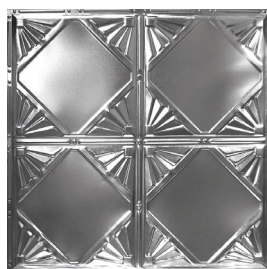
Pattern 15



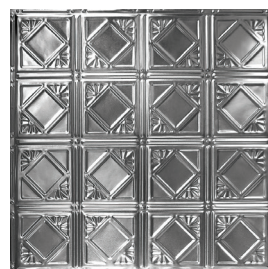
Pattern 16



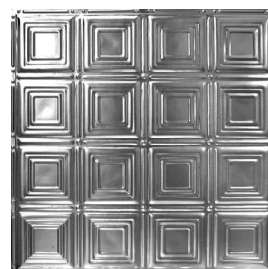
Pattern 17



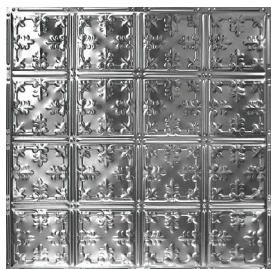
Pattern 18



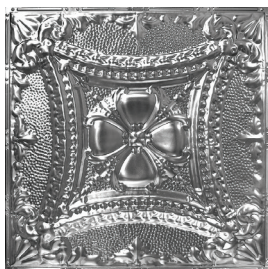
Pattern 19



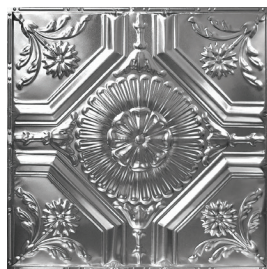
Pattern 20



Pattern 21



Pattern 22



Pattern 23



Pattern 24



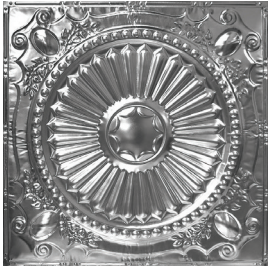
Pattern 25



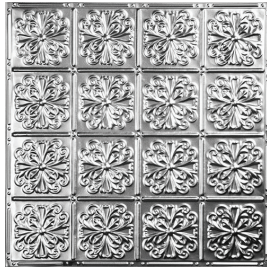
## STEP 1: SELECT YOUR PATTERN (continued)

Over 35 patterns available for your project.

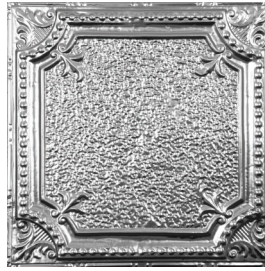
## HOW TO ORDER



Pattern 26



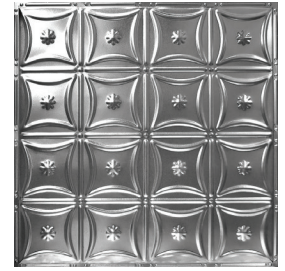
Pattern 27



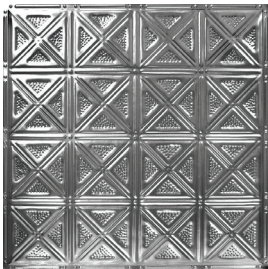
Pattern 28



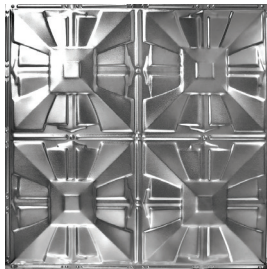
Pattern 29



Pattern 30



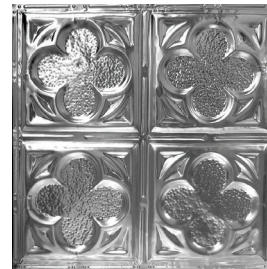
Pattern 31



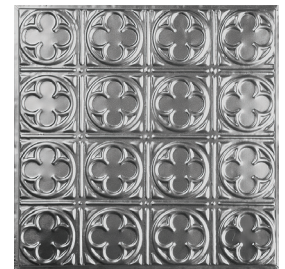
Pattern 32



Pattern 33



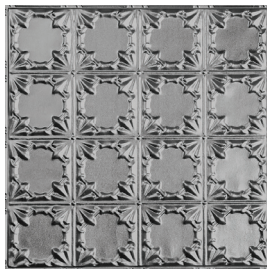
Pattern 34



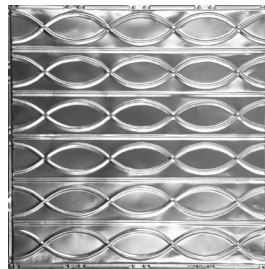
Pattern 35



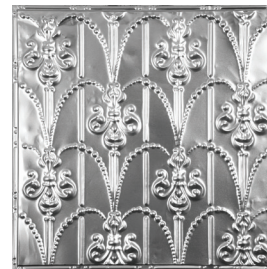
Pattern 36



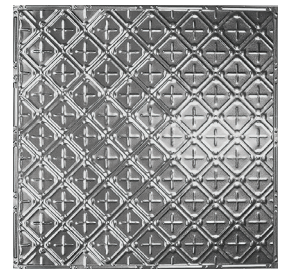
Pattern 37



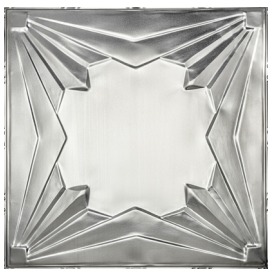
Pattern 38



Pattern 39



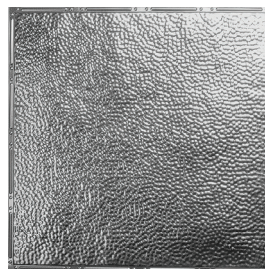
Pattern 40



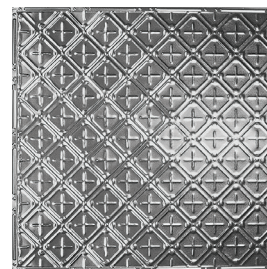
Pattern 41



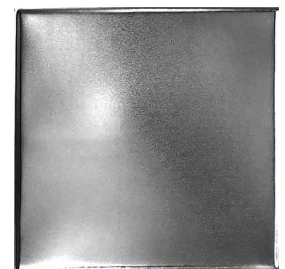
Pattern 42



Filler F1



Filler F2



Blank (Drop-In Only)

## PATTERN AVAILABILITY

- Nail-Up patterns 1–33, 35–42, F1, F2
- Drop-In patterns 1–42, F1, F2
- Snap Lock™ patterns 1–8, 10–14, 16–32, 36–38
- Metric Drop-In patterns 1–26, 30–32, 34–38, 41, F1, F2
- Acoustic Nail-Up patterns 1–10, 12, 14, 16–21, 23–25, 27–32, 35–38, 41
- Acoustic Drop-In patterns 1–10, 12, 14, 16–21, 23–25, 27–32, 35–38, 41
- Backsplash patterns 3, 17, 19–21, 30, 31, 35–37, 40

## STEP 2: SELECT YOUR COLOR

All colors are available on all patterns. Custom color inquiries are welcome.

Color determines product cost. Pricing can be found under the Price List tab.

## COLORS – STANDARD & PREMIUM

### STANDARD COLORS

Unfinished, Bright White Satin, Creamy White Satin, Stainless Steel Gloss, Brushed Satin Nickel and Bright White Satin

### PREMIUM COLORS

Ivory, Creamy White Granite, Pewter Antique Silver Gloss, Antique Brushed Nickel, Silver Granite Satin, Black Satin Textured, Copper Penny, Antique Rustic Copper, Royal Gold, Metallic Gold, 24K Gold, Old Bronze, Creamy White Granite, Copper Granite, Black Lacquer Gloss, Black Matte, Roman Bronze, Vintage Bronze, Bronze Gloss, Carmine Red

**All products are made to order and dye lots can vary between orders.** We recommend all customers order 1-3 extra panels and pieces of molding (depending on the size of the project and color), to ensure the same dye/impression lot in the case of mistakes. American Tin Ceilings will not be liable to any customers who order less than the necessary material quantities. The customer is ultimately responsible for ensuring that adequate quantities are ordered, regardless of any material estimates that may have been quoted by American Tin Ceilings' staff.

### PRODUCTION

Press timelines: Our die and press facility stamps product as dictated by inventory. We only stock unfinished (raw tin plated steel) material.

Finishing timelines: Our powder-coat production lines run each powder-coated finish every two weeks. Artisan finishes must be powder-coated then hand-finished which takes longer for delivery.

### DELIVERY

Orders are all processed the same day. An 'in stock' item (which includes only "Unfinished" tin materials) will typically ship in 1-2 business days plus 3-5 business days for ground shipping. Standard colors (Non-Artisan) will take between 2-3 weeks to ship. Artisan and 9/16" Drop-In panels ship within 4-5 weeks. Although we make every attempt to expedite each order, we cannot guarantee delivery dates estimated at the time of sale. If you are quoted a delivery date at the time of sale, that quote is tentative only and cannot be guaranteed. Overnight, second day or third day shipping may be available from FedEx, but the rates are expensive.

We are both the manufacturer and the distributor of the product so we can offer the lowest shipping prices possible. Product needs to be finished per order and therefore delivery can often be delayed. Regardless, we receive several orders a week from customers who have been waiting three months or more for products from our competitors. So, even under the most stressful production schedule we still lead the industry in price, service and quality.

\*We do not guarantee delivery dates at the time of sale. We advise against scheduling contractors prior to the receipt of your materials.



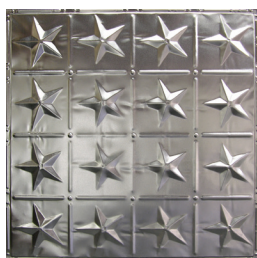
## STEP 2: SELECT YOUR COLOR (continued)

All colors are available on all patterns. Custom color inquiries are welcome.

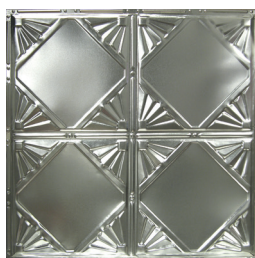
## COLORS — STANDARD & PREMIUM



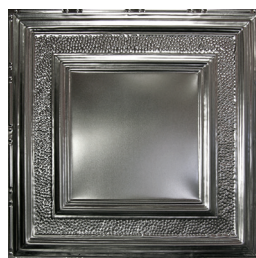
Unfinished (RAW)



Stainless Steel Gloss (SSG)



Brushed Satin Nickel (SBN)



Antique Silver Gloss (SAG)



Antique Brushed Nickel (SAN)



Bright White Gloss (WBG)



Bright White Satin (WBS)



Silver Granite Satin (SGS)



Creamy White Granite (WCG)



Creamy White Satin (WCS)



Almond (ALM)



Ivory (WIV)



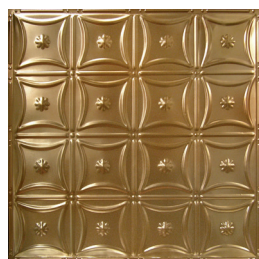
Metallic Gold (GMG)



Royal Gold (GRS)



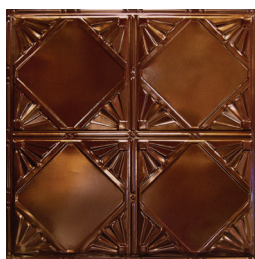
24k Gold (GTK)



Copper Penny (APC)



Rustic Copper (CRT)



Antique Rustic Copper (CAR)



Vintage Bronze (OVV)



Carmine Red (RCR)



Gunmetal (SGM)



Pewter (SPW)



Copper Vein (CPV)



Espresso (OES)



Old Bronze (OOB)



Roman Bronze (ORB)



Flat Matte Black (BMT)



Bronze Gloss (OBG)

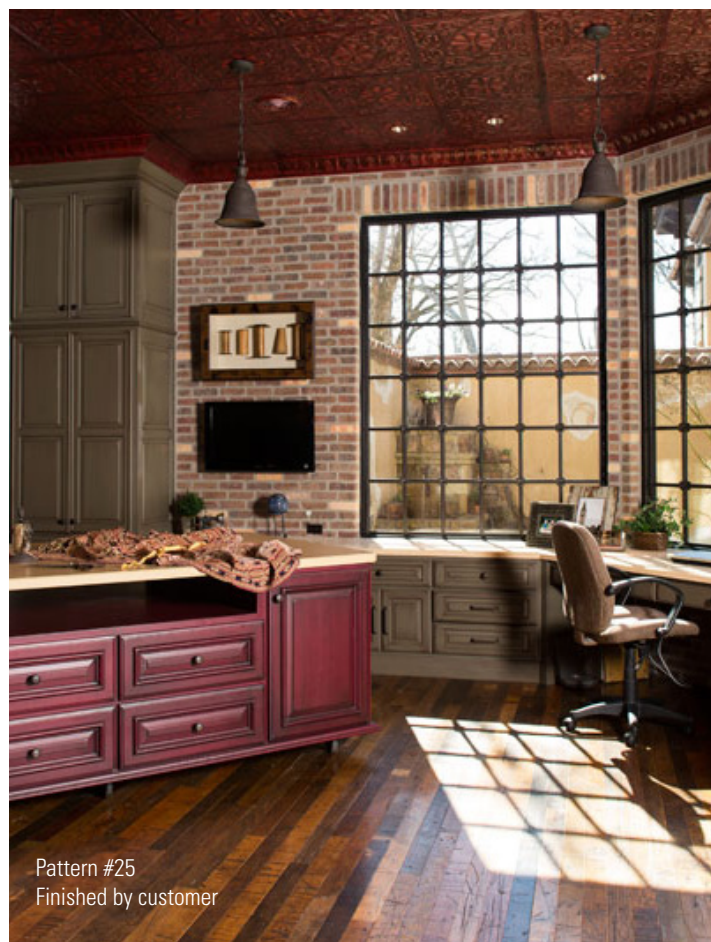


Black Textured Satin (BTS)



Black Lacquer Gloss (BLG)







## STEP 2: SELECT YOUR COLOR (continued)

All colors are available on all patterns. Custom color inquiries are welcome.

**COLORS** – ARTISAN

### ARTISAN COLORS

Copper Burnt Umber, Copper Tuscan Bronze, Copper Patina, Copper Brushed Bronze, Oil Rubbed Bronze, Gold Burnt Umber, Gold Brushed Bronze, Silver Burnt Umber, Silver Tuscan Bronze, Silver Brushed Bronze, Silver Washed Pewter, Silver Washed White, Gold Washed White, Gold Patina, Copper Washed White, Oil Rubbed Gold, Oil Rubbed Silver, Bordeaux, Soho, Silver Patina, Espresso Washed White

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We are both the manufacturer and the distributor of the product so we can offer the lowest shipping prices possible. Product needs to be finished per order and therefore delivery can often be delayed. Regardless, we receive several orders a week from customers who have been waiting three months or more for products from our competitors. So, even under the most stressful production schedule we still lead the industry in price, service and quality.

\*We do not guarantee delivery dates at the time of sale. We advise against scheduling contractors prior to the receipt of your materials.

## STEP 2: SELECT YOUR COLOR (continued)

All colors are available on all patterns. Custom color inquiries are welcome.

**COLORS** – ARTISAN



Copper Burnt Umber (CBU)



Copper Tuscan Bronze (CTB)



Copper Patina (CPP)



Copper Brushed Bronze (CBB)



Gold Patina (GPP)



Oil Rubbed Bronze (FOD)



Gold Burnt Umber (FBU)



Gold Brushed Bronze (GBB)



Silver Patina (SPP)



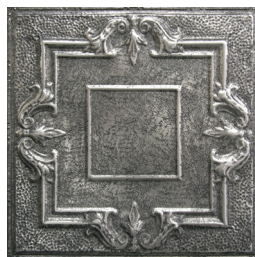
Oil Rubbed Gold (FOG)



Silver Burnt Umber (SBU)



Silver Tuscan Bronze (STB)



Silver Washed Pewter (SWP)



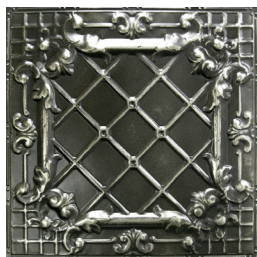
Silver Washed White (SWW)



Gold Washed White (FGW)



Copper Washed White (CWW)



Oil Rubbed Silver (FOS)



Silver Brushed Bronze (SBB)



Bordeaux (SBD)



Espresso Washed White (OEW)



Espresso Patina (OPP)



Soho (WSO)



Silver Washed Gold (GSW)







## STEP 2: SELECT YOUR COLOR (continued)

All colors are available on all patterns. Custom color inquiries are welcome.

**CUSTOM** COLORS & PATTERNS

Whether you are interested in using a custom color on one of our existing patterns or in creating your very own pattern, we can easily help you create your own unique tin panels. Contact us with your ideas for the custom panels. Call 844-801-6215 or email [design@americantinceilings.com](mailto:design@americantinceilings.com).



**CUSTOM COLOR:**  
Blue washed copper on  
acoustic pattern #2



**CUSTOM COLOR:**  
White washed black on  
pattern #22

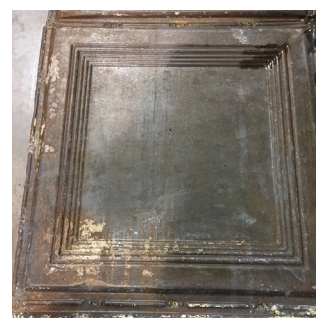


**CUSTOM COLOR:**  
RAL 4008 on acoustic pattern #23



**CUSTOM PATTERN:**  
A pattern mold created from  
original panels

We can also create custom panels using old panels as a template through our restoration process.



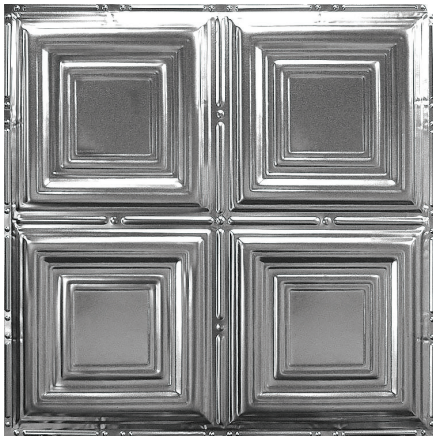
## STEP 3: SELECT YOUR INSTALLATION TYPE

## HOW TO ORDER

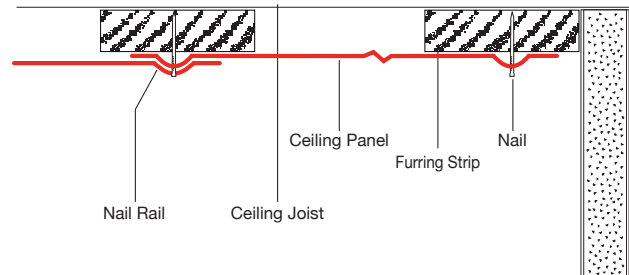
### NAIL-UP

Ideal for applications such as hotels, bars, restaurants, retail stores, lobby areas, and private residences.

*Top View:*



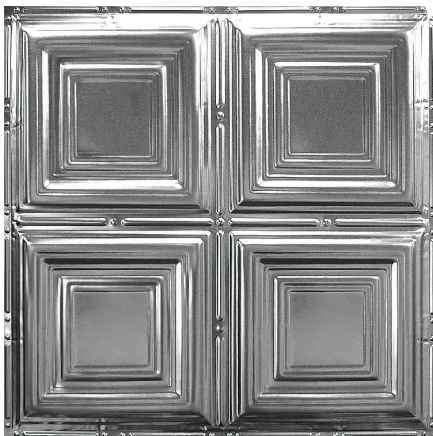
*Cross Section View:*



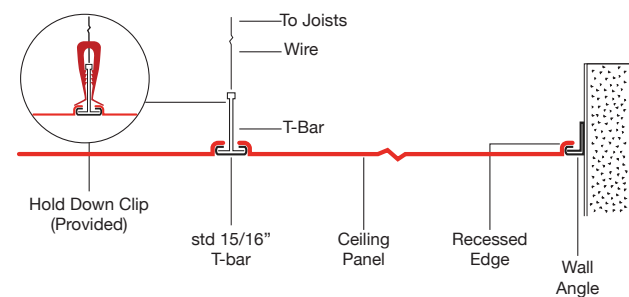
### DROP-IN

Drop-In ceiling panels have recessed edges which enable them to sit flush in the grid. Fits all standard 2' x 2' grids (Available in  $\frac{9}{16}$ " and  $\frac{15}{16}$ " wide suspended T-bar grid systems set on 24" centers.)

*Top View:*



*Cross Section View:*





## STEP 3: SELECT YOUR INSTALLATION TYPE (continued)

## HOW TO ORDER

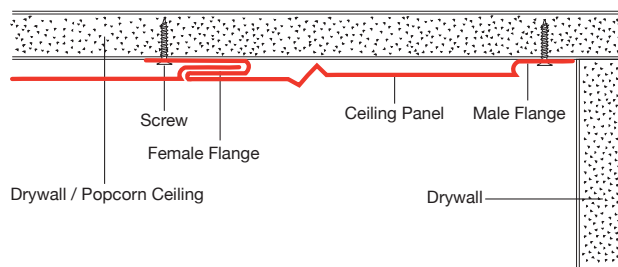
### SNAP LOCK™

Patented Snap Lock™ panels are designed to install directly into drywall or plaster with drywall screws.

*Top View:*



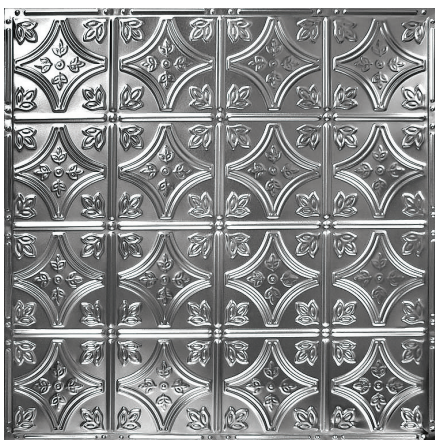
*Cross Section View:*



### BACKSPLASH

Original installation method used for 150 years. Apply to wall with an adhesive like Liquid Nails or Power Grab by Loctite.

*Top View:*



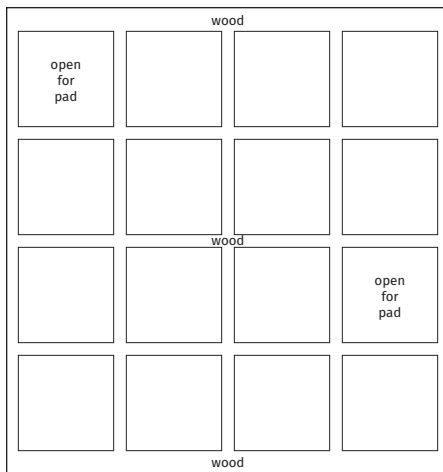
## STEP 3: SELECT YOUR INSTALLATION TYPE (continued)

## HOW TO ORDER

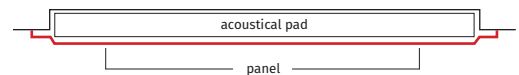
### ACOUSTIC NAIL-UP

Acoustical Panels are microperforated, which can reduce noise up to 85% when used in conjunction with an acoustical pads. Requires wood grid on 24" centers in both directions to provide space for acoustical pads. A 2" x 4" wood stud grid will be sufficient.

Wood Grid System View:



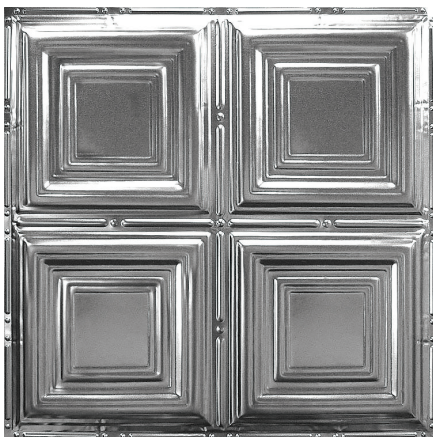
Cross Section View:



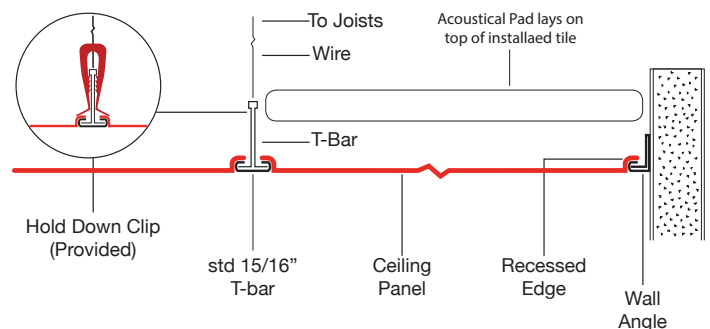
### ACOUSTIC DROP-IN

Acoustical Panels are microperforated, which can reduce noise up to 85% when used in conjunction with an acoustical pads. Fits standard  $1\frac{5}{16}$ " grid system on 24" centers. Panels also available for  $\frac{9}{16}$ " grid system on 24" centers.

Single Panel View:

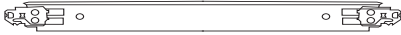

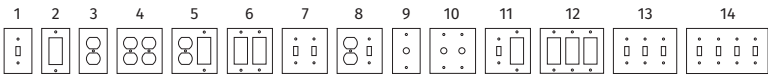
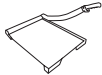
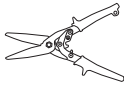

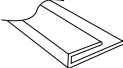
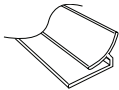





Cross Section View:



## STEP 4: SELECT YOUR ACCESSORIES

## HOW TO ORDER

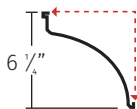
Product	Code*	Type	Size	Color	Installation Type(s)	Description
<b>2' Cross Tee</b> 	CROSST	$\frac{9}{16}$ " $1\frac{5}{16}$ "	2' Length	Standard White	Drop-In	2' Cross Tee for standard suspended ceiling grid systems. This product is commonly used to convert a 2' x 4' grid into a 2' x 2' grid. Available in a standard white finish ready to be painted.
<b>Drop-In Clips</b> 	CLIP	Recycled Material	Standard		Drop-In	Ratchets over t-bar securing drop-in panels to the grid to prevent gaps.
<b>Switch Plates</b> 	BP	Stainless Steel	Various	Available in all colors		Wall plate coverings available in all colors. Fourteen plates to select from, finished to match backsplash panel colors.
<b>Guillotine Cutter</b> 	CUTTE	Martin Yale W24	19" x 24"		All	Popular tool used for straight cutting of tin panels. Requires two cuts per panel, not used for Snap Lock™ flange.
<b>Tin Snips</b> 	SNIP	Aviation	Long Nose		All	Drop forged Chrome-Molybdenum Alloy steel blades. Serrated edged blades, induction hardened. Cuts 20 gauge cold rolled sheet metal and 24 gauge stainless steel sheet metal.
<b>Cone Head Nails</b> 	NAIL	Stainless	1 1/4" x 0.080"	Steel, White, Copper, Stainless Steel	Nail-Up	Decorative nails used for the installation of backsplash, Nail-up style panels, crown molding, and flat molding.
<b>Edge (J-Channel) Trim</b> J 		Stainless Steel	4' Length	Available in all colors	Nail-Up (Backsplash/Wall)	Edge (J-Channel) trim is offered for backsplash and wall applications. The edge of the panel slips into the 1/4" channel. Sold in four foot lengths.
<b>Inside Corner (L-Channel) Trim</b> L 	L	Stainless Steel	4' Length	Available in all colors	Nail-Up (Backsplash/Wall)	Inside Corner (L-Channel) trim is offered for backsplash and wall applications. The edge of the panel slips into the 1/4" channel. Sold in four foot lengths.
<b>3oz Touch-up Paint</b> 	TPAINT	Sherwin Williams Latex Paint	3oz	Bright White Satin, Bright White Gloss, Creamy White Satin	All	Used for touching up small areas, wood moldings, and other accessories.
<b>16oz Spray Paint</b> 	PAINT	DAR Automotive Paint	16oz	Bright White Satin, Bright White Gloss, Creamy White Satin, Royal Gold, Rustic Copper Translucent	All	Coverage area of 200 square feet for painting suspended ceiling grids.
<b>Acoustical Pad</b> 	APAD	CMA, Inc.	23 3/4" x 23 3/4"	Black PVC Film	Drop-In Nail-Up	Acoustical Pads are used in conjunction with Acoustical Drop-In or Nail-Up tiles to reduce noise, improve sound quality and reduce echo. These high performance pads have a Noise Reduction Coefficient (NRC) of 0.85, meaning 85% of the sound energy that contacts the material is absorbed.

## STEP 5: SELECT YOUR MOLDING

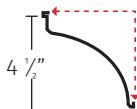
All moldings may be finished with the same powder coat and Artisan finishes to match our panels.

## HOW TO ORDER

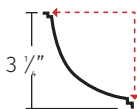
**C1 Cornice**  
6 1/4" Projection  
Concave



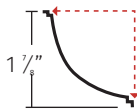
**C2 Cornice**  
4 1/2" Projection  
Concave



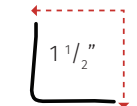
**C3 Cornice**  
3 1/4" Projection  
Convex



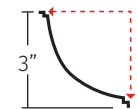
**C4 Cornice**  
1 7/8" Projection  
Convex



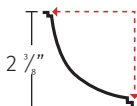
**C7 Cornice**  
1 1/2" Projection  
Convex



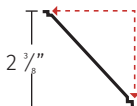
**C8 Cornice**  
3" Projection  
Convex



**C9 Cornice**  
2 3/8" Projection  
Convex



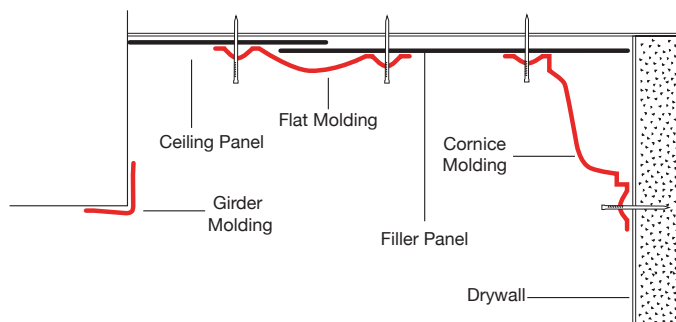
**C10 Cornice**  
2 3/8" Projection  
Straight



**G1 Girder**  
1 1/2" Projection  
Convex

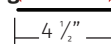


Product*	Width	Length	Projection	Finish	Weight (lbs.)
C1	8 3/4"	4'	6 1/4"	All	1.30
C2	6 1/2"	4'	4 1/2"	All	0.90
C3	4 1/2"	4'	3 1/4"	All	0.35
C4	2 1/2"	4'	1 7/8"	All	0.35
C7	2 3/8"	4'	1 7/8"	All	1.00
C8	4 1/2"	4'	3"	All	1.00
C9	3 1/2"	4'	2 3/8"	All	1.00
C10	3 1/2"	4'	2 3/8"	All	1.00
M1	4 1/2"	4'	-	All	0.65
M2	3 1/2"	4'	-	All	0.55
M3	3 1/2"	4'	-	All	0.55
G1	1 1/2"	4'	1 1/2"	All	0.35
J1	5/16"	4'	1/16"	All	0.25
L1	1/2"	4'	-	All	0.25



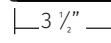
**M1 Flat Molding**

4 1/2" Width



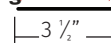
**M2 Flat Molding**

3 1/2" Width



**M3 Flat Molding**

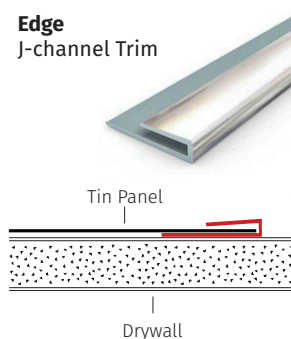
3 1/2" Width



## BACKSPLASH AND WALL TRIM

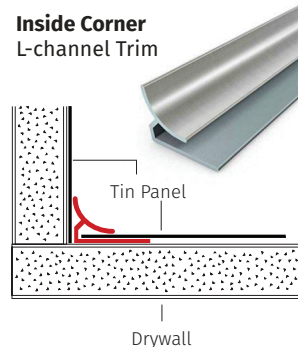
**Edge**

J-channel Trim



**Inside Corner**

L-channel Trim





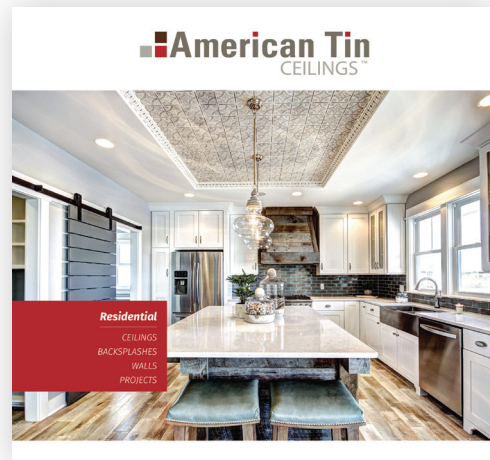
# HOW TO ORDER

## COMMERCIAL CATALOG

We have both commercial and residential brochures available with information about our different tin ceiling panels and installation methods. These brochures may be useful to give designers and architects a better idea of our product offering. We are happy to mail brochures upon request.



*Commercial Catalog*



*Residential Catalog*

## SAMPLE PROGRAM

We offer a commercial sample program that comprises the following materials:

- *Color Sample Kit:* 6" x 6" tin tile samples of all color finishes
- *Full Size Samples:* 2' x 2' full size tin tile samples for pattern scale



*6" x 6" Color Chip Samples*



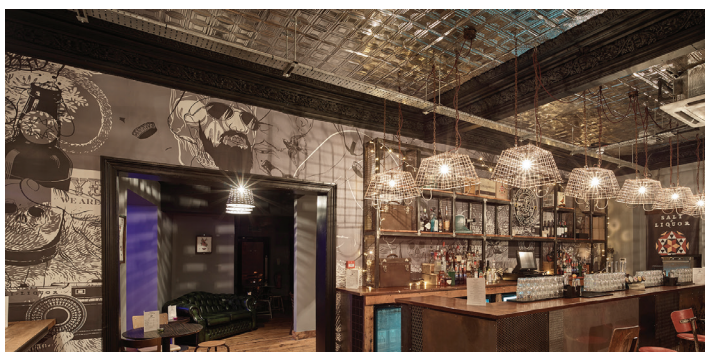
*2' x 2' Pattern Samples*

*To request materials, call 844-801-6215 or email [design@americantinceilings.com](mailto:design@americantinceilings.com)*

*TAB: PRICE LIST*

Color Code	Color	List Price			List Price	List Price	List Price	List Price	List Price
Standard Unfinished		Nail & Drop	Snap (+\$5)	Acoustic (+\$7)	C1 Crown	C2 Crown	C3-C10 Crown	M1-M3 & Girder	Edge & Inside Corner (4')
RAW	Unfinished	\$8.00	\$15.00	\$16.00	\$9.90	\$8.80	\$7.70	\$7.70	\$15.40

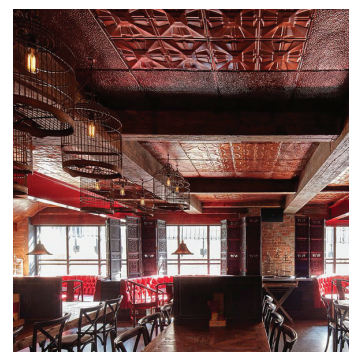
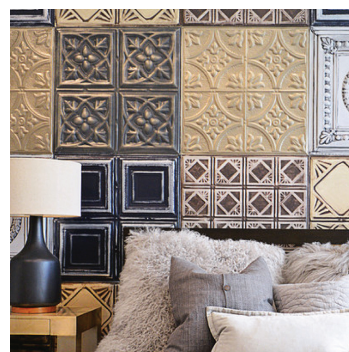
Color Code	Color	List Price			List Price	List Price	List Price	List Price	List Price
Standard Colors		Nail & Drop	Snap (+\$5)	Acoustic (+\$7)	C1 Crown	C2 Crown	C3-C10 Crown	M1-M3 & Girder	Edge & Inside Corner (4')
WAL	Almond	\$15.00	\$22.00	\$23.00	\$13.50	\$12.40	\$11.30	\$11.30	\$17.60
SAN	Antique Brushed Nickel	\$15.00	\$22.00	\$23.00	\$13.50	\$12.40	\$11.30	\$11.30	\$15.40
CAR	Antique Rustic Copper	\$22.25	\$29.25	\$30.25	\$17.90	\$16.80	\$15.70	\$15.70	\$19.80
SAG	Antique Silver Gloss	\$16.00	\$23.00	\$24.00	\$14.60	\$13.50	\$12.40	\$12.40	\$15.40
BLG	Black Lacquer Gloss	\$16.00	\$23.00	\$24.00	\$13.50	\$12.40	\$11.30	\$11.30	\$17.60
BMT	Black Matte	\$16.00	\$23.00	\$24.00	\$13.50	\$12.40	\$11.30	\$11.30	\$17.60
BTS	Black Textured Satin	\$16.00	\$23.00	\$24.00	\$13.50	\$12.40	\$11.30	\$11.30	\$17.60
WBG	Bright White Gloss	\$15.00	\$22.00	\$23.00	\$13.50	\$12.40	\$11.30	\$11.30	\$17.60
WBS	Bright White Satin	\$15.00	\$22.00	\$23.00	\$13.50	\$12.40	\$11.30	\$11.30	\$17.60
OBG	Bronze Gloss	\$20.00	\$27.00	\$28.00	\$14.60	\$13.50	\$12.40	\$12.40	\$19.80
SBN	Brushed Satin Nickel	\$15.00	\$22.00	\$23.00	\$13.50	\$12.40	\$11.30	\$11.30	\$15.40
RCR	Carmin Red	\$20.00	\$27.00	\$28.00	\$14.60	\$13.50	\$12.40	\$12.40	\$19.80
APC	Copper Penny	\$15.00	\$22.00	\$23.00	\$14.60	\$13.50	\$12.40	\$12.40	\$19.80
CPV	Copper Penny Vein	\$20.00	\$27.00	\$28.00	\$16.80	\$15.70	\$14.60	\$14.60	\$19.80
WCG	Creamy White Granite	\$15.00	\$22.00	\$23.00	\$13.50	\$12.40	\$11.30	\$11.30	\$17.60
WCS	Creamy White Satin	\$15.00	\$22.00	\$23.00	\$13.50	\$12.40	\$11.30	\$11.30	\$17.60
OES	Espresso	\$16.00	\$23.00	\$24.00	\$14.60	\$13.50	\$12.40	\$12.40	\$19.80
SGM	Gun Metal	\$18.00	\$25.00	\$26.00	\$14.60	\$13.50	\$12.40	\$12.40	\$15.40
WIV	Ivory	\$15.00	\$22.00	\$23.00	\$13.50	\$12.40	\$11.30	\$11.30	\$17.60
WMT	Matte White	\$15.00	\$22.00	\$23.00	\$13.50	\$12.40	\$11.30	\$11.30	\$17.60
GMG	Metallic Gold	\$20.00	\$27.00	\$28.00	\$16.80	\$15.70	\$14.60	\$14.60	\$19.80
OOB	Old Bronze	\$20.00	\$27.00	\$28.00	\$14.60	\$13.50	\$12.40	\$12.40	\$19.80
SPW	Pewter	\$16.00	\$23.00	\$24.00	\$14.60	\$13.50	\$0.00	\$12.40	\$15.40
ORB	Roman Bronze	\$20.00	\$27.00	\$28.00	\$14.60	\$13.50	\$12.40	\$12.40	\$19.80
GRS	Royal Gold	\$16.00	\$23.00	\$24.00	\$14.60	\$13.50	\$12.40	\$12.40	\$19.80
CRT	Rustic Copper Translucent	\$15.00	\$22.00	\$23.00	\$16.80	\$15.70	\$14.60	\$14.60	\$19.80
SGS	Silver Granite Satin	\$20.00	\$27.00	\$28.00	\$13.50	\$12.40	\$11.30	\$11.30	\$17.60
SSG	Stainless Steel Gloss	\$15.00	\$22.00	\$23.00	\$13.50	\$12.40	\$11.30	\$11.30	\$15.40
OVB	Vintage Bronze	\$20.00	\$27.00	\$28.00	\$16.80	\$15.70	\$14.60	\$12.40	\$19.80





Color Code	Color	List Price			List Price	List Price	List Price	List Price	List Price
	Artisan Colors	Nail & Drop	Snap (+\$5)	Acoustic (+\$7)	C1 Crown	C2 Crown	C3-C10 Crown	M1-M3 & Girder	Edge & Inside Corner (4')
SBD	Bordeaux	\$40.00	\$47.00	\$48.00	\$28.60	\$28.60	\$23.10	\$23.10	\$24.20
CBB	Copper Brushed Bronze	\$45.00	\$52.00	\$53.00	\$28.60	\$28.60	\$23.10	\$23.10	\$24.20
CBU	Copper Burnt Umber	\$45.00	\$52.00	\$53.00	\$28.60	\$28.60	\$23.10	\$23.10	\$24.20
CPP	Copper Patina	\$45.00	\$52.00	\$53.00	\$28.60	\$28.60	\$23.10	\$23.10	\$24.20
CTB	Copper Tuscan Bronze	\$45.00	\$52.00	\$53.00	\$28.60	\$28.60	\$23.10	\$23.10	\$24.20
CWW	Copper Washed White	\$45.00	\$52.00	\$53.00	\$28.60	\$28.60	\$23.10	\$23.10	\$24.20
OPP	Espresso Patina	\$40.00	\$47.00	\$48.00	\$28.60	\$28.60	\$23.10	\$23.10	\$24.20
OEW	Espresso Washed White	\$40.00	\$47.00	\$48.00	\$28.60	\$28.60	\$23.10	\$23.10	\$24.20
GBB	Gold Brushed Bronze	\$45.00	\$52.00	\$53.00	\$28.60	\$28.60	\$23.10	\$23.10	\$24.20
FBU	Gold Burnt Umber	\$45.00	\$52.00	\$53.00	\$28.60	\$28.60	\$23.10	\$23.10	\$24.20
GPP	Gold Patina	\$40.00	\$47.00	\$48.00	\$28.60	\$28.60	\$23.10	\$23.10	\$24.20
FGW	Gold Washed White	\$45.00	\$52.00	\$53.00	\$28.60	\$28.60	\$23.10	\$23.10	\$24.20
FOD	Oil Rubbed Bronze (Dark)	\$45.00	\$52.00	\$53.00	\$28.60	\$28.60	\$23.10	\$23.10	\$24.20
FOG	Oil Rubbed Gold	\$45.00	\$52.00	\$53.00	\$28.60	\$28.60	\$23.10	\$23.10	\$24.20
FOS	Oil Rubbed Silver	\$40.00	\$47.00	\$48.00	\$28.60	\$28.60	\$23.10	\$23.10	\$24.20
SBB	Silver Brushed Bronze	\$40.00	\$47.00	\$48.00	\$28.60	\$28.60	\$23.10	\$23.10	\$24.20
SBU	Silver Burnt Umber	\$40.00	\$47.00	\$48.00	\$28.60	\$28.60	\$23.10	\$23.10	\$24.20
SPP	Silver Patina	\$40.00	\$47.00	\$48.00	\$28.60	\$28.60	\$23.10	\$23.10	\$24.20
STB	Silver Tuscan Bronze	\$40.00	\$47.00	\$48.00	\$28.60	\$28.60	\$23.10	\$23.10	\$24.20
SWG	Silver Washed Gold	\$45.00	\$52.00	\$53.00	\$28.60	\$28.60	\$23.10	\$23.10	\$24.20
SWP	Silver Washed Pewter	\$40.00	\$47.00	\$48.00	\$28.60	\$28.60	\$23.10	\$23.10	\$24.20
SWW	Silver Washed White	\$40.00	\$47.00	\$48.00	\$28.60	\$28.60	\$23.10	\$23.10	\$24.20
WSO	Soho	\$40.00	\$47.00	\$48.00	\$28.60	\$28.60	\$23.10	\$23.10	\$24.20

N&D = Nail-Up / Drop-In / S = Snap Lock™ / All molding / trim is in 4' lengths



Product	Code	Type	Size	Color	Installation Type(s)	List Price
Backsplash Installation Kit					Backsplash	\$31.95
2' Cross Tee	CROSST	9/16" or 15/16"	2' Length	Standard White	Drop-In	\$2.00
Drop-In Clips	CLIP	Recycled Material	Standard	Black	Drop-In	\$12.00 (50)
Acoustical Pads	APAD	CMA, Inc.	23 ¾" x 23 ¾"	Black PVC Film	Drop-In, Nail-Up	\$40.00 (5) \$200.00 (25)
Cone Head Nails	NAIL	Stainless	1 ¼" x 0.080" (1lb box)	Steel, White, Copper, Stainless	Nail-Up	\$5.50 (Steel) \$8.00 (White) \$9.00 (Copper) \$10.00 (Stainless)
Guillotine Cutter	CUTTE	Martin Yale W24	19" x 24"		All	\$189.00
Tin Snips	SNIP	Aviation	Long Nose		All	\$20.00
Spray Paint	PAINT	DAR Automotive Paint	16oz	Bright White Satin, Bright White Gloss, Creamy White Satin, Royal Gold, Rustic Copper Translucent	All	\$13.00
Touch-Up Paint	TPAINT	Sherwin Williams Latex	3oz	Bright White Satin, Bright White Gloss, Creamy White Satin	All	\$3.00
Switch Plate #1 - Single Toggle	BP	Stainless	Various	Available in all colors		\$6.00-\$17.00
Switch Plate #2 - Single Decora	BP	Stainless	Various	Available in all colors		\$6.00-\$17.00
Switch Plate #3 - Single Duplex	BP	Stainless	Various	Available in all colors		\$6.00-\$17.00
Switch Plate #4 - Double Duplex	BP	Stainless	Various	Available in all colors		\$6.00-\$17.00
Switch Plate #5 - Duplex with Decora	BP	Stainless	Various	Available in all colors		\$6.00-\$17.00
Switch Plate #6 - Double Decora	BP	Stainless	Various	Available in all colors		\$6.00-\$17.00
Switch Plate #7 - Double Toggle	BP	Stainless	Various	Available in all colors		\$6.00-\$17.00
Switch Plate #8 - Toggle with Duplex	BP	Stainless	Various	Available in all colors		\$6.00-\$17.00
Switch Plate #9 - Coaxial Outlet	BP	Stainless	Various	Available in all colors		\$6.00-\$17.00
Switch Plate #10 - Double Coaxial Outlet	BP	Stainless	Various	Available in all colors		\$6.00-\$17.00
Switch Plate #11 - Toggle with Decora	BP	Stainless	Various	Available in all colors		\$6.00-\$17.00
Switch Plate #12 - Triple Decora	BP	Stainless	Various	Available in all colors		\$6.00-\$17.00
Switch Plate #13 - Triple Toggle	BP	Stainless	Various	Available in all colors		\$6.00-\$17.00
Switch Plate #14 - Quad Toggle	BP	Stainless	Various	Available in all colors		\$6.00-\$17.00

## ***TAB: NAIL-UP INSTALLATION***





Pattern #6  
Copper Brushed Bronze



## Applications

Ideal for applications such as hotels, bars, restaurants, retail stores, lobby areas, and private residences.

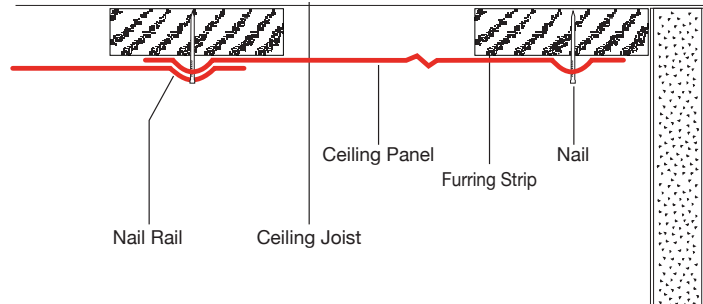
## Features & Benefits

- Material: T1 grade tin-plated steel
- Size: 24" x 24"
- Thickness: 0.010"
- Fire Rating: ASTM E 84-03b
- Patterns: Over 35 patterns
- Colors: Over 50 colors
- Made in USA

## Installation

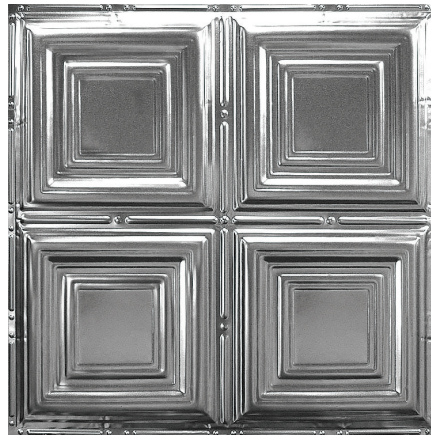
- Used on wood substrate.
- Requires plywood, furring strips, or joists.
- Each panel contains a  $\frac{3}{8}$ " nail rail that overlaps tight seams.
- Install by hand nailing, using Cone Head Nails that we sell.
- Install by Brad Nailer, using 18-gauge brad nails. (25 PSI)

### Cross Section View:



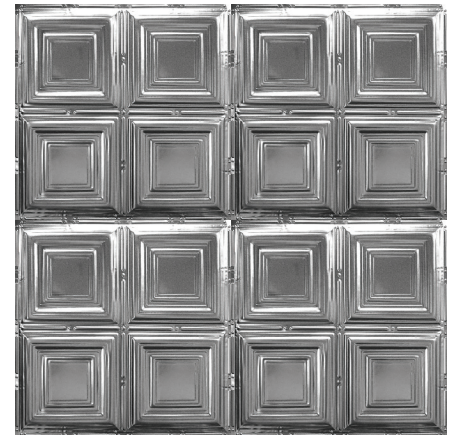
### Single Panel View:

(2' x 2')



### Multiple Panel View:

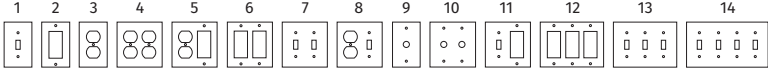
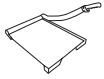
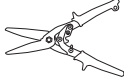



(4' x 4')



### Available Patterns:

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	35	36	37	38	39	41	42
F1	F2								

# NAIL-UP INSTALLATION ACCESSORIES

Product	Code*	Type	Size	Color	Installation Type(s)	Description
<b>Switch Plates</b> 	BP	Stainless Steel	Various	Available in all colors		Wall plate coverings available in all colors. Fourteen plates to select from, finished to match backsplash panel colors.
<b>Guillotine Cutter</b> 	CUTTE	Martin Yale W24	19" x 24"		All	Popular tool used for straight cutting of tin panels. Requires two cuts per panel, not used for Snap Lock™ flange.
<b>Tin Snips</b> 	SNIP	Aviation	Long Nose		All	Drop forged Chrome-Molybdenum Alloy steel blades. Serrated edged blades, induction hardened. Cuts 20 gauge cold rolled sheet metal and 24 gauge stainless steel sheet metal.
<b>Cone Head Nails</b> 	NAIL	Stainless	1 1/4" x 0.080"	Steel, White, Copper, Stainless Steel	Nail-Up	Decorative nails used for the installation of backsplash, Nail-up style panels, crown molding, and flat molding.
<b>3oz Touch-up Paint</b> 	TPAINT	Sherwin Williams Latex Paint	3oz	Bright White Satin, Bright White Gloss, Creamy White Satin	All	Used for touching up small areas, wood moldings, and other accessories.
<b>16oz Spray Paint</b> 	PAINT	DAR Automotive Paint	16oz	Bright White Satin, Bright White Gloss, Creamy White Satin, Royal Gold, Rustic Copper Translucent	All	Coverage area of 200 square feet for painting suspended ceiling grids.

# NAIL-UP INSTALLATION GENERAL INFO

## Ceiling Components:

A tin ceiling is comprised of two primary components and two optional components. The primary components are the tin ceiling panels and the crown molding. Optional components are flat molding/rope molding and filler. These components are generally used when the design layout requires it.

## Backsplashes and Other Applications:

Tin panels can be used for more than just beautifying your ceiling. Our customers have used our tin panels for various applications such as walls, backsplashes, fireplaces, counter tops, cupboards, doors, wainscoting, accent pieces, headboards, art décor, metal sculpture and more. The applications are limited only by your imagination.

## Layout:

There are a variety of layout possibilities with tin, including the use of molding, filler panels, and more. You can view all of the different possibilities to create unique and dramatic ceilings on our website at [www.AmericanTinCeilings.com](http://www.AmericanTinCeilings.com).

## Tools and Materials:

See your project installation instructions for the specific materials list for your project type.

- **Tin panels:** American Tin Ceilings has three types of panels depending upon the type of installation: Nail-Up is used for traditional applications on a wood substrate, and for all backsplash, wall, and wainscoting projects (use adhesive instead of nails for these applications). Snap Lock™ is used for installation over dry-wall or popcorn ceilings. Drop-In panels are used with standard 2' x 2' systems that have 15/16" grid widths.
- **Crown/Flat Molding:** Matching tin molding is available from American Tin Ceilings. Wood molding can be purchased at a local hardware store.
- **Fasteners:** Cone head nails and/or brad nails (Nail-Up panels), #6 drywall screws (Snap Lock™ panels), Loctite® Power Grab® Adhesive (Nail-Up panels for backsplash, wall and project applications)
- **Construction adhesive:** Loctite® Power Grab® (Backsplash, Wall and Project applications)
- **Caulking:** DAP silicone latex painter's caulk (for Nail-Up and Snap Lock™ application types)
- **Touch-up paint:** AmericanTinCeilings.com carries a selection of touch-up paints. If you prefer, your local hardware store or automotive paint supplier may be able to match if provided with a sample.
- **Tools (Depending upon installation type):** Ladders / Scaffolding / Drill / Tin snips / Metal shears / Guillotine cutter / Hammers / Nail gun / Chalk line / Tape measure

# NAIL-UP INSTALLATION GENERAL INFO

## PAINTING

**Painting:** No water-based products can be used directly on the metal tiles or molding; however, you can use an oil-based primer. Once the tiles have been primed, you are able to use a paint of your choice. Sherwin Williams and Benjamin Moore also offer DTM (direct-to-metal) paints. The DTM paints can be painted directly on the metal and will eliminate the need to use a primer.



**Clear Coat:** No water-based paint can be used directly on the metal. The best choices are an oil-based polyurethane or a lacquer.

**For more info, please visit:**

[www.AmericanTinCeilings.com/resources/painting.html](http://www.AmericanTinCeilings.com/resources/painting.html)

## CUTTING TIN

**Metal shears / Tin snips:** These tools can be purchased at [www.AmericanTinCeilings.com](http://www.AmericanTinCeilings.com).

**Guillotine paper cutters:** Heavy-duty tabletop paper cutters similar to those used in schools and office environments. Every job requires cutting of varying lengths. We carry the Martin Yale 'Premiere' Cutter at manufacture cost.



**RotoZip tool:** Great for can lights and applications that require circular cuts.

## FIXTURES & VENTS

**Light fixtures, chandeliers, recessed lighting, vents, etc., can easily be accommodated by tin ceiling panels.**

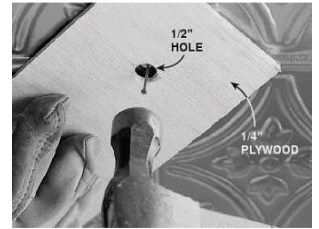
1. Remove the fixture
2. Trace the fixture perimeter onto the tin panel
3. Cut out traced area with tin snips
4. Install cut tin on ceiling
5. Re-install fixture over installed tin

# NAIL-UP INSTALLATION GENERAL INFO

## NAIL-UP CEILING INSTALLATION

**Required Substrate Material:** 3/8" Plywood • 7/16" OSB Board • Furring strips on 12" centers

1. Determine the center point of the ceiling by snapping a chalk line diagonally from corner to corner of the ceiling. The "X" where the chalk lines intersect is the center of your ceiling.
2. Set your first ceiling tile with the edges square to wall in the center of the "X" of your chalk line. Using an 18 gauge brad nail gun or cone head nails, nail your tile to the ceiling. **Note:** If hand-hammering the nails, you will want to use a small piece of wood with a 1/2" hole. This will prevent you from accidentally hammering your panels, which will dent if hit with your hammer.
3. Install the remainder of the field tiles by lining up the dimples on the panels. When possible, you want to have your overlapping seams facing away from your main entry point of the room. In most cases when installing a 24" pattern, filler panels will be needed because of the deep profile embossment of the panels. For example, if your room is 11' x 13', you would install your field panels in a 10' x 12' area in the center of the room and then install 12" of filler panels around the perimeter. This creates a uniform look and allows your molding to sit flush with the ceiling, as it is overlapping the filler panels.
4. In most installations, you will use filler panels and can use flat molding for a smooth transition between the field panels and the filler panels (refer to the flat molding installation guide on page 9).
5. If you have light fixtures you will need to lay them out on the back of the ceiling panel as you reach them. Measure from the edge of your ceiling tile and mark out your ceiling fixture placement. Drill a hole in the center of the layout, then use tin snips to cut away the material. You can do this by either cutting at 90 degrees to the lay out mark, then cutting the perimeter mark out, or by cutting a spiral to your layout mark (cutting in a circle). You can now install your beauty rings for the lights.
6. If the field panels go wall to wall then you are ready to install the molding (refer to the Crown Molding and/or Flat Molding instructions).
7. Finally, caulk the joints in the ceiling tiles and the molding if necessary. You can also touch up any nail heads with touch up paint.



### TOOL/SUPPLIES REQUIRED:

- Tape measure
- Straight edge (framing square or 4" level)
- Chalk line
- Fine point Sharpie
- Cone head nails or 18 gauge brad nail gun with brad nails
- Tin snips
- Ladder or scaffolding
- Hammer
- 1/2" drill bit
- Drill

**If you have any questions, please call:**  
**1-888-231-7500 or visit us online at**  
**[www.AmericanTinCeilings.com](http://www.AmericanTinCeilings.com)**

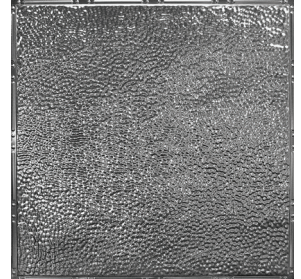
# NAIL-UP INSTALLATION GENERAL INFO

## FILLER INSTALLATION FOR CEILINGS

The most common tin ceiling layout uses no filler and merely trims the panel flush wall to wall. However, filler is required for certain applications.

### Filler is generally used with:

- Patterns with a deep profile depth that do not accommodate cropping
- For design layouts specifying filler



Install field panels first. Cut the filler to fit into the coverage area. When finishing a perimeter, cut the filler panels so that the edges will butt flush against the wall.

Install the filler by coating the backside with Loctite® Power Grab® or a similar adhesive and position it in place.

Once positioned, nail the filler panel into the substrate, placing one nail every 6 inches around the perimeter of the filler panel. Overlap adjacent filler panels by 1/4" utilizing the nail rail.

Flat molding is often used to transition between filler and panels, and will hide any unsightly seams.

**Filler for Snap Lock™, Nail-Up and Backsplash applications will require the use of the F1-N or F2-N filler panels. These will have a nail rail on the perimeter of the panel. For Drop-In applications, the F1-D and F2-D are required and do not have a nail rail.**

## ***TAB: BACKSPLASH INSTALLATION***







## Applications

Ideal for applications such as bars, open-concept restaurants, and private residences.

## Features & Benefits

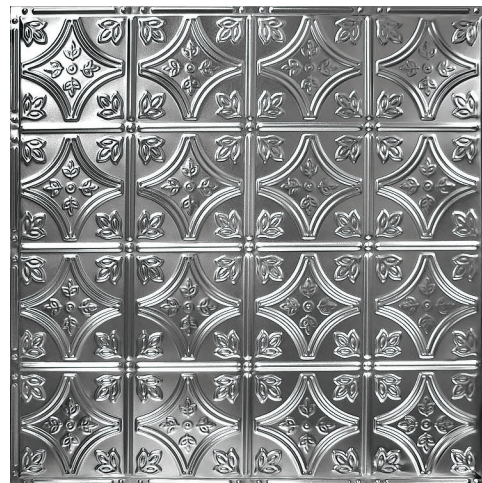
- Material: T1 grade tin-plated steel
- Size: 24" x 24"
- Thickness: 0.010"
- Fire Rating: ASTM E 84-03b
- Patterns: Over 10 patterns
- Colors: Over 50 colors
- Made in USA

## Installation

- Original installation method used for 150 years.
- Each panel contains a 3/8" nail rail that overlaps tight seams.
- Apply to wall with a construction adhesive like Liquid Nails or Power Grab by Loctite.
- When installing onto dry-wall, use a combination of nails and construction adhesive. The nails keep panels tight to the wall while the adhesive dries. This combination provides best results.



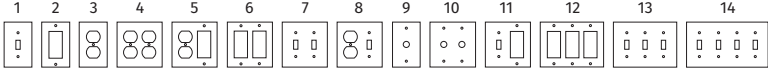
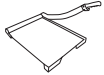
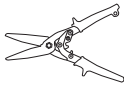

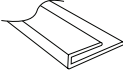
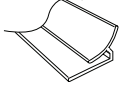


## Single Panel View (2' x 2')



## Available Patterns:

3	17	19	20	21	27	30	31	35	36
37	39								

# BACKSPLASH INSTALLATION ACCESSORIES

Product	Code*	Type	Size	Color	Installation Type(s)	Description
<b>Switch Plates</b> 	BP	Stainless Steel	Various	Available in all colors		Wall plate coverings available in all colors. Fourteen plates to select from, finished to match backsplash panel colors.
<b>Guillotine Cutter</b> 	CUTTE	Martin Yale W24	19" x 24"		All	Popular tool used for straight cutting of tin panels. Requires two cuts per panel, not used for Snap Lock™ flange.
<b>Tin Snips</b> 	SNIP	Aviation	Long Nose		All	Drop forged Chrome-Molybdenum Alloy steel blades. Serrated edged blades, induction hardened. Cuts 20 gauge cold rolled sheet metal and 24 gauge stainless steel sheet metal.
<b>Cone Head Nails</b> 	NAIL	Stainless	1 1/4" x 0.080"	Steel, White, Copper, Stainless Steel	Nail-Up	Decorative nails used for the installation of backsplash, Nail-up style panels, crown molding, and flat molding.
<b>Edge (J-Channel) Trim</b> J 		Stainless Steel	4' Length	Available in all colors	Nail-Up (Backsplash/Wall)	Edge (J-Channel) trim is offered for backsplash and wall applications. The edge of the panel slips into the 1/4" channel. Sold in four foot lengths.
<b>Inside Corner (L-Channel) Trim</b> L 	L	Stainless Steel	4' Length	Available in all colors	Nail-Up (Backsplash/Wall)	Inside Corner (L-Channel) trim is offered for backsplash and wall applications. The edge of the panel slips into the 1/4" channel. Sold in four foot lengths.
<b>3oz Touch-up Paint</b> 	TPAINT	Sherwin Williams Latex Paint	3oz	Bright White Satin, Bright White Gloss, Creamy White Satin	All	Used for touching up small areas, wood moldings, and other accessories.
<b>16oz Spray Paint</b> 	PAINT	DAR Automotive Paint	16oz	Bright White Satin, Bright White Gloss, Creamy White Satin, Royal Gold, Rustic Copper Translucent	All	Coverage area of 200 square feet for painting suspended ceiling grids.

# BACKSPLASH INSTALLATION GENERAL INFO

## Backsplashes and Other Applications:

Tin panels can be used for more than just beautifying your ceiling. Our customers have used our tin panels for various applications such as walls, backsplashes, fireplaces, counter tops, cupboards, doors, wainscoting, accent pieces, headboards, art décor, metal sculpture and more. The applications are limited only by your imagination.

## Layout:

There are a variety of layout possibilities with tin, including the use of molding, filler panels, and more. You can view all of the different possibilities to create unique and dramatic ceilings on our website at [www.AmericanTinCeilings.com](http://www.AmericanTinCeilings.com).

## Tools and Materials:

See your project installation instructions for the specific materials list for your project type.

- **Tin panels:** American Tin Ceilings has three types of panels depending upon the type of installation: Nail-Up is used for traditional applications on a wood substrate, and for all backsplash, wall, and wainscoting projects (use adhesive instead of nails for these applications). Snap Lock™ is used for installation over dry-wall or popcorn ceilings. Drop-In panels are used with standard 2' x 2' systems that have 15/16" grid widths.
- **Fasteners:** Cone head nails and/or brad nails (Nail-Up panels), #6 drywall screws (Snap Lock™ panels), Loctite® Power Grab® Adhesive (Nail-Up panels for backsplash, wall and project applications)
- **Construction adhesive:** Loctite® Power Grab® (Backplash, Wall and Project applications)
- **Touch-up paint:** AmericanTinCeilings.com carries a selection of touch-up paints. If you prefer, your local hardware store or automotive paint supplier may be able to match if provided with a sample.
- **Tools (Depending upon installation type):** Ladders / Scaffolding / Drill / Tin snips / Metal shears / Guillotine cutter / Hammers / Nail gun / Chalk line / Tape measure

# BACKSPLASH INSTALLATION GENERAL INFO

## PAINTING

**Painting:** No water-based products can be used directly on the metal tiles or molding; however, you can use an oil-based primer. Once the tiles have been primed, you are able to use a paint of your choice. Sherwin Williams and Benjamin Moore also offer DTM (direct-to-metal) paints. The DTM paints can be painted directly on the metal and will eliminate the need to use a primer.



**Clear Coat:** No water-based paint can be used directly on the metal. The best choices are an oil-based polyurethane or a lacquer.

**For more info, please visit:**

[www.AmericanTinCeilings.com/resources/painting.html](http://www.AmericanTinCeilings.com/resources/painting.html)

## CUTTING TIN

**Metal shears / Tin snips:** These tools can be purchased at Home Depot, Lowe's, or a local hardware store.



**Guillotine paper cutters:** Heavy-duty tabletop paper cutters similar to those used in schools and office environments. Every job requires cutting of varying lengths. We carry the Martin Yale 'Premiere' Cutter at manufacture cost.



**RotoZip tool:** Great for can lights and applications that require circular cuts.

## FIXTURES & VENTS

**Light fixtures, chandeliers, recessed lighting, vents, etc., can easily be accommodated by tin ceiling panels.**

1. Remove the fixture
2. Trace the fixture perimeter onto the tin panel
3. Cut out traced area with tin snips
4. Install cut tin on ceiling
5. Re-install fixture over installed tin



# BACKSPLASH INSTALLATION GENERAL INFO

## BACKSPLASH, WALL AND PROJECT INSTALLATION

Each kitchen has a unique layout and the possible starting point of your project can vary. In the majority of installations, we suggest beginning from the left side and working to the right. We are available to answer any questions on your specific layout.

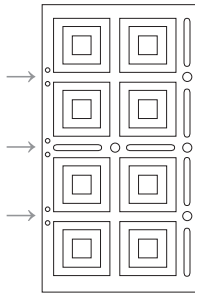
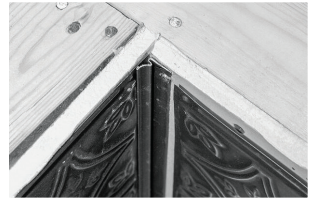
1. Starting from the left side, measure 24 1/2" from the farthest left point of your space. This will mark the location of your first panel.
2. From your countertop, take a vertical measurement of the wall you are installing your tile on to. If you reach a cabinet, note the measurement from the countertop to underneath your cabinet and proceed to Step #3.
3. Mark your tile according to the measurements in Step #2 and cut accordingly so the tile fits under the cabinet. For varying cabinet heights, repeat Steps #2 and #3 as necessary.
4. Measure and cut your J-Channel Edge Trim for the outer left edge of your starting panel. J-Channel Edge Trim gives the exposed edge of the backsplash a finished appearance. Use a hacksaw to cut it to the proper height.
5. Apply the J-Channel Edge Trim to the exposed edge of the tile.
6. Lay your tile upside down. Apply a construction adhesive (we recommend a quick setting adhesive such as Loctite® Power Grab®) to the back of the panel while keeping the adhesive at least 1/4" to 3/8" away from the edges. This will prevent the adhesive from bleeding past the edge of the panel. With a back and forth motion, apply the adhesive to the rest of the panel 3" apart. Keep a wet rag handy in case any of the adhesive seeps out from the back of the panel. If any adhesive seeps out, wipe this off immediately.
7. Place the panel with the attached J-Channel Edge Trim on the wall. Press firmly until the adhesive takes hold – approximately 20-30 seconds.
8. Continue measuring and cutting your tiles in accordance with the cabinet heights of your space as in Steps #2 and #3. Proceed with installing the next tile following Step #6.

**Note:** If your tile overlaps an outlet, you will need to manually cut out the outline of the outlet from your tile. To do this, measure from the nail rail (the row of dimples) of the previously installed tile to the nearest side of the outlet. Using this measurement, make a vertical mark on the tile that will overlap the outlet. Take another measurement from the nail rail of the previously installed tile to the far side of the outlet and make another vertical mark on the tile to be installed. Finally, measure from the top and bottom of the outlet and make horizontal marks on the tile to be installed. When you have finished, the four sides of the outlet will be marked to be cut out.

Using a drill and a 1/2" drill bit, drill a hole in the center of your marks. Then, using a pair of aviation tin snips, cut out the hole for the outlet. Apply adhesive to the tile and install, making sure that the panels are lined up on the dimples of the nail rail.

# BACKSPLASH INSTALLATION GENERAL INFO

1. **Note:** Some installations cover multiple walls at right angles. To achieve a finished look on these corners, you will use our Inside Corner Trim. Before applying a panel to a corner, measure the height of the inside corner. Then, cut the Inside Corner Trim in accordance with that measurement and attach it to the panel.
2. After all the panels are set, attach the switch or outlet plates.
3. Caulk the bottom seam along the countertop with clear silicone or colored caulk. This will eliminate water from getting behind the panels.
4. If the seams need to be tighter, we would recommend that you use cone head nails on the overlapping seams. The nail points would be between the "dimples" of the nail rail.



## TOOL/SUPPLIES REQUIRED:

- Tape measure
- Straight edge (framing square or 4" level)
- Fine point Sharpie
- Construction adhesive (Loctite® Power Grab®)
- Silicone caulking (color match)
- Caulking gun
- Cone head nails
- Aviation tin snips
- Hacksaw (for J Channel Edge Trim and Inside Corner Trim)
- Hammer
- 1/2" drill bit
- Drill

**If you have any questions, please call:  
1-888-231-7500 or visit us online at  
[www.AmericanTinCeilings.com](http://www.AmericanTinCeilings.com)**





# *BACKSPLASH INSTALLATION GENERAL INFO*

## **EDGE MOLDING INSTRUCTIONS**

1. Measure the length you want to cut, by holding the molding along the area where you need it to find the length, then marking it off with a pen/marker.
2. Use a hack saw to cut the molding, holding it down firmly.
3. After sawing the edge will be rough. Use a metal file or grinding wheel to remove any burrs.
4. Lastly, apply the molding to the edge of the exposed tin tile, then use nailhead cones to secure it firmly in place.

***TAB: DROP-IN INSTALLATION***







## Applications

Ideal for applications such as office spaces, lobby areas, restaurants, retail stores, and private residences.

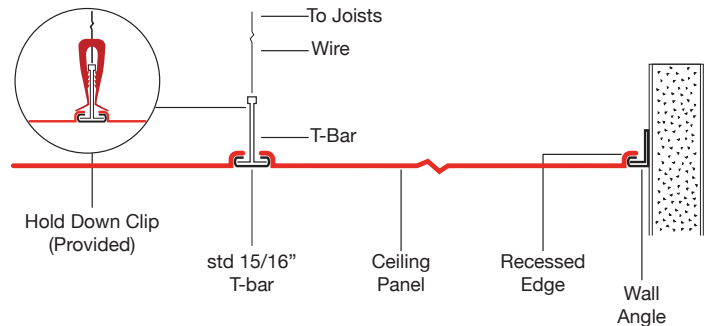
## Features & Benefits

- Material: T1 grade tin-plated steel
- Size: 24" x 24"
- Thickness: 0.010"
- Fire Rating: ASTM E 84-03b
- Patterns: Over 40 patterns
- Colors: Over 50 colors
- Made in USA

## Installation

- Sits flush in grid system.
- Fits standard 15/16" grid system on 24" centers.
- Panels also available for 9/16" grid system on 24" centers.
- Cross tees are available to convert 2' x 4' grid systems.
- Simply paint suspended grid system to match tile color.
- Our proprietary Drop-In Clips secure your tiles in place.
- For international orders: also available in metric version. These fit standard 24mm grid system on 600mm centers.

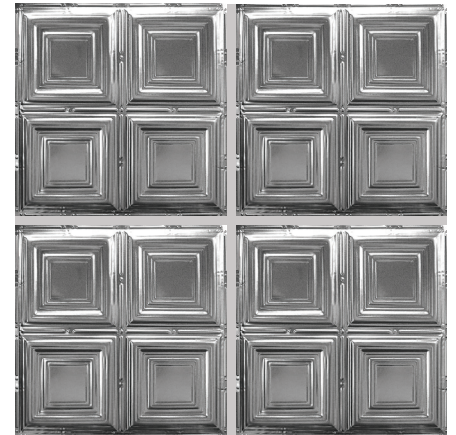
## Cross Section View:



## Single Panel View: (2' x 2')



## Multiple Panel View: (4' x 4')

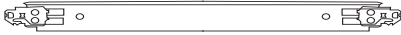

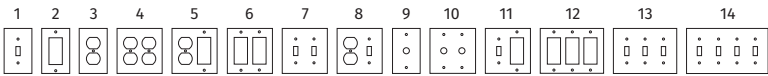
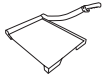
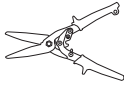




## Available Patterns:

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	41
42	F1	F2							



# DROP-IN INSTALLATION ACCESSORIES

Product	Code*	Type	Size	Color	Installation Type(s)	Description
<b>2' Cross Tee</b> 	CROSST	$\frac{9}{16}$ " $1\frac{5}{16}$ "	2' Length	Standard White	Drop-In	2' Cross Tee for standard suspended ceiling grid systems. This product is commonly used to convert a 2' x 4' grid into a 2' x 2' grid. Available in a standard white finish ready to be painted.
<b>Drop-In Clips</b> 	CLIP	Recycled Material	Standard		Drop-In	Ratchets over t-bar securing drop-in panels to the grid to prevent gaps.
<b>Switch Plates</b> 	BP	Stainless Steel	Various	Available in all colors		Wall plate coverings available in all colors. Fourteen plates to select from, finished to match backsplash panel colors.
<b>Guillotine Cutter</b> 	CUTTE	Martin Yale W24	19" x 24"		All	Popular tool used for straight cutting of tin panels. Requires two cuts per panel, not used for Snap Lock™ flange.
<b>Tin Snips</b> 	SNIP	Aviation	Long Nose		All	Drop forged Chrome-Molybdenum Alloy steel blades. Serrated edged blades, induction hardened. Cuts 20 gauge cold rolled sheet metal and 24 gauge stainless steel sheet metal.
<b>3oz Touch-up Paint</b> 	TPAINT	Sherwin Williams Latex Paint	3oz	Bright White Satin, Bright White Gloss, Creamy White Satin	All	Used for touching up small areas, wood moldings, and other accessories.
<b>16oz Spray Paint</b> 	PAINT	DAR Automotive Paint	16oz	Bright White Satin, Bright White Gloss, Creamy White Satin, Royal Gold, Rustic Copper Translucent	All	Coverage area of 200 square feet for painting suspended ceiling grids.

# *DROP-IN INSTALLATION GENERAL INFO*

## Ceiling Components:

A tin ceiling is comprised of two primary components and two optional components. The primary components are the tin ceiling panels and the crown molding. Optional components are flat molding/rope molding and filler. These components are generally used when the design layout requires it.

## Layout:

There are a variety of layout possibilities with tin, including the use of molding, filler panels, and more. You can view all of the different possibilities to create unique and dramatic ceilings on our website at [www.AmericanTinCeilings.com](http://www.AmericanTinCeilings.com).

## Tools and Materials:

See your project installation instructions for the specific materials list for your project type.

- **Tin panels:** American Tin Ceilings has three types of panels depending upon the type of installation: Nail-Up is used for traditional applications on a wood substrate, and for all backsplash, wall, and wainscoting projects (use adhesive instead of nails for these applications). Snap Lock™ is used for installation over dry-wall or popcorn ceilings. Drop-In panels are used with standard 2' x 2' systems that have 15/16" grid widths.
- **Crown/Flat Molding:** Matching tin molding is available from American Tin Ceilings. Wood molding can be purchased at a local hardware store.
- **Caulking:** DAP silicone latex painter's caulk (for Nail-Up and Snap Lock™ application types)
- **Touch-up paint:** AmericanTinCeilings.com carries a selection of touch-up paints. If you prefer, your local hardware store or automotive paint supplier may be able to match if provided with a sample.
- **Tools (Depending upon installation type):** Ladders / Scaffolding / Drill / Tin snips / Metal shears / Guillotine cutter / Hammers / Nail gun / Chalk line / Tape measure

# DROP-IN INSTALLATION GENERAL INFO

## PAINTING

**Painting:** No water-based products can be used directly on the metal tiles or molding; however, you can use an oil-based primer. Once the tiles have been primed, you are able to use a paint of your choice. Sherwin Williams and Benjamin Moore also offer DTM (direct-to-metal) paints. The DTM paints can be painted directly on the metal and will eliminate the need to use a primer.



**Clear Coat:** No water-based paint can be used directly on the metal. The best choices are an oil-based polyurethane or a lacquer.

**For more info, please visit:**

[www.AmericanTinCeilings.com/resources/painting.html](http://www.AmericanTinCeilings.com/resources/painting.html)

## CUTTING TIN

**Metal shears / Tin snips:** These tools can be purchased at [www.AmericanTinCeilings.com](http://www.AmericanTinCeilings.com).

**Guillotine paper cutters:** Heavy-duty tabletop paper cutters similar to those used in schools and office environments. Every job requires cutting of varying lengths. We carry the Martin Yale 'Premiere' Cutter at manufacture cost.



**RotoZip tool:** Great for can lights and applications that require circular cuts.

## FIXTURES & VENTS

**Light fixtures, chandeliers, recessed lighting, vents, etc., can easily be accommodated by tin ceiling panels.**

1. Remove the fixture
2. Trace the fixture perimeter onto the tin panel
3. Cut out traced area with tin snips
4. Install cut tin on ceiling
5. Re-install fixture over installed tin



# DROP-IN INSTALLATION

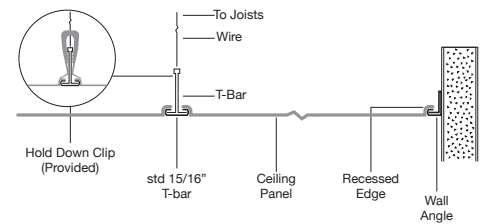
## DROP-IN CEILING INSTALLATION

**Required Substrate:** 2' x 4' or 2' x 2' Ceiling Grid

**Note:** If an existing grid has 2' x 4' openings, convert it to a 2' x 2' ceiling grid using our 2' Cross Tee. To install the Cross Tee simply secure in the center of the 2' x 4' opening. American Tin Ceilings' tiles are 23 7/16" sq with a 1/16" step so the ceiling tile will sit flush from side to side.

**After determining the grid sizing of your ceiling, follow the steps below to install your tin tiles:**

1. Start in one corner of the room at a full 2' x 2' opening. In most situations, there will be openings around the perimeter of the grid that are less than a full 2' x 2'. These smaller spaces will require cut tiles. Leave these spaces around the perimeter for the last step of your install.
2. Turn the ceiling panel at a slight angle, sliding it through the opening. At this point you can lay the ceiling tile into the grid opening, attaching hold down clips that keep your tile tight to the grid so that there's no gapping between the grid and the panel.
3. Repeat step #2 going to the right or left.
4. Place two hold down clips on the side where the two ceiling panels are installed on the same t-rail.
5. Finish installing the rest of the ceiling tiles with the hold down clips as you proceed. If you have opted to use our Acoustical Drop-In tiles, which can reduce noise by up to 85%, install the acoustical pads behind the panels as you progress.
6. If using a ceiling panel that has a deep embossment, such as Patterns #22 or #23, consider using a filler panel around the perimeter. This will prevent gapping along the edges. If you do not want to use a filler panel, cut the panel just shy of the grid, allowing the panel to completely drop down and not sit on the grid. Then attach crown molding using corner blocking/cribbing. This will hide your cut.



### TOOL/SUPPLIES REQUIRED:

- Tape measure
- Straight edge (framing square or 4" level)
- Aviation shears
- Fine point Sharpie
- Hold down clips
- Safety glasses
- Safety gloves
- 1/2" drill bit
- Drill
- Acoustical pads (optional)

**If you have any questions, please call:  
1-888-231-7500 or visit us online at  
[www.AmericanTinCeilings.com](http://www.AmericanTinCeilings.com)**

# DROP-IN INSTALLATION GENERAL INFO

## FILLER INSTALLATION FOR CEILINGS

The most common tin ceiling layout uses no filler and merely trims the panel flush wall to wall. However, filler is required for certain applications.

### **Filler is generally used with:**

- Patterns with a deep profile depth that do not accomodate cropping
- For design layouts specifying filler



Install field panels first. Cut the filler to fit into the coverage area. When finishing a perimeter, cut the filler panels so that the edges will butt flush against the wall.

**Filler for Snap Lock™, Nail-Up and Backsplash applications will require the use of the F1-N or F2-N filler panels. These will have a nail rail on the perimeter of the panel. For Drop-In applications, the F1-D and F2-D are optional and do not have a nail rail.**

## ***TAB: ACOUSTIC INSTALLATION***







## Applications

Ideal for applications such as office spaces, lobby areas, restaurants, retail stores, and private residences.

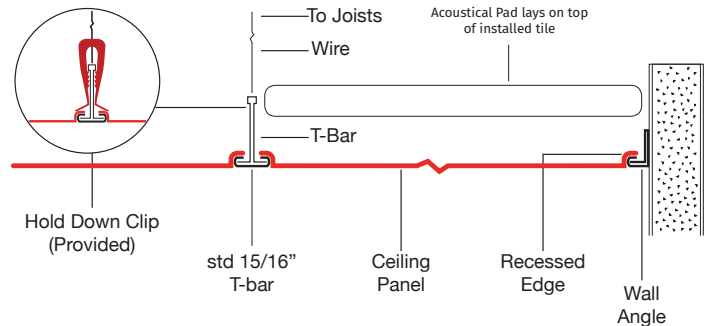
## Features & Benefits

- Material: T1 grade tin-plated steel
- Size: 24" x 24"
- Thickness: 0.010"
- TYP Hole Size: 0.026" (0.66mm)
- Distance: 0.207" on straight centers
- NRC: 0.25 tile only, 0.85 tile backed with Acoustical Pad
- Tolerance: +/- 1/64" on length and width
- Fire Rating: ASTM E 84-03b
- Patterns: Over 30 patterns
- Colors: Over 50 colors
- Made in USA

## Installation

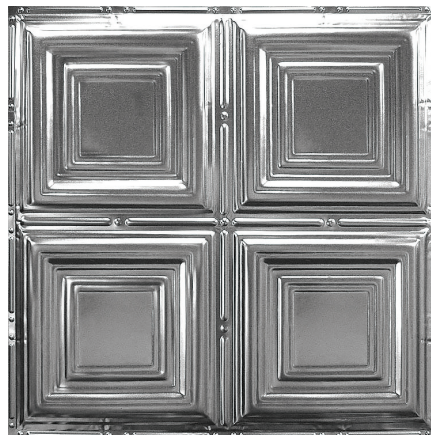
- Sits flush in grid system.
- Fits standard 15/16" grid system on 24" centers.
- Panels also available for 9/16" grid system on 24" centers.
- Cross tees are available to convert 2' x 4' grid systems.
- Simply paint suspended grid system to match tile color.
- Our proprietary Drop-In Clips secure your tiles in place.
- For international orders: also available in metric version. These fit standard 24mm grid system on 600mm centers.

## Cross Section View:



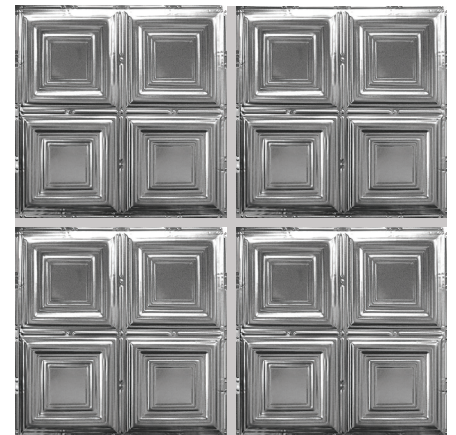
## Single Panel View:

(2' x 2')



## Multiple Panel View:

(4' x 4')



## Available Patterns:

1	2	3	4	5	6	10	12	14	16
17	18	19	20	21	23	24	25	27	30
31	32	35	36	37	38	41			

## Applications

Ideal for applications such as hotels, bars, restaurants, casinos, office spaces, retail stores, lobby areas, and private residences.

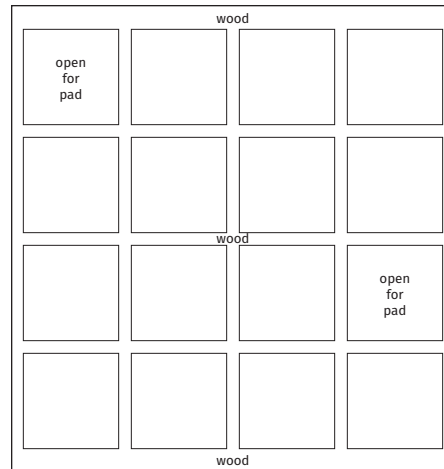
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- Patterns: Over 30 patterns
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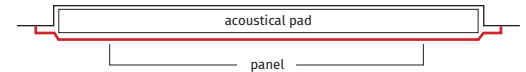
## Installation

- Used on wood substrate.
- Requires wood grid on 24" centers in both directions to provide space for acoustical pads. A 2" x 4" wood stud grid will be sufficient.
- Requires plywood, furring strips, or joists.
- Each panel contains a 3/8" nail rail that overlaps tight seams.
- Install by hand nailing, using Cone Head Nails that we sell.
- Install by Brad Nailer, using 18-gauge brad nails. (25 PSI)

## Wood Grid System View:

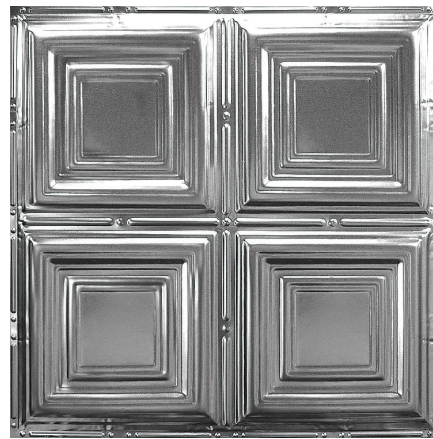


## Cross Section View:



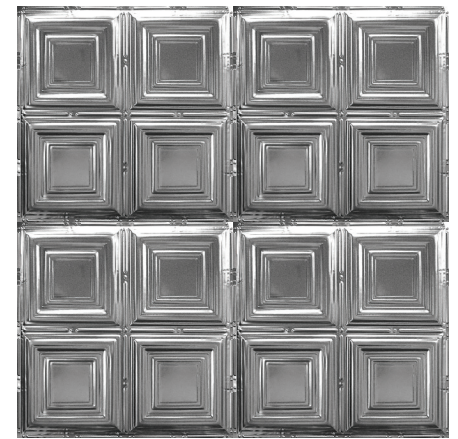
## Single Panel View:

(2' x 2')



## Multiple Panel View:

(4' x 4')



## Available Patterns:

1	2	3	4	5	6	8	10	12	14
16	17	18	19	20	21	23	24	25	27
30	31	32	35	36	37	38	41		



# ACOUSTIC INSTALLATION

## ACOUSTICAL PADS



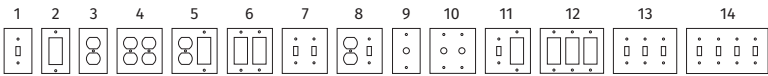
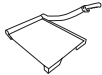
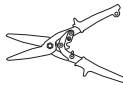




Acoustical Pads are used in conjunction with Acoustic Drop-In or Acoustic Nail-Up tiles to reduce noise, improve sound quality and reduce echo. These high performance pads have a Noise Reduction Coefficient (NRC) of 0.85, meaning 85% of the sound energy that contacts the material is absorbed.

- Size: 23 3/4" x 23 3/4"
- Material: Black PVC Film
- Installation Types: Drop-In or Nail-Up



*Shown: Acoustic Nail-Up Pattern #3 in Rustic Copper Translucent*

# ACOUSTIC INSTALLATION ACCESSORIES

Product	Code*	Type	Size	Color	Installation Type(s)	Description
<b>2' Cross Tee</b> 	CROSST	$\frac{9}{16}$ " $1\frac{5}{16}$ "	2' Length	Standard White	Drop-In	2' Cross Tee for standard suspended ceiling grid systems. This product is commonly used to convert a 2' x 4' grid into a 2' x 2' grid. Available in a standard white finish ready to be painted.
<b>Drop-In Clips</b> 	CLIP	Recycled Material	Standard		Drop-In	Ratchets over t-bar securing drop-in panels to the grid to prevent gaps.
<b>Switch Plates</b> 	BP	Stainless Steel	Various	Available in all colors		Wall plate coverings available in all colors. Fourteen plates to select from, finished to match backsplash panel colors.
<b>Guillotine Cutter</b> 	CUTTE	Martin Yale W24	19" x 24"		All	Popular tool used for straight cutting of tin panels. Requires two cuts per panel, not used for Snap Lock™ flange.
<b>Tin Snips</b> 	SNIP	Aviation	Long Nose		All	Drop forged Chrome-Molybdenum Alloy steel blades. Serrated edged blades, induction hardened. Cuts 20 gauge cold rolled sheet metal and 24 gauge stainless steel sheet metal.
<b>Cone Head Nails</b> 	NAIL	Stainless	1 ¼" x 0.080"	Steel, White, Copper, Stainless Steel	Nail-Up	Decorative nails used for the installation of backsplash, Nail-up style panels, crown molding, and flat molding.
<b>3oz Touch-up Paint</b> 	TPAINT	Sherwin Williams Latex Paint	3oz	Bright White Satin, Bright White Gloss, Creamy White Satin	All	Used for touching up small areas, wood moldings, and other accessories.
<b>16oz Spray Paint</b> 	PAINT	DAR Automotive Paint	16oz	Bright White Satin, Bright White Gloss, Creamy White Satin, Royal Gold, Rustic Copper Translucent	All	Coverage area of 200 square feet for painting suspended ceiling grids.
<b>Acoustical Pad</b> 	APAD	CMA, Inc.	23 ¾" x 23 ¾"	Black PVC Film	Drop-In Nail-Up	Acoustical Pads are used in conjunction with Acoustical Drop-In or Nail-Up tiles to reduce noise, improve sound quality and reduce echo. These high performance pads have a Noise Reduction Coefficient (NRC) of 0.85, meaning 85% of the sound energy that contacts the material is absorbed.

# ACOUSTIC INSTALLATION GENERAL INFO

## Ceiling Components:

A tin ceiling is comprised of two primary components and two optional components. The primary components are the tin ceiling panels and the crown molding. Optional components are flat molding/rope molding and filler. These components are generally used when the design layout requires it.

## Layout:

There are a variety of layout possibilities with tin, including the use of molding, filler panels, and more. You can view all of the different possibilities to create unique and dramatic ceilings on our website at [www.AmericanTinCeilings.com](http://www.AmericanTinCeilings.com).

## Tools and Materials:

See your project installation instructions for the specific materials list for your project type.

- **Tin panels:** American Tin Ceilings has three types of panels depending upon the type of installation: Nail-Up is used for traditional applications on a wood substrate, and for all backsplash, wall, and wainscoting projects (use adhesive instead of nails for these applications). Snap Lock™ is used for installation over dry-wall or popcorn ceilings. Drop-In panels are used with standard 2' x 2' systems that have 15/16" grid widths.
- **Crown/Flat Molding:** Matching tin molding is available from American Tin Ceilings. Wood molding can be purchased at a local hardware store.
- **Fasteners:** Cone head nails and/or brad nails (Nail-Up panels), #6 drywall screws (Snap Lock™ panels), Loctite® Power Grab® Adhesive (Nail-Up panels for backsplash, wall and project applications)
- **Construction adhesive:** Loctite® Power Grab® (Backsplash, Wall and Project applications)
- **Caulking:** DAP silicone latex painter's caulk (for Nail-Up and Snap Lock™ application types)
- **Touch-up paint:** AmericanTinCeilings.com carries a selection of touch-up paints. If you prefer, your local hardware store or automotive paint supplier may be able to match if provided with a sample.
- **Tools (Depending upon installation type):** Ladders / Scaffolding / Drill / Tin snips / Metal shears / Guillotine cutter / Hammers / Nail gun / Chalk line / Tape measure



# ACOUSTIC INSTALLATION GENERAL INFO

## PAINTING

**Painting:** No water-based products can be used directly on the metal tiles or molding; however, you can use an oil-based primer. Once the tiles have been primed, you are able to use a paint of your choice. Sherwin Williams and Benjamin Moore also offer DTM (direct-to-metal) paints. The DTM paints can be painted directly on the metal and will eliminate the need to use a primer.



**Clear Coat:** No water-based paint can be used directly on the metal. The best choices are an oil-based polyurethane or a lacquer.

**For more info, please visit:**

[www.AmericanTinCeilings.com/resources/painting.html](http://www.AmericanTinCeilings.com/resources/painting.html)

## CUTTING TIN

**Metal shears / Tin snips:** These tools can be purchased at Home Depot, Lowe's, or a local hardware store.



**Guillotine paper cutters:** Heavy-duty tabletop paper cutters similar to those used in schools and office environments. Every job requires cutting of varying lengths. We carry the Martin Yale 'Premiere' Cutter at manufacture cost.



**RotoZip tool:** Great for can lights and applications that require circular cuts.

## FIXTURES & VENTS

**Light fixtures, chandeliers, recessed lighting, vents, etc., can easily be accommodated by tin ceiling panels.**

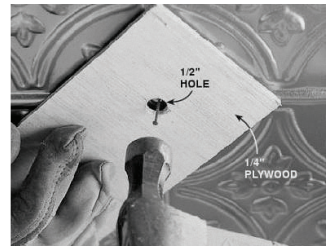
1. Remove the fixture
2. Trace the fixture perimeter onto the tin panel
3. Cut out traced area with tin snips
4. Install cut tin on ceiling
5. Re-install fixture over installed tin

# ACOUSTIC INSTALLATION GENERAL INFO

## ACOUSTIC NAIL-UP CEILING INSTALLATION

**Required Substrate Material:** 2" x 4" Wood Boards

1. Build grid with 2" x 4" wood boards on 24" centers. The void spaces within the grid will house the 24" x 24" x 2" acoustical pads, which will compress into 2" x 4" grid.
2. Determine the center point of the ceiling by snapping a chalk line diagonally from corner to corner of the ceiling. The "X" where the chalk lines intersect is the center of your ceiling.
3. Set your first ceiling tile with the edges square to wall in the center of the "X" of your chalk line. Using an 18 gauge brad nail gun or cone head nails, nail your tile to the ceiling. **Note:** If hand-hammering the nails, you will want to use a small piece of wood with a 1/2" hole. This will prevent you from accidentally hammering your panels, which will dent if hit with your hammer.
4. Install the remainder of the field tiles by lining up the dimples on the panels. When possible, you want to have your overlapping seams facing away from your main entry point of the room. In most cases when installing a 24" pattern, filler panels will be needed because of the deep profile embossment of the panels. For example, if your room is 11' x 13', you would install your field panels in a 10' x 12' area in the center of the room and then install 12" of filler panels around the perimeter. This creates a uniform look and allows your molding to sit flush with the ceiling, as it is overlapping the filler panels.
5. In most installations, you will use filler panels and can use flat molding for a smooth transition between the field panels and the filler panels (refer to the flat molding installation guide on page 9).
6. If you have light fixtures you will need to lay them out on the back of the ceiling panel as you reach them. Measure from the edge of your ceiling tile and mark out your ceiling fixture placement. Drill a hole in the center of the layout, then use tin snips to cut away the material. You can do this by either cutting at 90 degrees to the lay out mark, then cutting the perimeter mark out, or by cutting a spiral to your layout mark (cutting in a circle). You can now install your beauty rings for the lights.
7. If the field panels go wall to wall then you are ready to install the molding (refer to the Crown Molding and/or Flat Molding instructions).
8. Finally, caulk the joints in the ceiling tiles and the molding if necessary. You can also touch up any nail heads with touch up paint.



### TOOL/SUPPLIES REQUIRED:

- Tape measure
- Straight edge (framing square or 4" level)
- Chalk line
- Fine point Sharpie
- Cone head nails or 18 gauge brad nail gun with brad nails
- Tin snips
- Ladder or scaffolding
- Hammer
- 1/2" drill bit
- Drill

**If you have any questions, please call:  
1-888-231-7500 or visit us online at  
[www.AmericanTinCeilings.com](http://www.AmericanTinCeilings.com)**

# ACOUSTIC INSTALLATION GENERAL INFO

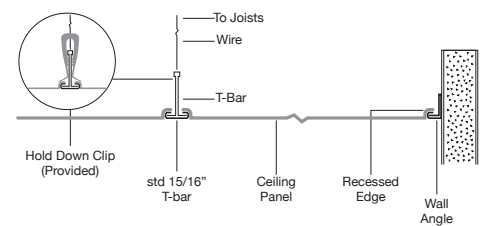
## ACOUSTIC DROP-IN CEILING INSTALLATION

**Required Substrate:** 2' x 4' or 2' x 2' Ceiling Grid

**Note:** If an existing grid has 2' x 4' openings, convert it to a 2' x 2' ceiling grid using our 2' Cross Tee. To install the Cross Tee simply secure in the center of the 2' x 4' opening. American Tin Ceilings' tiles are 23 7/16" sq with a 1/16" step so the ceiling tile will sit flush from side to side.

**After determining the grid sizing of your ceiling, follow the steps below to install your tin tiles:**

1. Start in one corner of the room at a full 2' x 2' opening. In most situations, there will be openings around the perimeter of the grid that are less than a full 2' x 2'. These smaller spaces will require cut tiles. Leave these spaces around the perimeter for the last step of your install.
2. Turn the ceiling panel at a slight angle, sliding it through the opening. At this point you can lay the ceiling tile into the grid opening, attaching hold down clips that keep your tile tight to the grid so that there's no gapping between the grid and the panel.
3. Repeat step #2 going to the right or left.
4. Place two hold down clips on the side where the two ceiling panels are installed on the same t-rail.
5. Finish installing the rest of the ceiling tiles with the hold down clips as you proceed. If you have opted to use our Acoustical Drop-In tiles, which can reduce noise by up to 85%, install the acoustical pads behind the panels as you progress.
6. If using a ceiling panel that has a deep embossment, such as Patterns #22 or #23, consider using a filler panel around the perimeter. This will prevent gapping along the edges. If you do not want to use a filler panel, cut the panel just shy of the grid, allowing the panel to completely drop down and not sit on the grid. Then attach crown molding using corner blocking/cribbing. This will hide your cut.



### TOOL/SUPPLIES REQUIRED:

- Tape measure
- Straight edge (framing square or 4" level)
- Aviation shears
- Fine point Sharpie
- Hold down clips
- Safety glasses
- Safety gloves
- 1/2" drill bit
- Drill
- Acoustical pads (optional)

**If you have any questions, please call:  
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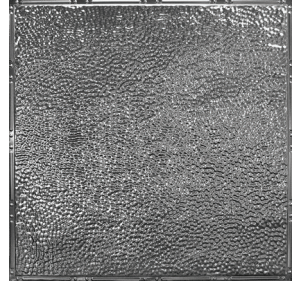
# ACOUSTIC INSTALLATION GENERAL INFO

## FILLER INSTALLATION FOR CEILINGS

The most common tin ceiling layout uses no filler and merely trims the panel flush wall to wall. However, filler is required for certain applications.

### Filler is generally used with:

- Patterns with a deep profile depth that do not accomodate cropping
- For design layouts specifying filler



Install field panels first. Cut the filler to fit into the coverage area. When finishing a perimeter, cut the filler panels so that the edges will butt flush against the wall.

Once positioned, nail the filler panel into the substrate, placing one nail every 6 inches around the perimeter of the filler panel. Overlap adjacent filler panels by 1/4" utilizing the nail rail.

Flat molding is often used to transition between filler and panels, and will hide any unsightly seams.

**Filler for Snap Lock™, Nail-Up and Backsplash applications will require the use of the F1-N or F2-N filler panels. These will have a nail rail on the perimeter of the panel. For Drop-In applications, the F1-D and F2-D are required and do not have a nail rail.**

# ACOUSTICAL PAD GUIDE SPECIFICATION

## SECTION 09511 ENCAPSULATED ACOUSTICAL CONTROL PADS

### 1.01 SUMMARY

#### A. Section includes:

1. Acoustical pads to lay above ceiling panels as shown and scheduled on the drawings.
2. Ceiling System shall include all items for a complete acoustical panel system.

#### B. Related Sections:

1. Section \_\_\_\_\_.

### 1.02 REFERENCES

- A. Ceilings and Interior Systems Contractors Association (CISCA), Acoustical Ceilings: Use and Practice.
- B. ASTM E-84, ASTM C-665.

### 1.03 DEFINITIONS

- A. Acoustical Pads shall meet all criteria in this section.

### 1.04 SYSTEM DESCRIPTION

- A. Lay-in acoustical panels above perforated ceiling as shown on the drawings and specified herein.

### 1.05 SUBMITTALS

- A. Product data from published catalog.
- B. Class "A" Flame and Smoke Developed Index per ASTM-E84 test for flame spread, fuel contributed and smoke density of the ceiling panels.
- C. Manufacturer's installation instructions.
- D. 12 inch x 12 inch sample of acoustical panels with specified finish, 12" pcs. of the support trim and tees, submit in duplicate.

# ACOUSTICAL PAD GUIDE SPECIFICATION

## 1.06 QUALITY ASSURANCE

- A. Manufacturer's Qualifications: Minimum of 5 years experience in the production of specified products.
- B. Installer's Qualifications: Firm with a minimum of 3 years experience in installation of similar systems.

## 1.07 DELIVERY, STORAGE and HANDLING

- A. Packing and Shipping: Deliver in original unopened packaging with legible manufacturer's identification.
- B. Storage and Protection: Store materials in accordance with manufacturer's recommendations.
  - 1. Store in fully enclosed space where they will be protected against damage from moisture, direct sunlight, surface contamination and other causes.
  - 2. All wet work must be completed in area of storage.

## 1.08 PROJECT CONDITIONS

- A. Environmental requirements: Building must be fully enclosed and humidity stabilized between 35% and 67% RH with temperature above 60 degrees F.

## PART 2 - PRODUCTS

### 2.01 MANUFACTURERS

- A. Acceptable Manufacturer: Fiberglass Encapsulated Pads by CMA, Inc. Oswego, Illinois 60543 Phone 866-730-9750 Toll Free. Fax 630-551-3106. E-Mail: wschultz@cmainc.net
- B. Drawings and specifications are based upon products of CMA, Inc. Other firms requesting approval shall comply with the minimum levels of the product specified herein. Prior approval of other products requires two samples of the exact pattern proposed at time of request and must be done (\_\_\_\_) days prior to bid.

### 2.02 MATERIALS

- A. Encapsulated acoustical pad system shall be CMA Corporation.

- 1. Panels shall be sized as shown on the drawings.

Maximum size to be 4'0" x 8'0". Panels shall be constructed of 1.5 pcf fiberglass with an 2" thickness. Panels shall have a Noise Reduction Coefficient of 1.05 per ASTM C-423 Type A Mounting. (1" thick has a Noise Reduction Coefficient of 0.80)(other thickness' and densities available.)



# ACOUSTICAL PAD GUIDE SPECIFICATION

- B. Panels shall be fully encapsulated and sealed in (low gloss black PVC) (gloss black Poly) (exterior grade black PVF) that is inert to moisture, common chemicals and resistant to mold and mildew.
- C. Mounting shall be lay-in above the specified perforated ceiling (wall) system.
- D. The panel core shall be dimensionally stable and resistant to fungi, bacteria and mold growth as per ASTM C-665.

## PART 3 - EXECUTION 3.01 EXAMINATION

- A. Verification of Conditions: Examine areas and conditions under which Work is to be performed and identify conditions detrimental to proper or timely completion.

- 1. Do not proceed until unsatisfactory conditions have been corrected.

## 3.02 INSTALLATION

- A. Install materials in accordance with manufacturer's printed instructions and submittals. Installation shall start only after all other work has been completed. Insure that perimeter details and opening sizes are correct before starting.
- B. Conform to the recommendations of CISCA Use & Practice recommendations.

## 3.03 CLEANING

- A. Clean exposed surfaces and comply with manufacturer's instructions for cleaning and touch-up of minor finish damage. Remove and replace work which cannot be successfully cleaned and repaired to permanently eliminate evidence of damage.

## *TAB: SNAP LOCK™ INSTALLATION*





Pattern #2  
Brushed Satin Nickel



## Applications

Ideal for applications such as hotels, bars, restaurants, retail stores, lobby areas, and private residences.

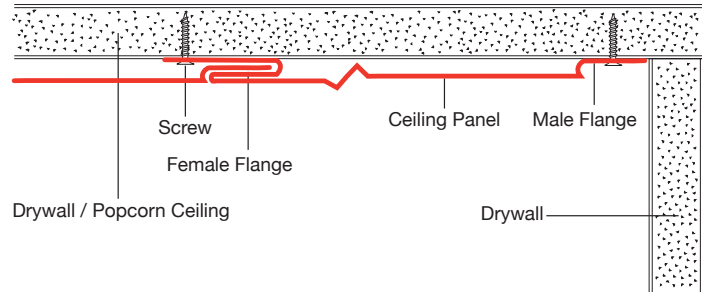
## Features & Benefits

- Material: T1 grade tin-plated steel
- Size: 24" x 24"
- Thickness: 0.010"
- Fire Rating: ASTM E 84-03b
- Patterns: Over 30 patterns
- Colors: Over 50 colors
- Made in USA

## Installation

- Used on plaster, drywall, cement or popcorn ceilings.
- No plywood required.
- No adhesive required.
- Screws directly into drywall.
- Each tile interlocks to the next using our patented flange system.
- You must start in a corner and install one row at a time.
- Leaves a nice butting seam and no visible fasteners.
- Patented design

## Cross Section View:



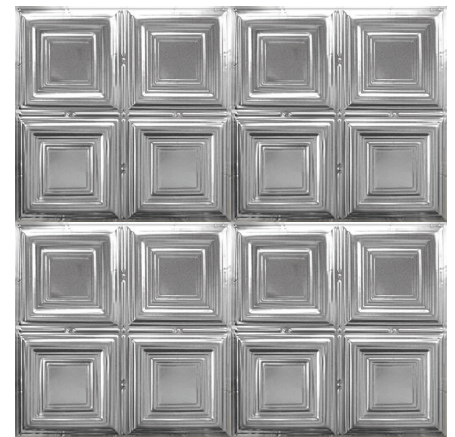
## Single Panel View:

(2' x 2')



## Multiple Panel View:

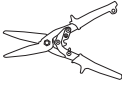

(4' x 4')



## Available Patterns:

1	2	3	4	5	6	8	10	11	12
13	14	16	17	18	19	20	21	22	23
24	25	26	27	28	29	30	31	32	36
37	38	39							

# SNAP LOCK™ INSTALLATION ACCESSORIES

Product	Code*	Type	Size	Color	Installation Type(s)	Description
<b>Guillotine Cutter</b> 	CUTTE	Martin Yale W24	19" x 24"		All	Popular tool used for straight cutting of tin panels. Requires two cuts per panel, not used for Snap Lock™ flange.
<b>Tin Snips</b> 	SNIP	Aviation	Long Nose		All	Drop forged Chrome-Molybdenum Alloy steel blades. Serrated edged blades, induction hardened. Cuts 20 gauge cold rolled sheet metal and 24 gauge stainless steel sheet metal.
<b>3oz Touch-up Paint</b> 	TPAINT	Sherwin Williams Latex Paint	3oz	Bright White Satin, Bright White Gloss, Creamy White Satin	All	Used for touching up small areas, wood moldings, and other accessories.
<b>16oz Spray Paint</b> 	PAINT	DAR Automotive Paint	16oz	Bright White Satin, Bright White Gloss, Creamy White Satin, Royal Gold, Rustic Copper Translucent	All	Coverage area of 200 square feet for painting suspended ceiling grids.

# SNAP LOCK™ INSTALLATION GENERAL INFO

## Ceiling Components:

A tin ceiling is comprised of two primary components and two optional components. The primary components are the tin ceiling panels and the crown molding. Optional components are flat molding/rope molding and filler. These components are generally used when the design layout requires it.

## Layout:

There are a variety of layout possibilities with tin, including the use of molding, filler panels, and more. You can view all of the different possibilities to create unique and dramatic ceilings on our website at [www.AmericanTinCeilings.com](http://www.AmericanTinCeilings.com).

## Tools and Materials:

See your project installation instructions for the specific materials list for your project type.

- **Tin panels:** American Tin Ceilings has three types of panels depending upon the type of installation: Nail-Up is used for traditional applications on a wood substrate, and for all backsplash, wall, and wainscoting projects (use adhesive instead of nails for these applications). Snap Lock™ is used for installation over dry-wall or popcorn ceilings. Drop-In panels are used with standard 2' x 2' systems that have 15/16" grid widths.
- **Crown/Flat Molding:** Matching tin molding is available from American Tin Ceilings. Wood molding can be purchased at a local hardware store.
- **Construction adhesive:** Loctite® Power Grab® (Backsplash, Wall and Project applications)
- **Caulking:** DAP silicone latex painter's caulk (for Nail-Up and Snap Lock™ application types)
- **Touch-up paint:** AmericanTinCeilings.com carries a selection of touch-up paints. If you prefer, your local hardware store or automotive paint supplier may be able to match if provided with a sample.
- **Tools (Depending upon installation type):** Ladders / Scaffolding / Drill / Tin snips / Metal shears / Guillotine cutter / Hammers / Nail gun / Chalk line / Tape measure



# SNAP LOCK™ INSTALLATION GENERAL INFO

## INSTALLATION

Snap Lock™ is a tongue & groove type installation. You will need to start in a corner and install one row at a time. The key to installation is not to make the joints too tight. Leave approximately 1/16" of space at the joint, where the focus is on making everything square. If the joints are too tight, then the squares will get out of alignment.

## PAINTING

**Painting:** No water-based products can be used directly on the metal tiles or molding; however, you can use an oil-based primer. Once the tiles have been primed, you are able to use a paint of your choice. Sherwin Williams and Benjamin Moore also offer DTM (direct-to-metal) paints. The DTM paints can be painted directly on the metal and will eliminate the need to use a primer.



**Clear Coat:** No water-based paint can be used directly on the metal. The best choices are an oil-based polyurethane or a lacquer.

**For more info, please visit:**

[www.AmericanTinCeilings.com/resources/painting.html](http://www.AmericanTinCeilings.com/resources/painting.html)

## CUTTING TIN

**Metal shears / Tin snips:** These tools can be purchased at [www.AmericanTinCeilings.com](http://www.AmericanTinCeilings.com).

**Guillotine paper cutters:** Heavy-duty tabletop paper cutters similar to those used in schools and office environments. Every job requires cutting of varying lengths. We carry the Martin Yale 'Premiere' Cutter at manufacture cost.



**RotoZip tool:** Great for can lights and applications that require circular cuts.

## FIXTURES & VENTS

**Light fixtures, chandeliers, recessed lighting, vents, etc., can easily be accommodated by tin ceiling panels.**

1. Remove the fixture
2. Trace the fixture perimeter onto the tin panel
3. Cut out traced area with tin snips
4. Install cut tin on ceiling
5. Re-install fixture over installed tin

# SNAP LOCK™ INSTALLATION GENERAL INFO

## SNAP LOCK™ CEILING INSTALLATION

### Preparing Your Ceiling for SNAP LOCK™ Installation:

1. Your starting point on the ceiling can be any corner of the room.
2. Measure the width of your tile and add a 1/2" to 3/4" to your measurement.
3. Mark the ceiling with the measurement from Step #2 in the corner of your room.
4. Repeat Steps #1 - #3 on an opposite corner but NOT a diagonal corner to your first measurement.
5. Snap a chalk line from those two measuring points. This will provide the proper alignment for your panels.



### Installing Your SNAP LOCK™ Tiles:

1. Attach the first ceiling panel to the corner of the ceiling with the male flanges facing the wall, allowing a 1/2" space from the wall (use #6 drywall screws that are 1 1/4" in length to attach the panel to the ceiling). This insures that the panels remain straight, even in rooms that are not perfectly square. Install your first panel as squarely as possible. Start with the male flange facing the wall so that the screw plate on the female flange is always exposed as you progress. In most cases when installing a 24" pattern, filler panels will be needed because of the deep profile embossment of the panels. For example, if your room is 11' x 13', you would install your field panels in a 10' x 12' area in the center of the room and then install 12" of filler panels around the perimeter. This creates a uniform look and allows your molding to sit flush with the ceiling, as it is overlapping the filler panels.
2. After installing your first row, snap a chalk line for the second row at 24 1/8". Slip the male flange into the female flange on the second row, making sure before attachment to leave no more than a 1/16" gap between the two. You may find it helpful to have a putty knife handy to open the female flange. **Note:** If you try to force your panels too tight, the corners will eventually form a gap and you will have no way to keep your pattern aligned. Continue to work your way across the ceiling in rows until you reach the end of the room, as well as the opposing wall.
3. If you have light fixtures you will need to lay them out on the back of the ceiling panel as you reach them. Measure from the edge of your ceiling tile and mark out your ceiling fixture placement. Drill a hole in the center of the layout, then use tin snips to cut away the material. You can do this by either cutting at 90 degrees to the lay out mark, then cutting the perimeter mark out, or by cutting a spiral to your layout mark (cutting in a circle). You can now install your beauty rings for the lights.
4. When approaching the perimeter of your room you will have to cut the female flange off. You will need to shim this partial panel using a paint stick before screwing it to the ceiling. This will prevent the tile from being pulled too tight to the ceiling, creating a gap.
5. Now you are ready to install the crown molding (please refer to the molding installation instructions on pages 8-9).



### TOOL/SUPPLIES REQUIRED:

- |                         |                            |                      |
|-------------------------|----------------------------|----------------------|
| • Ladder or scaffolding | • Aviation shears          | • Cordless screw gun |
| • Tape measure          | • Chalk box                | • #6 drywall screws  |
| • Putty knife           | • Fine point Sharpie       | • Hammer             |
| • Drill                 | • Paint sticks (for shims) | • Safety glasses     |
| • 1/2" drill bit        | • Straight edge            | • Gloves             |

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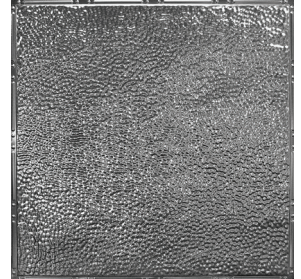
# SNAP LOCK™ INSTALLATION GENERAL INFO

## FILLER INSTALLATION FOR CEILINGS

The most common tin ceiling layout uses no filler and merely trims the panel flush wall to wall. However, filler is required for certain applications.

### Filler is generally used with:

- Patterns with a deep profile depth that do not accommodate cropping
- For design layouts specifying filler



Cut the filler to fit into the coverage area. When finishing a perimeter, cut the filler panels so that the edges will butt flush against the wall.

Install the filler by coating the backside with Loctite® Power Grab® or a similar adhesive and position it in place.

Once positioned, nail the filler panel into the substrate, placing one nail every 6 inches around the perimeter of the filler panel. Overlap adjacent filler panels by 1/4" utilizing the nail rail.

Flat molding is often used to transition between filler and panels, and will hide any unsightly seams.

**Filler for Snap Lock™, Nail-Up and Backsplash applications will require the use of the F1-N or F2-N filler panels. These will have a nail rail on the perimeter of the panel. For Drop-In applications, the F1-D and F2-D are required and do not have a nail rail.**



***TAB: MOLDING***





Pattern #3  
Copper Brushed Bronze



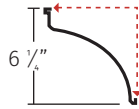
Pattern #2  
Brushed Satin Nickel



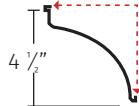
Cornice, flat, and girder nose moldings available in 4' lengths. All molding may be finished with the same industrial strength powder-coated and Artisan finishes to match our panels.

# MOLDING

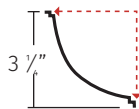
**C1 Cornice**  
6 1/4" Projection  
Concave



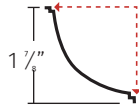
**C2 Cornice**  
4 1/2" Projection  
Concave



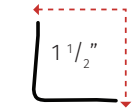
**C3 Cornice**  
3 1/4" Projection  
Convex



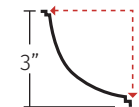
**C4 Cornice**  
1 7/8" Projection  
Convex



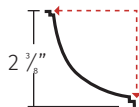
**C7 Cornice**  
1 1/2" Projection  
Convex



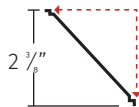
**C8 Cornice**  
3" Projection  
Convex



**C9 Cornice**  
2 3/8" Projection  
Convex



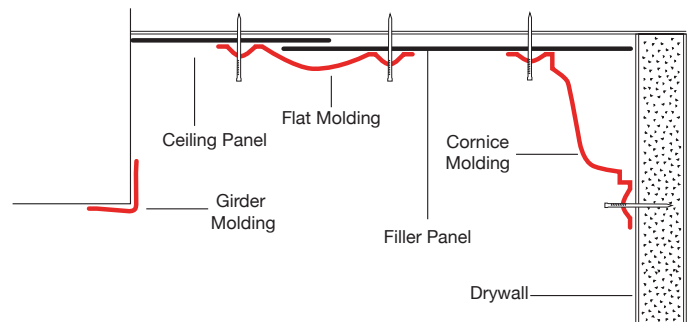
**C10 Cornice**  
2 3/8" Projection  
Straight



**G1 Girder**  
1 1/2" Projection  
Convex

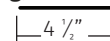


Product*	Width	Length	Projection	Finish	Weight (lbs.)
C1	8 3/4"	4'	6 1/4"	All	1.30
C2	6 1/2"	4'	4 1/2"	All	0.90
C3	4 1/2"	4'	3 1/4"	All	0.35
C4	2 1/2"	4'	1 7/8"	All	0.35
C7	2 3/8"	4'	1 7/8"	All	1.00
C8	4 1/2"	4'	3"	All	1.00
C9	3 1/2"	4'	2 3/8"	All	1.00
C10	3 1/2"	4'	2 3/8"	All	1.00
M1	4 1/2"	4'	-	All	0.65
M2	3 1/2"	4'	-	All	0.55
M3	3 1/2"	4'	-	All	0.55
G1	1 1/2"	4'	1 1/2"	All	0.35
J1	5/16"	4'	1/16"	All	0.25
L1	1/2"	4'	-	All	0.25



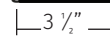
**M1 Flat Molding**

4 1/2" Width



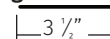
**M2 Flat Molding**

3 1/2" Width



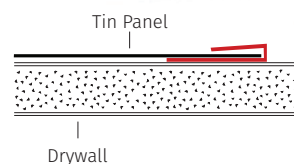
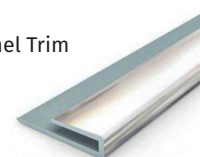
**M3 Flat Molding**

3 1/2" Width

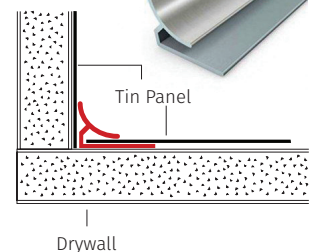
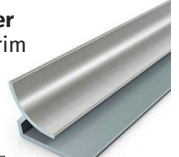


## BACKSPLASH AND WALL TRIM

**Edge**  
J-channel Trim



**Inside Corner**  
L-channel Trim





# CROWN MOLDING INSTALLATION FOR CEILINGS

## Tool & Material Checklist

- Crown Molding
- Tin Tile Panels
- Cone Head Nails
- Furring Strips
- Power drill or screw driver
- Construction adhesive
- Wide Masking Tape
- Compass or Scribing Tool
- Sliding bevel square
- Optional: Caulking gun or file

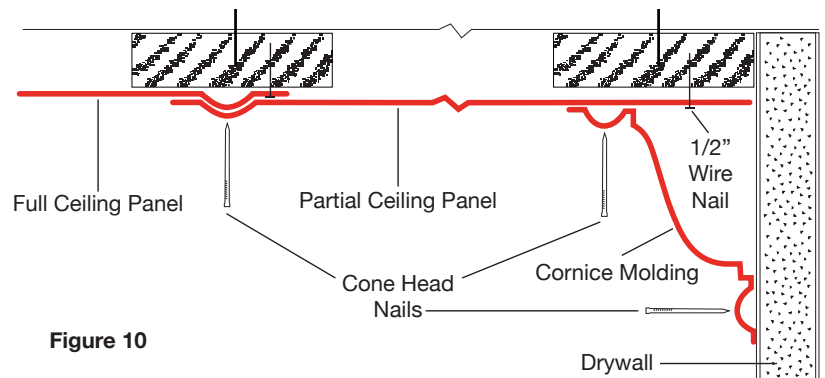


Figure 10

## Crown Molding Size Selection

- The size of molding depends largely on room size and ceiling height.
- Large rooms with high ceilings generally accommodate wider crown moldings.

## Nail Application

- Figure 10 shows the relationship of the crown molding, tin panels, furring strips, and nails.
- Crown molding is fastened with cone-head nails.
- Since the nails are driven up into the furring strips at a slight angle, and must pass through a metal ceiling panel, it's best to first drill pilot holes through the panels, but not through furring strip. Leave enough solid wood so the nail will hold securely once driven.
- Drive the nails through the buttons in the crown molding. Try to align the crown molding buttons with the ceiling panel buttons to ensure a professional- looking installation.
- It is not necessary to nail the crown molding to the wall. The nails in the ceiling provided sufficient pressure to hold the crown molding flat to the wall.

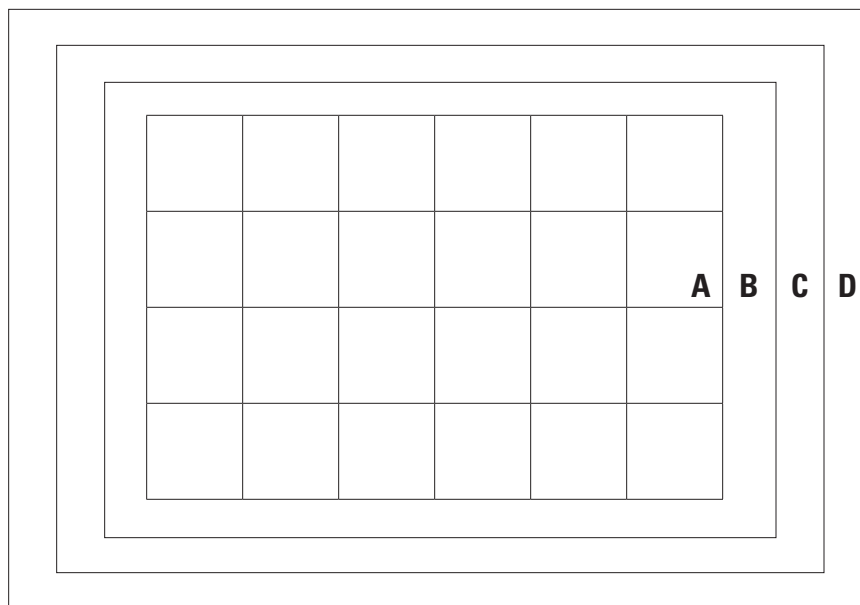
## Crown Molding Installation

- Install the crown molding around the room, overlapping ends by about 4 inches.
- At an inside corner, run one crown molding piece square into the corner.
- Using a coping cut technique, trim the second piece on the adjacent wall to fit. Here's an easy way to cope a perfect inside corner:
  - First, place a strip of wide masking tape across the end of a piece of scrap molding. Hold the scrap molding in the corner and use a simple compass or scribing tool to transfer the profile of the nailed-in-place crown molding to the scrap piece (fig 14).
  - Next, cut along the pencil line and test fit the coped cut (figs 15 & 16). You may have to make a few minor trim cuts or do a small amount of filing to make the parts fit together. Once the coped cut fits perfectly, use this scrap piece as a template to mark a length of crown molding for installation.

# CROWN MOLDING INSTALLATION FOR CEILINGS

- Fitting crown molding to an outside corner is clearly the toughest part of a metal ceiling installation. But again, there's a procedure that, along with a little patience, will produce perfect joints. Since most corners outside and inside aren't precisely square (90 degrees), you must first determine the angle of the outside corner using a sliding bevel square. Place the square up to the corner, tighten the wingnut and then measure the angle of the square to this angle.
- Place a strip of masking tape on the ceiling running out from the corner. Hold the bevel square against the wall with its blade aligned perfectly with the outside corner. Mark a pencil line along the blade and onto the tape (fig 17). This line represents the point where the two moldings will meet. Hold a section of scrap molding against the wall in its proper position and so it extends past the line on the ceiling. Mark the molding's ( bottom edge where it touches the outside corner of the wall and its top edge where it intersects the line (fig 18). Now draw a line Figure 17 connecting the two marks across the face of the crown molding and make this angled cut with tin snips. Repeat this procedure for the opposite mating length of molding using a piece of scrap.
- Hold the two pieces together at the corner to check the joint. At this point, the two won't fit together very well. It's difficult to get a perfect fit because the surface of the crown molding is so uneven that cutting a straight line is difficult. However, it's simply a case of trimming and fitting until they do. It may take several attempts, but with a little patience and a keen eye you should be able to get the two parts to fit together tightly.
- Once you're satisfied with the fit, transfer the end cuts to the crown molding molding pieces and make the cuts. Be sure to cut and install the crown molding pieces so their buttons line up with the ceiling buttons once all the pieces are nailed in place.
- Nail up the two outside corner molding pieces and check the fit once again. If the molding are to be painted, fill the joint line with caulking. If the molding is to be left unpainted, file the joint for a perfect fit (fig 19).

## Tin Ceiling Overview



- A** - The Field Panel is the design of the main panel in the room. This panel may cover the entire ceiling or be centered in the room, as shown in the sketch above.
- B** - A Molding Strip may be used to enhance the appearance of the ceiling. It is installed between the field panels and the filler panel.
- C** - The Filler Panel is a panel with a simple over-all design such as a "hammered" or "dimpled" finish. This panel is used to center the Field Panel in the room.
- D** - The crown molding is applied to the corner of the wall and ceiling. It can be one of our metal crown moldings or your own choice such as stained wood.

# MOLDING INSTALLATION FOR CEILINGS

If you are installing Flat Molding with your ceiling, please refer to the Flat Molding installation instructions before completing the Crown Molding installation.

## Inside Corner and Straight Runs:

1. Starting in the back right corner of the ceiling, install an uncut piece of crown molding. Your final piece of coped molding will overlap this uncut piece. The crown molding will overlap your panels regardless of whether you are using filler panels or not. (This starting place is only necessary if you are using the factory directional cut copes and miters from American Tin Ceilings. Otherwise, you can start at any place in the room.)
2. Using cone head nails, nail the top of the molding to the ceiling every 6" along the perimeter, forming a 45 degree angle with the molding. Nail the bottom of the crown molding to the wall every 6".
3. Run your coped piece into the straight piece on the left side, and forming a 45 degree angle, attach it as in Step #2. The coped piece will be the piece of molding that has a factory cut at one end.
4. Continue to run your straight pieces to the opposing corner and then repeat Step #3.
5. After your crown molding is installed you can caulk the seams and corners with color matched or clear caulk. Colored caulk is available at most paint stores. This will not be required for all ceilings, but is an option to minimize any gapping between pieces of molding.



## Outside Corner and Straight Runs:

1. The outside corner is called an M-Cut or Miter Cut, which means the piece of molding is cut on each end.
2. When installing this outside corner you will first cut the molding in half, turning the pieces end for end (on the angled cut sides) where the two angle pieces meet. This will form the outside corner.
3. Place the left half to the ceiling, and on the right, bring the angle cut to meet the left angle cut. When you have a good fit, nail up the molding as in Step #2.
4. Continue around the perimeter, trimming and cutting corners as needed until all molding is installed. After molding installation is completed you can caulk the corner and the seams with latex color match caulking if necessary.

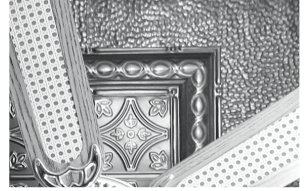




# MOLDING INSTALLATION FOR CEILINGS

**Installation of Flat Molding:** Flat molding is sometimes used between your field panels and your filler panels.

1. Make a 45 degree cut on the end of the flat molding.
2. Starting with the short side of the 45 degree angle, nail it to the point of the field tile on only one side. This will allow you to insert your filler panel under the flat molding and create a finished look as the edge of the flat molding has a decorative nail rail. After the filler is inserted under the edge, nail the other side of the molding, securing it to the ceiling.
3. Continue around the field tile, cutting 45 degree angles on the remaining corners and only nailing the field tile side of the molding, leaving the other side loose as mentioned in Step #2.
4. Once the flat molding and filler are in place, your crown molding can be installed.



## TOOL/SUPPLIES REQUIRED:

- Tape measure
- Framing square
- Cone head nails or 18 guage brad nail gun with brad nails
- Hammer
- Fine point Sharpie
- Aviation tin snips
- Caulking gun
- Silicone caulking (color match)

**If you have any questions, please call:  
1-888-231-7500 or visit us online at  
[www.AmericanTinCeilings.com](http://www.AmericanTinCeilings.com)**



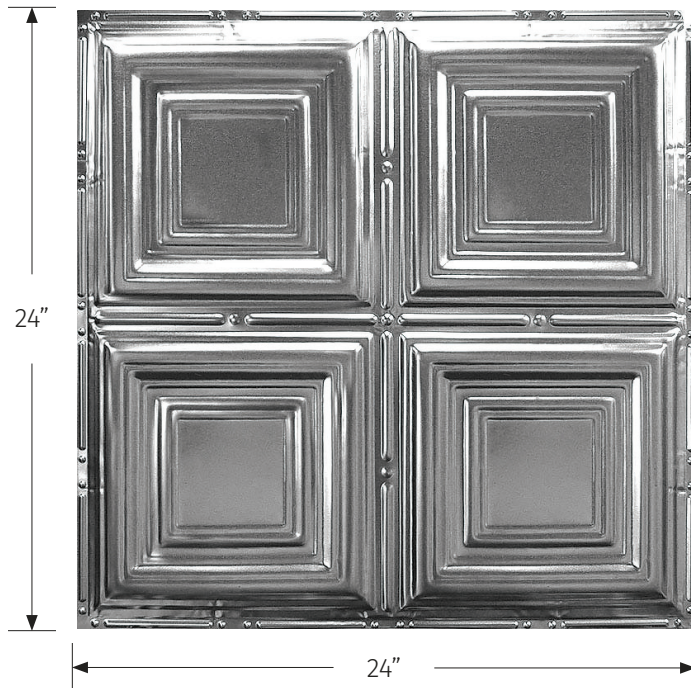
C2 cornice molding showing an inside corner cope.



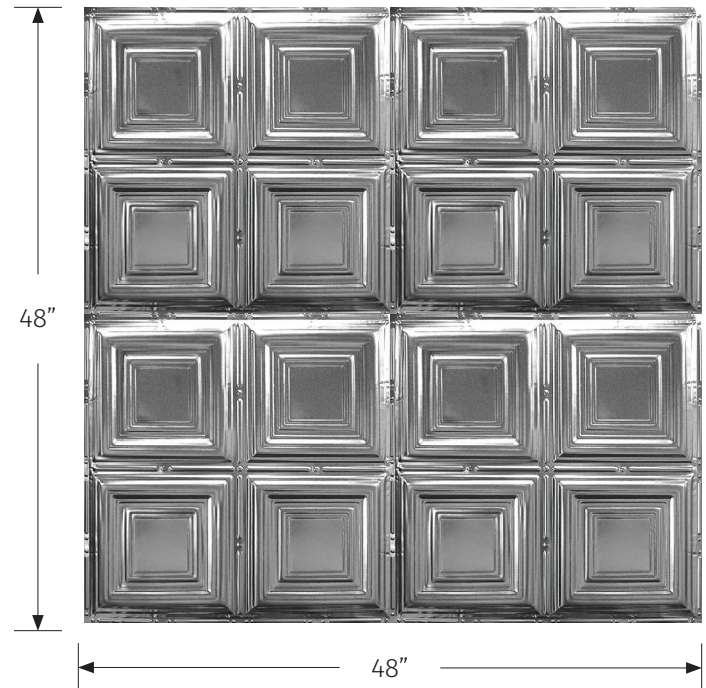
C2 cornice molding showing an outside corner miter.

*TAB: SPEC SHEETS*

*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #1:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

**Installation Type:** ☐ Nail-Up ☐ Drop-In ☐ Snap Lock™ ☐ Acoustic Nail-Up ☐ Acoustic Drop-In

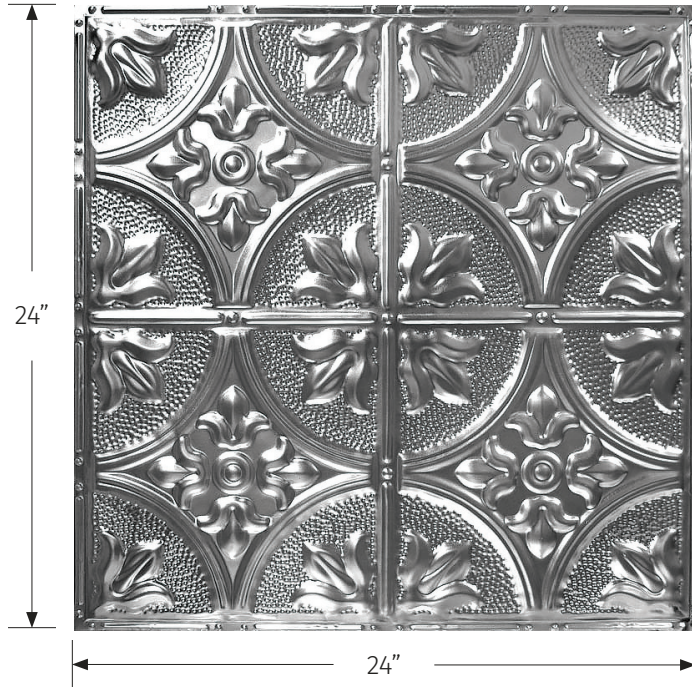
## ACCESSORIES:

**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Matching Switch Plates  
☐ 2" Acoustical Pad (for Acoustic Tiles only)

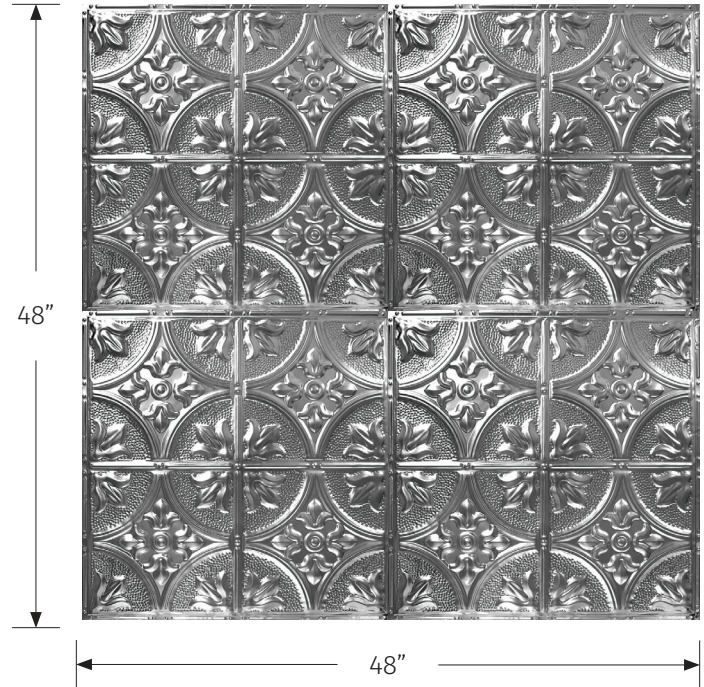
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SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		



*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #2:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

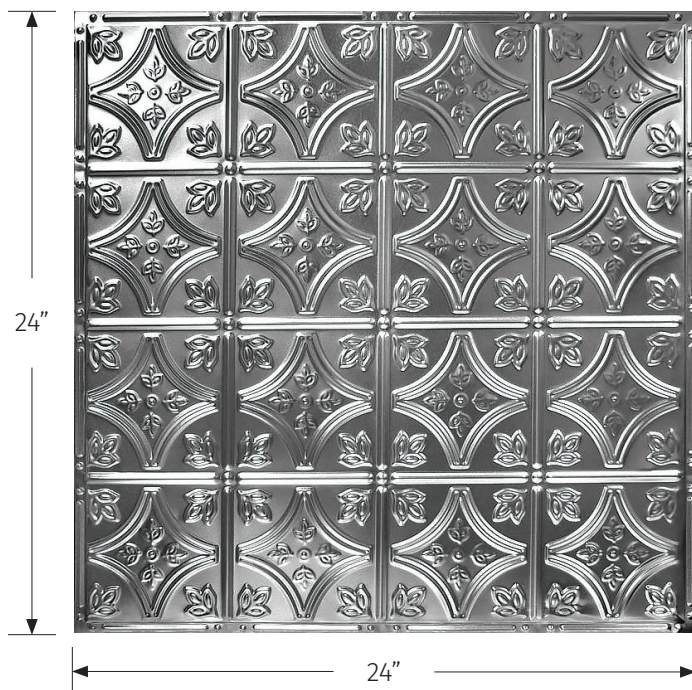
**Installation Type:** ☐ Nail-Up ☐ Drop-In ☐ Snap Lock™ ☐ Acoustic Nail-Up ☐ Acoustic Drop-In

## ACCESSORIES:

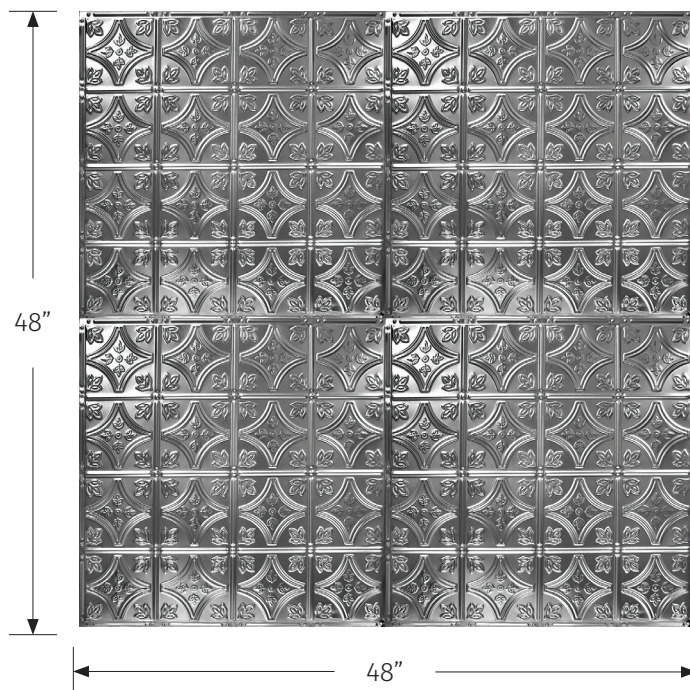
**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Matching Switch Plates  
☐ 2" Acoustical Pad (for Acoustic Tiles only)

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SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		

*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #3:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

**Installation Type:** ☐ Nail-Up ☐ Drop-In ☐ Backsplash ☐ Snap Lock™ ☐ Acoustic Nail-Up ☐ Acoustic Drop-In

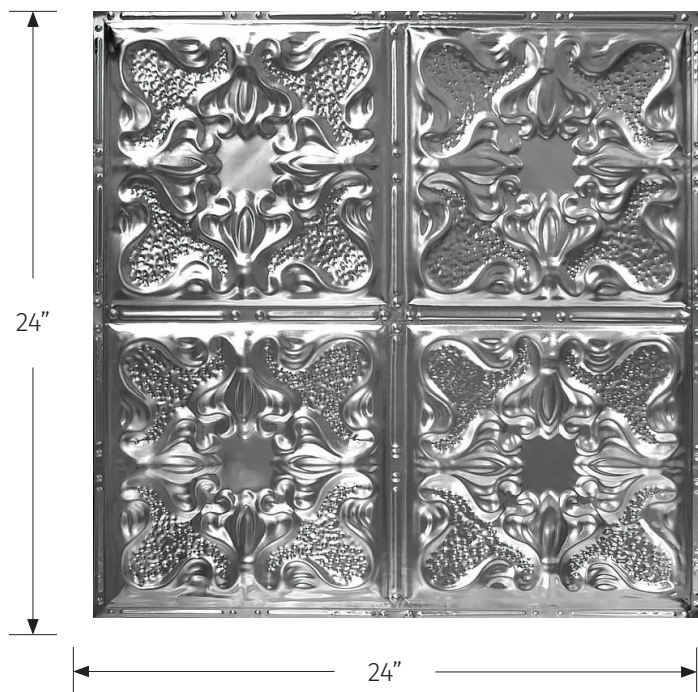
## ACCESSORIES:

**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Inside "L" Molding ☐ Edge "J" Molding  
☐ Matching Switch Plates ☐ 2" Acoustical Pad (for Acoustic Tiles only)

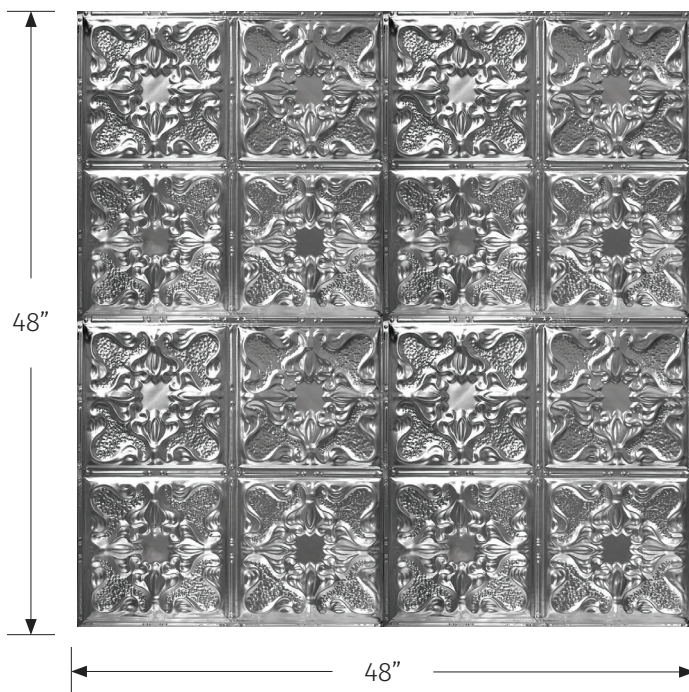
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SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		



*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #4:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

**Installation Type:** ☐ Nail-Up ☐ Drop-In ☐ Snap Lock™ ☐ Acoustic Nail-Up ☐ Acoustic Drop-In

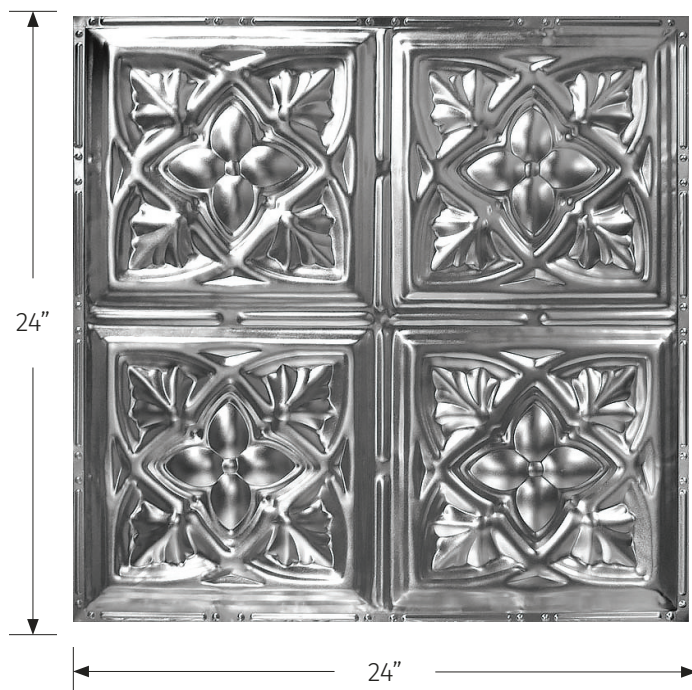
## ACCESSORIES:

**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Matching Switch Plates  
☐ 2" Acoustical Pad (for Acoustic Tiles only)

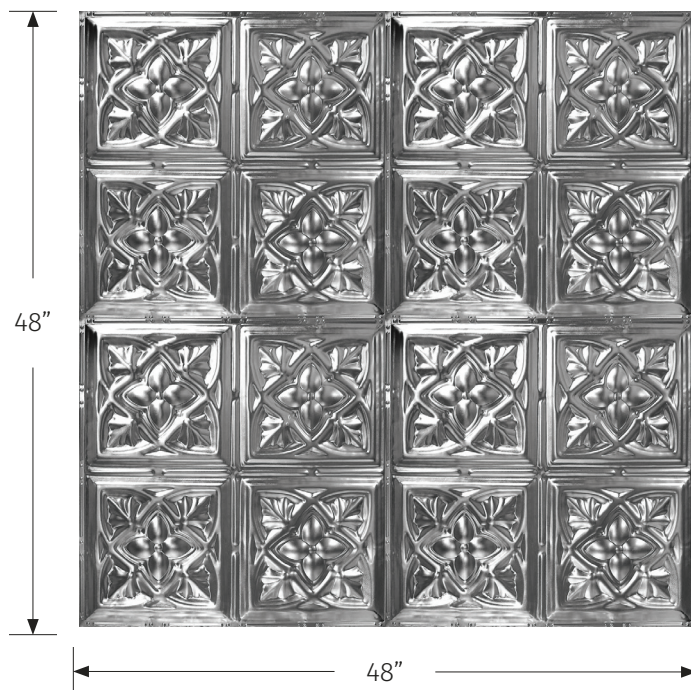
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SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		



*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #5:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

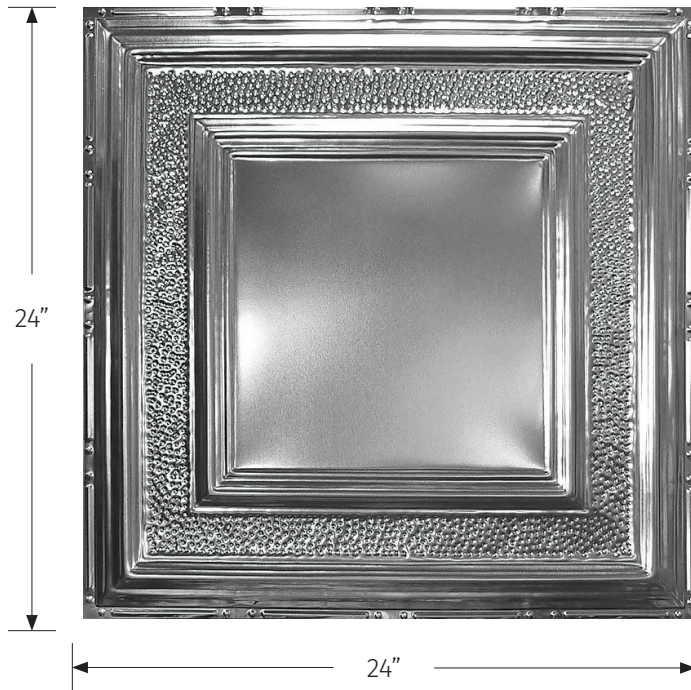
**Installation Type:** ☐ Nail-Up ☐ Drop-In ☐ Snap Lock™ ☐ Acoustic Nail-Up ☐ Acoustic Drop-In

## ACCESSORIES:

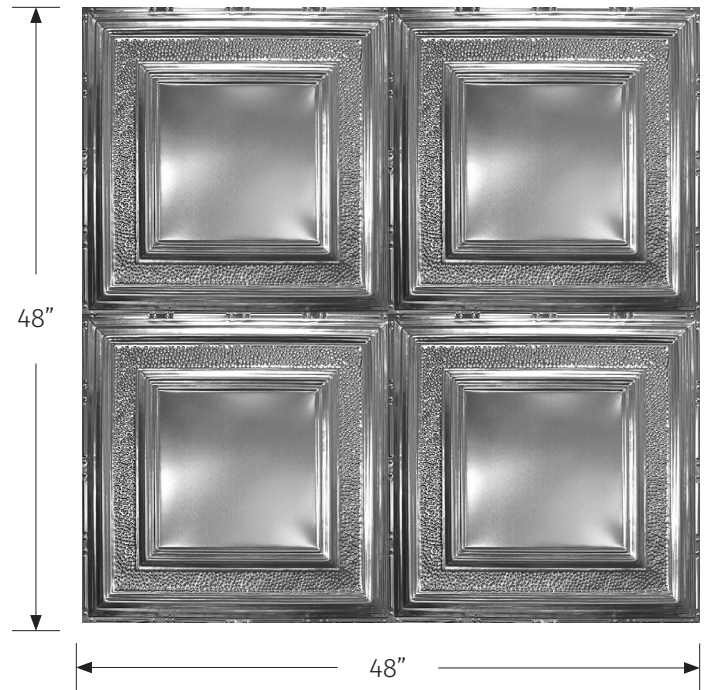
**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Matching Switch Plates  
☐ 2" Acoustical Pad (for Acoustic Tiles only)

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SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		

*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #6:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

**Installation Type:** ☐ Nail-Up ☐ Drop-In ☐ Snap Lock™ ☐ Acoustic Nail-Up ☐ Acoustic Drop-In

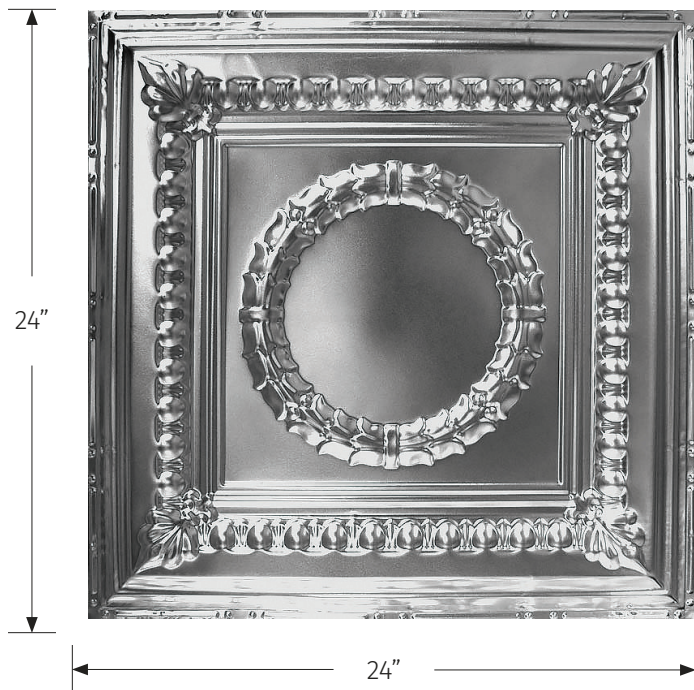
## ACCESSORIES:

**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Matching Switch Plates  
☐ 2" Acoustical Pad (for Acoustic Tiles only)

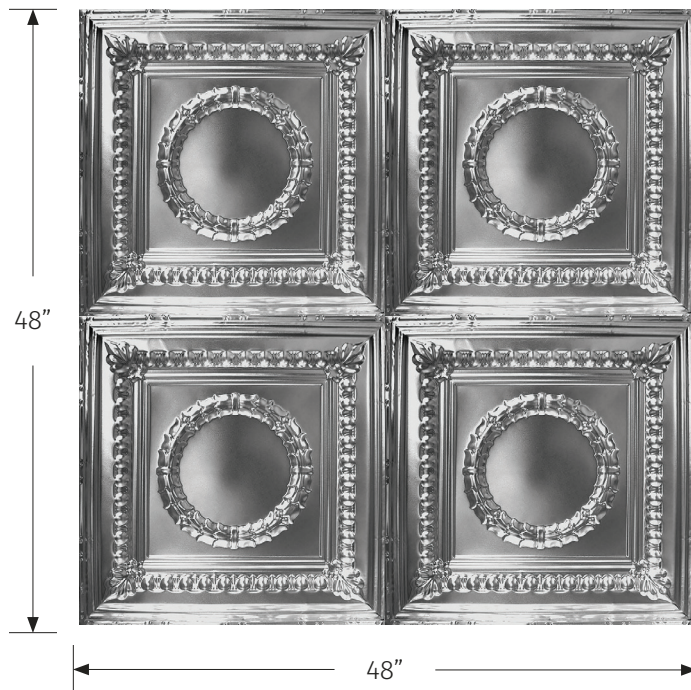
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SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		



*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #7:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

**Installation Type:** ☐ Nail-Up ☐ Drop-In

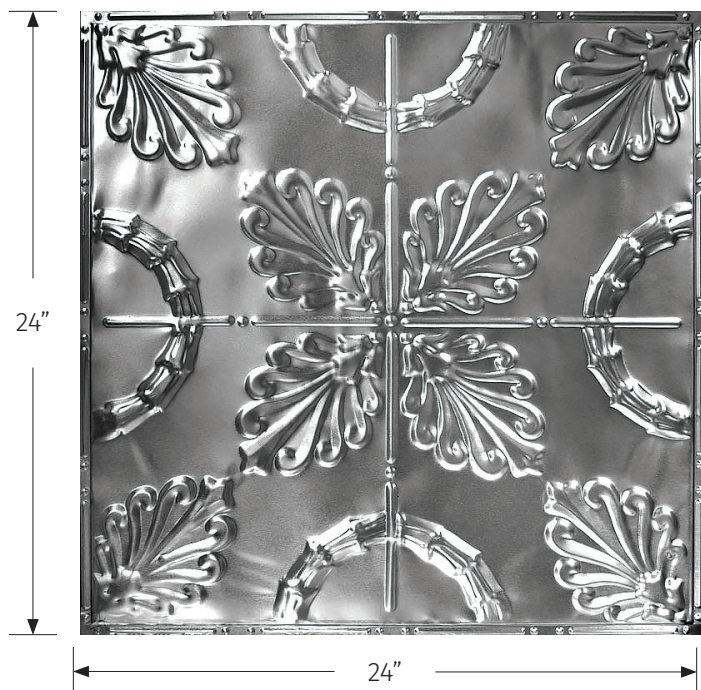
## ACCESSORIES:

**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Matching Switch Plates

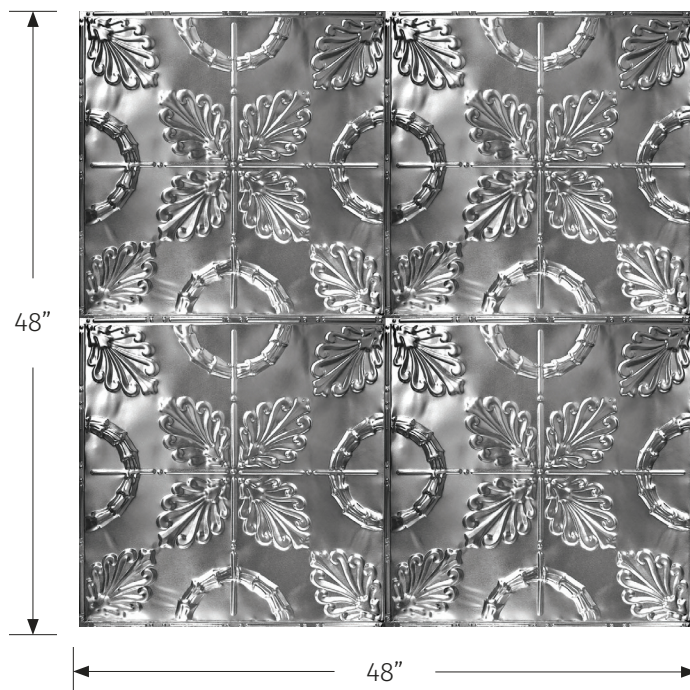
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SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		



*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #8:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

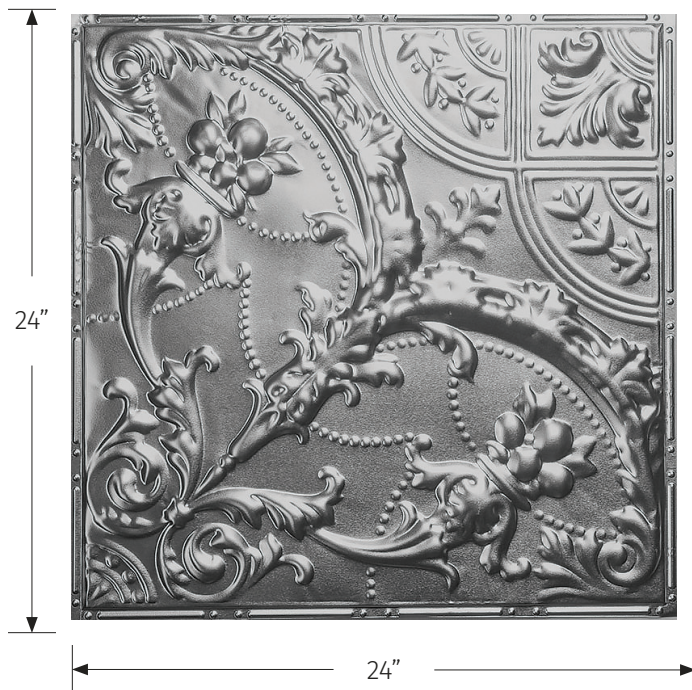
**Installation Type:** ☐ Nail-Up ☐ Drop-In ☐ Snap Lock™ ☐ Acoustic Nail-Up ☐ Acoustic Drop-In

## ACCESSORIES:

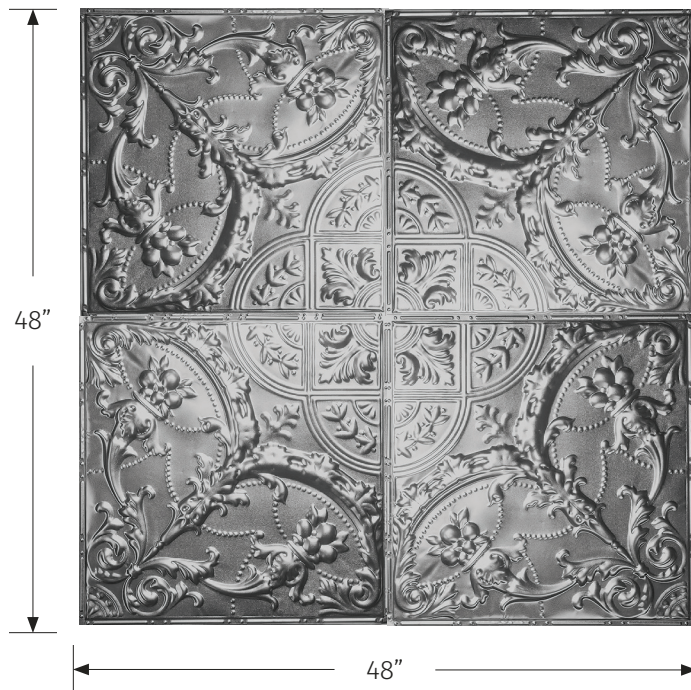
**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Matching Switch Plates  
☐ 2" Acoustical Pad (for Acoustic Tiles only)

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SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		

*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #9:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

**Installation Type:** ☐ Nail-Up ☐ Drop-In

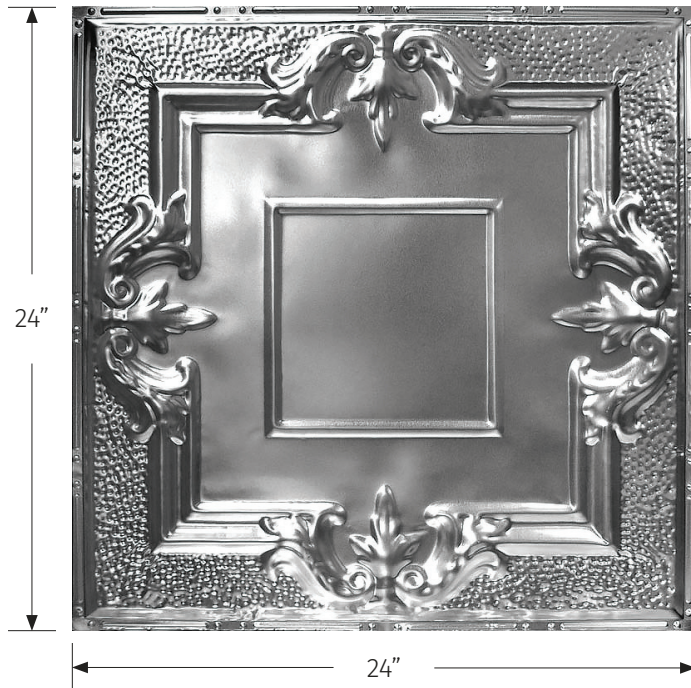
## ACCESSORIES:

**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Matching Switch Plates

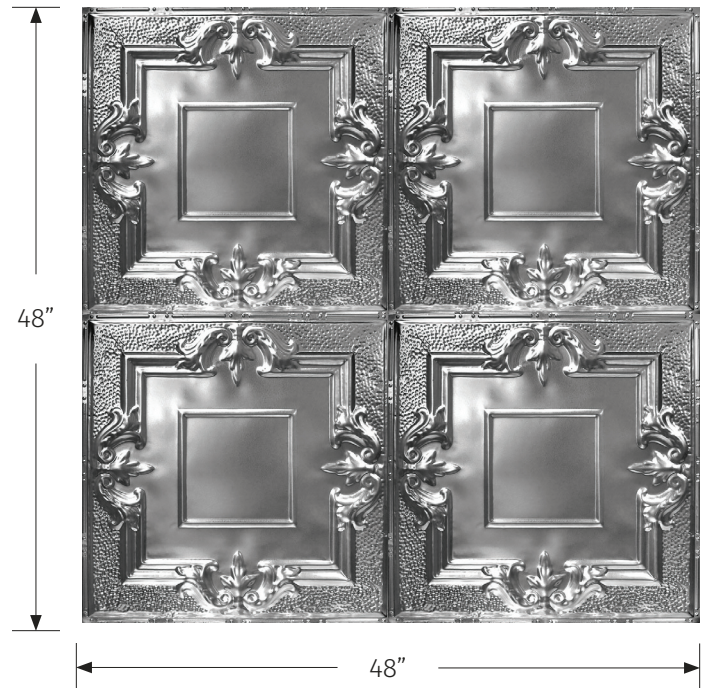
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SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		



*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #10:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

**Installation Type:** ☐ Nail-Up ☐ Drop-In ☐ Snap Lock™ ☐ Acoustic Nail-Up ☐ Acoustic Drop-In

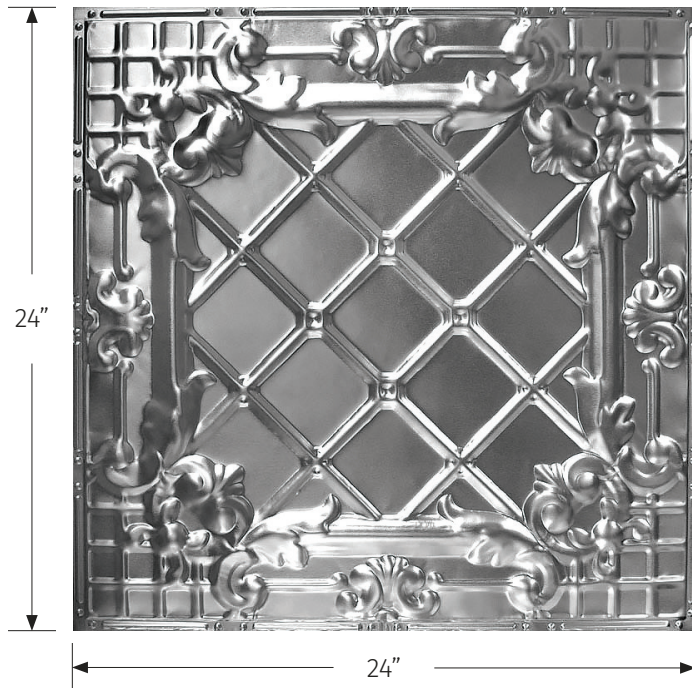
## ACCESSORIES:

**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Matching Switch Plates  
☐ 2" Acoustical Pad (for Acoustic Tiles only)

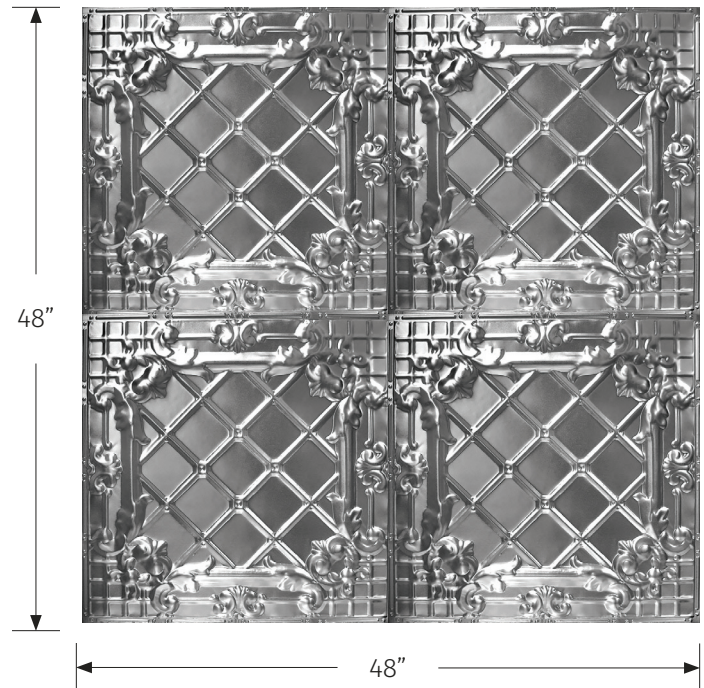
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SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		



*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #11:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

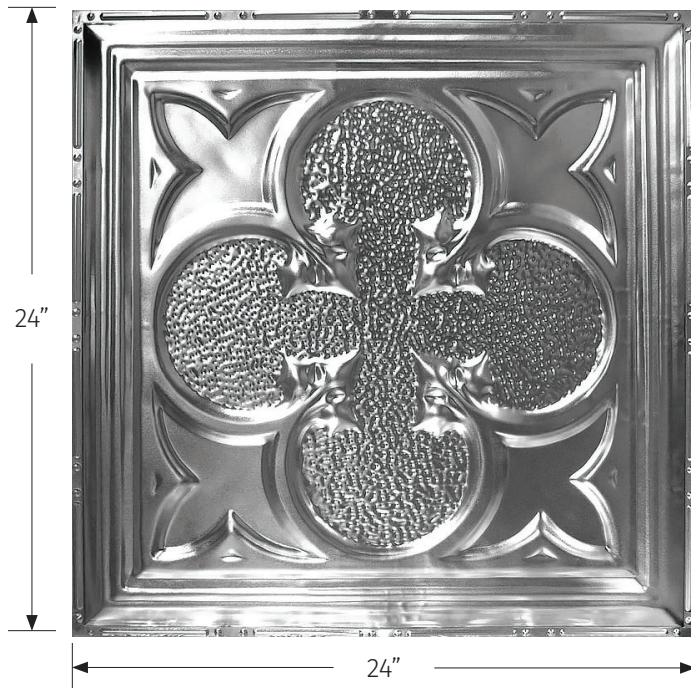
**Installation Type:** ☐ Nail-Up ☐ Drop-In ☐ Snap Lock™

## ACCESSORIES:

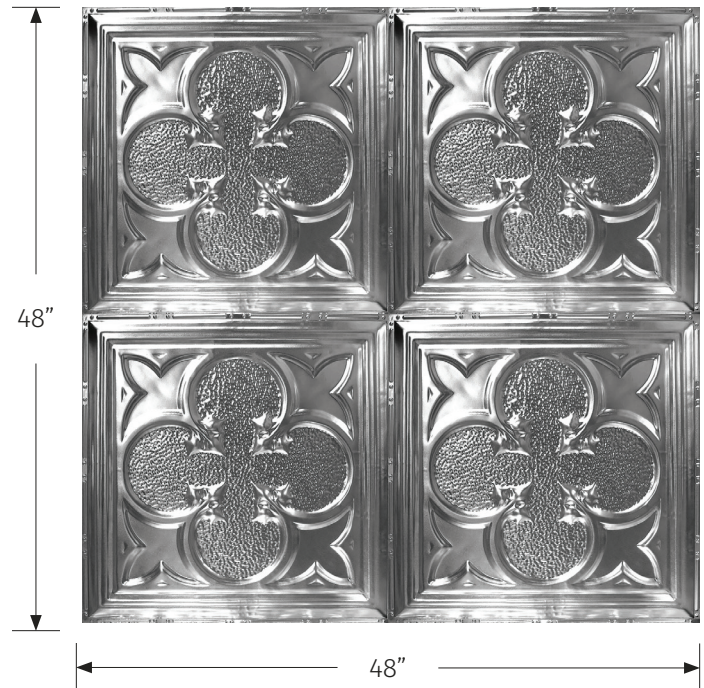
**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Matching Switch Plates

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SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		

*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #12:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

**Installation Type:** ☐ Nail-Up ☐ Drop-In ☐ Snap Lock™ ☐ Acoustic Nail-Up ☐ Acoustic Drop-In

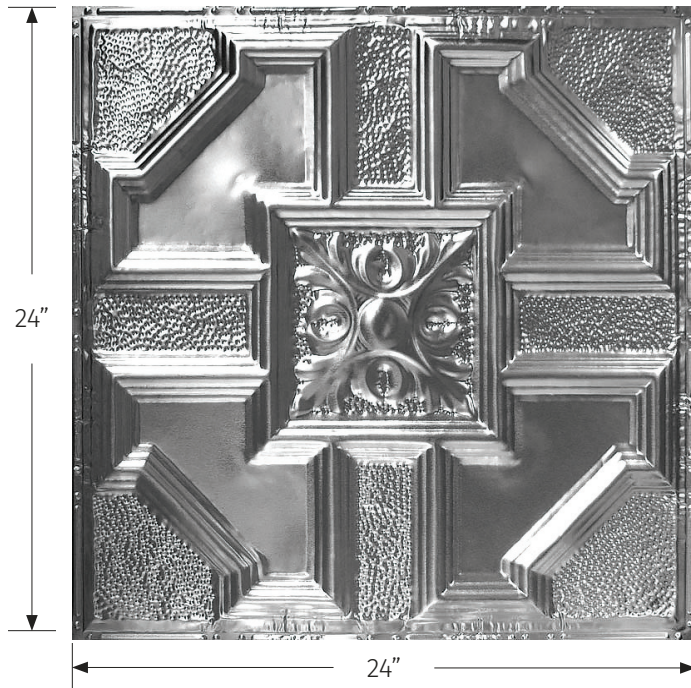
## ACCESSORIES:

**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Matching Switch Plates  
☐ 2" Acoustical Pad (for Acoustic Tiles only)

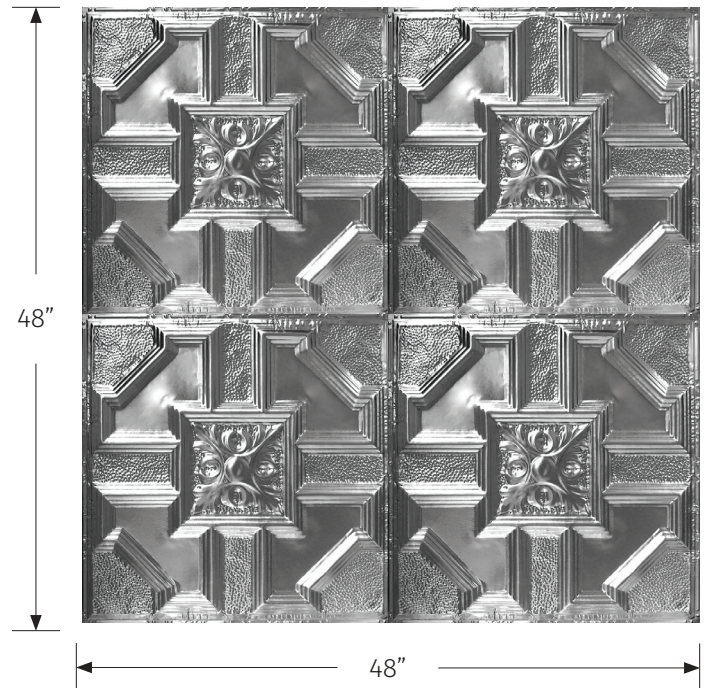
SUBMITTED TO: _____	COMPANY: _____	DATE: _____	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> NOT ACCEPTED <input type="checkbox"/> MODIFIED <input type="checkbox"/> RESUBMIT  _____ (Signature / Title)
SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		



*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #13:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

**Installation Type:** ☐ Nail-Up ☐ Drop-In ☐ Snap Lock™

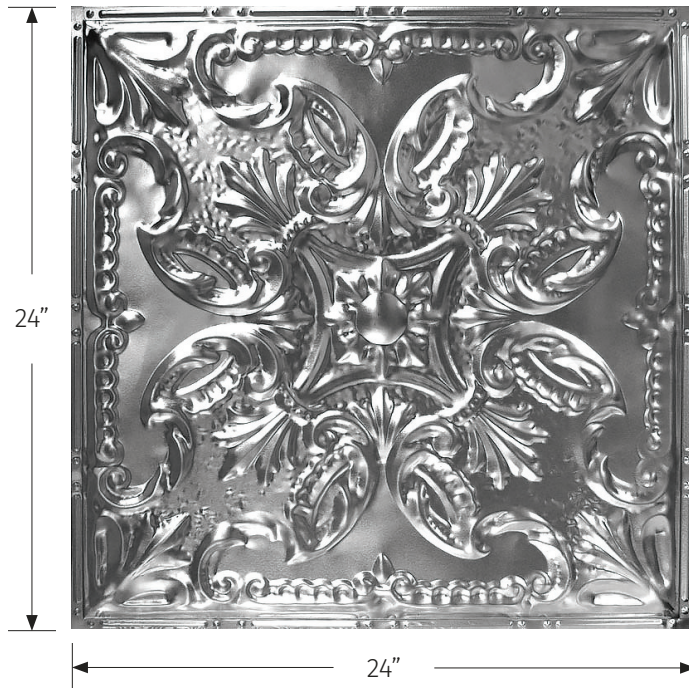
## ACCESSORIES:

**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Matching Switch Plates

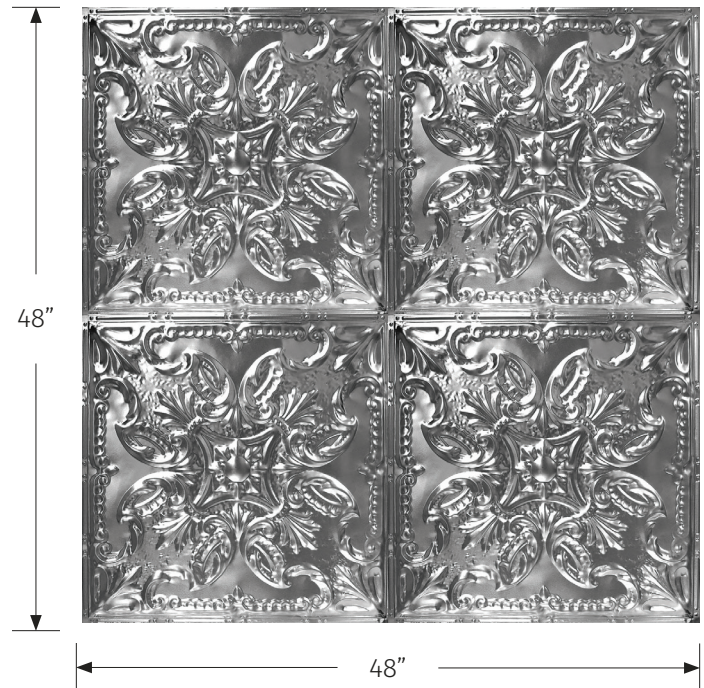
SUBMITTED TO: _____	COMPANY: _____	DATE: _____	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> NOT ACCEPTED <input type="checkbox"/> MODIFIED <input type="checkbox"/> RESUBMIT  _____ (Signature / Title)
SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		



*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #14:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

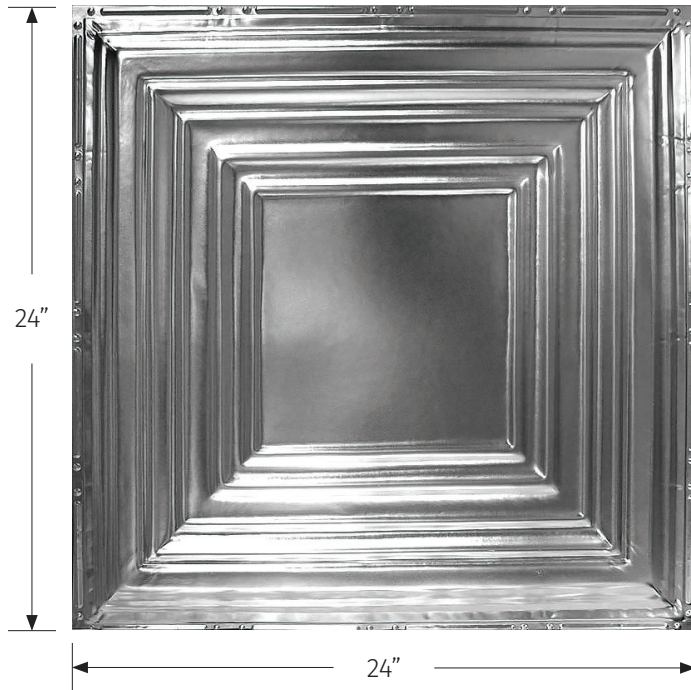
**Installation Type:** ☐ Nail-Up ☐ Drop-In ☐ Snap Lock™ ☐ Acoustic Nail-Up ☐ Acoustic Drop-In

## ACCESSORIES:

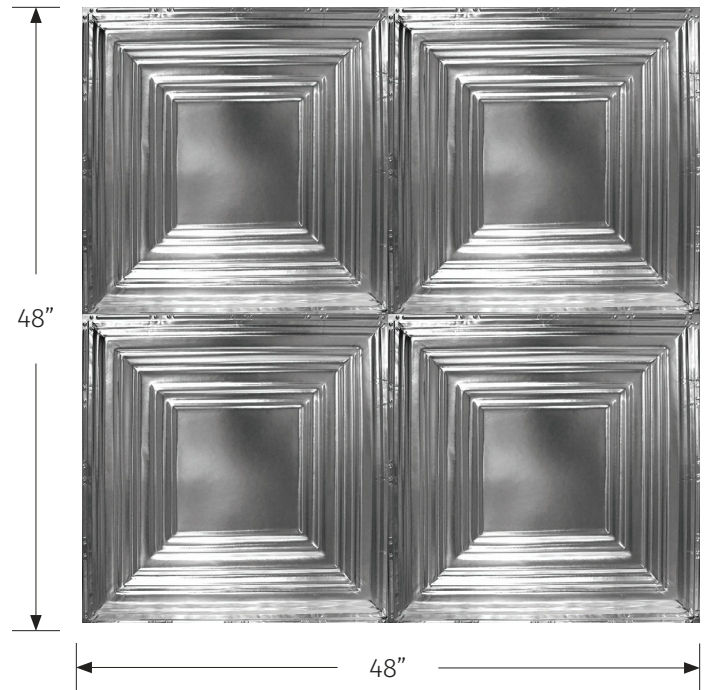
**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Matching Switch Plates  
☐ 2" Acoustical Pad (for Acoustic Tiles only)

SUBMITTED TO: _____	COMPANY: _____	DATE: _____	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> NOT ACCEPTED <input type="checkbox"/> MODIFIED <input type="checkbox"/> RESUBMIT  <div style="border: 1px solid black; height: 100px; width: 100%;"></div> <p style="text-align: center;">(Signature / Title)</p>
SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		

*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #15:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

**Installation Type:** ☐ Nail-Up ☐ Drop-In

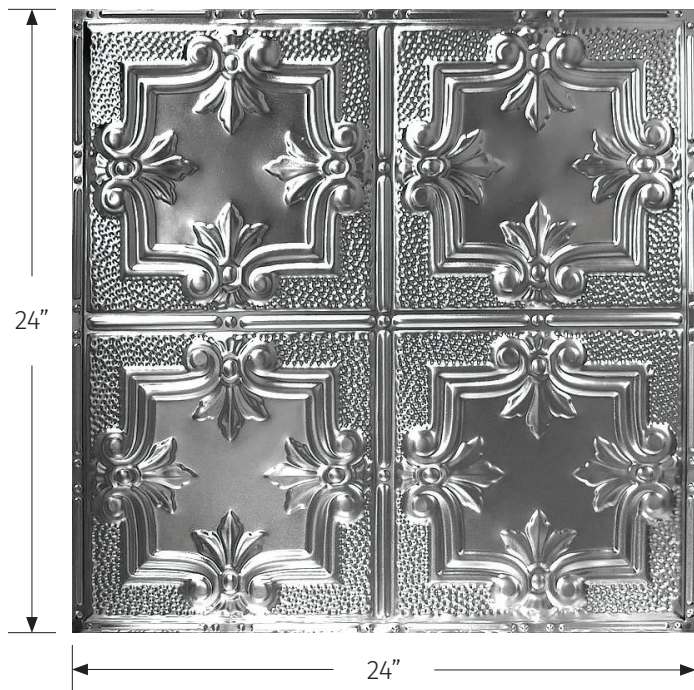
## ACCESSORIES:

**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Matching Switch Plates

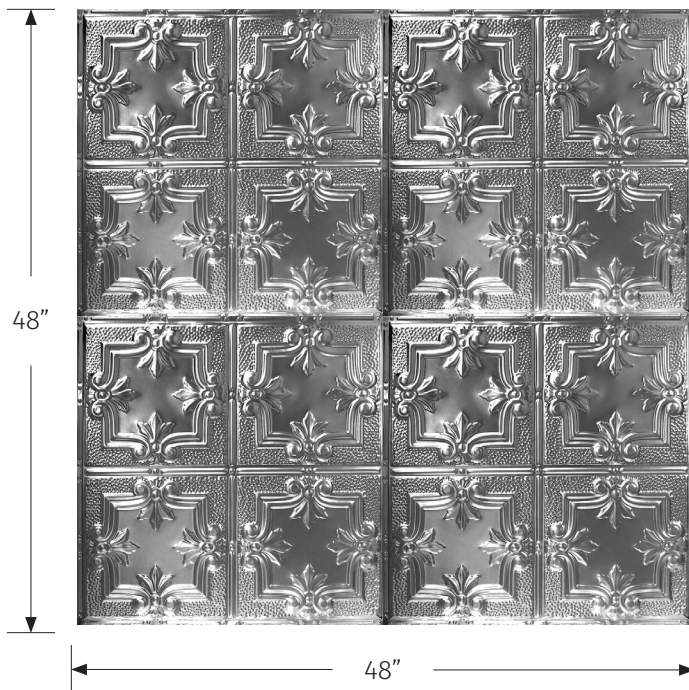
SUBMITTED TO: _____	COMPANY: _____	DATE: _____	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> NOT ACCEPTED <input type="checkbox"/> MODIFIED <input type="checkbox"/> RESUBMIT  _____ (Signature / Title)
SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		



*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #16:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

**Installation Type:** ☐ Nail-Up ☐ Drop-In ☐ Backsplash ☐ Snap Lock™ ☐ Acoustic Nail-Up ☐ Acoustic Drop-In

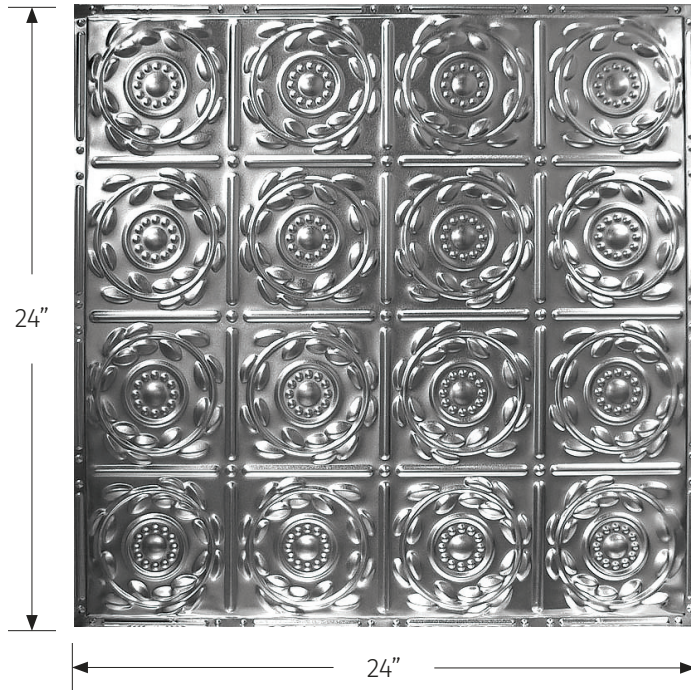
## ACCESSORIES:

**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Inside "L" Molding ☐ Edge "J" Molding  
☐ Matching Switch Plates ☐ 2" Acoustical Pad (for Acoustic Tiles only)

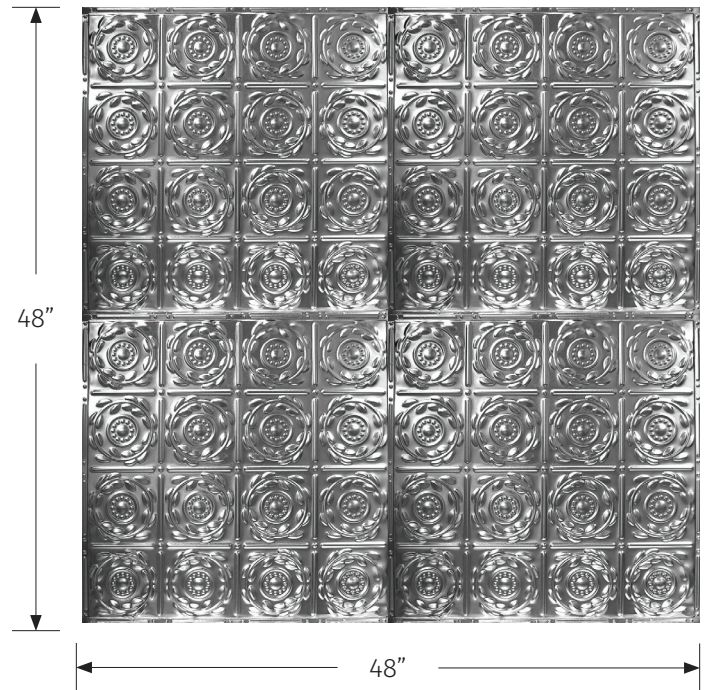
SUBMITTED TO: _____	COMPANY: _____	DATE: _____	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> NOT ACCEPTED <input type="checkbox"/> MODIFIED <input type="checkbox"/> RESUBMIT  _____ (Signature / Title)
SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		



*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #17:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

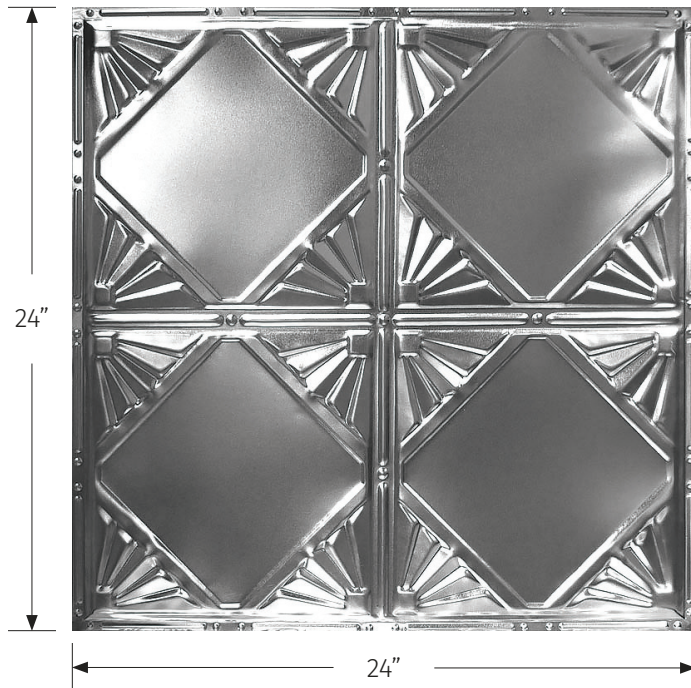
**Installation Type:** ☐ Nail-Up ☐ Drop-In ☐ Backsplash ☐ Snap Lock™ ☐ Acoustic Nail-Up ☐ Acoustic Drop-In

## ACCESSORIES:

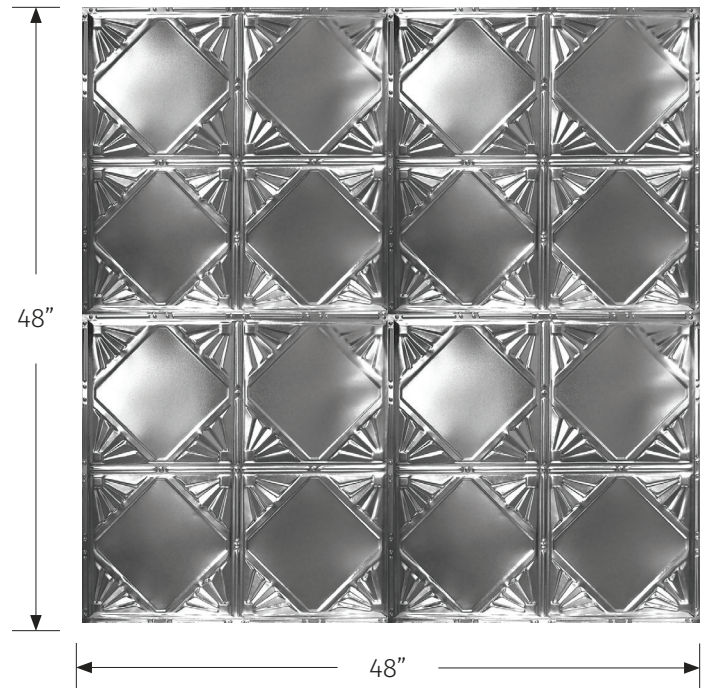
**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Inside "L" Molding ☐ Edge "J" Molding  
☐ Matching Switch Plates ☐ 2" Acoustical Pad (for Acoustic Tiles only)

SUBMITTED TO: _____	COMPANY: _____	DATE: _____	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> NOT ACCEPTED <input type="checkbox"/> MODIFIED <input type="checkbox"/> RESUBMIT  <div style="border: 1px solid black; height: 40px; margin-top: 10px;"></div> <p style="text-align: center;">(Signature / Title)</p>
SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		

*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #18:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

**Installation Type:** ☐ Nail-Up ☐ Drop-In ☐ Snap Lock™ ☐ Acoustic Nail-Up ☐ Acoustic Drop-In

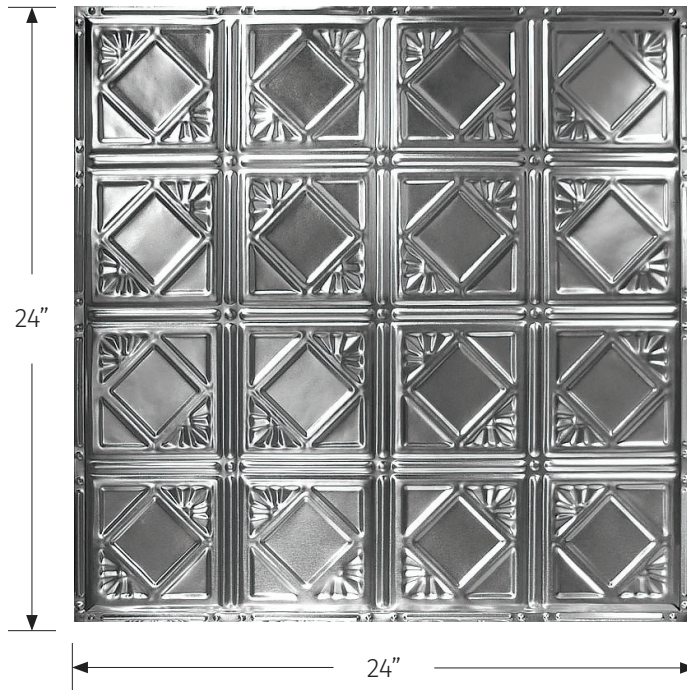
## ACCESSORIES:

**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Matching Switch Plates  
☐ 2" Acoustical Pad (for Acoustic Tiles only)

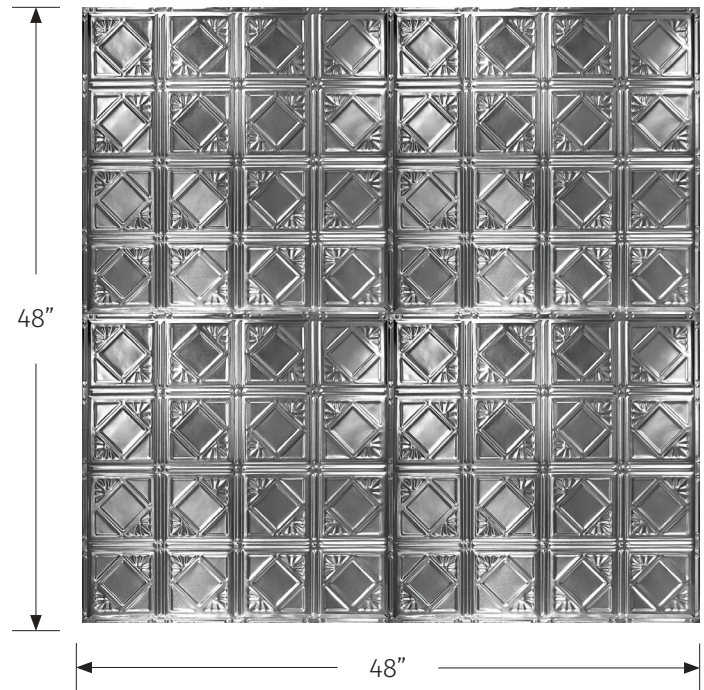
SUBMITTED TO: _____	COMPANY: _____	DATE: _____	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> NOT ACCEPTED <input type="checkbox"/> MODIFIED <input type="checkbox"/> RESUBMIT  _____ (Signature / Title)
SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		



*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #19:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

**Installation Type:** ☐ Nail-Up ☐ Drop-In ☐ Backsplash ☐ Snap Lock™ ☐ Acoustic Nail-Up ☐ Acoustic Drop-In

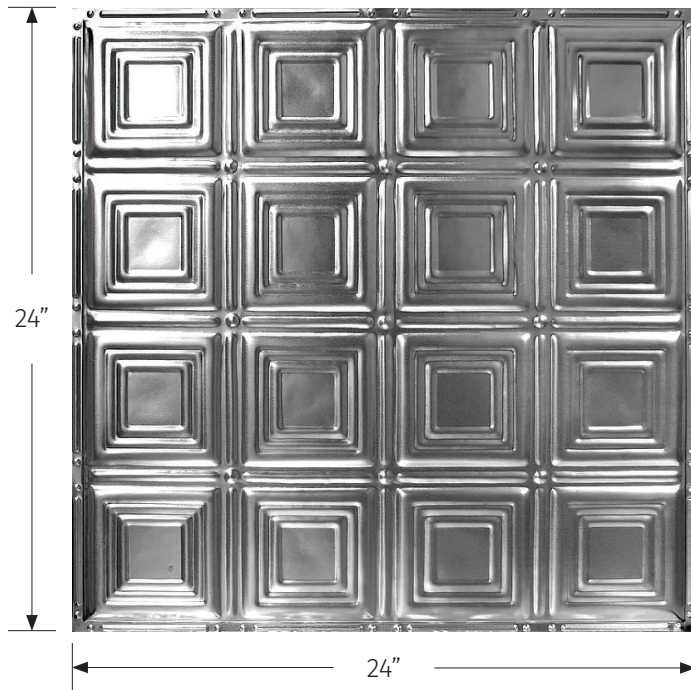
## ACCESSORIES:

**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Inside "L" Molding ☐ Edge "J" Molding  
☐ Matching Switch Plates ☐ 2" Acoustical Pad (for Acoustic Tiles only)

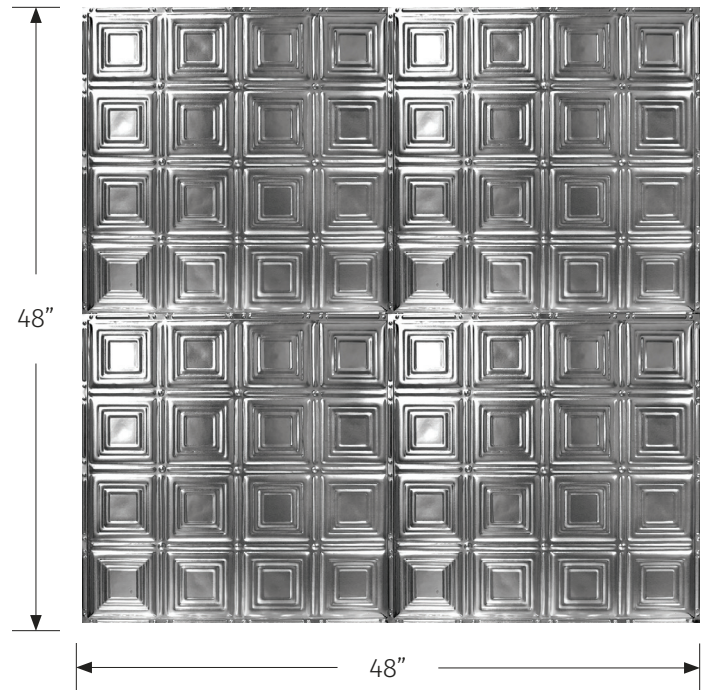
SUBMITTED TO: _____	COMPANY: _____	DATE: _____	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> NOT ACCEPTED <input type="checkbox"/> MODIFIED <input type="checkbox"/> RESUBMIT  _____ (Signature / Title)
SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		



*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #20:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

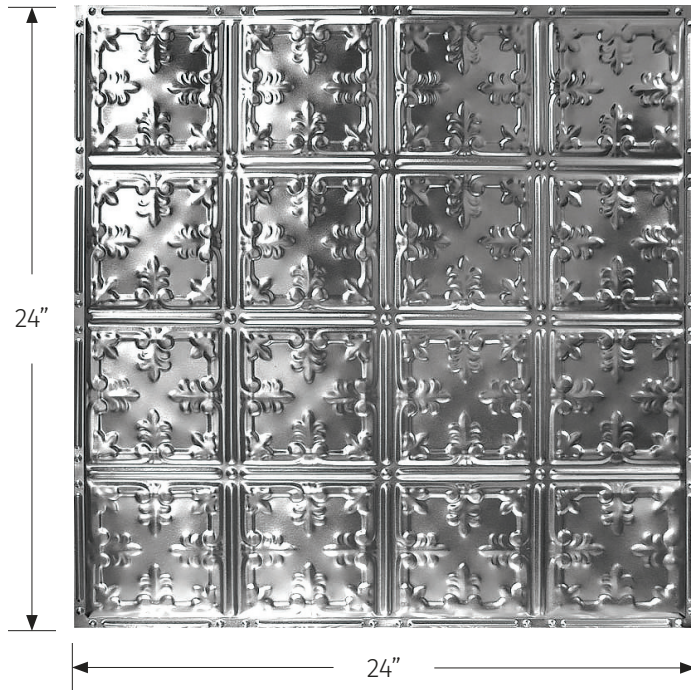
**Installation Type:** ☐ Nail-Up ☐ Drop-In ☐ Backsplash ☐ Snap Lock™ ☐ Acoustic Nail-Up ☐ Acoustic Drop-In

## ACCESSORIES:

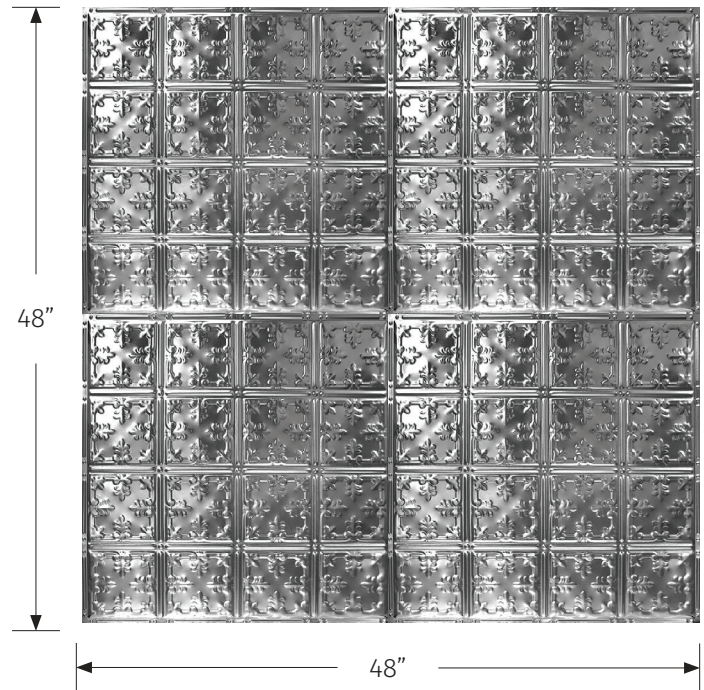
**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Inside "L" Molding ☐ Edge "J" Molding  
☐ Matching Switch Plates ☐ 2" Acoustical Pad (for Acoustic Tiles only)

SUBMITTED TO: _____	COMPANY: _____	DATE: _____	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> NOT ACCEPTED <input type="checkbox"/> MODIFIED <input type="checkbox"/> RESUBMIT  _____ (Signature / Title)
SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		

*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #21:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

**Installation Type:** ☐ Nail-Up ☐ Drop-In ☐ Backsplash ☐ Snap Lock™ ☐ Acoustic Nail-Up ☐ Acoustic Drop-In

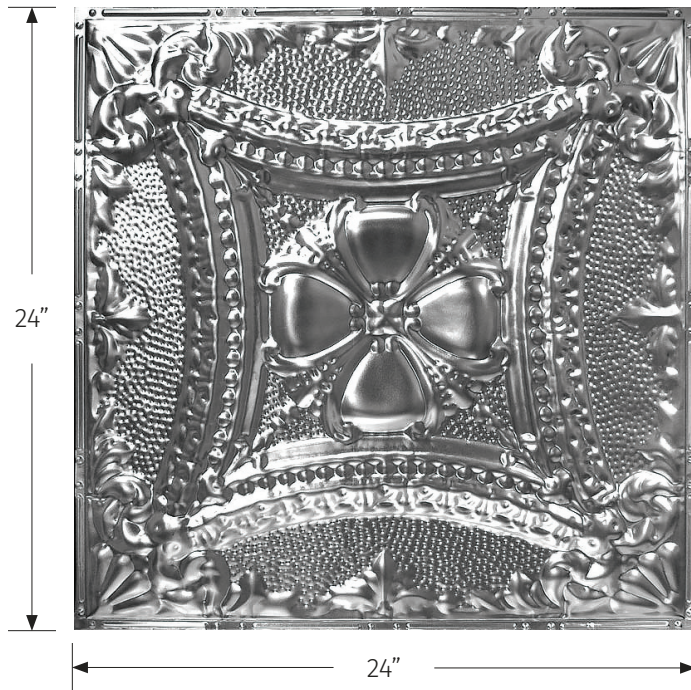
## ACCESSORIES:

**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Inside "L" Molding ☐ Edge "J" Molding  
☐ Matching Switch Plates ☐ 2" Acoustical Pad (for Acoustic Tiles only)

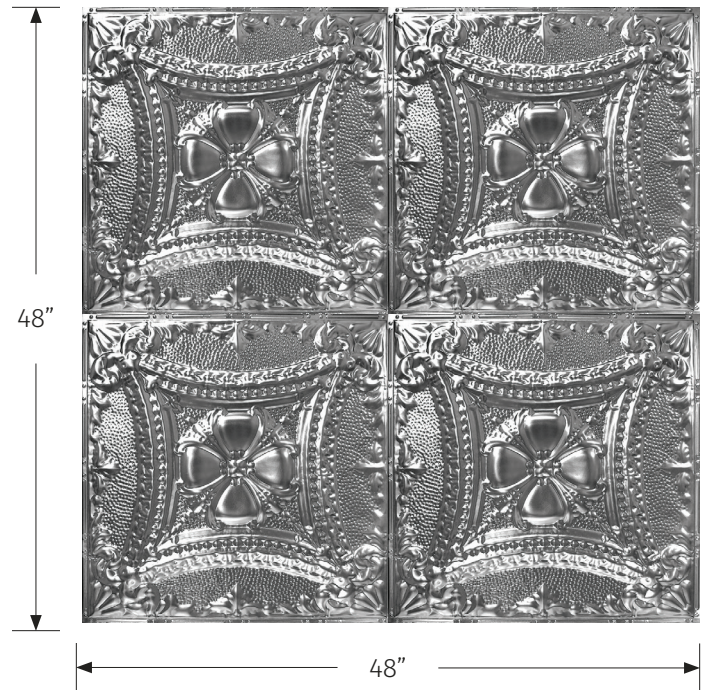
SUBMITTED TO: _____	COMPANY: _____	DATE: _____	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> NOT ACCEPTED <input type="checkbox"/> MODIFIED <input type="checkbox"/> RESUBMIT  _____ (Signature / Title)
SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		



*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #22:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

**Installation Type:** ☐ Nail-Up ☐ Drop-In ☐ Snap Lock™

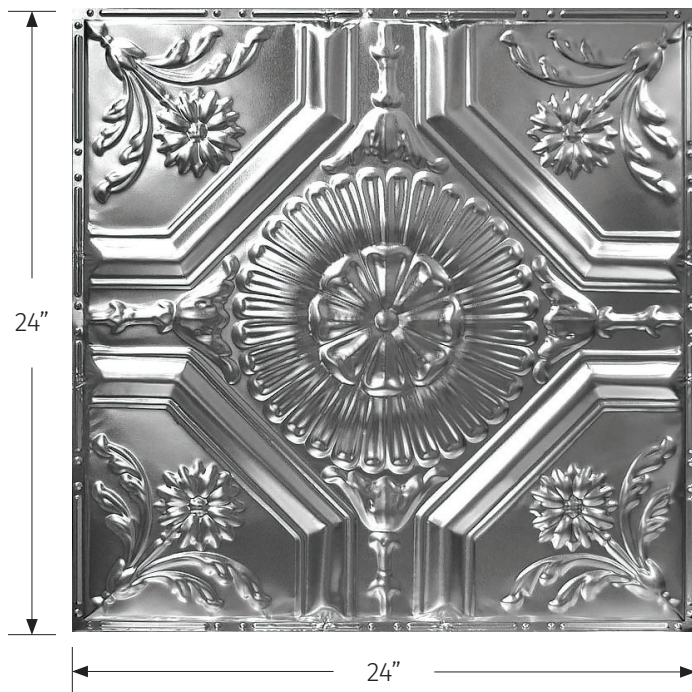
## ACCESSORIES:

**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Matching Switch Plates

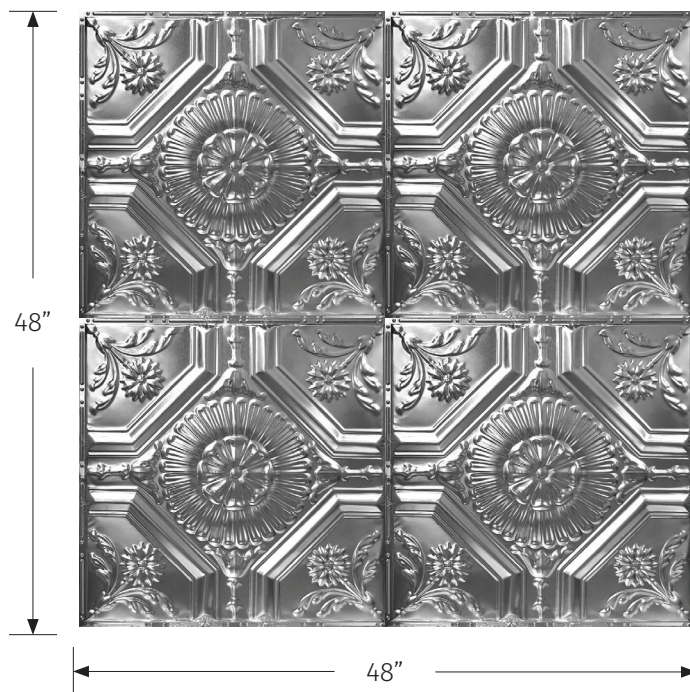
SUBMITTED TO: _____	COMPANY: _____	DATE: _____	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> NOT ACCEPTED <input type="checkbox"/> MODIFIED <input type="checkbox"/> RESUBMIT  <div style="border: 1px solid black; height: 40px; margin-top: 10px;"></div> <p style="text-align: center; margin-top: 5px;">(Signature / Title)</p>
SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		



*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #23:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

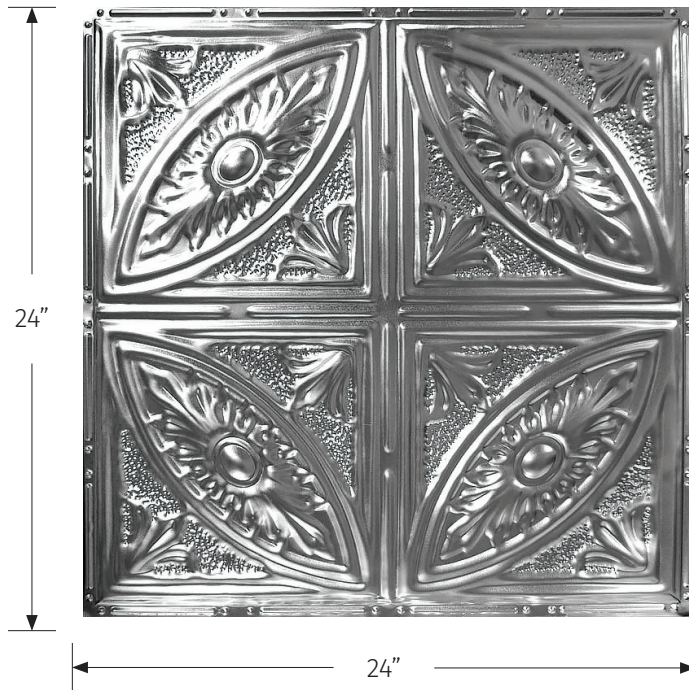
**Installation Type:** ☐ Nail-Up ☐ Drop-In ☐ Snap Lock™ ☐ Acoustic Nail-Up ☐ Acoustic Drop-In

## ACCESSORIES:

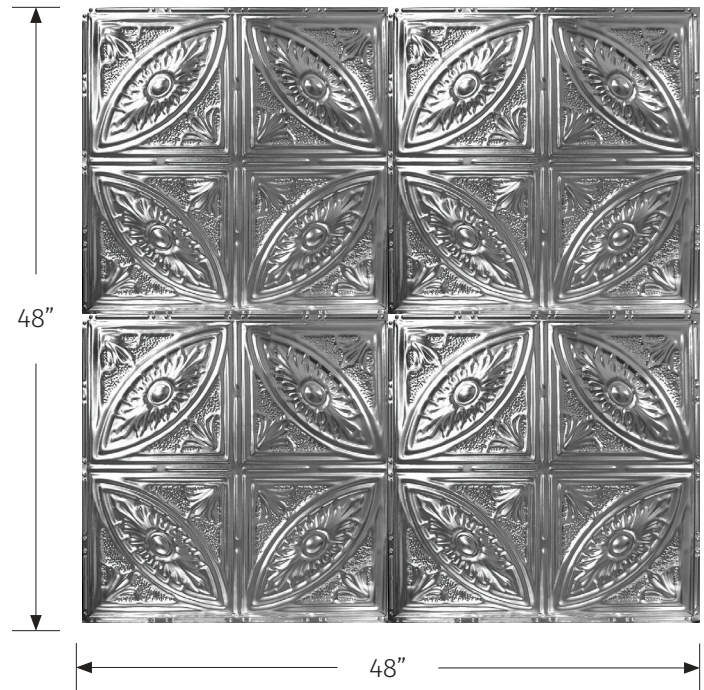
**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Matching Switch Plates  
☐ 2" Acoustical Pad (for Acoustic Tiles only)

SUBMITTED TO: _____	COMPANY: _____	DATE: _____	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> NOT ACCEPTED <input type="checkbox"/> MODIFIED <input type="checkbox"/> RESUBMIT  _____ (Signature / Title)
SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		

*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #24:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

**Installation Type:** ☐ Nail-Up ☐ Drop-In ☐ Snap Lock™ ☐ Acoustic Nail-Up ☐ Acoustic Drop-In

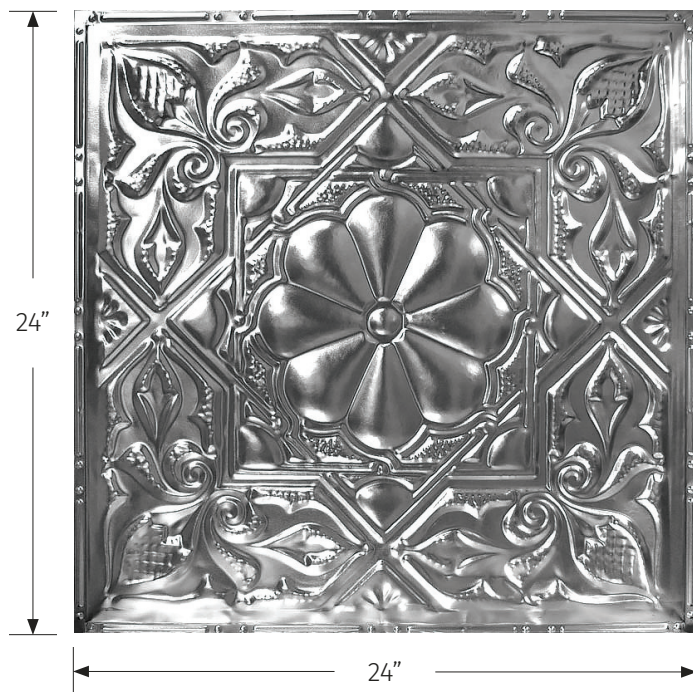
## ACCESSORIES:

**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Matching Switch Plates  
☐ 2" Acoustical Pad (for Acoustic Tiles only)

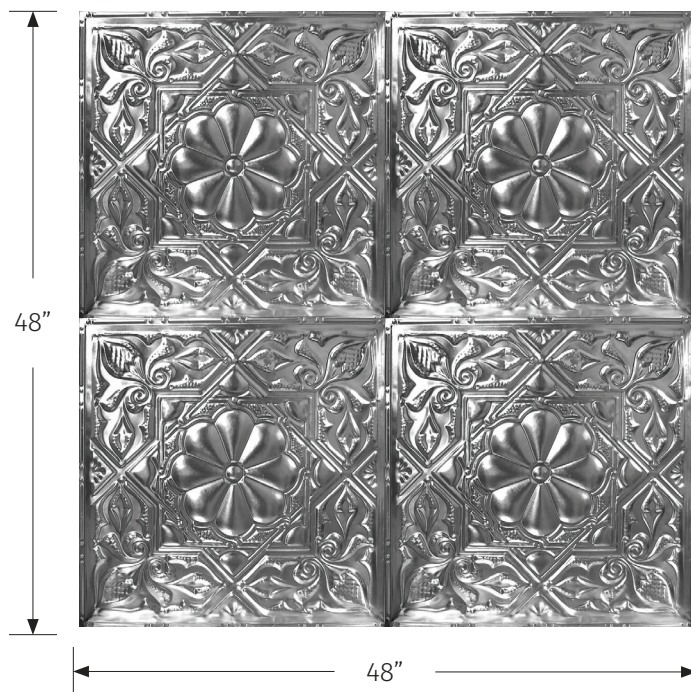
SUBMITTED TO: _____	COMPANY: _____	DATE: _____	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> NOT ACCEPTED <input type="checkbox"/> MODIFIED <input type="checkbox"/> RESUBMIT  _____ (Signature / Title)
SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		



*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #25:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

**Installation Type:** ☐ Nail-Up ☐ Drop-In ☐ Snap Lock™ ☐ Acoustic Nail-Up ☐ Acoustic Drop-In

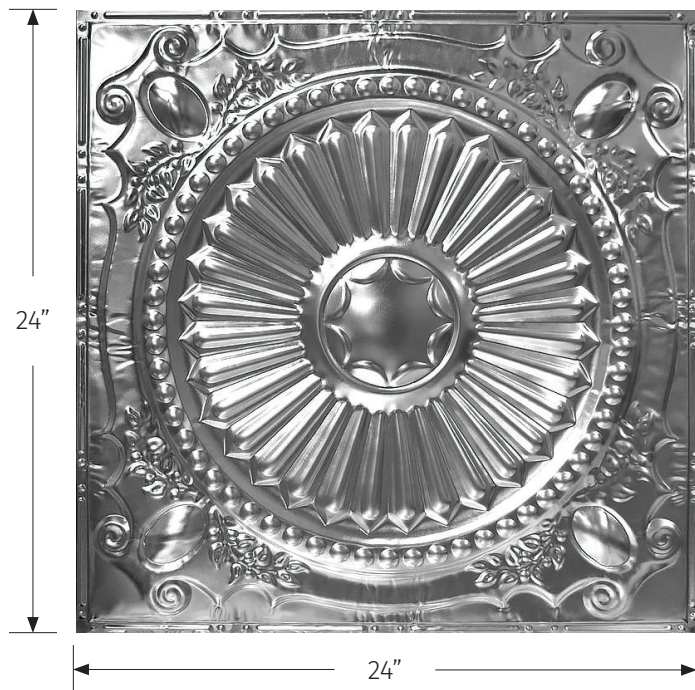
## ACCESSORIES:

**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Matching Switch Plates  
☐ 2" Acoustical Pad (for Acoustic Tiles only)

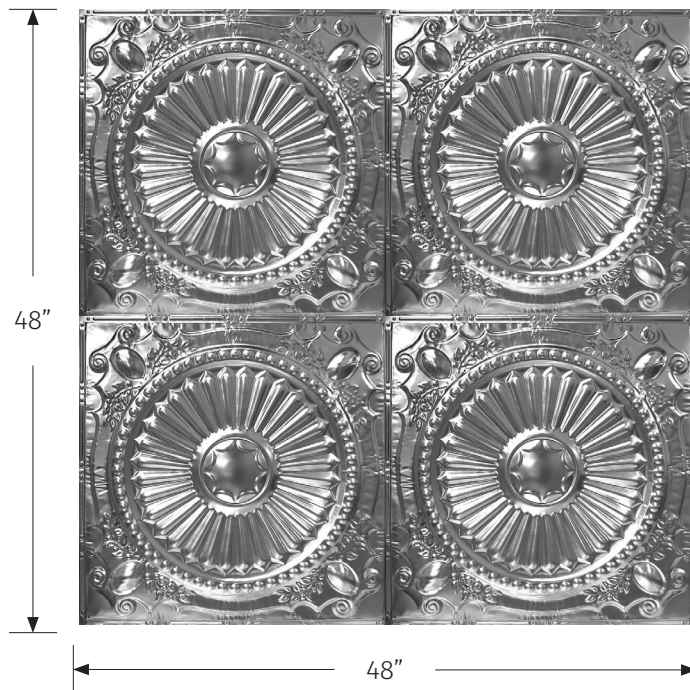
SUBMITTED TO: _____	COMPANY: _____	DATE: _____	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> NOT ACCEPTED <input type="checkbox"/> MODIFIED <input type="checkbox"/> RESUBMIT  _____ (Signature / Title)
SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		



*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #26:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

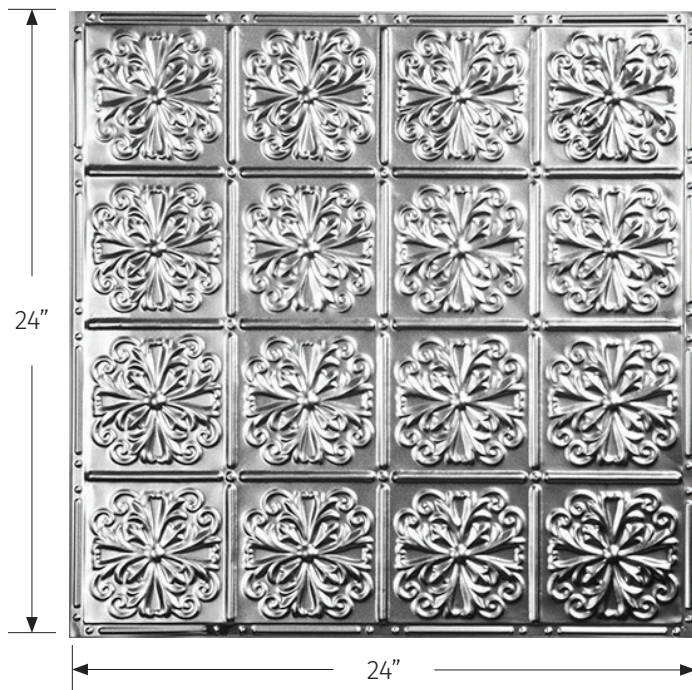
**Installation Type:** ☐ Nail-Up ☐ Drop-In ☐ Snap Lock™

## ACCESSORIES:

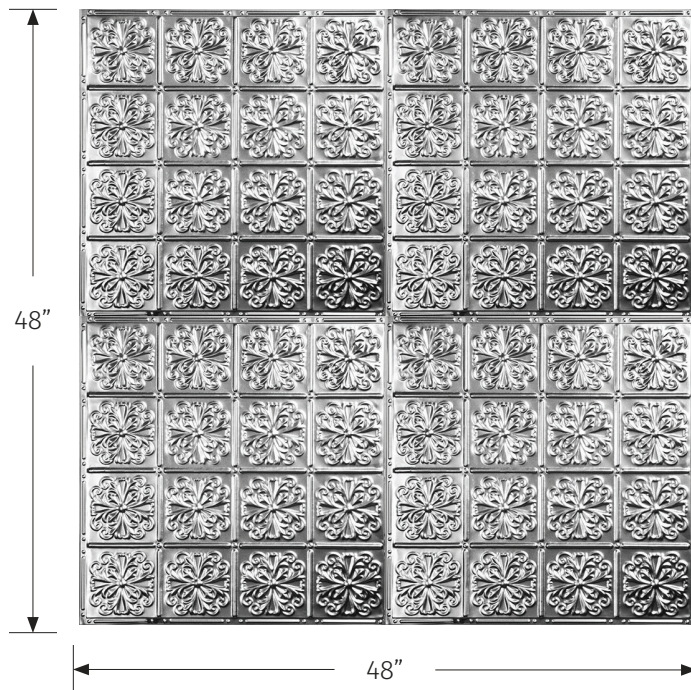
**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Matching Switch Plates

SUBMITTED TO: _____	COMPANY: _____	DATE: _____	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> NOT ACCEPTED <input type="checkbox"/> MODIFIED <input type="checkbox"/> RESUBMIT  <div style="border: 1px solid black; height: 40px; margin-top: 10px;"></div> <p style="text-align: center; margin-top: 5px;">(Signature / Title)</p>
SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		

*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #27:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

**Installation Type:** ☐ Nail-Up ☐ Drop-In ☐ Backsplash ☐ Snap Lock™ ☐ Acoustic Nail-Up ☐ Acoustic Drop-In

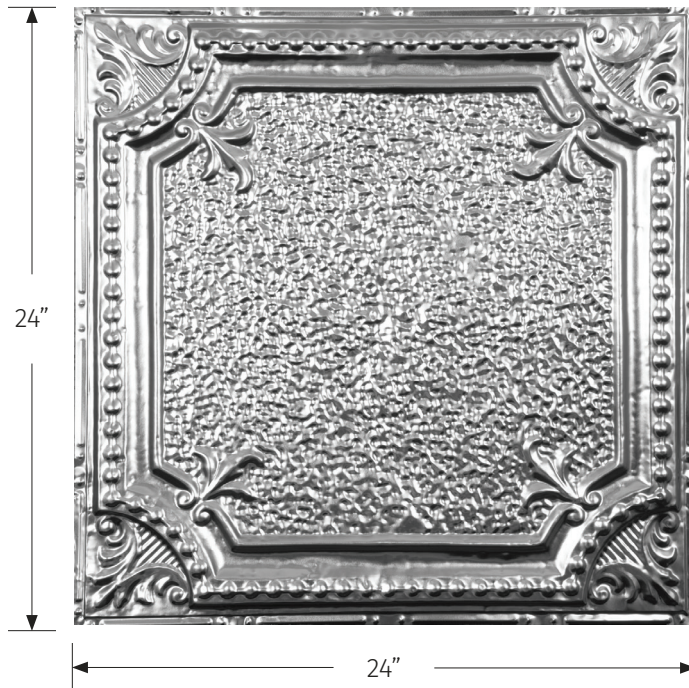
## ACCESSORIES:

**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Inside "L" Molding ☐ Edge "J" Molding  
☐ Matching Switch Plates ☐ 2" Acoustical Pad (for Acoustic Tiles only)

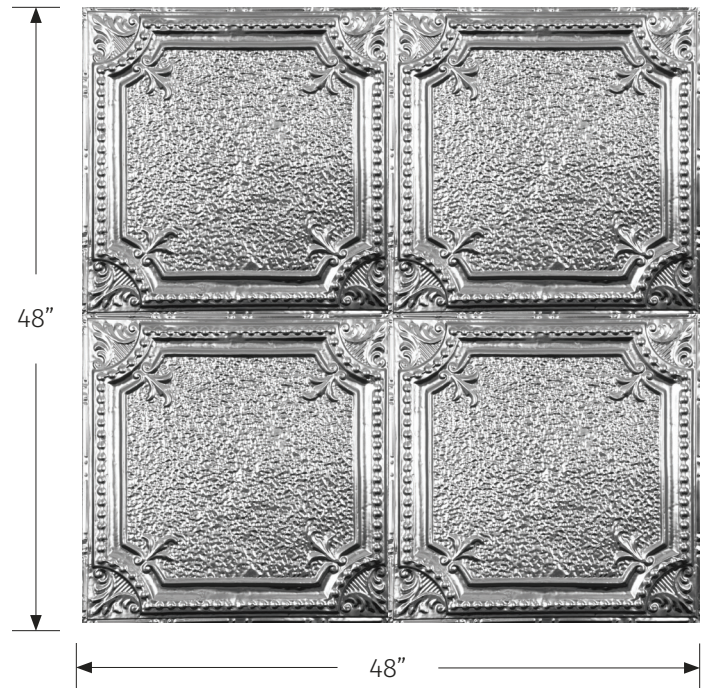
SUBMITTED TO: _____	COMPANY: _____	DATE: _____	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> NOT ACCEPTED <input type="checkbox"/> MODIFIED <input type="checkbox"/> RESUBMIT  <div style="text-align: right;">(Signature / Title)</div>
SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		



*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #28:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

**Installation Type:** ☐ Nail-Up ☐ Drop-In ☐ Snap Lock™

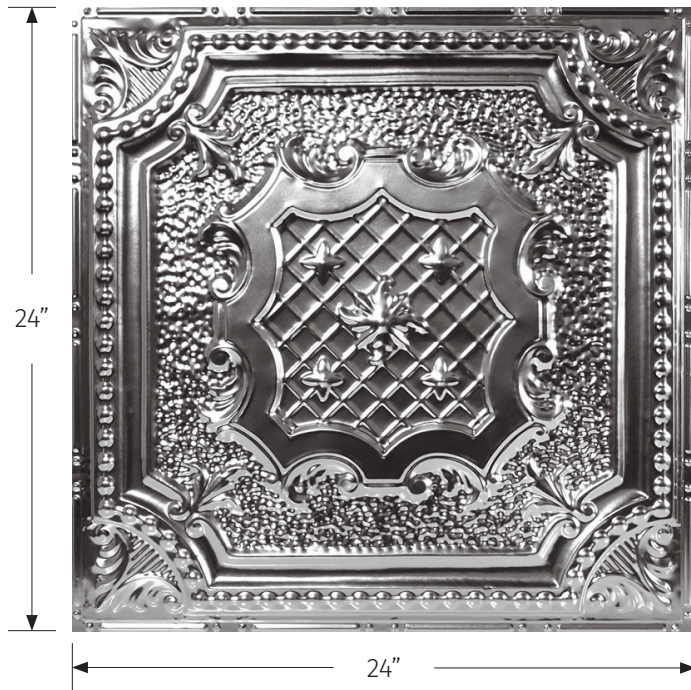
## ACCESSORIES:

**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Matching Switch Plates

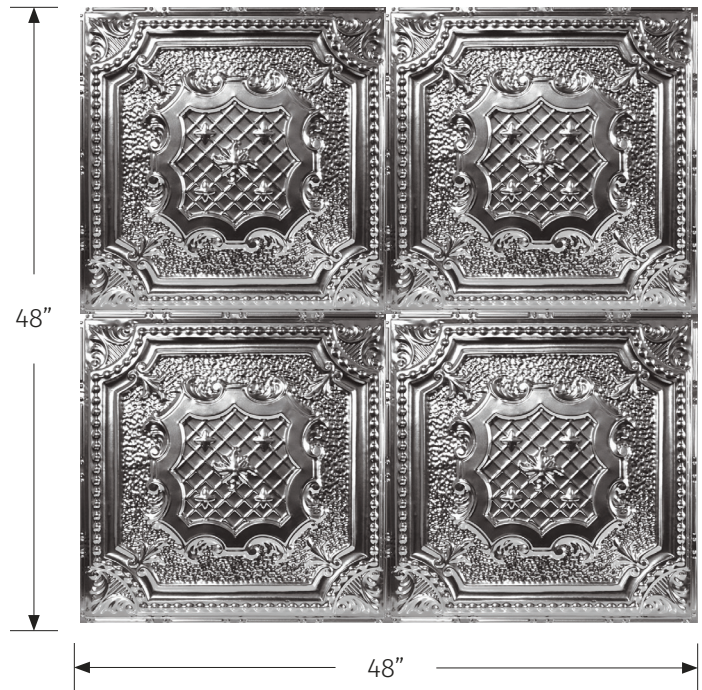
SUBMITTED TO: _____	COMPANY: _____	DATE: _____	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> NOT ACCEPTED <input type="checkbox"/> MODIFIED <input type="checkbox"/> RESUBMIT  _____ (Signature / Title)
SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		



*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #29:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

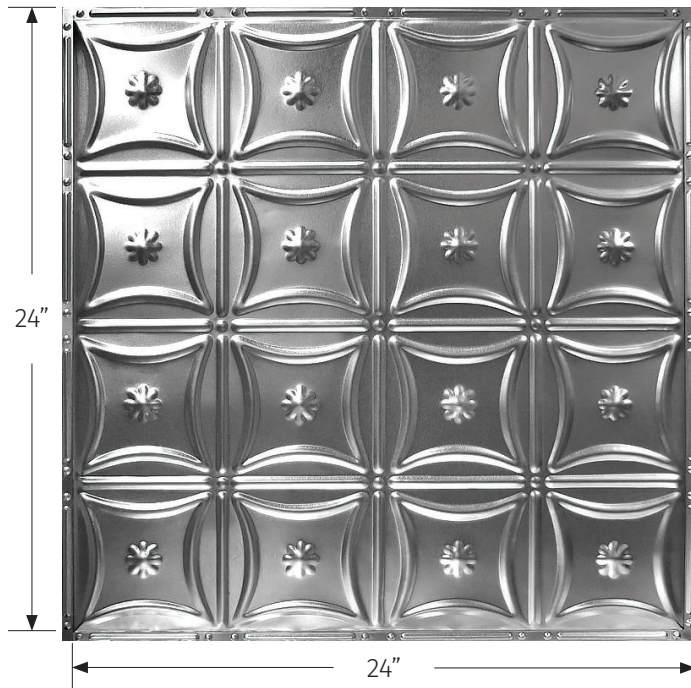
**Installation Type:** ☐ Nail-Up ☐ Drop-In ☐ Snap Lock™ ☐ Acoustic Nail-Up ☐ Acoustic Drop-In

## ACCESSORIES:

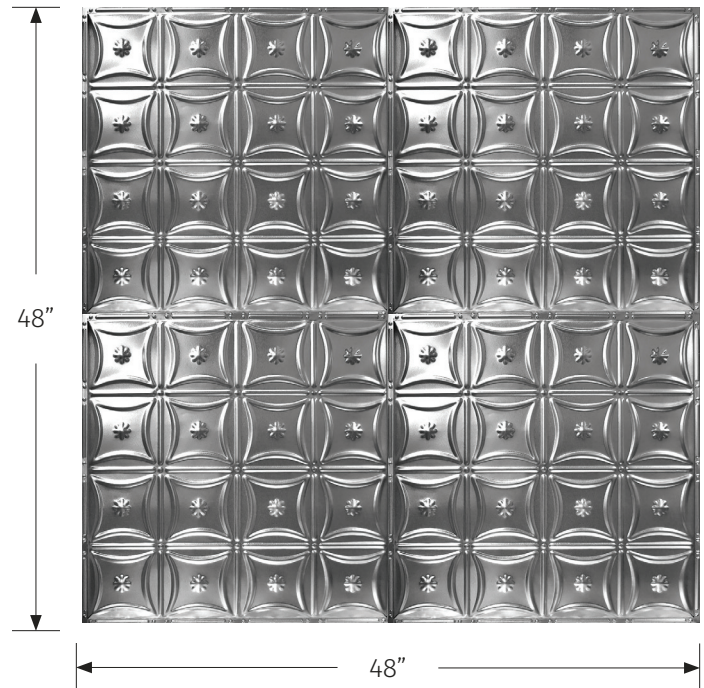
**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Matching Switch Plates  
☐ 2" Acoustical Pad (for Acoustic Tiles only)

SUBMITTED TO: _____	COMPANY: _____	DATE: _____	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> NOT ACCEPTED <input type="checkbox"/> MODIFIED <input type="checkbox"/> RESUBMIT  _____ (Signature / Title)
SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		

*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #30:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

**Installation Type:** ☐ Nail-Up ☐ Drop-In ☐ Backsplash ☐ Snap Lock™ ☐ Acoustic Nail-Up ☐ Acoustic Drop-In

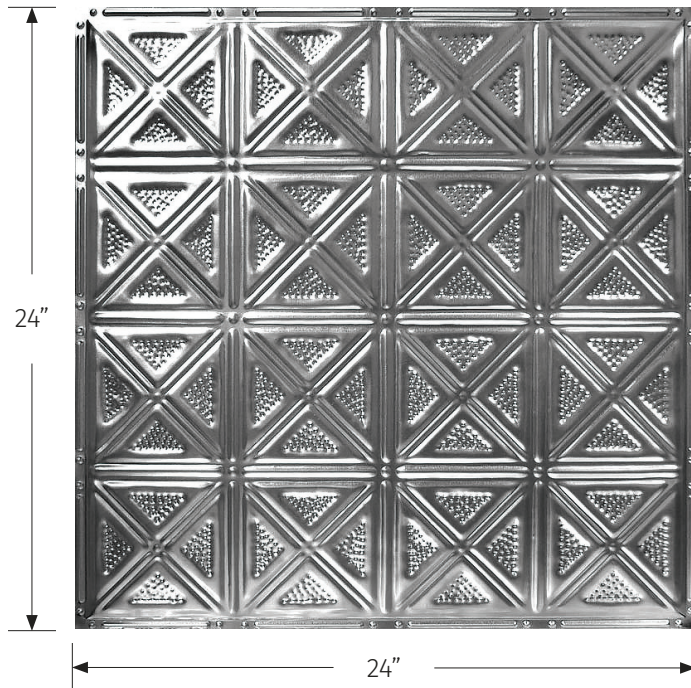
## ACCESSORIES:

**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Inside "L" Molding ☐ Edge "J" Molding  
☐ Matching Switch Plates ☐ 2" Acoustical Pad (for Acoustic Tiles only)

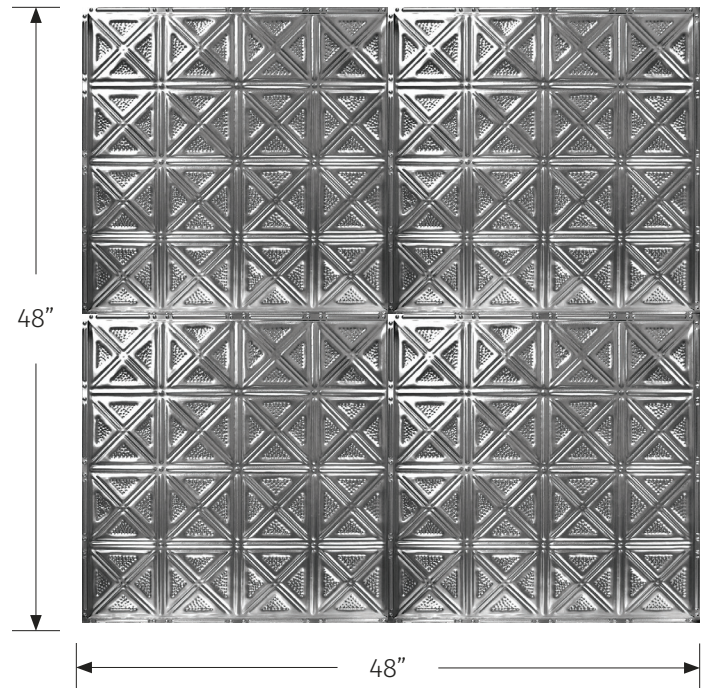
SUBMITTED TO: _____	COMPANY: _____	DATE: _____	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> NOT ACCEPTED <input type="checkbox"/> MODIFIED <input type="checkbox"/> RESUBMIT  _____ (Signature / Title)
SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		



*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #31:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

**Installation Type:** ☐ Nail-Up ☐ Drop-In ☐ Backsplash ☐ Snap Lock™ ☐ Acoustic Nail-Up ☐ Acoustic Drop-In

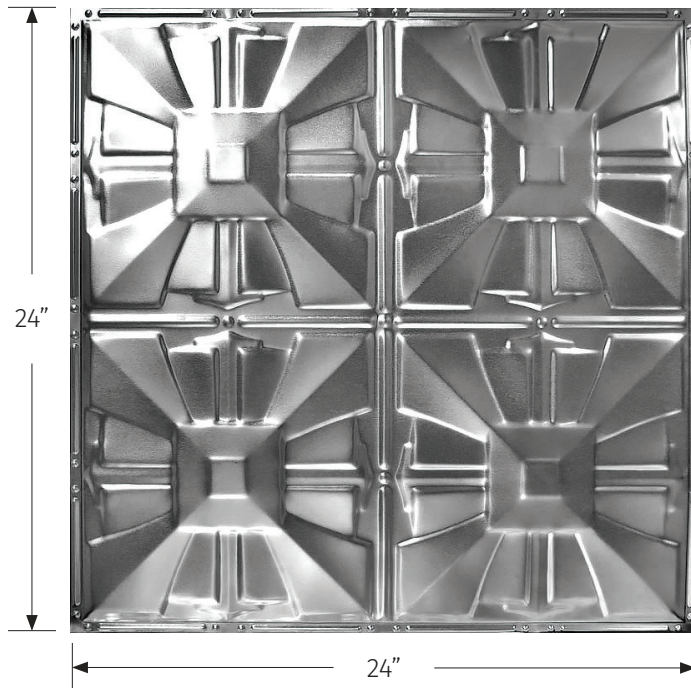
## ACCESSORIES:

**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Inside "L" Molding ☐ Edge "J" Molding  
☐ Matching Switch Plates ☐ 2" Acoustical Pad (for Acoustic Tiles only)

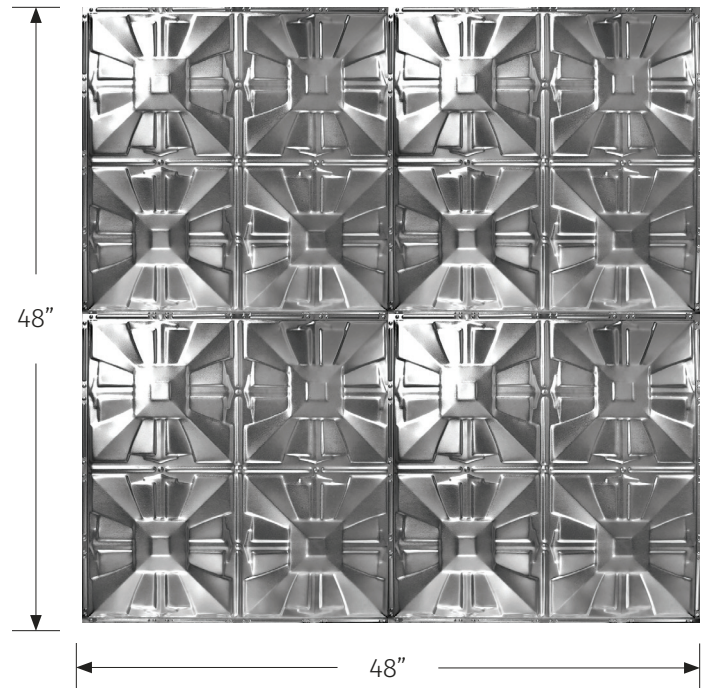
SUBMITTED TO: _____	COMPANY: _____	DATE: _____	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> NOT ACCEPTED <input type="checkbox"/> MODIFIED <input type="checkbox"/> RESUBMIT  _____ (Signature / Title)
SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		



*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #32:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

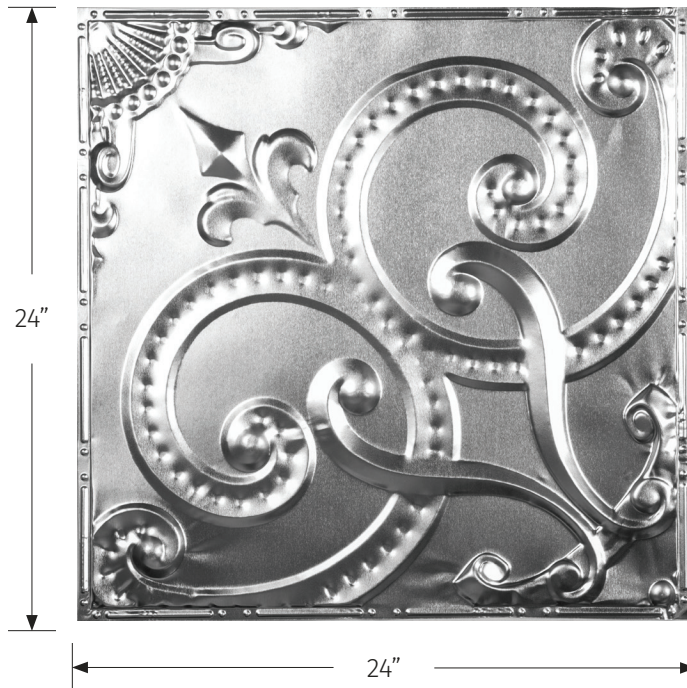
**Installation Type:** ☐ Nail-Up ☐ Drop-In ☐ Snap Lock™ ☐ Acoustic Nail-Up ☐ Acoustic Drop-In

## ACCESSORIES:

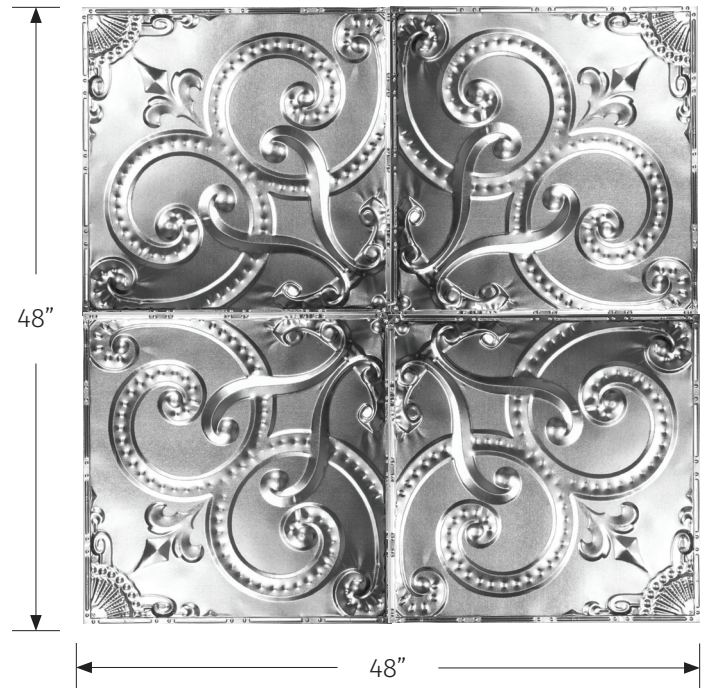
**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Matching Switch Plates  
☐ 2" Acoustical Pad (for Acoustic Tiles only)

SUBMITTED TO: _____	COMPANY: _____	DATE: _____	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> NOT ACCEPTED <input type="checkbox"/> MODIFIED <input type="checkbox"/> RESUBMIT  <div style="border: 1px solid black; height: 40px; margin-top: 10px;"></div> <p style="text-align: center; margin-top: 5px;">(Signature / Title)</p>
SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		

*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #33:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

**Installation Type:** ☐ Nail-Up ☐ Drop-In

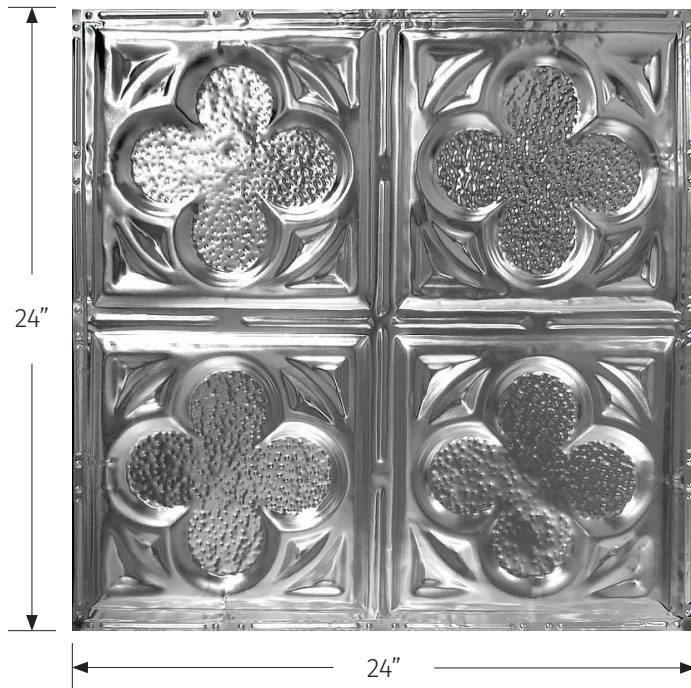
## ACCESSORIES:

**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Matching Switch Plates

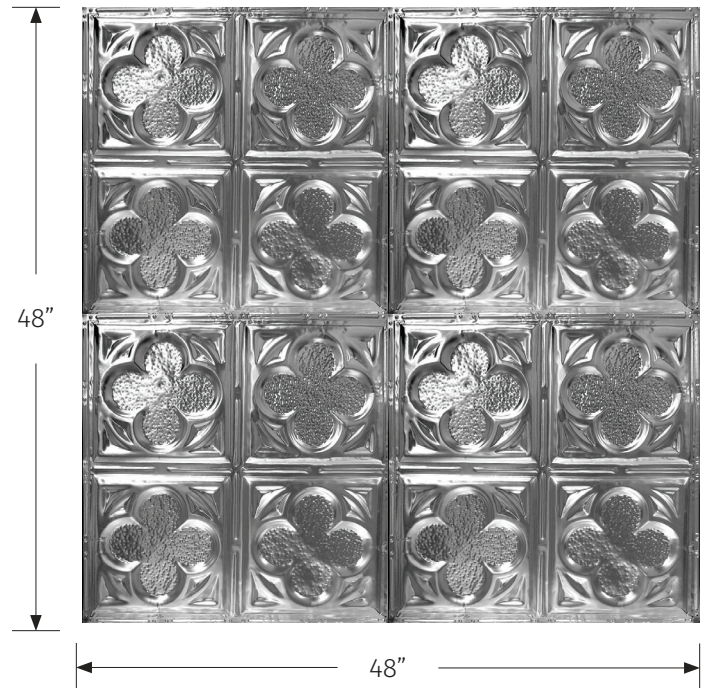
SUBMITTED TO: _____	COMPANY: _____	DATE: _____	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> NOT ACCEPTED <input type="checkbox"/> MODIFIED <input type="checkbox"/> RESUBMIT  _____ (Signature / Title)
SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		



*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #34:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

**Installation Type:** ☐ Drop-In

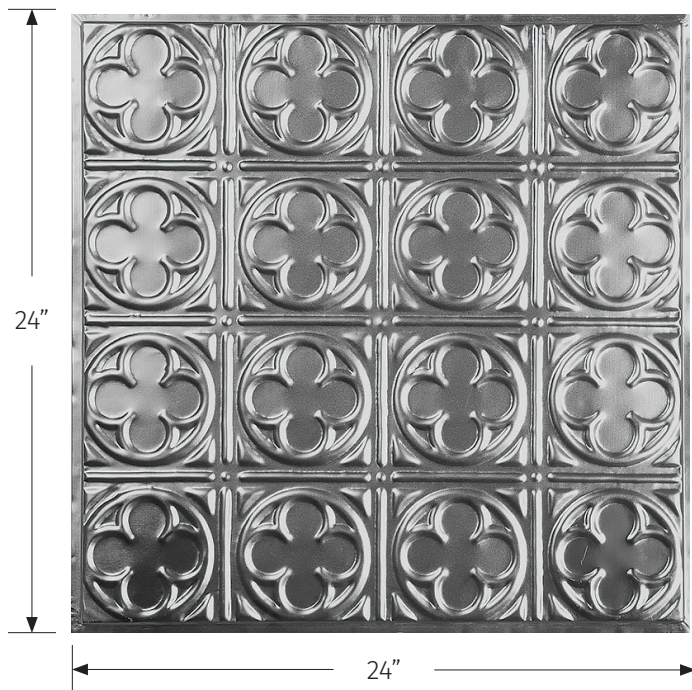
## ACCESSORIES:

**Accessories:** ☐ Crown Molding ☐ Flat Molding

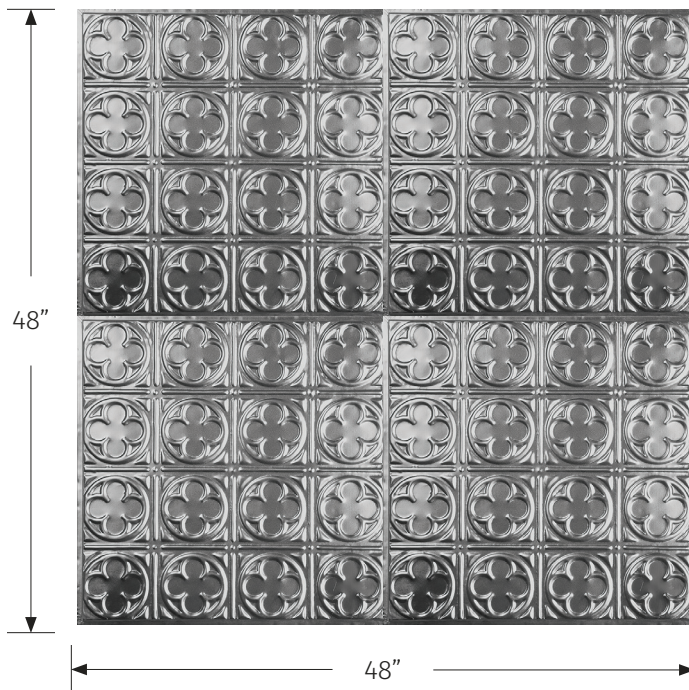
SUBMITTED TO: _____	COMPANY: _____	DATE: _____	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> NOT ACCEPTED <input type="checkbox"/> MODIFIED <input type="checkbox"/> RESUBMIT  <div style="border: 1px solid black; height: 40px; margin-top: 10px;"></div> <p style="text-align: center; margin-top: 5px;">(Signature / Title)</p>
SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		



*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #35:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

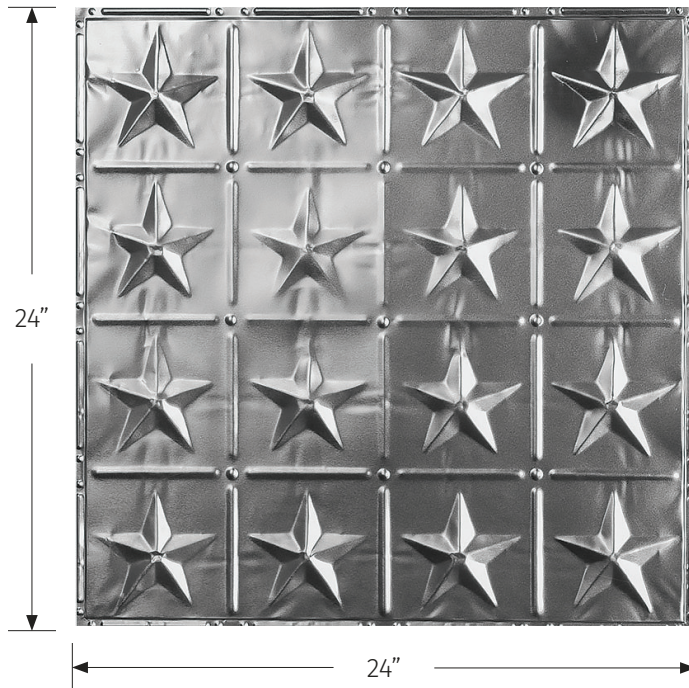
**Installation Type:** ☐ Nail-Up ☐ Drop-In ☐ Backsplash ☐ Snap Lock™ ☐ Acoustic Nail-Up ☐ Acoustic Drop-In

## ACCESSORIES:

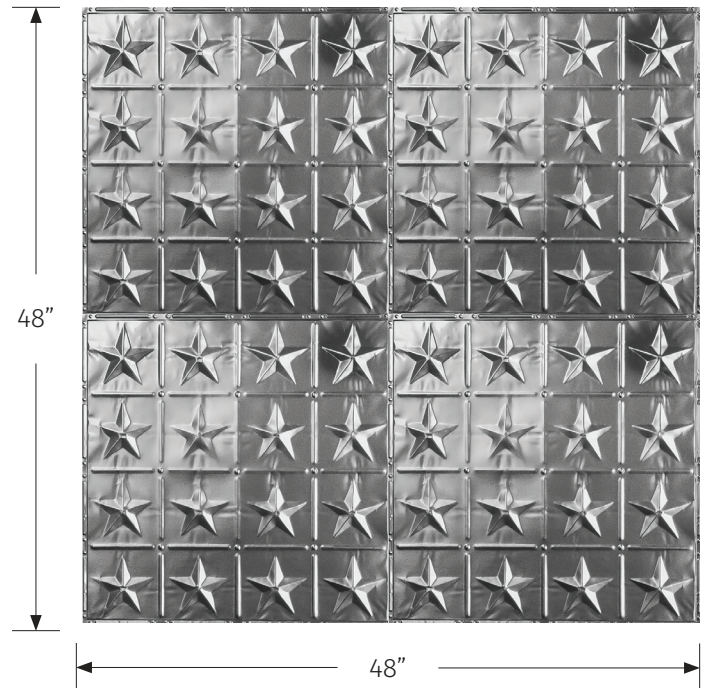
**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Inside "L" Molding ☐ Edge "J" Molding  
☐ Matching Switch Plates ☐ 2" Acoustical Pad (for Acoustic Tiles only)

SUBMITTED TO: _____	COMPANY: _____	DATE: _____	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> NOT ACCEPTED <input type="checkbox"/> MODIFIED <input type="checkbox"/> RESUBMIT  _____ (Signature / Title)
SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		

*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #36:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

**Installation Type:** ☐ Nail-Up ☐ Drop-In ☐ Backsplash ☐ Snap Lock™ ☐ Acoustic Nail-Up ☐ Acoustic Drop-In

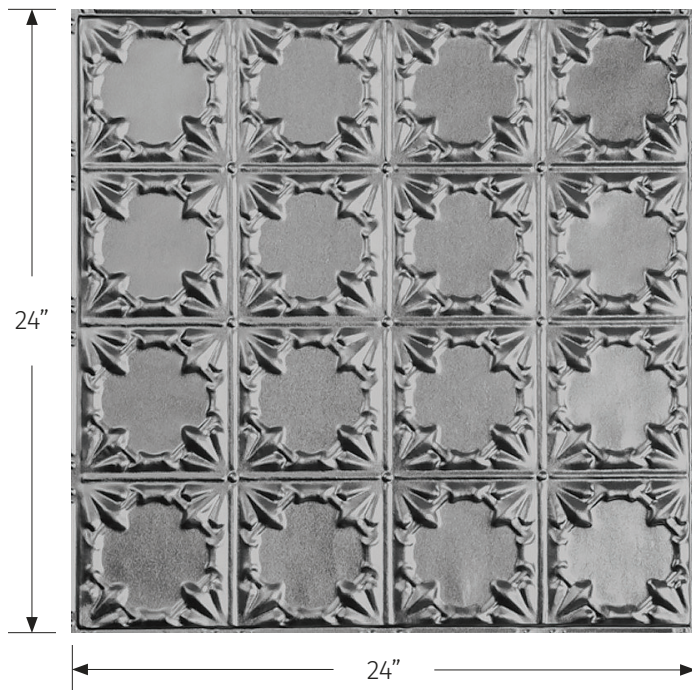
## ACCESSORIES:

**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Inside "L" Molding ☐ Edge "J" Molding  
☐ Matching Switch Plates ☐ 2" Acoustical Pad (for Acoustic Tiles only)

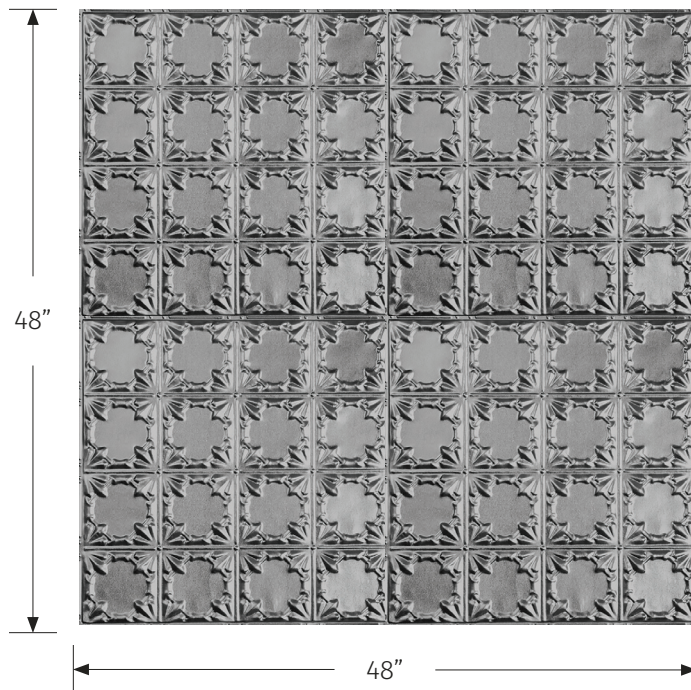
SUBMITTED TO: _____	COMPANY: _____	DATE: _____	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> NOT ACCEPTED <input type="checkbox"/> MODIFIED <input type="checkbox"/> RESUBMIT  <div style="border: 1px solid black; height: 40px; margin-top: 10px;"></div> <p style="text-align: center; margin-top: 5px;">(Signature / Title)</p>
SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		



*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #37:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

**Installation Type:** ☐ Nail-Up ☐ Drop-In ☐ Backsplash ☐ Snap Lock™ ☐ Acoustic Nail-Up ☐ Acoustic Drop-In

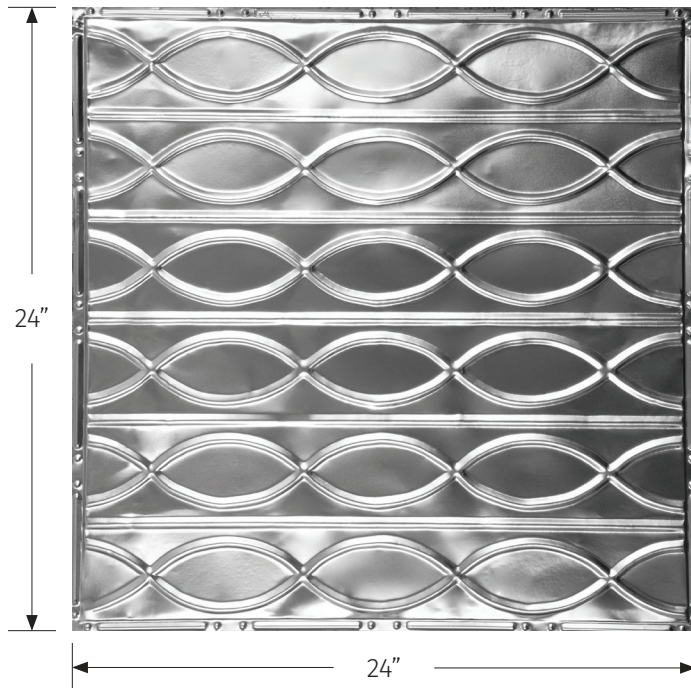
## ACCESSORIES:

**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Inside "L" Molding ☐ Edge "J" Molding  
☐ Matching Switch Plates ☐ 2" Acoustical Pad (for Acoustic Tiles only)

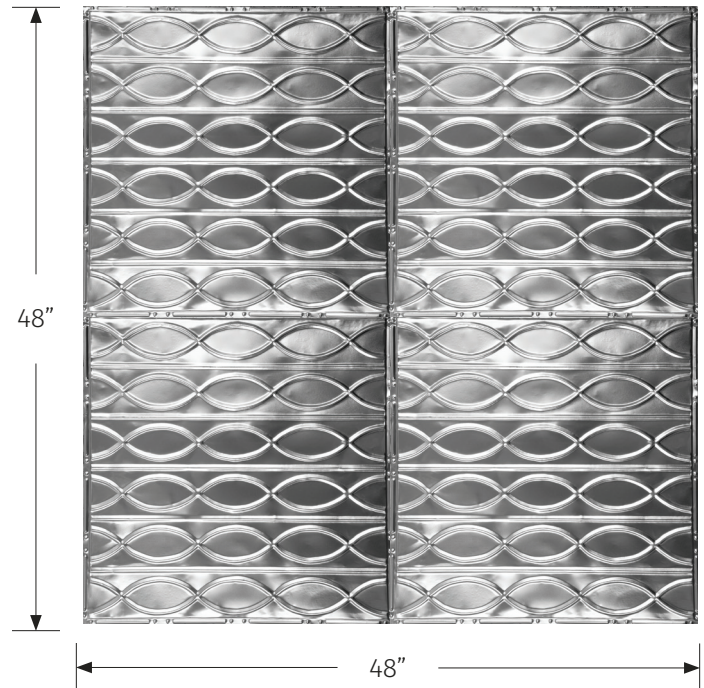
SUBMITTED TO: _____	COMPANY: _____	DATE: _____	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> NOT ACCEPTED <input type="checkbox"/> MODIFIED <input type="checkbox"/> RESUBMIT  _____ (Signature / Title)
SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		



*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #38:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

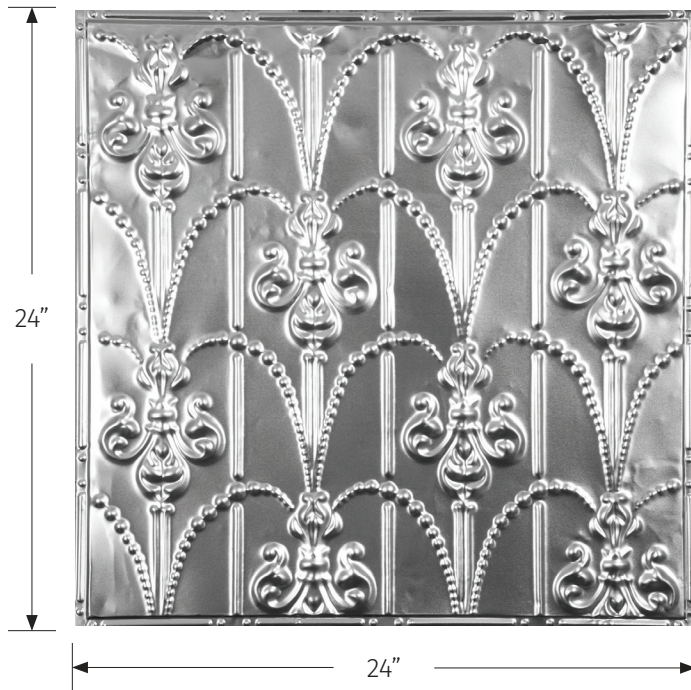
**Installation Type:** ☐ Nail-Up ☐ Drop-In ☐ Acoustic Nail-Up ☐ Acoustic Drop-In

## ACCESSORIES:

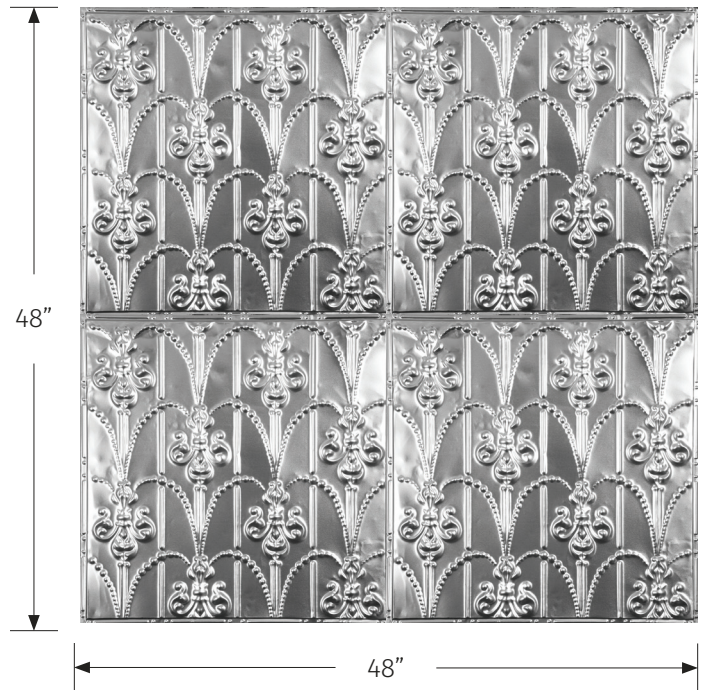
**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Matching Switch Plates  
☐ 2" Acoustical Pad (for Acoustic Tiles only)

SUBMITTED TO: _____	COMPANY: _____	DATE: _____	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> NOT ACCEPTED <input type="checkbox"/> MODIFIED <input type="checkbox"/> RESUBMIT  _____ (Signature / Title)
SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		

*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #39:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

**Installation Type:** ☐ Nail-Up ☐ Drop-In ☐ Backsplash

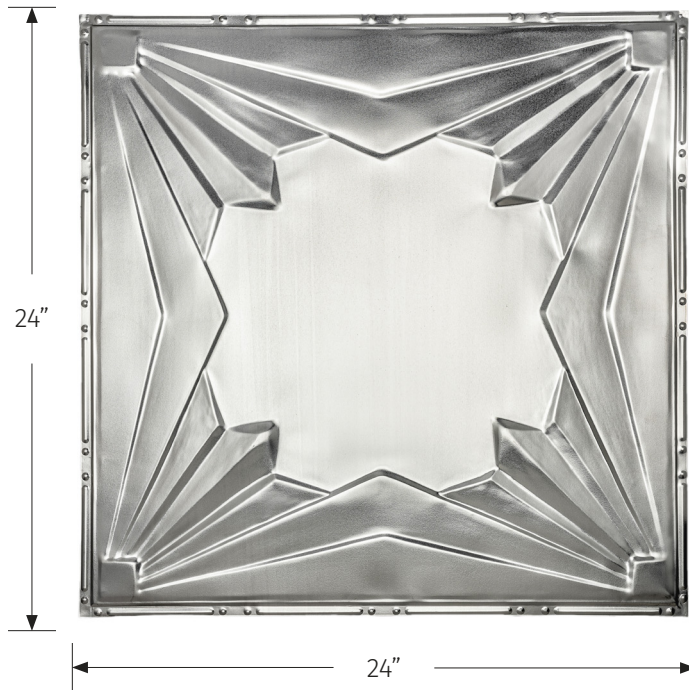
## ACCESSORIES:

**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Inside "L" Molding ☐ Edge "J" Molding  
☐ Matching Switch Plates

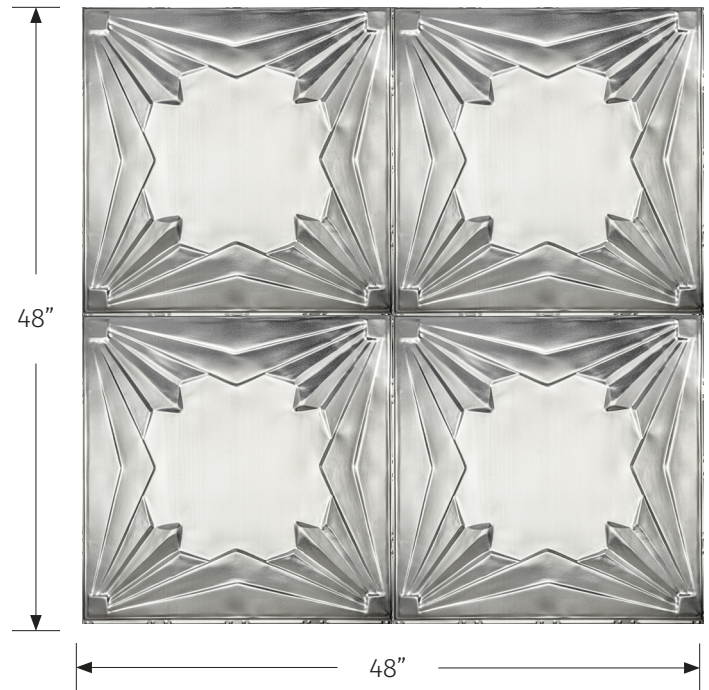
SUBMITTED TO: _____	COMPANY: _____	DATE: _____	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> NOT ACCEPTED <input type="checkbox"/> MODIFIED <input type="checkbox"/> RESUBMIT  <div style="text-align: center;">(Signature / Title)</div>
SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		



*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## PATTERN #41:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

**Installation Type:** ☐ Nail-Up ☐ Drop-In ☐ Acoustic Nail-Up ☐ Acoustic Drop-In

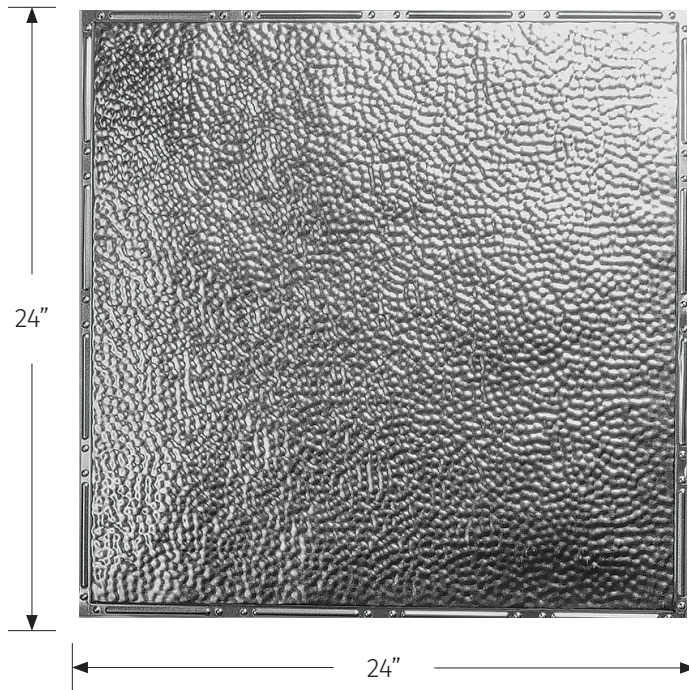
## ACCESSORIES:

**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Matching Switch Plates  
☐ 2" Acoustical Pad (for Acoustic Tiles only)

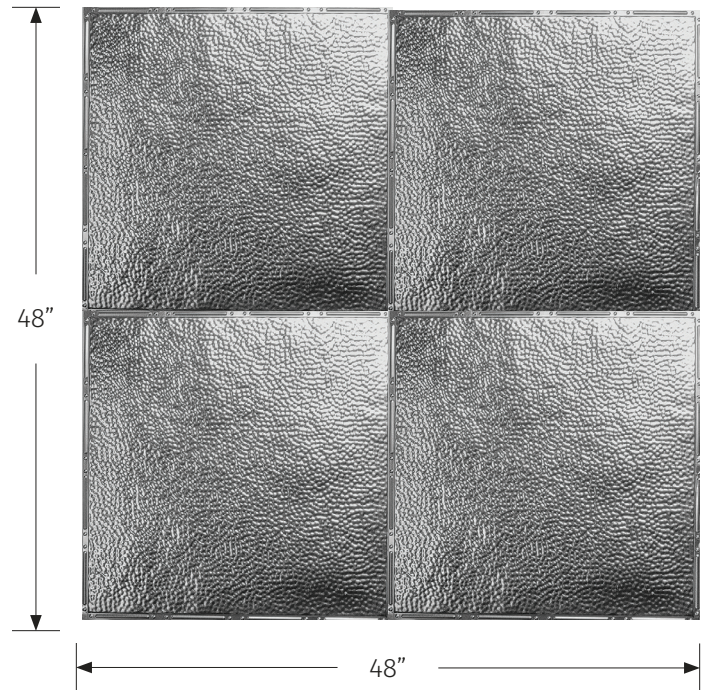
SUBMITTED TO: _____	COMPANY: _____	DATE: _____	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> NOT ACCEPTED <input type="checkbox"/> MODIFIED <input type="checkbox"/> RESUBMIT  <div style="border: 1px solid black; height: 40px; margin-top: 10px;"></div> <p style="text-align: center; margin-top: 5px;">(Signature / Title)</p>
SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		



*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## FILLER PATTERN #1:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

**Installation Type:** ☐ Nail-Up ☐ Drop-In ☐ Backsplash ☐ Acoustic Nail-Up ☐ Acoustic Drop-In

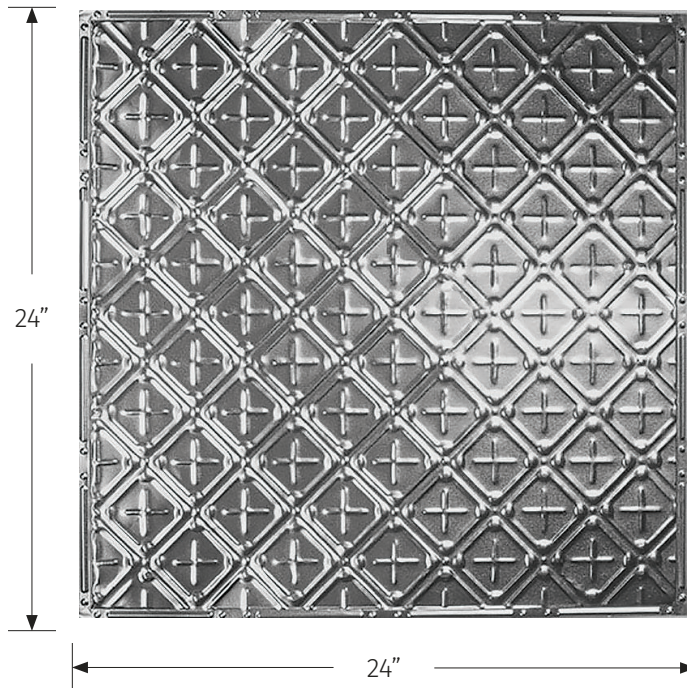
## ACCESSORIES:

**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Inside "L" Molding ☐ Edge "J" Molding  
☐ Matching Switch Plates ☐ 2" Acoustical Pad (for Acoustic Tiles only)

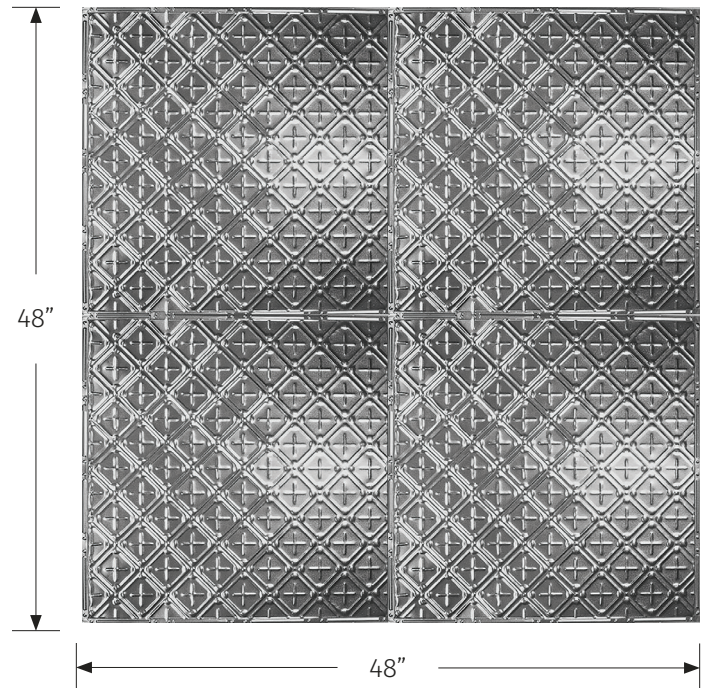
SUBMITTED TO: _____	COMPANY: _____	DATE: _____	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> NOT ACCEPTED <input type="checkbox"/> MODIFIED <input type="checkbox"/> RESUBMIT  _____ (Signature / Title)
SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		



*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## FILLER PATTERN #2:

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

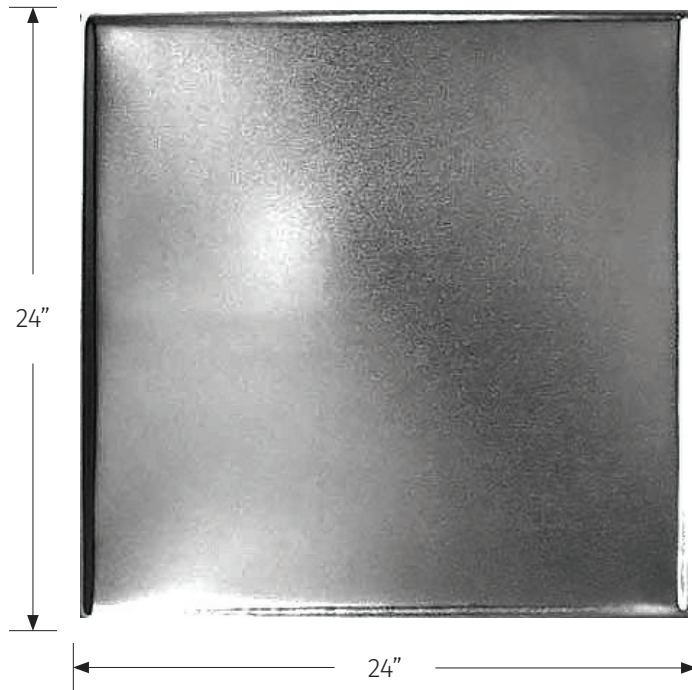
**Installation Type:** ☐ Nail-Up ☐ Drop-In ☐ Backsplash ☐ Acoustic Nail-Up ☐ Acoustic Drop-In

## ACCESSORIES:

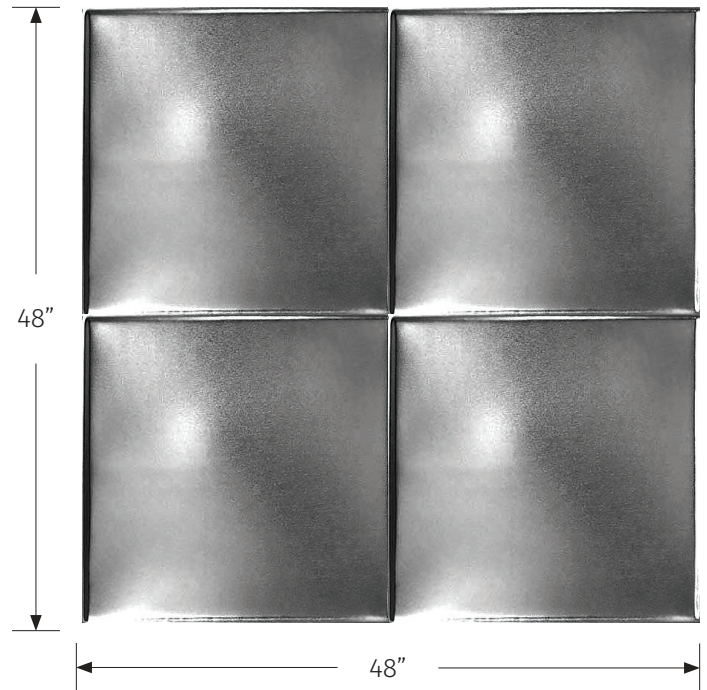
**Accessories:** ☐ Crown Molding ☐ Flat Molding ☐ Inside "L" Molding ☐ Edge "J" Molding  
☐ Matching Switch Plates ☐ 2" Acoustical Pad (for Acoustic Tiles only)

SUBMITTED TO: _____	COMPANY: _____	DATE: _____	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> NOT ACCEPTED <input type="checkbox"/> MODIFIED <input type="checkbox"/> RESUBMIT  _____ (Signature / Title)
SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		

*Single Panel View (shown Nail-Up edge)*



*Multiple Panel View*



## BLANK PATTERN

- Size: 2' x 2'
- Weight: 2 lbs.
- Material: T1 grade tin-plated steel
- Finishes: Raw, Powder-Coat, or Powder-Coat & Hand Finish (Artisan)
- Colors: Over 50 Colors
- Fire Rating: ASTM E 84-03b
- Thickness: .010"
- Made in USA

## COLORS:

**Color Code:** \_\_\_\_\_ (reference Color Chart under tab "Colors & Patterns")

## INSTALLATION TYPES:

**Installation Type:** ☐ Drop-In

## ACCESSORIES:

**Accessories:** ☐ Crown Molding ☐ Flat Molding

SUBMITTED TO: _____	COMPANY: _____	DATE: _____	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> NOT ACCEPTED <input type="checkbox"/> MODIFIED <input type="checkbox"/> RESUBMIT  _____ (Signature / Title)
SUBMITTED BY: _____	COMPANY: _____	DATE: _____	
PROJECT NAME: _____	REMARKS: _____		



*TAB: FIRE TESTING DATA*



# COMMERCIAL TESTING COMPANY

1215 South Hamilton Street • Dalton, Georgia 30720  
Telephone (706) 278-3935 • Facsimile (706) 278-3936

Standard Method of Test for  
Surface Burning Characteristics of Building Materials

ASTM E84-16

**Powdercoated, Perforated, Drop-in Style Tin Ceiling**

Report Number 17-08003

Test Number 5051-4007  
July 31, 2017

American Tin Ceilings, LLC  
Bradenton, Florida

Commercial Testing Company

(Authorized Signature)

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## INTRODUCTION

This report is a presentation of results of a surface flammability test on a material submitted by American Tin Ceilings, LLC, Bradenton, Florida.

The test was conducted in accordance with the ASTM International fire-test-response standard E84-16, *Surface Burning Characteristics of Building Materials*, sometimes referred to as the Steiner tunnel test. ASTM E84 is an American National Standard (ANSI) and has been approved for use by agencies of the Department of Defense. The ASTM E84 test method is the technical equivalent of UL No. 723. The test is applicable to exposed interior surfaces such as walls and ceilings. The test is conducted with the specimen in the ceiling position with the surface to be evaluated face down toward the ignition source. Thus, specimens shall either be self-supporting by its own structural quality, held in place by added supports along the test surface, or secured from the back side.

This standard is used to measure and describe the response of materials, products, or assemblies to heat and flame under controlled conditions, but does not by itself incorporate all factors required for fire-hazard or fire-risk assessment of the materials, products, or assemblies under actual fire conditions.

## PURPOSE

The purpose of the test is to provide only the comparative measurements of surface flame spread and smoke development of materials with that of select grade red oak and fiber-reinforced cement board, Grade II, under specific fire exposure conditions. The test exposes a nominal 24-foot long by 20-inch wide test specimen to a controlled air flow and flaming fire adjusted to spread the flame along the entire length of a red oak specimen in 5½ minutes. During the 10-minute test duration, flamespread over the specimen surface and density of the resulting smoke are measured and recorded. Test results are calculated relative to red oak, which has an arbitrary rating of 100, and fiber-reinforced cement board, Grade II, which has a rating of 0.

The test results are expressed as Flame Spread Index and Smoke Developed Index. The Flame Spread Index is defined in ASTM E176 as "a number or classification indicating a comparative measure derived from observations made during the progress of the boundary of a zone of flame under defined test conditions." The Smoke Developed Index, a term specific to ASTM E84, is defined as "a number or classification indicating a comparative measure derived from smoke obscuration data collected during the test for surface burning characteristics." There is not necessarily a relationship between the two measurements.

The method does not provide for measurement of heat transmission through the surface tested, the effect of aggravated flame spread behavior of an assembly resulting from the proximity of combustible walls and ceilings, or classifying a material as noncombustible solely by means of a Flame Spread Index.

The zero reference and other parameters critical to furnace operation are verified on the day of the test by conducting a 10-minute test using 1/4-inch fiber-reinforced cement board, Grade II. Periodic tests using NOFMA certified 23/32-inch select grade red oak flooring provide data for the 100 reference.

## TEST SAMPLE

The test sample, selected by the client, was identified as **Perforated Acoustical Pattern #24 Brushed Satin Nickel**, a powder coated perforated drop-in tin ceiling with a thickness of 0.010 inch, a hole diameter of 0.026 inch and a hole distance of 0.207 inch on straight line centers. Twelve tiles, each measuring 23.750 inches wide by 23.750 inches in length, were received. They were physically self-supporting and required no additional sample preparation. The tiles were transferred to storage racks and conditioned to equilibrium in an atmosphere with the temperature maintained at  $71 \pm 2^{\circ}\text{F}$  and the relative humidity at  $50 \pm 5$  percent. For testing, the tiles were placed end-to-end on the ledges of the tunnel furnace to make up the necessary 24-foot test sample and the test conducted with no auxiliary support mechanism.

## TEST RESULTS

The test results, calculated on the basis of observed flame propagation and the integrated area under the



recorded smoke density curve, are presented below. The Flame Spread Index obtained in E84 is rounded to the nearest number divisible by five. Smoke Developed Indices are rounded to the nearest number divisible by five unless the Index is greater than 200. In that case, the Smoke Developed Index is rounded to the nearest 50 points. The flame spread and smoke development data are presented graphically at the end of this report.

Test Specimen	Flame Spread Index	Smoke Developed Index
Fiber-Reinforced Cement Board, Grade II	0	0
Red Oak Flooring	100	100
<b>Perforated Acoustical Pattern #24 Brushed Satin Nickel</b>	<b>15</b>	<b>5</b>

#### OBSERVATIONS

Specimen ignition over the burners occurred at 0.43 minute. Surface flame spread was observed to a maximum distance of 3.24 feet beyond the zero point at 0.82 minute. The maximum temperature recorded during the test was 563°F. For information purposes, the actual (unrounded) Flame Spread and Smoke Developed Indices were 15.6 and 3.0 respectively.

#### CLASSIFICATION

The Flame Spread Index and Smoke Developed Index values obtained by ASTM E84 tests are frequently used by code officials and regulatory agencies in the acceptance of interior finish materials for various applications. The most widely accepted classification system is described in the National Fire Protection Association publication NFPA 101 *Life Safety Code*, where:

Class A	0 – 25 Flame Spread Index	0 – 450 Smoke Developed Index
Class B	26 – 75 Flame Spread Index	0 – 450 Smoke Developed Index
Class C	76 – 200 Flame Spread Index	0 – 450 Smoke Developed Index

Class A, B, and C correspond to Type I, II, and III respectively in other codes. They do not preclude a material being otherwise classified by the authority of jurisdiction.

## ASTM E 84 TEST DATA

Client: American Tin Ceilings, LLC

Test Number: 5051-4007

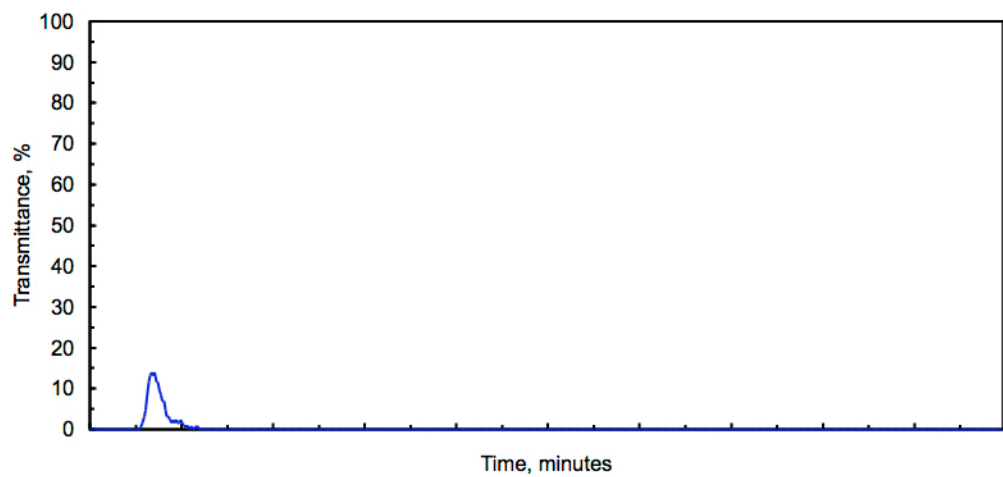
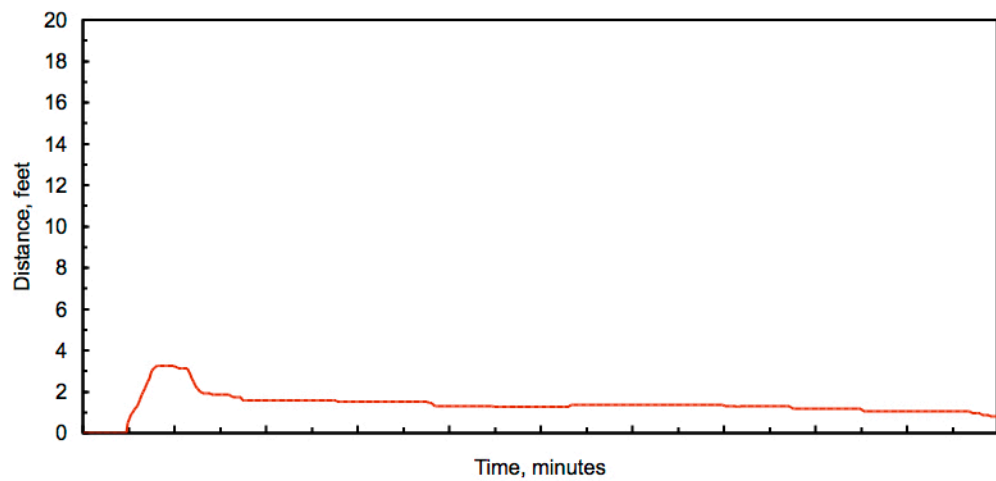
Material Tested: Perforated Acoustical Pattern #24 Brushed Satin Nickel

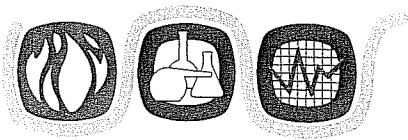
Date: July 31, 2017

### Test Results:

Time to Ignition = 00.43 minutes  
Maximum Flamespread Distance = 03.24 feet  
Time to Maximum Spread = 00.82 minutes

Flame Spread Index = 15  
Smoke Developed Index = 5





# COMMERCIAL TESTING COMPANY

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Standard Method of Test for  
Surface Burning Characteristics of Building Materials

ASTM E 84-03b

**Powdercoated NailUp Tin Ceiling**

Report Number 05-12141

Test Number 3726-8426  
December 5, 2005

The American Tin Ceiling Co.  
Bradenton, Florida

Commercial Testing Company is accredited for the ASTM E 84 test by the United States Department of Commerce, National Institute of Standards and Technology (NIST), through the National Voluntary Laboratory Accreditation Program (NVLAP) for compliance with criteria set forth in NIST Handbook 150:2001, all requirements of ISO/IEC 17025:1999, and relevant requirements of ISO 9002:1994.

Commercial Testing Company

(Authorized Signature)

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## INTRODUCTION

This report is a presentation of results of a surface flammability test on a material submitted by The American Tin Ceiling Co., Bradenton, Florida.

The test was conducted in accordance with the ASTM International fire test response standard E 84-03b, *Surface Burning Characteristics of Building Materials*, sometimes referred to as the Steiner tunnel test. This test is applicable to exposed surfaces such as walls and ceilings. The test is conducted with the specimen in the ceiling position with the surface to be evaluated exposed face down to the ignition source. The ASTM E 84 test method is technically identical to NFPA No. 255 and UL No. 723.

This standard is used to measure and describe the response of materials, products, or assemblies to heat and flame under controlled conditions, but does not by itself incorporate all factors required for fire-hazard or fire-risk assessment of materials, products, or assemblies under actual fire conditions.

## PURPOSE

The purpose of the test is to provide only the comparative measurements of surface flame spread and smoke development of materials with that of select grade red oak and fiber-reinforced cement board, Grade II, under specific fire exposure conditions. The test exposes a nominal 24-foot long by 20-inch wide test specimen to a controlled air flow and flaming fire adjusted to spread the flame along the entire length of a red oak specimen in 5.50 minutes. During the 10-minute test duration, flamespread over the specimen surface and density of the resulting smoke are measured and recorded. Test results are calculated relative to red oak, which has an arbitrary rating of 100, and fiber-reinforced cement board, Grade II, which has a rating of 0.

The test results are expressed as Flame Spread Index and Smoke Developed Index. The Flame Spread Index is defined in ASTM E 176 as "a number or classification indicating a comparative measure derived from observations made during the progress of the boundary of a zone of flame under defined test conditions." The Smoke Developed Index, a term specific to ASTM E 84, is defined as "a number or classification indicating a comparative measure derived from smoke obscuration data collected during the test for surface burning characteristics." There is not necessarily a relationship between the two measurements.

The method does not provide for measurement of heat transmission through the surface tested, the effect of aggravated flame spread behavior of an assembly resulting from the proximity of combustible walls and ceilings, or classifying a material as noncombustible solely by means of a Flame Spread Index.

The zero reference and other parameters critical to furnace operation are verified on the day of the test by conducting a 10-minute test using 1/4-inch fiber-reinforced cement board, Grade II. Periodic tests using NOFMA certified 23/32-inch select grade red oak flooring provide data for the 100 reference.

## TEST SAMPLE

The test sample, selected by the client, was identified as **Powdercoated NailUp Tin Ceiling**, tin ceiling panels with a metal thickness of 0.022 inch. Twelve ceiling tiles, each measuring 24 inches by 24 inches, were received. They were physically self-supporting and required no additional sample preparation. The panels were transferred to storage racks and conditioned to equilibrium in an atmosphere with the temperature maintained at  $71 \pm 2^{\circ}\text{F}$  and the relative humidity at  $50 \pm 5$  percent. For testing, the panels were placed end-to-end on the ledges of the tunnel furnace to make up the necessary 24-foot test sample and the test conducted with no auxiliary support mechanism.

## TEST RESULTS

The test results, calculated on the basis of observed flame propagation and the integrated area under the recorded smoke density curve, are presented below. The Flame Spread Index obtained in E 84 is rounded to the nearest number divisible by five. Smoke Developed Indices are rounded to the nearest number divisible by five unless the Index is greater than 200. In that case, the Smoke Developed Index is rounded to the nearest 50 points. The flame spread and smoke development data are presented graphically on Page 4 of this report.

Test Specimen	Flame Spread Index	Smoke Developed Index
Fiber-Reinforced Cement Board, Grade II	0	0
Red Oak Flooring	100	100
Powdercoated NailUp Tin Ceiling	15	35

## OBSERVATIONS

Specimen ignition over the burners occurred at 0.25 minute. Surface flame spread was observed to a maximum distance of 3.06 feet beyond the zero point at 0.82 minute. The maximum temperature recorded during the test was 551°F.

## CLASSIFICATION

The Flame Spread Index and Smoke Developed Index values obtained by ASTM E 84 tests are frequently used by code officials and regulatory agencies in the acceptance of interior finish materials for various applications. The most widely accepted classification system is described in the National Fire Protection Association publication NFPA 101 *Life Safety Code*, where:

Class A	0 – 25 Flame Spread Index	0 – 450 Smoke Developed Index
Class B	26 – 75 Flame Spread Index	0 – 450 Smoke Developed Index
Class C	76 – 200 Flame Spread Index	0 – 450 Smoke Developed Index

Class A, B, and C correspond to Type I, II, and III respectively in other codes such as SBCCI, BOCA, and ICBO. They do not preclude a material being otherwise classified by the authority of jurisdiction.

## ASTM E 84 TEST DATA

Client: The American Tin Ceiling Company

Test Number: 3726-8426

Material Tested: Powdercoated NailUp Tin Ceiling Panel

Date: December 5, 2005

### Test Results:

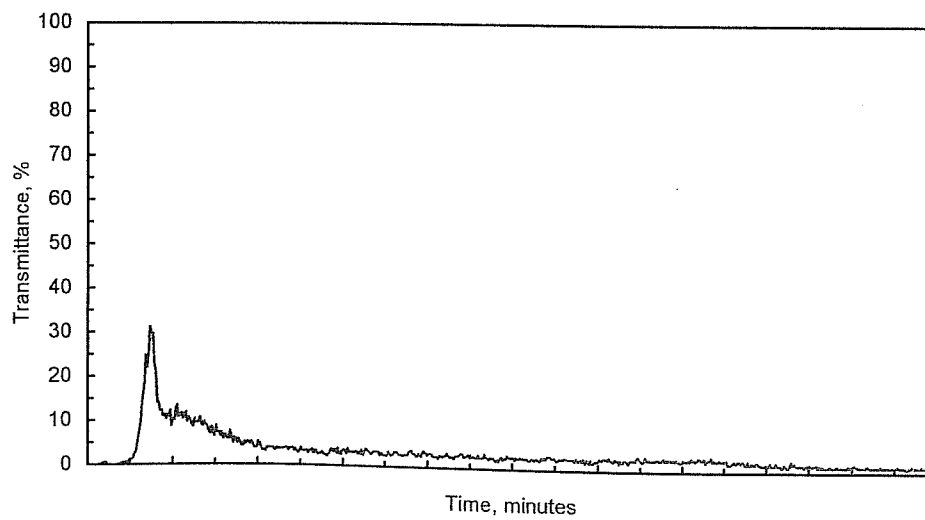
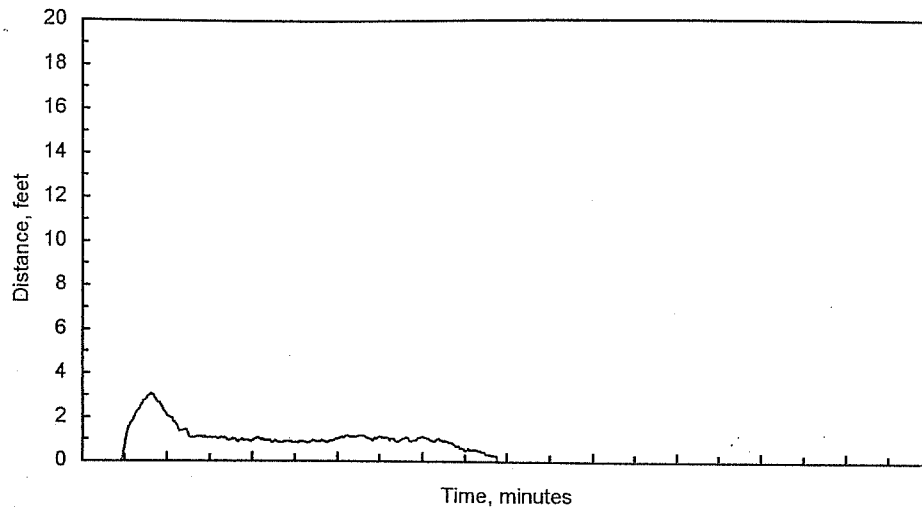
Time to Ignition = 00.25 minutes

Maximum Flamespread Distance = 03.06 feet

Time to Maximum Spread = 00.82 minutes

Flame Spread Index = 15

Smoke Developed Index = 35





*TAB: ACOUSTICAL TESTING DATA*

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## Test Report

FOR: **American Tin Ceilings, LLC**  
Bradenton, FL

**Sound Absorption**  
**RAL-A16-343**

CONDUCTED: 2016-11-29

Page 1 of 8

ON: Perforated Tin Ceiling Tiles with acoustical pad

### TEST METHOD

Riverbank Acoustical Laboratories™ is accredited by the U.S. Department of Commerce, National Institute of Standards and Technology (NIST) under the National Voluntary Laboratory Accreditation Program (NVLAP) as an ISO 17025:2005 Laboratory (NVLAP Lab Code: 100227-0) and for this test procedure. The test reported in this document conformed explicitly with ASTM C423-09a: "Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method." The specimen mounting was performed according to ASTM E795-05(2012): "Standard Practices for Mounting Test Specimens During Sound Absorption Tests." A description of the measuring procedure and room qualifications is available upon request.

### DESCRIPTION OF THE SPECIMEN

The test specimen was designated by the manufacturer as Perforated Tin Ceiling Tiles with acoustical pad. A full inspection was performed on the test specimen by Riverbank personnel, verifying the manufacturer's description.

#### Ceiling Tiles

Material:	Tin plated steel
Dimensions:	16 @ 606.55 mm (23.88 in.) x 606.55 mm (23.88 in.) 4 @ 606.55 mm (23.88 in.) x 317.5 mm (12.5 in.)
Thickness:	0.25 mm (0.01 in.)
Overall Weight:	13.38 kg (29.5 lbs.)
Perforations:	Diameter: 0.56 mm (0.022 in.) Pitch: 5.25 mm (0.207 in.) On Center Square Pitch Open Area: 0.9% of Perforated Region

*Note: Seams between each tile were taped for test.*

#### Pads

Material:	1.5 pcf poly-wrapped insulation
Dimensions:	16 @ 606.55 mm (23.88 in.) x 606.55 mm (23.88 in.) 4 @ 606.55 mm (23.88 in.) x 330.2 mm (13 in.)
Thickness:	50.8 mm (2 in.)
Overall Weight:	10.43 kg (23 lbs.)



NVLAP LAB CODE 100227-0

THE RESULTS REPORTED APPLY ONLY TO THE SPECIFIC SAMPLE SUBMITTED FOR TESTING; RAL ASSUMES NO RESPONSIBILITY FOR THE PERFORMANCE OF ANY OTHER SPECIMEN.

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## Test Report

American Tin Ceilings, LLC  
2016-11-29

RAL-A16-343  
Page 2 of 8

### Physical Measures

---

Overall Dimensions: 2.74 m (108.00 in.) wide by 2.43 m (95.50 in.) long  
Overall Thickness: 53.34 mm (2.10 in.)  
Overall Weight: 23.81 kg (52.50 lbs.)  
Area: 6.65 m<sup>2</sup> (71.60 ft<sup>2</sup>)  
Mass per Unit Area: 3.56 kg/m<sup>2</sup> (0.73 lbs./ft<sup>2</sup>)

### Test Environment

---

Volume: 292.0 m<sup>3</sup> (10,311.0 ft<sup>3</sup>)  
Temperature: 21.6±0.0°C (70.8±0.1°F) (Requirement: ≥10° C and ≤5° C change)  
Humidity: 64.0±0.6% (Requirement: ≥40% RH and ≤5% change)  
Barometric Pressure: 97.4 kPa. (Requirement not defined)



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2016-11-29

**RAL-A16-343**  
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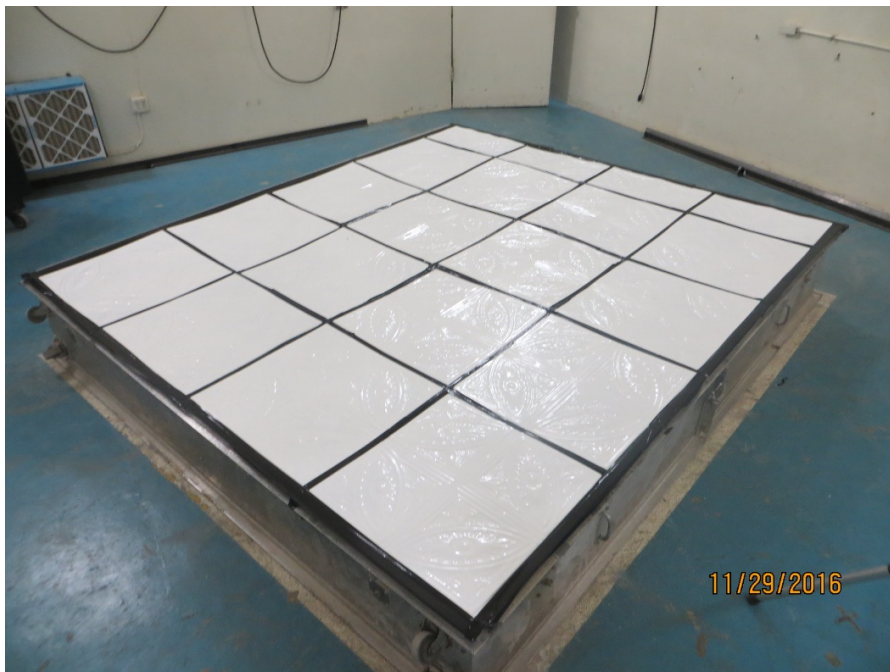


Figure 1 – Specimen mounted in the test chamber.



Figure 2 – Detail of the test specimen.



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2016-11-29

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### MOUNTING METHOD

Type E-400 Mounting: The test specimen was mounted with an airspace behind it. The number designates the distance in mm from the exposed face of the test specimen to the test surface. The perimeter was sealed using metal framing.

### TEST RESULTS

1/3 Octave Center Frequency (Hz)	Total Absorption (SI) (m <sup>2</sup> )	Total Absorption (IP) (Sabins)	Absorption Coefficient (Sabins / ft <sup>2</sup> )
100	6.93	74.65	1.04
** 125	5.52	59.39	0.83
160	5.27	56.69	0.79
200	6.33	68.10	0.95
** 250	6.28	67.58	0.94
315	5.76	61.99	0.87
400	5.91	63.64	0.89
** 500	6.64	71.52	1.00
630	6.75	72.63	1.01
800	6.57	70.74	0.99
** 1000	6.29	67.66	0.95
1250	5.38	57.87	0.81
1600	4.54	48.88	0.68
** 2000	3.69	39.75	0.56
2500	3.24	34.89	0.49
3150	2.98	32.11	0.45
** 4000	2.54	27.38	0.38
5000	2.18	23.48	0.33

**SAA = 0.85**

**NRC = 0.85**



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**RAL-A16-343**  
Page 5 of 8

### TEST RESULTS (Continued)

The sound absorption average (SAA) is defined as a single number rating, the average, rounded to the nearest 0.01, of the sound absorption coefficient of a material for the twelve one-third octave bands from 200 through 2500 Hz, inclusive.

The noise reduction coefficient (NRC) is defined from previous versions of this same test method as the average of the coefficients at 250, 500, 1000, and 2000 Hz, expressed to the nearest integral multiple of 0.05.

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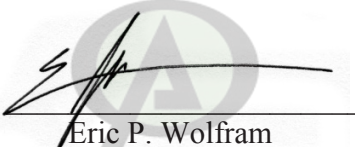
Dean Victor  
*Senior Experimentalist*

Report by



Miles Possing  
*Acoustician*

Approved by



Eric P. Wolfram  
*Laboratory Manager*



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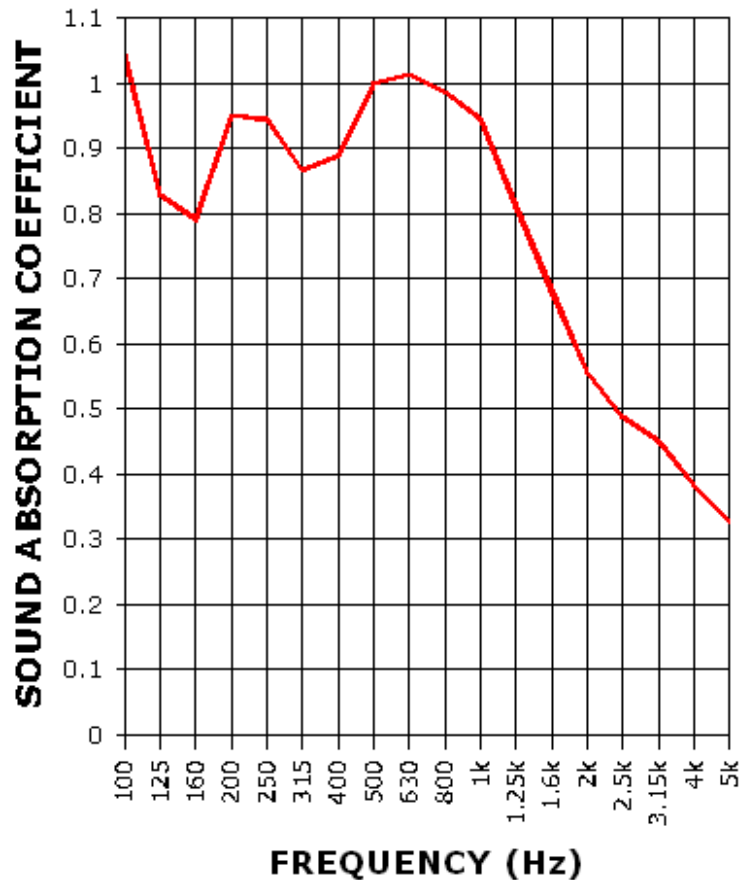
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## Test Report

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**RAL-A16-343**  
Page 6 of 8

### SOUND ABSORPTION REPORT Perforated Tin Ceiling Tiles with acoustical pad



**SAA = 0.85**  
**NRC = 0.85**



NVLAP LAB CODE 100227-0

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**RAL-A16-343**  
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### **APPENDIX A: Extended Frequency Range Data**

Specimen: Perforated Tin Ceiling Tiles with acoustical pad (See Full Report)

*The following non-accredited data were obtained in accordance with ASTM C423-09a, but extend beyond the defined frequency range of 100Hz to 5,000Hz. These unofficial results are representative of the RAL test environment only and intended for research & comparison purposes.*

1/3 Octave Band Center Frequency (Hz)	Total Absorption (Sabins)	Absorption Coefficient (Sabins / ft <sup>2</sup> )
31.5	27.96	0.39
40	31.05	0.43
50	75.12	1.05
63	39.39	0.55
80	48.03	0.67
100	74.65	1.04
125	59.39	0.83
160	56.69	0.79
200	68.10	0.95
250	67.58	0.94
315	61.99	0.87
400	63.64	0.89
500	71.52	1.00
630	72.63	1.01
800	70.74	0.99
1000	67.66	0.95
1250	57.87	0.81
1600	48.88	0.68
2000	39.75	0.56
2500	34.89	0.49
3150	32.11	0.45
4000	27.38	0.38
5000	23.48	0.33
6300	20.92	0.29
8000	17.32	0.24
10000	12.74	0.18
12500	3.33	0.05



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## Test Report

American Tin Ceilings, LLC  
2016-11-29

**RAL-A16-343**  
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### **APPENDIX B: Instruments of Traceability**

Specimen: Perforated Tin Ceiling Tiles with acoustical pad (See Full Report)

<b><u>Description</u></b>	<b><u>Model</u></b>	<b><u>Serial Number</u></b>	<b><u>Date of Certification</u></b>	<b><u>Calibration Due</u></b>
Bruel & Kjaer Pulse Analy	Type 3560-C	2647140	2016-04-12	2017-04-12
Bruel & Kjaer Mic And Pre	Type 4943-B-001	2311439	2016-03-17	2017-03-17
Bruel & Kjaer Pistonphone	Type 4228	2781248	2016-07-25	2017-07-25
EXTECH-Temp	SD700	A074985	2016-10-03	2017-10-03

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END



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