

CEILING | SYSTEMS

Between us, ideas become reality™

METALWORKS™ 3D



METALWORKS™ 3D

Tegular
smooth texture



MetalWorks 3D Microperforated in Whitelume

cloud friendly

Visit Armstrong.com Photo Gallery to view more installation photos

SEARCH: metalworks 3D

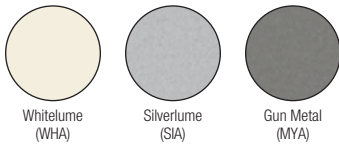
KEY SELECTION ATTRIBUTES

- Define and accentuate spaces with unique 3D look
- Reflections™ laminate finishes provide wood-look visual
- Standard Tegular and 1", 2", 3", and 4" panel heights
- Easy to install
- Perforation option available for acoustics
- Durable – Washable, Impact-resistant, Scrubbable, Soil-resistant
- Custom RAL colors and additional laminates available
- Contact Armstrong Architectural Specialties at 1 877 ARMSTRONG, select options 1-1-4 for custom colors and laminates. Minimum order quantities may be required.

COLOR SELECTION

Due to printing limitations, shade may vary from actual product.

MetalWorks

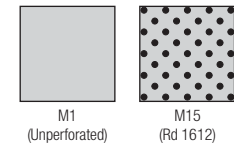


Reflections™ Laminate Finishes



PERFORATION OPTIONS

(Actual 1:1 scale shown)



Additional laminate finishes are available. Choose from Belbien's vintage wood, naked wood, super real wood, wood, wood plus, and Designer's wood collections.

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25% RECYCLED CONTENT

LEED®

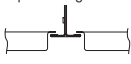
- acoustics
- energy
- daylight & views
- indoor air quality
- renewable materials
- recycled content
- waste mgmt
- local materials

Calculate LEED contribution at armstrong.com/greengenie *LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE Dots represent high level of performance

ACOUSTIC INFORMATION

Edge Profile	Item Number*	Dimensions (Inches)	Fire Rating**	Light Reflect (White only)♦♦	Durable				Perforation	NRC	CAC	
					Wash	Scrub	Impact	Soil				
METALWORKS 3D Tegular												
 9/16" Square Tegular (dimension varies)	7220_-----	24 x 24 x .313" Down Tegular	<input type="checkbox"/>	Class A / Class B	0.77	•	•	•	•	M1	0.10	NA
	7220UP1_-----	24 x 24 x 1" Up Tegular	<input type="checkbox"/>	Class A / Class B	0.77	•	•	•	•	M15	0.70 - 0.90†	NA
	7220DN1_-----	24 x 24 x 1" Down Tegular	<input type="checkbox"/>	Class A / Class B	0.77	•	•	•	•			
	7220UP2_-----	24 x 24 x 2" Up Tegular	<input type="checkbox"/>	Class A / Class B	0.77	•	•	•	•			
	7220DN2_-----	24 x 24 x 2" Down Tegular	<input type="checkbox"/>	Class A / Class B	0.77	•	•	•	•			
	7220UP3_-----	24 x 24 x 3" Up Tegular	<input type="checkbox"/>	Class A / Class B	0.77	•	•	•	•			
	7220DN3_-----	24 x 24 x 3" Down Tegular	<input type="checkbox"/>	Class A / Class B	0.77	•	•	•	•			
	7220UP4_-----	24 x 24 x 4" Up Tegular	<input type="checkbox"/>	Class A / Class B	0.77	•	•	•	•			
	7220DN4_-----	24 x 24 x 4" Down Tegular	<input type="checkbox"/>	Class A / Class B	0.77	•	•	•	•			

♦ When specifying or ordering, include the appropriate perforation and color suffix with the item number (e.g., 7220 M 1 W H A).
 ♦♦ Light reflectance is for unperforated Whitelume.
 ** Class A fire rating on MetalWorks painted finishes and Class B on Reflections laminates.

ACCESSORIES


Item Number	Description	Dimensions Nominal W x L x H (Inches)	Color	Pcs/Carton	NRC††	CAC	VOC Formaldehyde
8200100	1" Fiberglass Infill Panel	24 x 24 x 1"	Black	12	0.90	N/A	Low
747***	Cortega® Square Lay-In Panel	24 x 48 x 5/8"	White	8	0.55	40	Low
5823	BioAcoustic™ Infill Panel	24 x 24 x 5/8"	Black-Matte	12	0.75	N/A	No Added

*** Recommended for high CAC acoustical performance with MetalWorks Microperforated panels.
 †† Please note that NRC values are stated for infill-to-infill comparison. Actual NRC value will vary based on panel and perforation selection.

COLORS AND PERFORATIONS

MetalWorks	Reflections™ Laminate Finishes	Perforations
Whitelume (WHA)	Arctic Maple (LAM)	M1 (Unperforated)
Silverlume (SIA)	Natural Maple (LNMP/IE)	M15 (Rd 1612)
Gun Metal (MYA)	Rock Maple (LRM)	
	Light Cherry (LLC)	
	Natural Oak (LNO/IE)	
	Pecan (LPC)	
	Wild Cherry (LWC)	
	Mineral Forest (LMF)	
	Walnut (LWN)	

SUSPENSION SYSTEMS

9/16"  Suprafine® XL®
 Coordinating suspension systems and Axiom® trim available for painted colors. Black suspension systems and Axiom trim are suggested for Reflections wood looks. Consult Armstrong.com or our most recent catalog for full suspension system and trim selections.

PHYSICAL DATA

Material
Aluminum – thickness 0.040"

Surface Finish
Reflections laminate finishes: Vinyl-faced membrane
Painted finishes: Factory-applied polyester paint

Fire Performance
Painted aluminum tested per ASTM E84 and CAN/ULC S102. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.
Laminate finishes tested per ASTM E84. Flame Spread Index 75 or less. Smoke Developed Index 450 or less.

ASTM E1264 Classification
Fire Class – Class A (painted)
– Class B (laminated)
Unperforated – Type XX, Pattern G
Perforated – Type XX, Pattern C

Design Consideration
Panels may show a small area of exposed metal edge due to the forming process. Edge paint is available to minimize this effect.

Warranty
Refer to warranty details at armstrong.com/warranty

Item Number	Weight / Square Feet
7220	0.55 lbs/SF
7220UP1	0.60 lbs/SF
7220DN1	0.60 lbs/SF
7220UP2	0.70 lbs/SF
7220DN2	0.70 lbs/SF
7220UP3	0.80 lbs/SF
7220DN3	0.80 lbs/SF
7220UP4	1.00 lbs/SF
7220DN4	1.00 lbs/SF

METALWORKS™ 3D

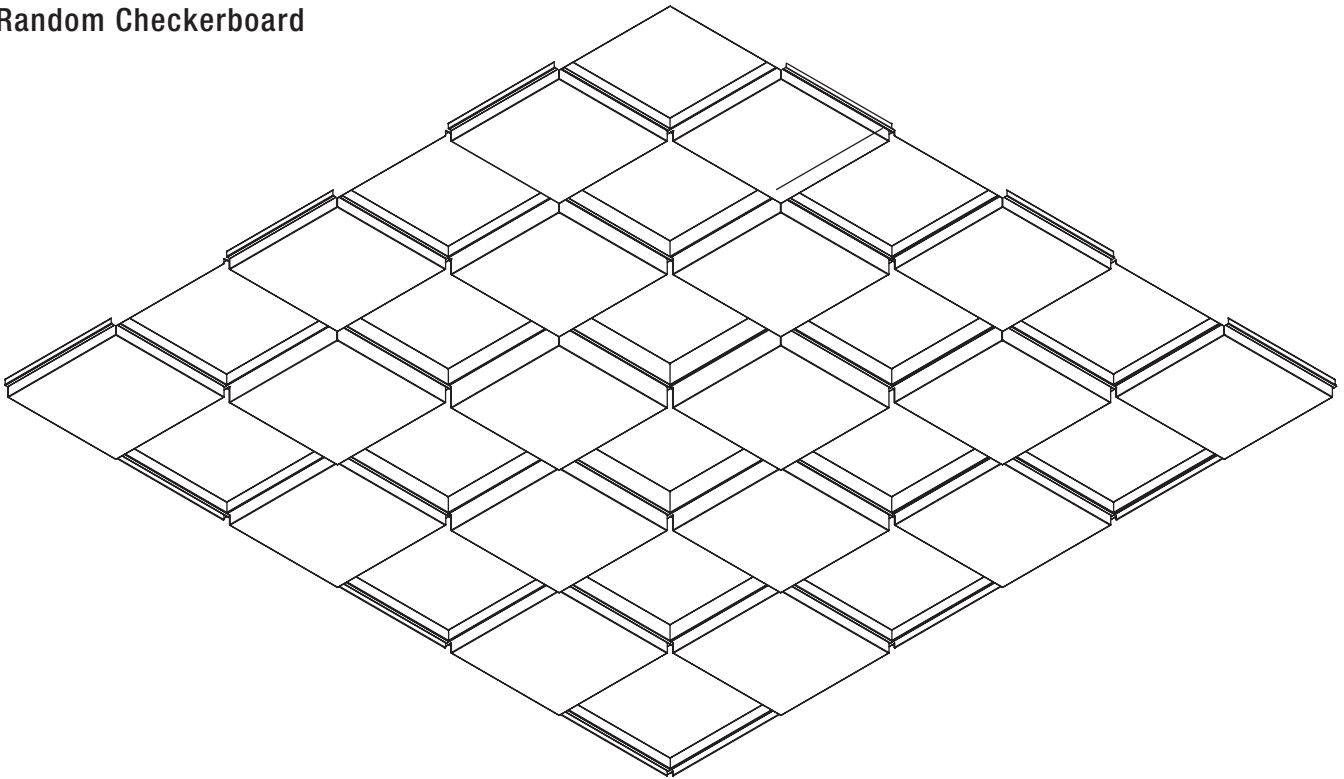
Tegular
smooth texture

DESIGN IDEAS



Installation View
(The Lounge at Gusto reflected ceiling plan)

Random Checkerboard



1↑	1↓	1↑	1↓	1↑	1↓	1↑	1↓
1↓	2↑	2↓	2↑	2↓	2↑	2↓	1↑
1↑	2↓	3↑	3↓	3↑	3↓	2↑	1↓
1↓	2↑	3↓	4↑	4↓	3↑	2↓	1↑
1↑	2↓	3↑	4↓	4↑	3↓	2↑	1↓
1↓	2↑	3↓	3↑	3↓	3↑	2↓	1↑
1↑	2↓	2↑	2↓	2↑	2↓	2↑	1↓
1↓	1↑	1↓	1↑	1↓	1↑	1↓	1↑

To create this design, you will need to order:

Item #	Pieces
7220UP1	14
7220DN1	14
7220UP2	10
7220DN2	10
7220UP3	6
7220DN3	6
7220UP4	2
7220DN4	2

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DESIGN IDEAS



Installation View

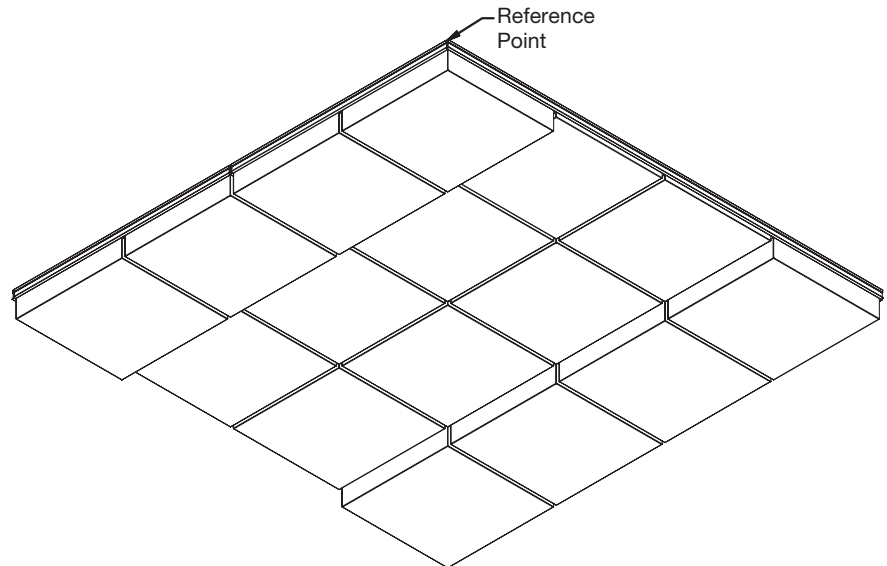
Linear Triple Down

4↓	4↓	4↓	4↓
1↓	1↓	1↓	1↓
1↓	1↓	1↓	1↓
4↓	4↓	4↓	4↓

Reference Point

To create this design, you will need to order:

Item #	Pieces
7220UP1	8
7220DN4	8



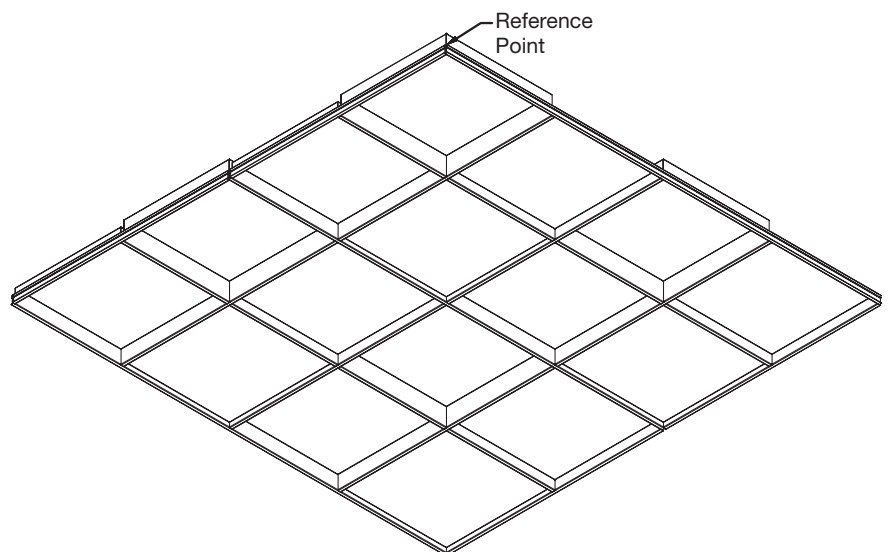
Checkerboard Up

1↑	2↑	1↑	2↑
3↑	4↑	3↑	4↑
1↑	2↑	1↑	2↑
3↑	4↑	3↑	4↑

Reference Point

To create this design, you will need to order:

Item #	Pieces
7220UP1	4
7220UP2	4
7220UP3	4
7220UP4	4



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DESIGN IDEAS

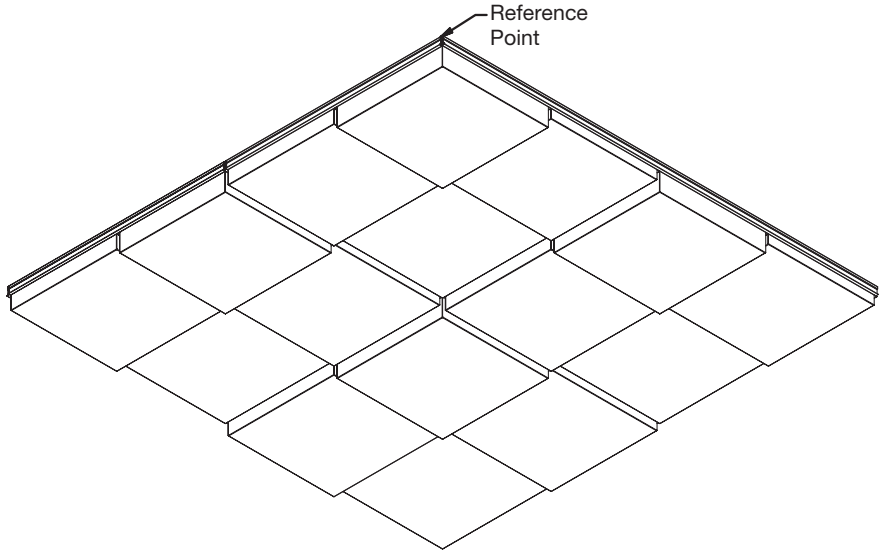
Checkerboard Down

1↓	2↓	1↓	2↓
3↓	4↓	3↓	4↓
1↓	2↓	1↓	2↓
3↓	4↓	3↓	4↓

Reference Point

To create this design, you will need to order:

Item #	Pieces
7220DN1	4
7220DN2	4
7220DN3	4
7220DN4	4



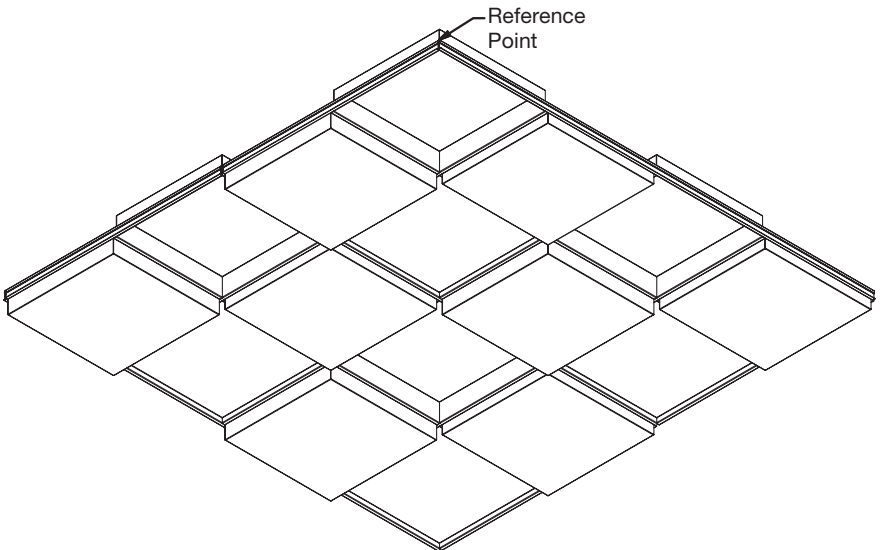
Checkerboard 1 & 4 Up

1↑	2↓	1↑	2↓
3↓	4↑	3↓	4↑
1↑	2↓	1↑	2↓
3↓	4↑	3↓	4↑

Reference Point

To create this design, you will need to order:

Item #	Pieces
7220UP1	4
7220DN2	4
7220DN3	4
7220UP4	4



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DESIGN IDEAS

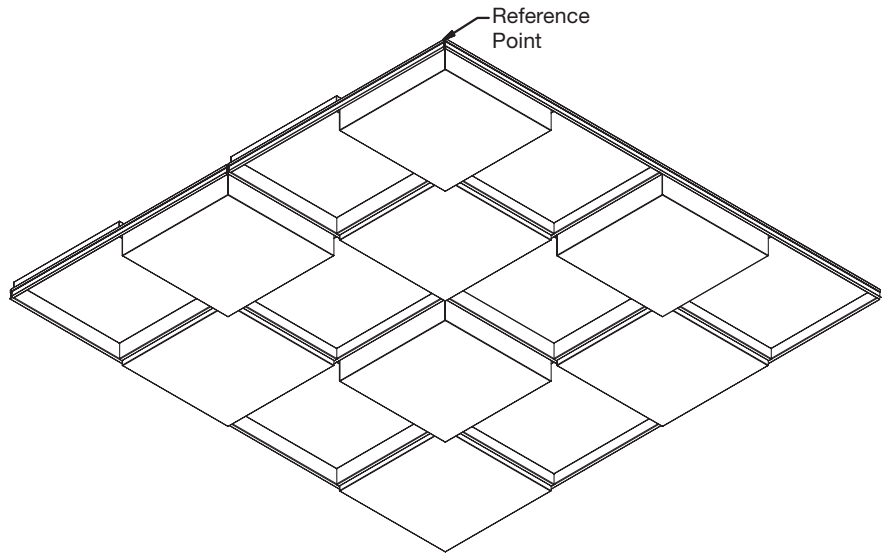
Checkerboard 2 & 3 Up

1↓	2↑	1↓	2↑
3↑	4↓	3↑	4↓
1↓	2↑	1↓	2↑
3↑	4↓	3↑	4↓

Reference Point

To create this design, you will need to order:

Item #	Pieces
7220DN1	4
7220UP2	4
7220UP3	4
7220DN4	4



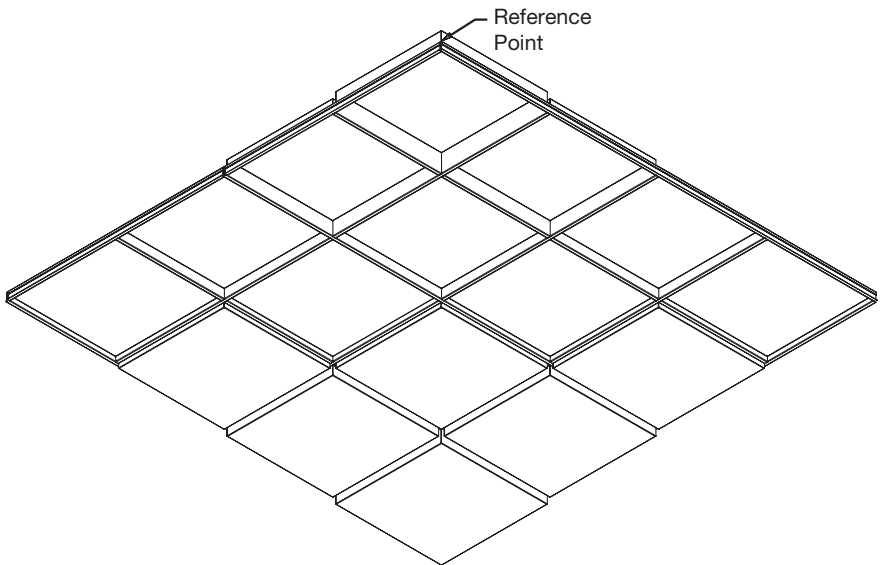
Wave Single

3↓	2↓	1↓	1↑
2↓	1↓	1↑	2↑
1↓	1↑	2↑	3↑
1↑	2↑	3↑	4↑

Reference Point

To create this design, you will need to order:

Item #	Pieces
7220UP1	4
7220DN1	3
7220UP2	3
7220DN2	2
7220UP3	2
7220DN3	1
7220UP4	1



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DESIGN IDEAS

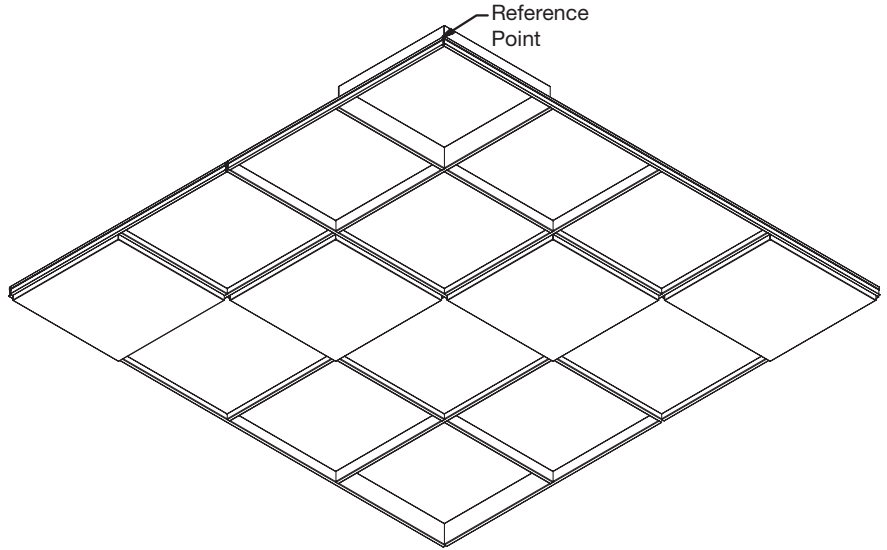
Wave Double

4↑	2↑	1↑	1↓
2↑	1↑	1↓	1↑
1↑	1↓	1↑	2↑
1↓	1↑	2↑	4↑

Reference Point

To create this design, you will need to order:

Item #	Pieces
7220UP1	6
7220DN1	4
7220UP2	4
7220UP4	2



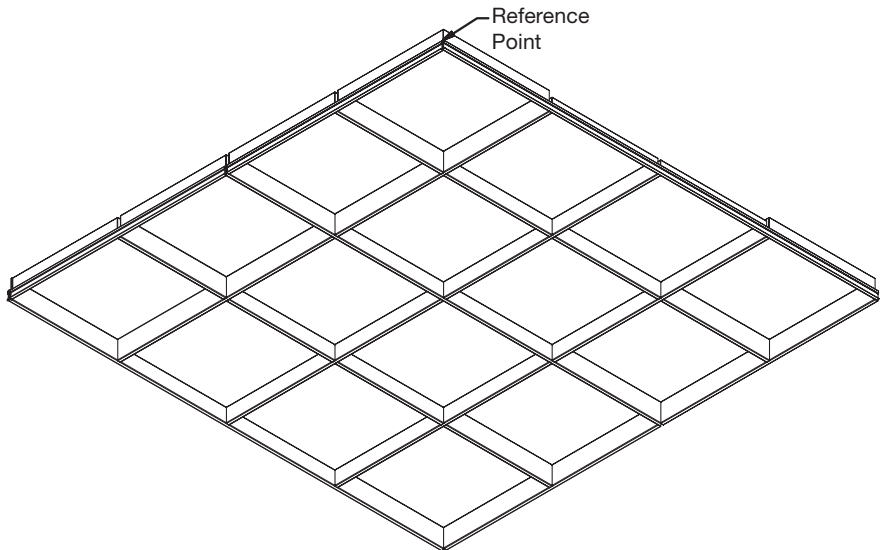
Linear Single Up

4↑	4↑	4↑	4↑
3↑	3↑	3↑	3↑
3↑	3↑	3↑	3↑
4↑	4↑	4↑	4↑

Reference Point

To create this design, you will need to order:

Item #	Pieces
7220UP3	8
7220UP4	8



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DESIGN IDEAS

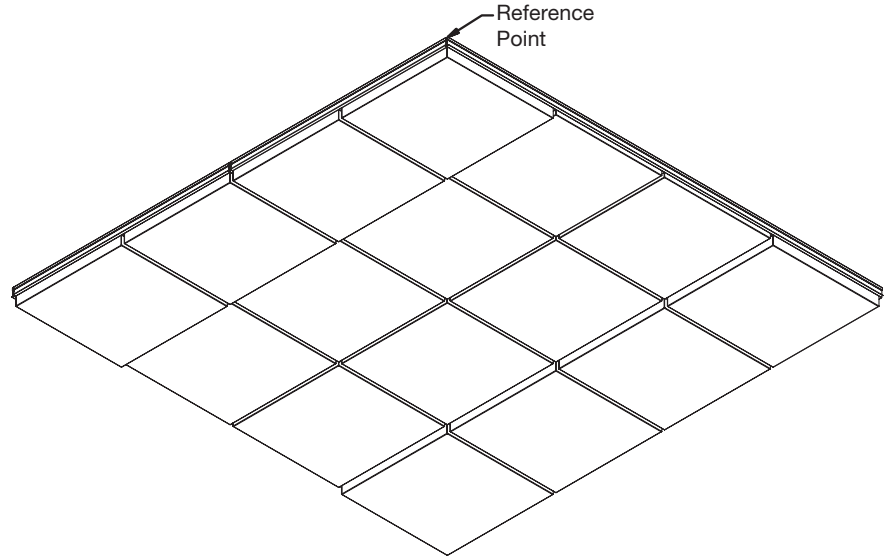
Linear Single Down

2↓	2↓	2↓	2↓
1↓	1↓	1↓	1↓
1↓	1↓	1↓	1↓
2↓	2↓	2↓	2↓

Reference Point

To create this design, you will need to order:

Item #	Pieces
7220DN2	8
7220DN1	8



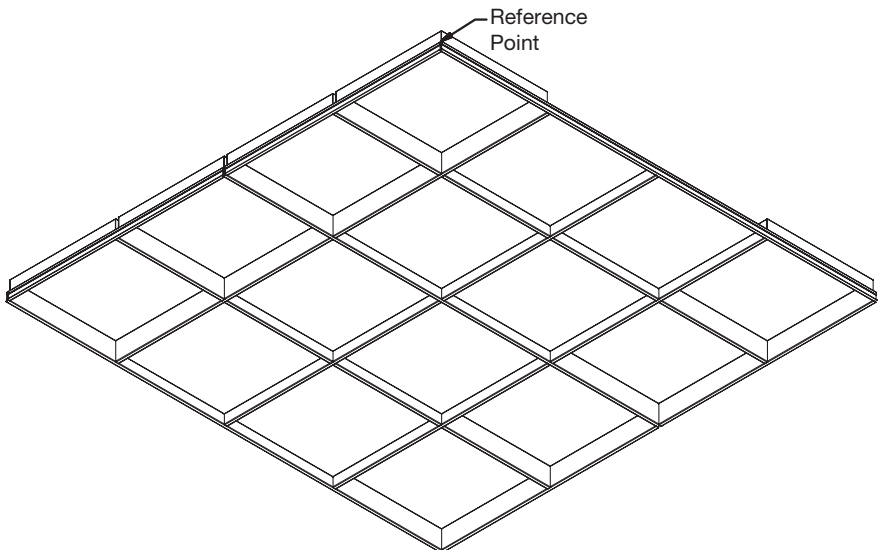
Linear Double Up

4↑	4↑	4↑	4↑
2↑	2↑	2↑	2↑
2↑	2↑	2↑	2↑
4↑	4↑	4↑	4↑

Reference Point

To create this design, you will need to order:

Item #	Pieces
7220UP4	8
7220UP2	8



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DESIGN IDEAS

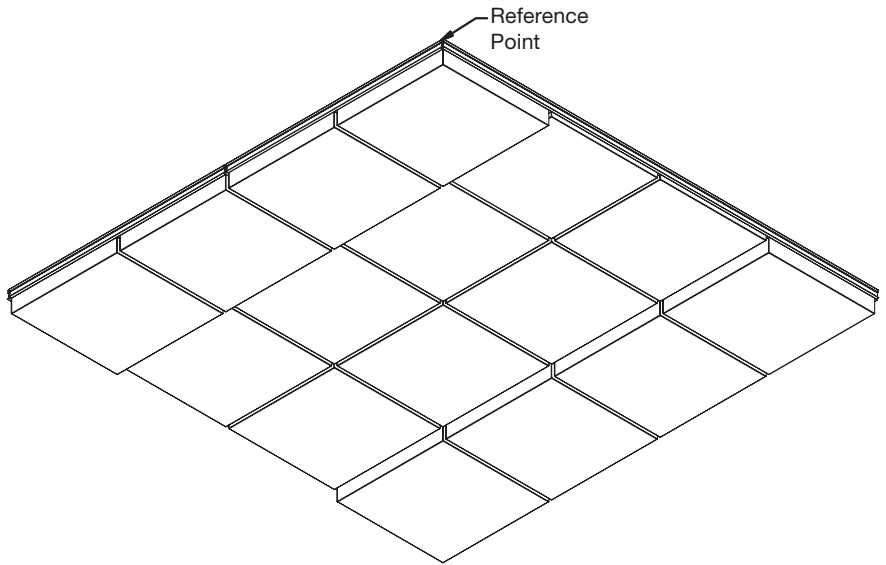
Linear Double Down

3↓	3↓	3↓	3↓
1↓	1↓	1↓	1↓
1↓	1↓	1↓	1↓
3↓	3↓	3↓	3↓

Reference Point

To create this design, you will need to order:

Item #	Pieces
7220DN1	8
7220DN3	8



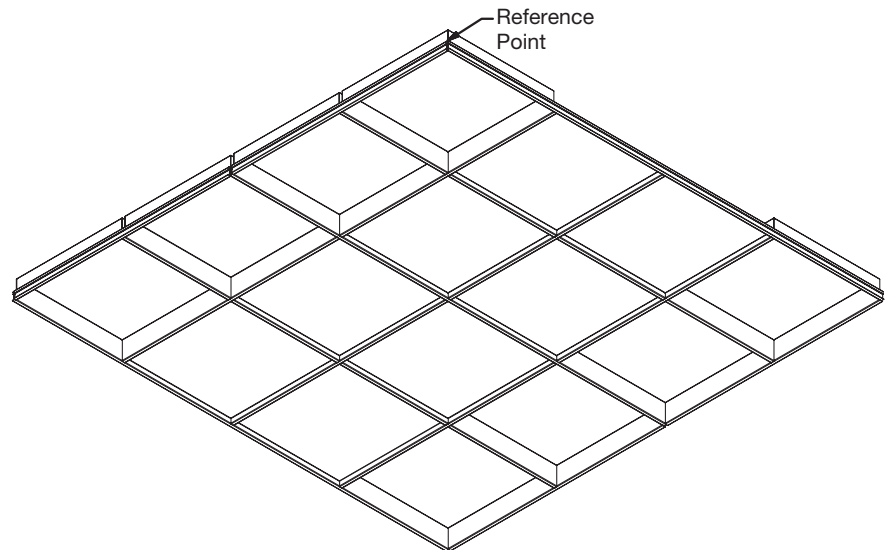
Linear Triple Up

4↑	4↑	4↑	4↑
1↑	1↑	1↑	1↑
1↑	1↑	1↑	1↑
4↑	4↑	4↑	4↑

Reference Point

To create this design, you will need to order:

Item #	Pieces
7220UP1	8
7220UP4	8



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DESIGN IDEAS

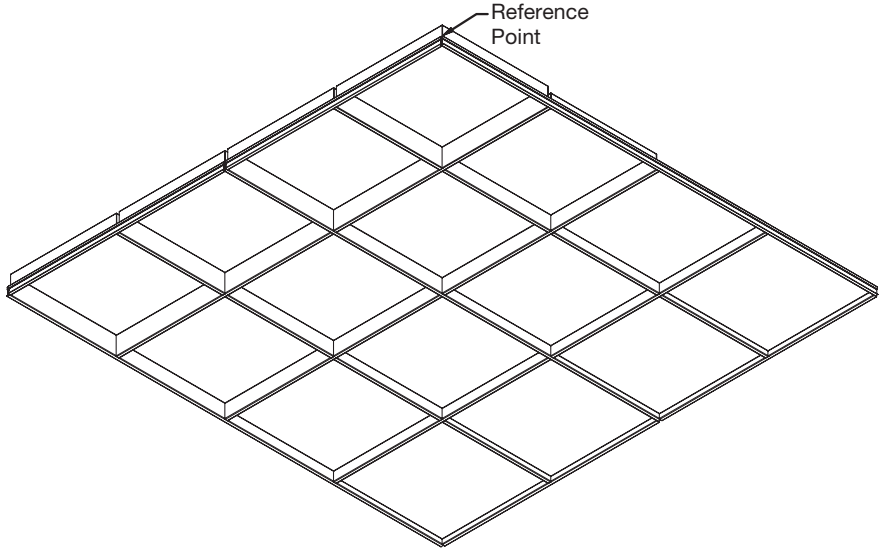
Linear Straight All Up

1↑	1↑	1↑	1↑
2↑	2↑	2↑	2↑
3↑	3↑	3↑	3↑
4↑	4↑	4↑	4↑

Reference Point

To create this design, you will need to order:

Item #	Pieces
7220UP1	4
7220UP2	4
7220UP3	4
7220UP4	4



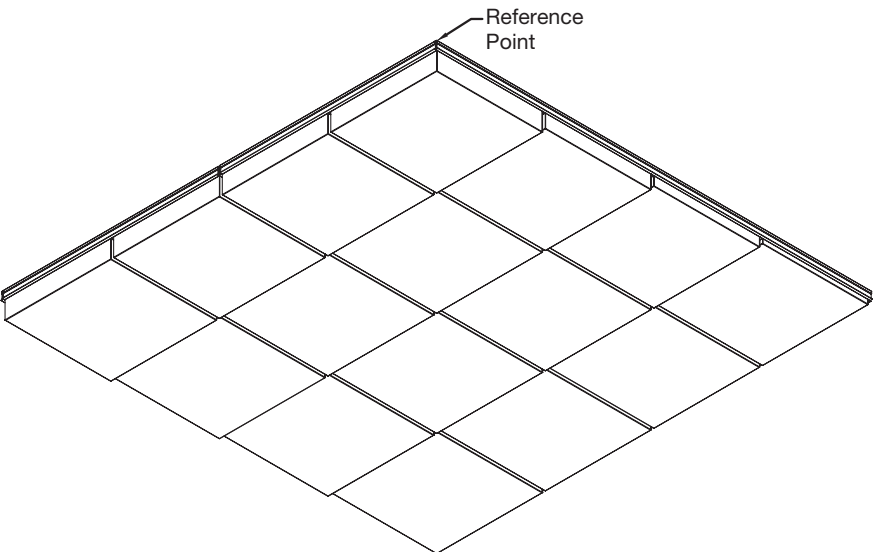
Linear Straight All Down

1↓	1↓	1↓	1↓
2↓	2↓	2↓	2↓
3↓	3↓	3↓	3↓
4↓	4↓	4↓	4↓

Reference Point

To create this design, you will need to order:

Item #	Pieces
7220DN1	4
7220DN2	4
7220DN3	4
7220DN4	4





Before: Mineral Fiber Ceiling

Case Study

Project: The Lounge at Gusto

Location: Lancaster, PA

Product: MetalWorks™ 3D Ceilings

Challenge: When owner Gus Photis decided to open The Lounge at Gusto, he envisioned a space that would provide clientele of the new establishment with a comfortable setting where they could spend the evening and enjoy live entertainment.

To fulfill that vision, and attract the “in” crowd, however, he knew a substantial upgrade was called for. The existing mineral fiber ceiling had been painted over twice, thus reducing any acoustical properties, and was not considered part of the space’s decor.

Solution: To achieve the look and feel he desired, Photis worked with Armstrong Ceilings to install a new MetalWorks 3D ceiling in a checkerboard pattern. 1”, 2”, 3”, and 4” panel heights were used in the design.

“The new ceiling has greatly improved the appearance of the room,” said co-owner, Dore Photis. “We’ve gotten great feedback from patrons, who have definitely noticed the difference.”

In addition to enhanced aesthetics, the new ceiling has also improved the acoustics of the space. Each of the metal panels is microperforated and, as a result, the ceiling has a Noise Reduction Coefficient (NRC) of 0.70, meaning it absorbs 70% of the sound that strikes it.

After: MetalWorks 3D 9/16" Tegular Microperforated in White

