METAL WORKS™
3D

Inspiring Great Spaces®
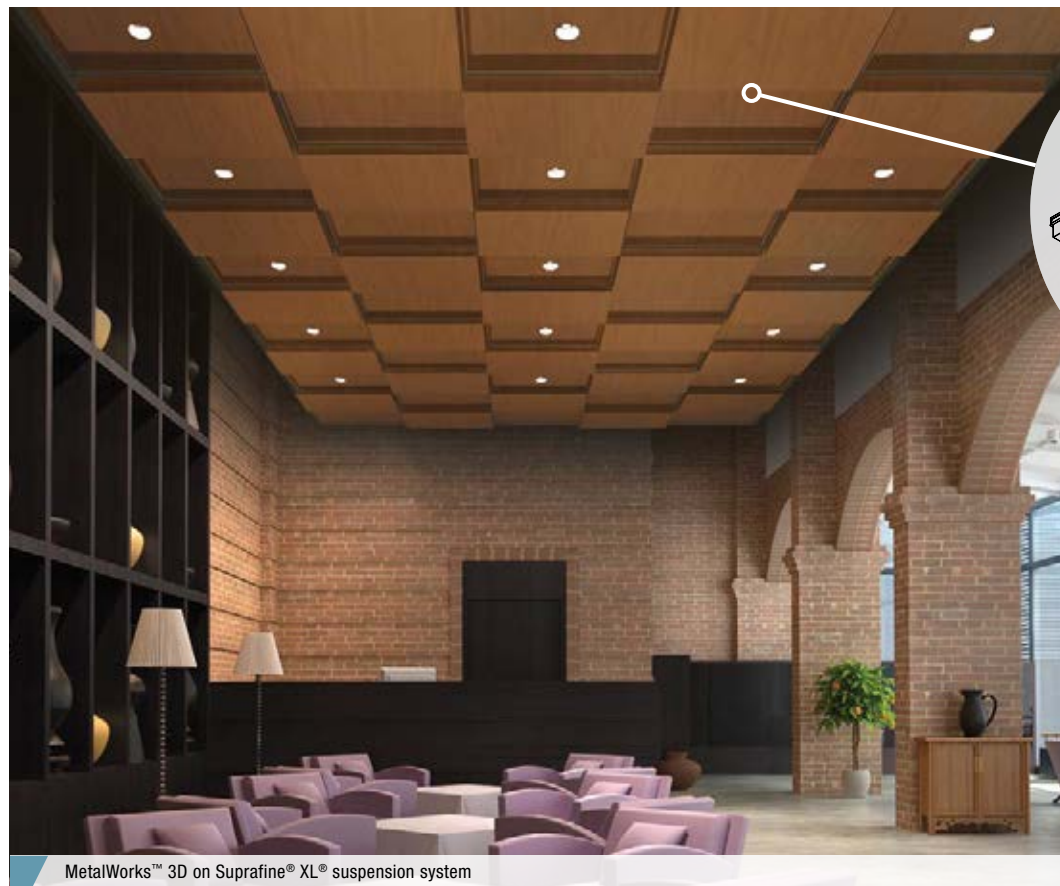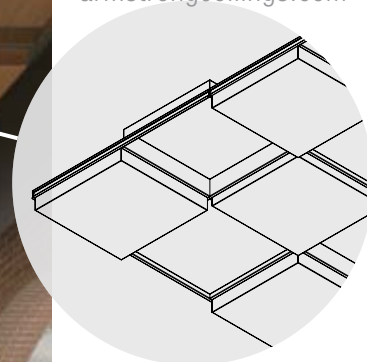
Armstrong®
CEILING SOLUTIONS

METALWORKS™ 3D

Tegular
smooth texture
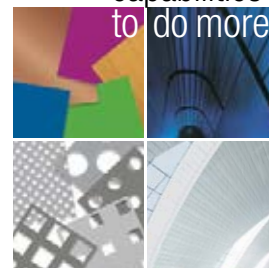
TOTAL ACOUSTICS®
Sound Absorption (NRC)
+ Sound Blocking (CAC)

MetalWorks™ 3D on Suprafine® XL® suspension system

plus...
capabilities
to do more

Now get Total Acoustics® performance with MetalWorks™ 3D perforated panels – excellent noise reduction and sound blocking in one system.

KEY SELECTION ATTRIBUTES

(new)

- Get total noise control and design flexibility with Total Acoustics® ceiling panels: NRC + CAC = Total Acoustics® performance
- Define and accentuate spaces with unique 3D look

- MetalWorks™ 3D panels are part of the Sustain® portfolio and meets the most stringent sustainability compliance standards today. Unperforated (M1) panels only.
- 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, Scrubbable, Impact, Soil-resistant

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

MetalWorks™
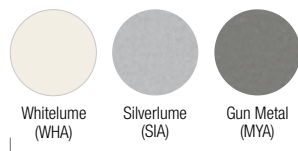
Whitelume (WHA)	Silverlume (SIA)	Gun Metal (MYA)

Part of the Sustain® portfolio, meeting sustainability compliance standards

Reflections™ Laminate Finishes

Arctic Maple (LAM)	Natural Maple (LNMPIE)	Rock Maple (LRM)	Light Cherry (LLC)
Natural Oak (LNOIE)	Pecan (LPC)	Walnut (LWN)	

Custom Colors and Finishes Available

PERFORATION OPTIONS
(1:2 scale shown)

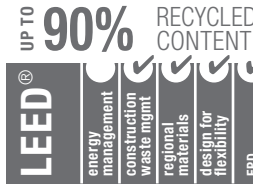| M1 (Unperforated)	M15 (Rd 1612)

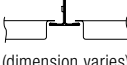Custom Perforations Available

2

METALWORKS™ 3D

Tegular
smooth texture

SUSTAIN•

Declare℠
Living Building
Challenge Compliant

High Performance
Sustainable
Ceiling Systems
Unperforated (M1)

LEED®

energy management | construction waste mgmt | regional materials | design for flexibility | EPD | recyclable/extended producer resp. | biobased materials | recycled content | sourcing of raw materials | material ingredient reporting | low emitting/materials | lighting quality | acoustics

Dots represent high level of performance.

▲ LOCATION DEPENDENT

▲ WITH INFILL PANEL

VISUAL SELECTION

Edge Profile	Item No. ◆	Dimensions Nominal W x L x H (Inches) *Custom Sizes Available*	Fire Rating**
METALWORKS™ 3D Tegular			
9/16" Square Tegular (dimension varies)	7220_ _ _ _ _	24 x 24 x 5/16" Down Tegular ☐	Class A / Class B
	7220UP1_ _ _ _ _	24 x 24 x 1" Up Tegular ☐	
	7220DN1_ _ _ _ _	24 x 24 x 1" Down Tegular ☐	
	7220UP2_ _ _ _ _	24 x 24 x 2" Up Tegular ☐	Class A / Class B
	7220DN2_ _ _ _ _	24 x 24 x 2" Down Tegular ☐	
	7220UP3_ _ _ _ _	24 x 24 x 3" Up Tegular ☐	
	7220DN3_ _ _ _ _	24 x 24 x 3" Down Tegular ☐	Class A / Class B
	7220UP4_ _ _ _ _	24 x 24 x 4" Up Tegular ☐	
	7220DN4_ _ _ _ _	24 x 24 x 4" Down Tegular ☐	

PERFORMANCE

	Light Reflect* (White Only)	Wash	Scrub	Impact	Soil
		Durability			
7220	0.77	•	•	•	•
7220UP2/DN2	0.77	•	•	•	•
7220DN3	0.77	•	•	•	•

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

ACOUSTICAL INFORMATION

Performance determined by perforation size

Perforation	Infill Panel Item Number	NRC +	CAC =	Total Acoustics[1] NRC + CAC
M15 Rd1612	8200100	0.90 •	N/A	–
	5823	0.90 •	N/A	–
	1713	0.70 •	37 •	BETTER 〰
	2820	0.80 •	35 •	BEST 〰

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+)
BETTER (NRC 0.70-0.75; CAC 35+)
BEST (NRC 0.80+; CAC 35+)
For perforation % open area, refer to Pg. 118.
For infill panel information, refer to Pg. 156.

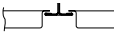## TOTAL ACOUSTICS® PANEL INSTALLATION

MetalWorks™ 3D ceiling panel with School Zone® Fine Fissured™ 1713 acoustic infill panel for Total Acoustics® performance

ACCESSORIES

Item No.	Description	Dimensions Nominal W x L x H (Inches)	Color	Pieces/Carton
8200100	1" Fiberglass Infill Panel	24 x 24 x 1"	Black	12
5823	BioAcoustic™ Infill Panel	24 x 24 x 5/8"	Black-Matte	12
1713	School Zone® Fine Fissured™ Square Lay-in Acoustic Panel	24 x 24 x 3/4"	White	14
2820	Calla® Square Lay-in Acoustic Panel	24 x 24 x 1"	White	10

SUSPENSION SYSTEMS

9/16"

Suprafine® XL®

Coordinating suspension systems and Axiom® trim available for painted colors.
Black suspension and Axiom trim are suggested for Reflections™ wood looks finish.
Consult armstrongceilings.com for full suspension and trim selections.

PHYSICAL DATA

Material
Aluminum – thickness 0.040"

Surface Finish
Reflections™ laminate finishes: Vinyl-faced membrane
Painted finishes: Factory-applied polyester paint
Custom colors also available.

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 (laminate)
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
Details at armstrongceilings.com

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
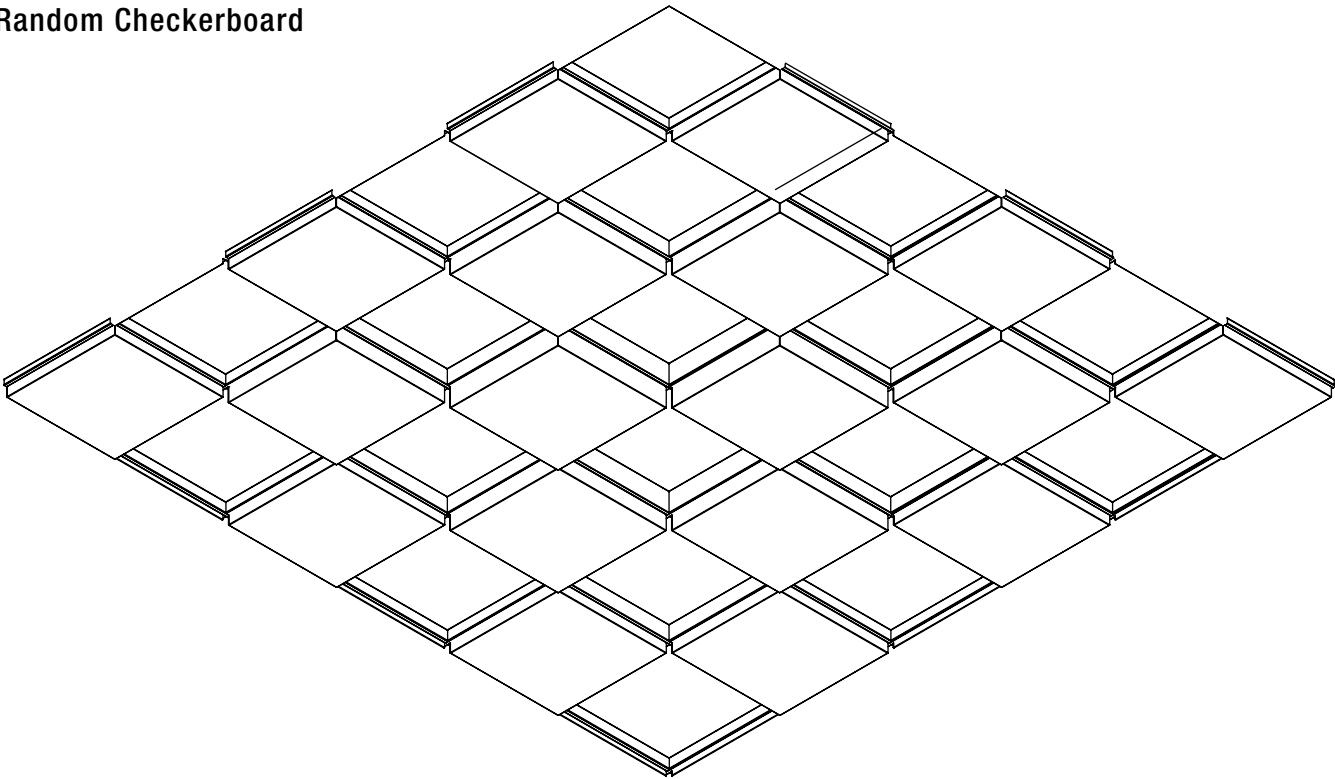7220UP4 – 1.00 lbs/SF
7220DN4 – 1.00 lbs/SF

METALWORKS™

3

METALWORKS™ 3D

Tegular
smooth texture

DESIGN IDEAS

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

METALWORKS™ 3D

Tegular
smooth texture

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

Reference Point
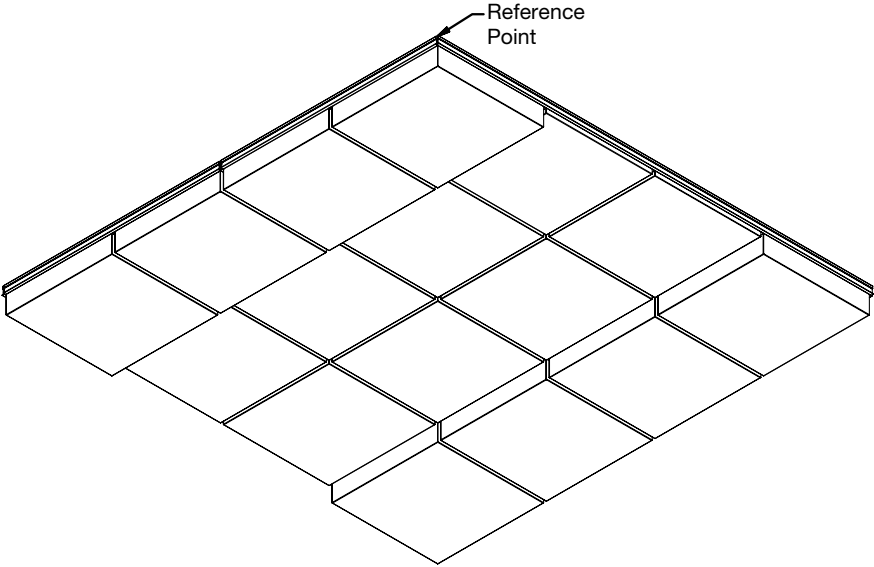
Checkerboard Up

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

Reference Point

5
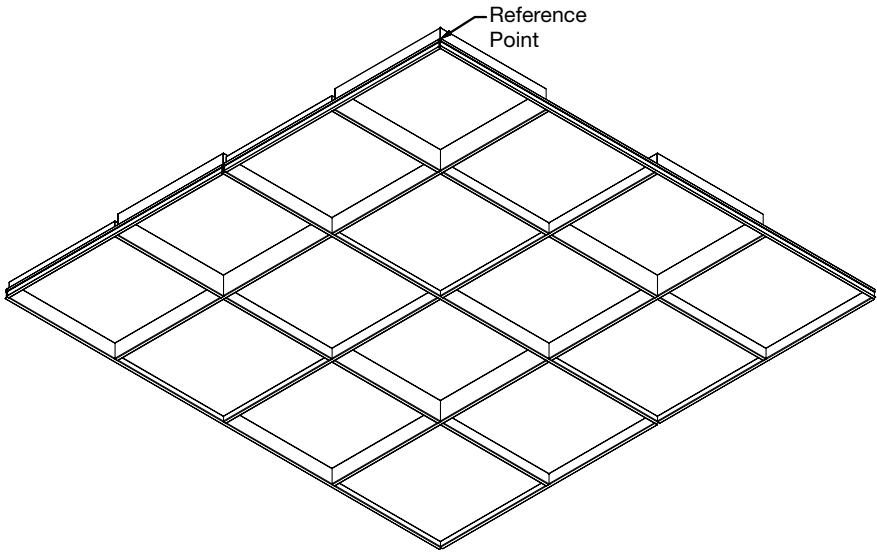
Checkerboard Down

Reference
Point

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
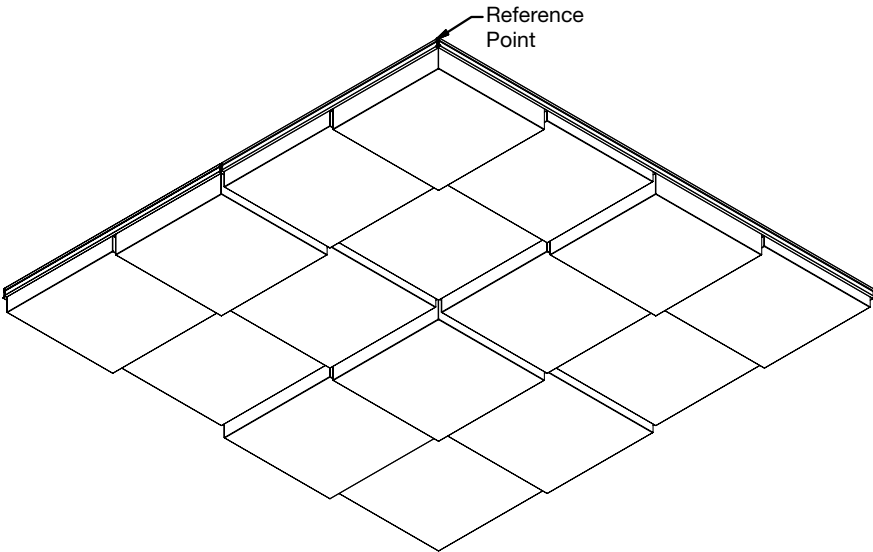
Checkerboard 1 & 4 Up

Reference
Point

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
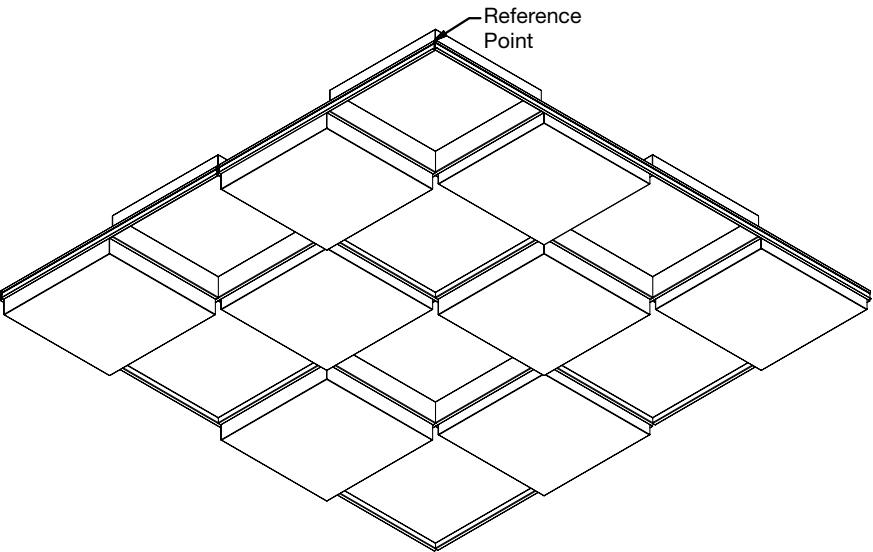
METALWORKS™ 3D

Tegular
smooth texture

Checkerboard 2 & 3 Up

Reference
Point

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
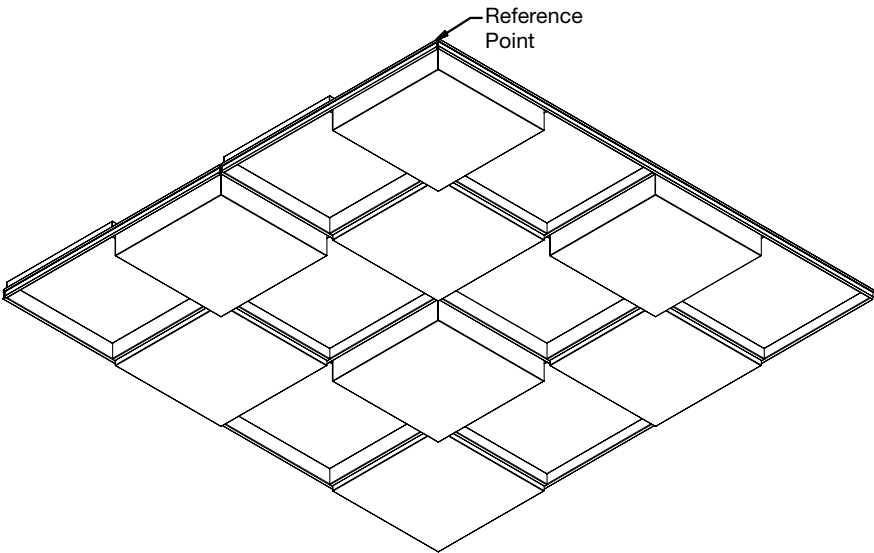
Wave Single

Reference
Point

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
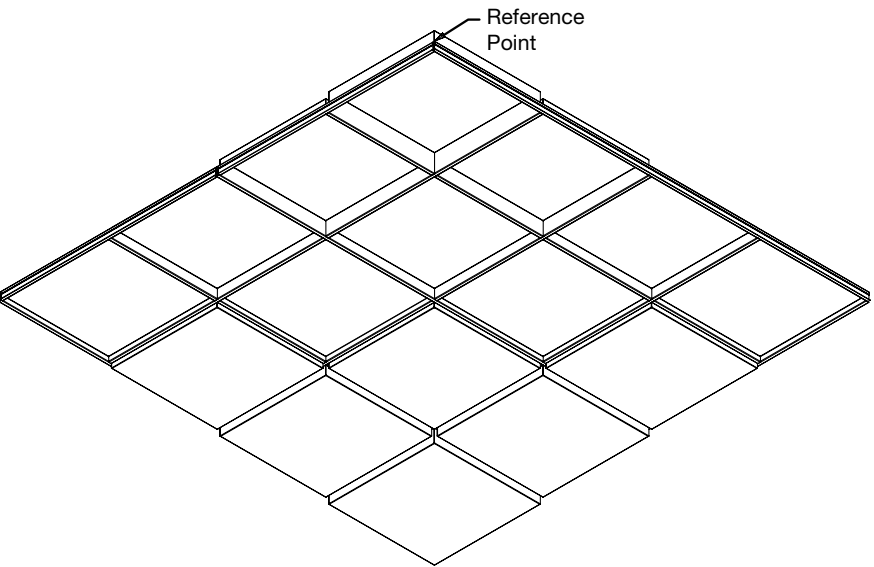
Wave Double

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

Reference Point

Reference Point

To create this design, you will need to order:

Item #	Pieces
7220UP1	6
7220DN1	4
7220UP2	4
7220UP4	2
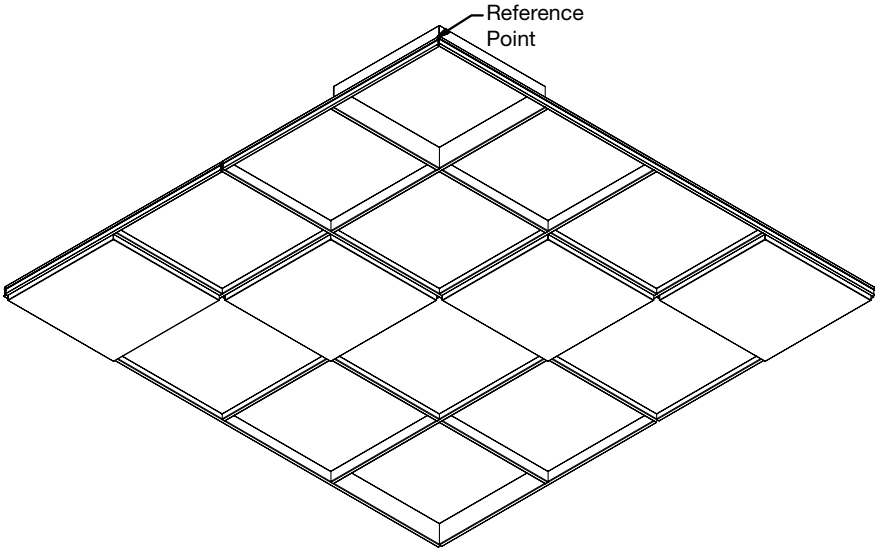
Linear Single Up

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

Reference Point

Reference Point

To create this design, you will need to order:

Item #	Pieces
7220UP3	8
7220UP4	8
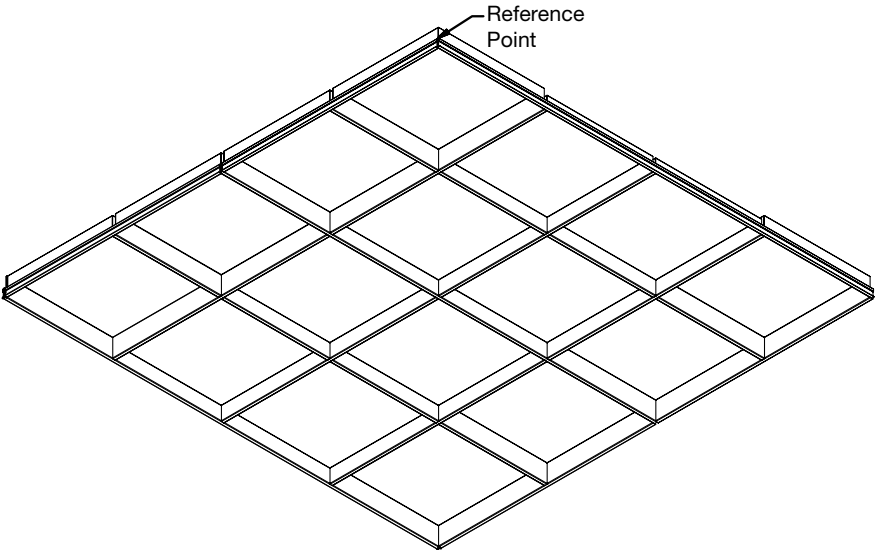
METALWORKS™ 3D
Tegular
smooth texture

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
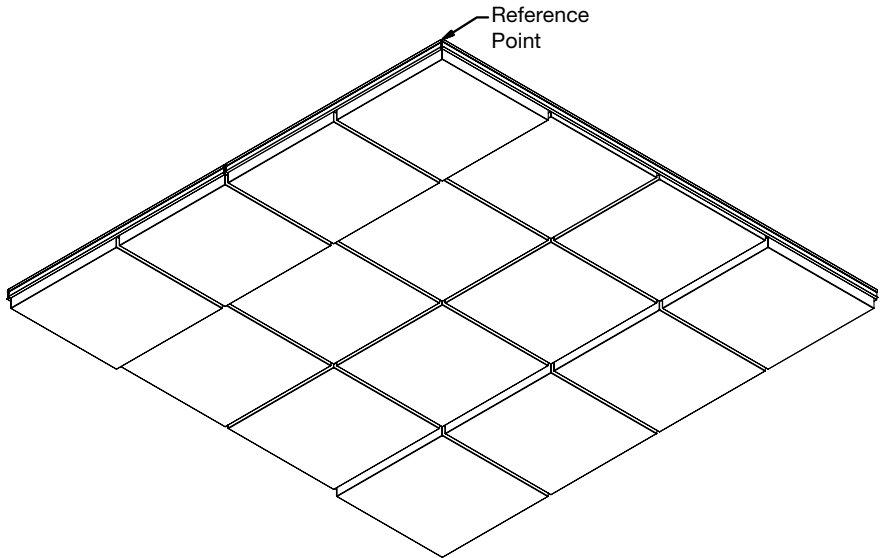
Reference
Point

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

Reference
Point
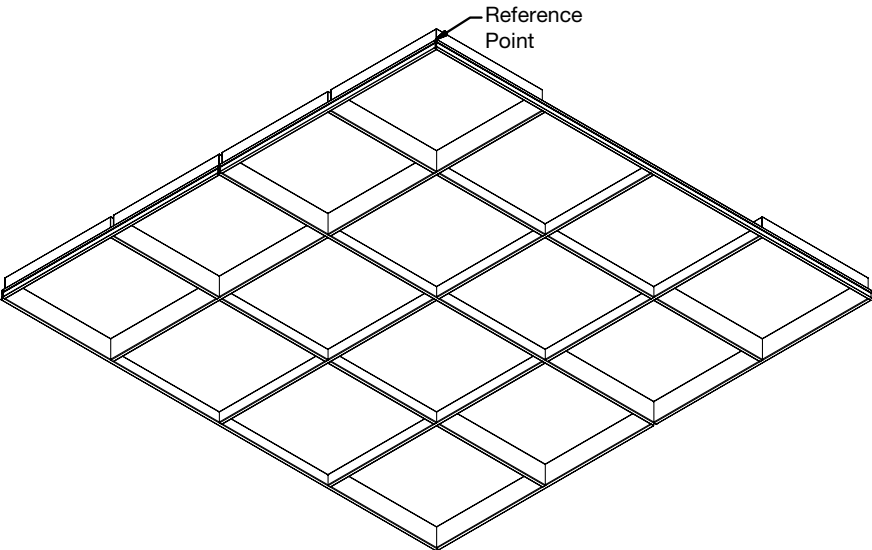
Linear Double Down

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

Reference Point
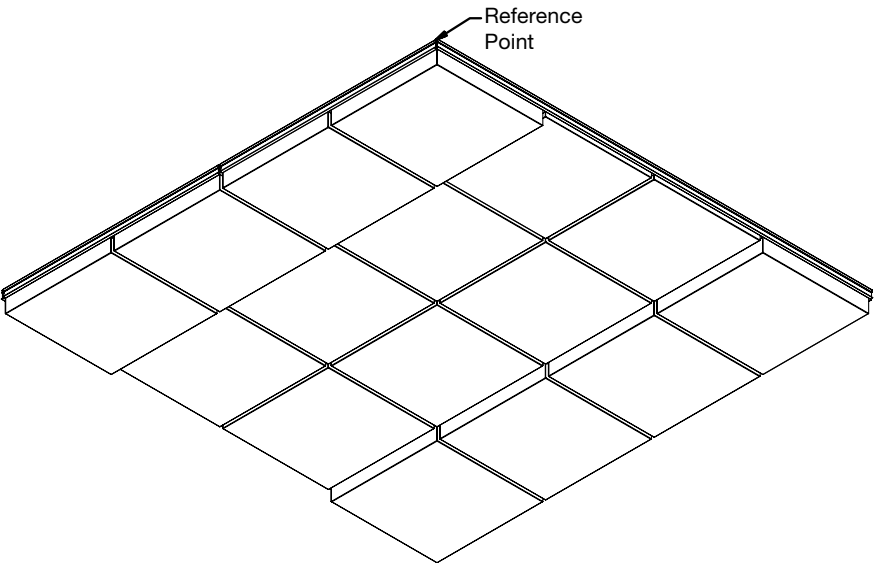
Linear Triple Up

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

Reference Point
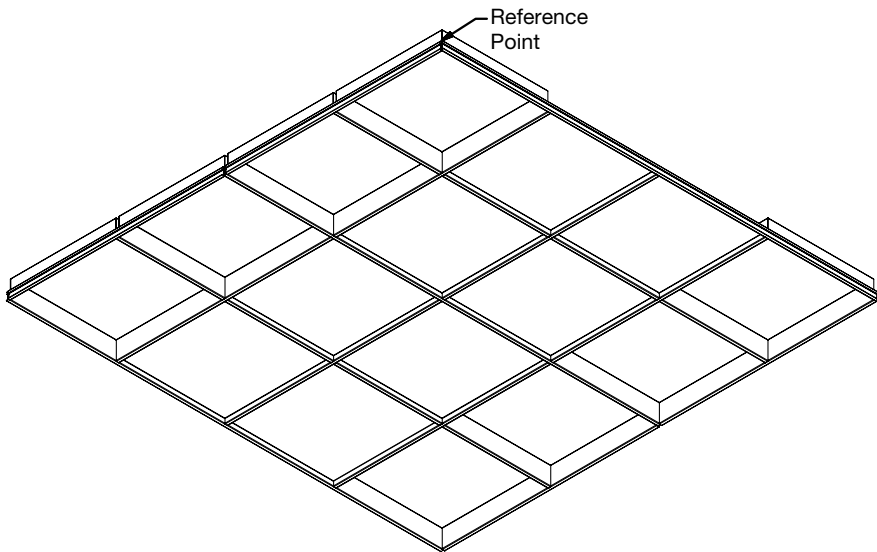
METALWORKS™ 3D

Tegular
smooth texture

DESIGN IDEAS

Linear Straight All Up

Reference
Point

To create this design, you
will need to order:

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

Reference
Point
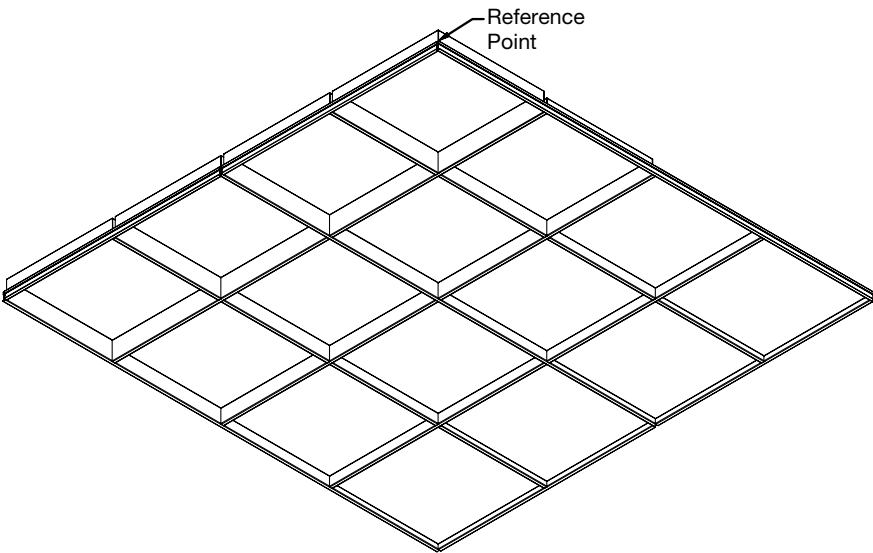
Linear Straight All Down

Reference
Point

To create this design, you
will need to order:

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

Reference
Point

11
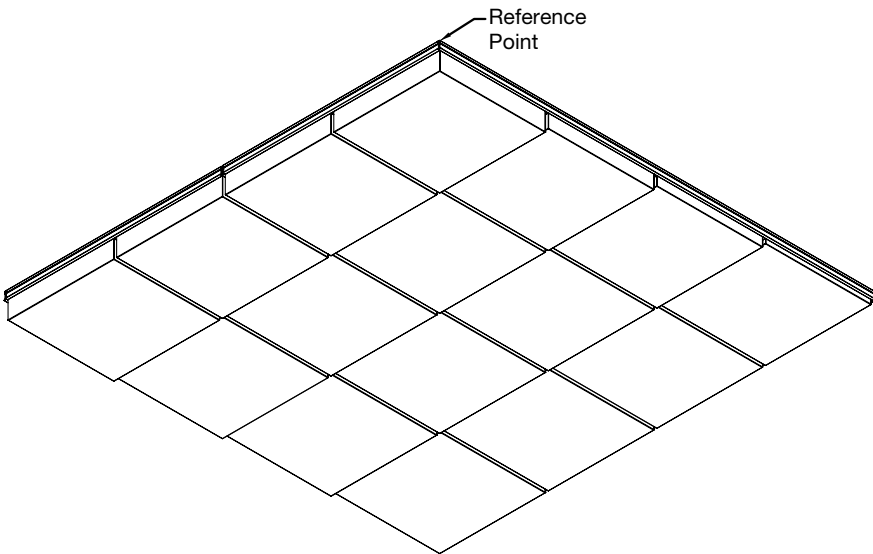
TAKE THE NEXT STEP

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and premium products

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Contractor installation assistance

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helping to bring your one-of-a-kind ideas to life

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