

# Technical Data Sheet



## BAC LAY-IN

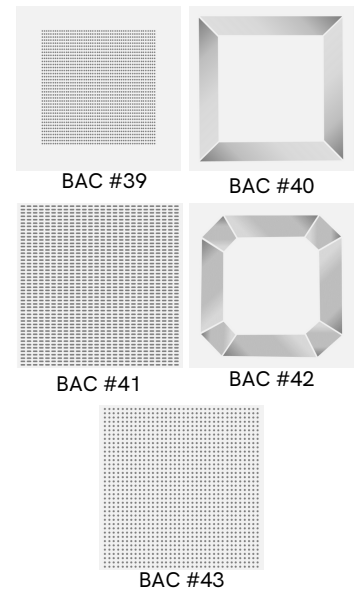


This product has the following subscriptions:



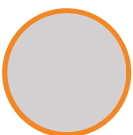
Characteristic	Technical Data
Dimensions	24" x 24" 24" x 48"
Edge Profile	LAY-IN
Perforation Design	Pattern BAC #43
Shape	Panel
Noise Reduction Coefficient (NRC)	Perforated 0.75 Non-Perforated 0.10
Fire Resistance / Flame Spread	Class A
Light Reflective	0.83
Ceiling Attenuation Class (CAC)	Up to 40
Microbial & Humidity Resistance (RH)	Very High
Durability	Impact resistance
Maintainability	Washable / Scrubbable
Pattern	Perforated & Non-Perforated
Surface Finish	Polyester Powder Paint
ASTM Classification	Type III

### TILE PATTERNS



Standard color:

Specialty colors:



black

grey

white

mahogany

light

oak

walnut

Specialty colors are subject to a 5,000 square foot minimum purchase. They have no guarantee on color.

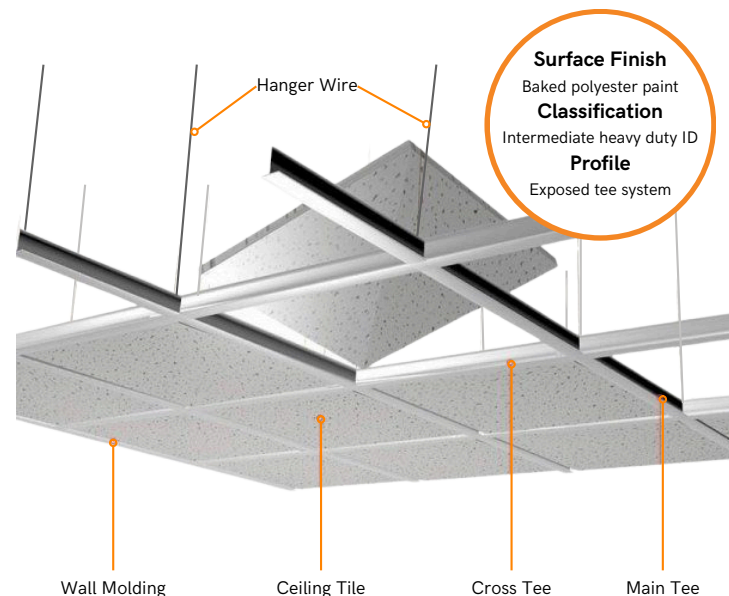
and more...

# Suspension System (15/16")

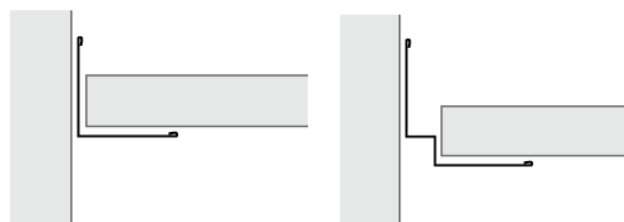
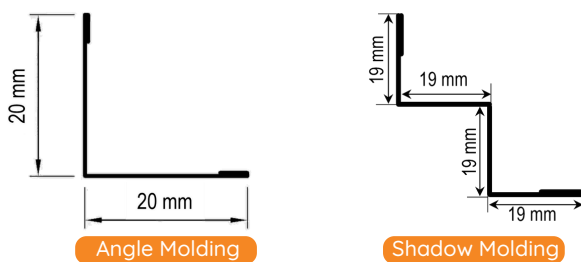
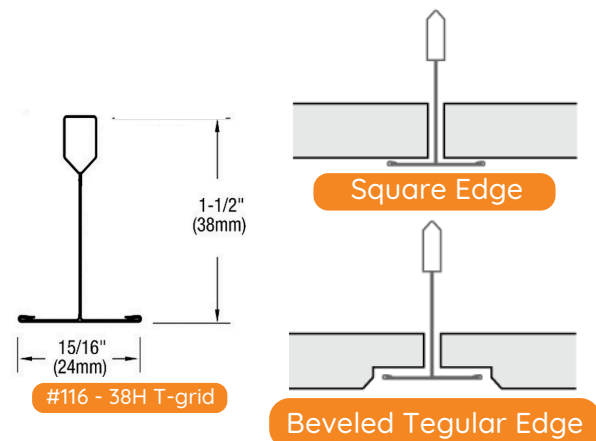


## BENEFITS:

- Hot dipped galvanized coating inhibits red rusting better than electrogalvanized.
- System is engineered and designed to fit and provide high quality finish.
- Main Tee easy profile for installation with Cross Tee.
- Increased strength and stability for improved performance.
- Easy to cut.
- Rotary stitched for additional torsional strength and extra stability during installation.
- Faster and easier insertion/installation of cross tees.
- Tighter tee to tee connection.
- Better load carrying capability.



Code	Type	Dimension
#116-38H T-grid (15/16 SYSTEM)	Main T	1 ½" x 15/16" x 144"
	Cross T	1 ½" x 15/16" x 24" 1 ½" x 15/16" x 48"
#116-38H T-grid (9/16 SYSTEM)	Main T	1 ½" x 9/16" x 144"
	Cross T	1 ½" x 9/16" x 24" 1 ½" x 9/16" x 48"
Wall Molding	L shape	25/32" x 25/32" x 142"



## COLOR CHART



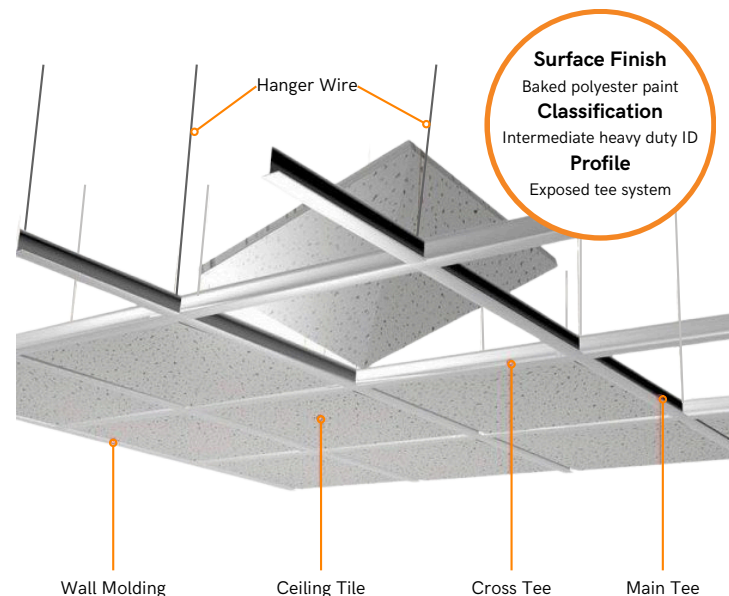
PHYSICAL DATA	
Type	38 H – Heavy Duty Suspension System
Intended use	As a support system in conjunction with various types of Benner Ceiling Tiles and other brands.
End detail	Main tee (12' / HD) Cross Tee (2' / 4' / HD) Wall Angle (HD)
Seismic performance	Compression / tension Main beam – 365 / 7 Cross Tee – 299 / 5
Materials	Components in general galvanized steel cap Fire rated commercial conditions Hot – dipped galvanized steel body
Requirements	Meets with all international code including seismic. Complies with ASTM C635
Application	Applicable to various types of buildings and/or mayor brand ceiling tiles

# Suspension System (9/16")

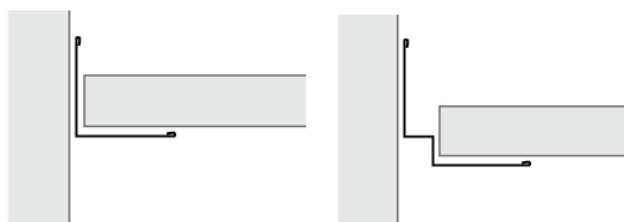
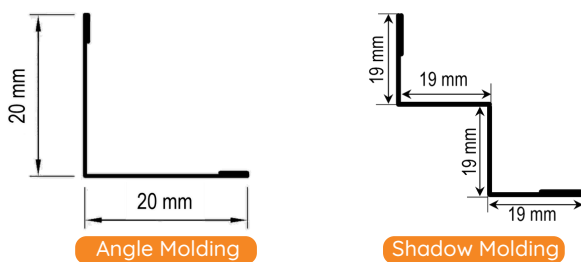
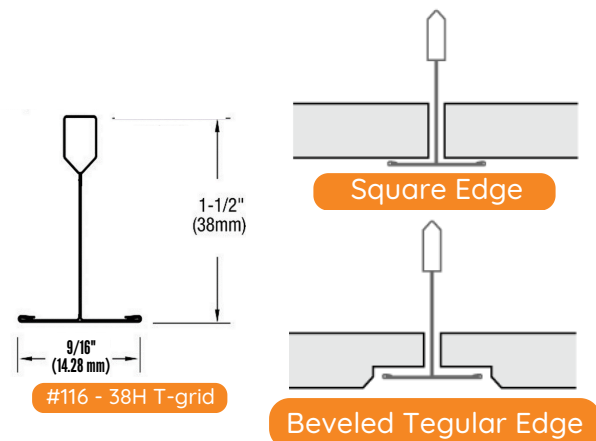


## BENEFITS:

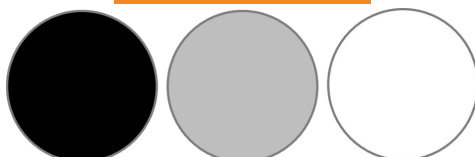
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- System is engineered and designed to fit and provide high quality finish.
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- Easy to cut.
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Code	Type	Dimension
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	Cross T	1 ½" x 9/16" x 24" 1 ½" x 9/16" x 48"
Wall Molding	L shape	25/32" x 25/32" x 142"



## COLOR CHART



PHYSICAL DATA	
Type	38 H – Heavy Duty Suspension System
Intended use	As a support system in conjunction with various types of Benner Ceiling Tiles and other brands.
End detail	Main tee (12' / HD) Cross Tee (2' / 4' / HD) Wall Angle (HD)
Seismic performance	Compression / tension Main beam – 365 / 7 Cross Tee – 299 / 5
Materials	Components in general galvanized steel cap Fire rated commercial conditions Hot – dipped galvanized steel body
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Application	Applicable to various types of buildings and/or mayor brand ceiling tiles

# Technical Data Sheet

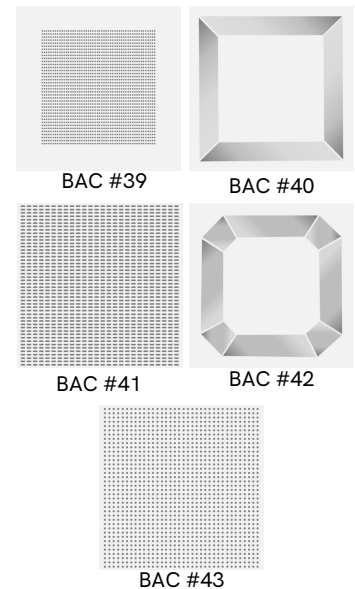


## BAC CLIP-IN



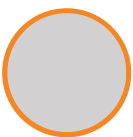
Characteristic	Technical Data
Dimensions	24" x 24" 24" x 48"
Edge Profile	Square
Perforation Design	Pattern BAC #43
Shape	Panel
Noise Reduction Coefficient (NRC)	Perforated 0.75 Non-Perforated 0.10
Fire Resistance / Flame Spread	Class A
Light Reflective	0.83
Ceiling Attenuation Class (CAC)	Up to 40
Microbial & Humidity Resistance (RH)	Very High
Durability	Impact resistance
Maintainability	Washable / Scrubbable
Pattern	Perforated & Non-Perforated
Surface Finish	Polyester Powder Paint
ASTM Classification	Type III

### TILE PATTERNS



Standard color:

Specialty colors:



black

grey

white

mahogany

light

oak

walnut

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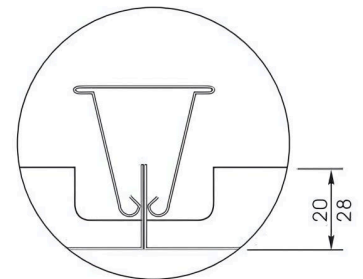
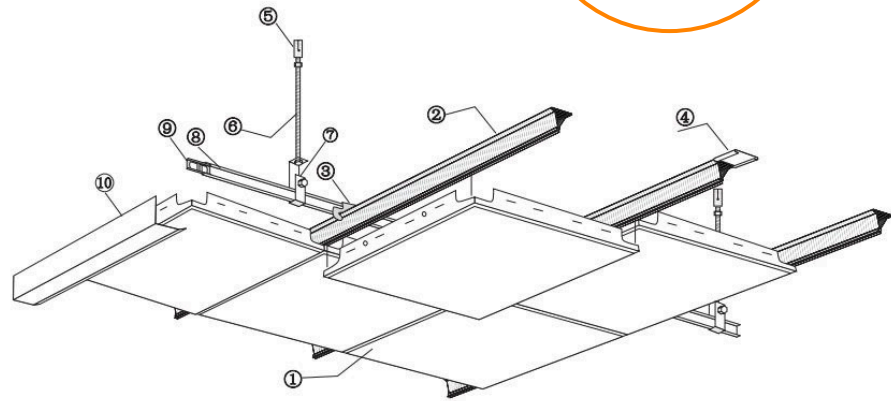
and more...

# Suspension System CLIP-IN



## BENEFITS:

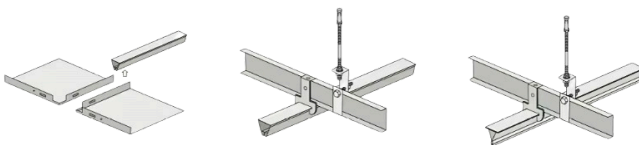
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- Tighter tee to tee connection.
- Better load carrying capability.



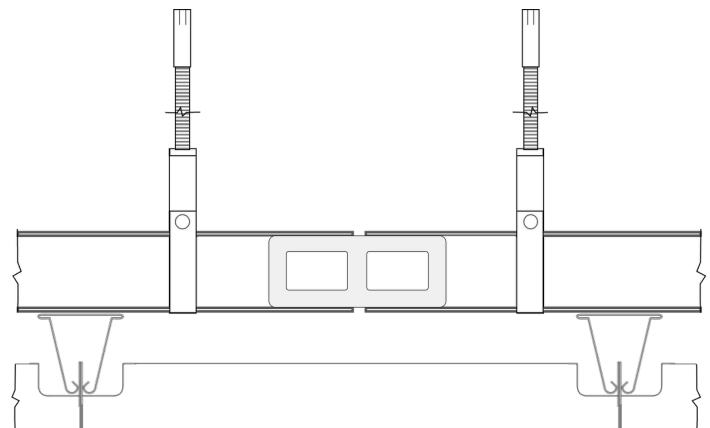
Ceiling Cross-section

Code	Type	Dimension
BAC 45	38# GA.20 Rolled Channel	1 ½" x 144"
	Tee Carrier	1 ½" x 120"
Wall Molding	L shape	7/8" x 7/8" x 142"

Keel assembly diagram



Triangular keel connection diagram



- |                                                                                                                                                     |                                                                                                                                            |                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| <p>1 Closed frame ceiling</p> <p>2 Spring tee runner</p> <p>3 Spring tee runner suspension bracket</p> <p>4 Spring tee runner carrier connector</p> | <p>5 Expansion screw (opt)</p> <p>6 Suspension bolt (opt)</p> <p>7 38# Main carrier suspension bracket</p> <p>8 38# Main carrier (opt)</p> | <p>9 38# main carrier (opt)</p> <p>10 L-shape angle (opt)</p> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|

## COLOR CHART



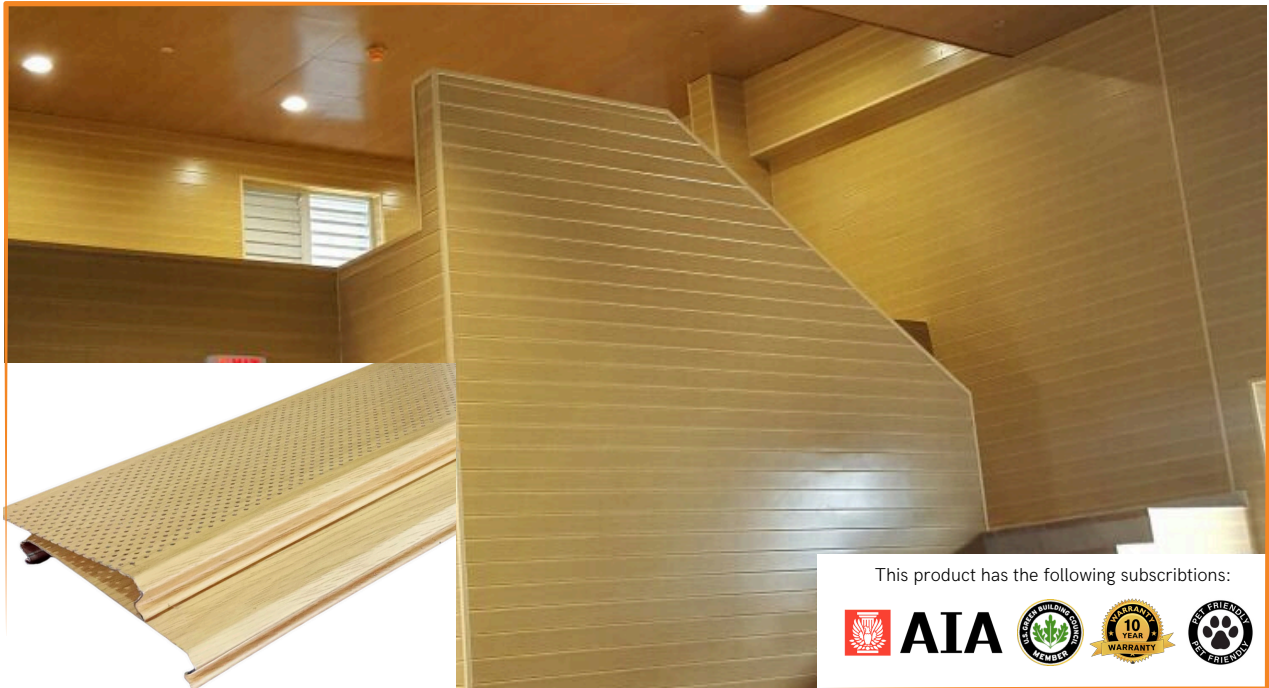
## PHYSICAL DATA

Type	38 H – Heavy Duty Suspension System
Intended use	As a support system in conjunction with various types of Benner Ceiling Tiles and other brands.
End detail	Main tee (12' / HD) Cross Tee (2' / 4' / HD) Wall Angle (HD)
Seismic performance	Compression / tension Main beam – 365 / 7 Cross Tee – 299 / 5
Materials	Components in general galvanized steel cap Fire rated commercial conditions Hot – dipped galvanized steel body
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Application	Applicable to various types of buildings and/or mayor brand ceiling tiles

## Technical Data Sheet



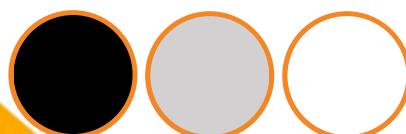
# BAC LINEAR C-SHAPE



Characteristic	Technical Data
Dimensions	4" x 144" 6" x 144" 8" x 144"
Edge Profile	Shaped
Perforation Design	Pattern BAC #43
Shape	Linear Panel
Noise Reduction Coefficient (NRC)	Perforated 0.75 Non-Perforated 0.10
Fire Resistance / Flame Spread	Class A
Light Reflective	0.83
Ceiling Attenuation Class (CAC)	Up to 40
Microbial & Humidity Resistance (RH)	Very High
Durability	Impact resistance
Maintainability	Washable / Scrubbable
Pattern	Perforated & Non-Perforated
Surface Finish	Polyester Powder Paint
ASTM Classification	Type III



Standard color:



black

grey

white

Specialty colors:



mahogany

light

oak

walnut

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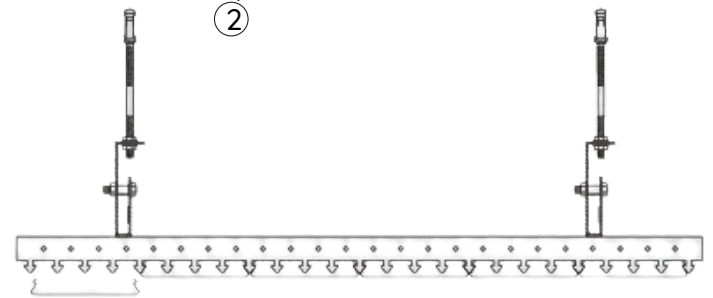
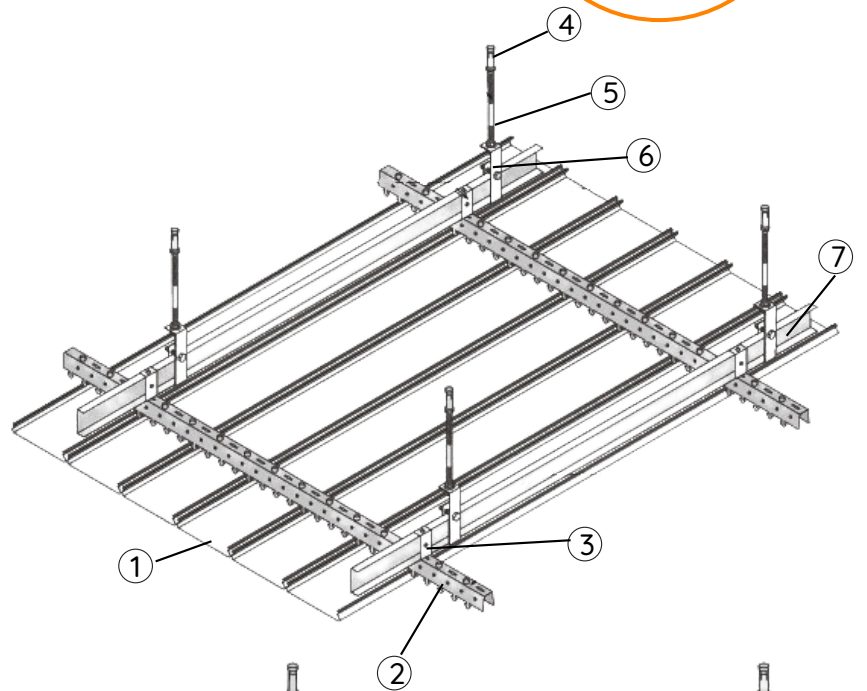
and more...

# Suspension System C-Shape



## BENEFITS:

- Hot dipped galvanized coating inhibits red rusting better than electrogalvanized.
- System is engineered and designed to fit and provide high quality finish.
- Main Tee easy profile for installation with Cross Tee.
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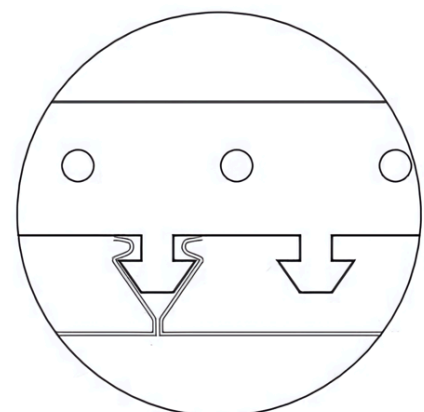
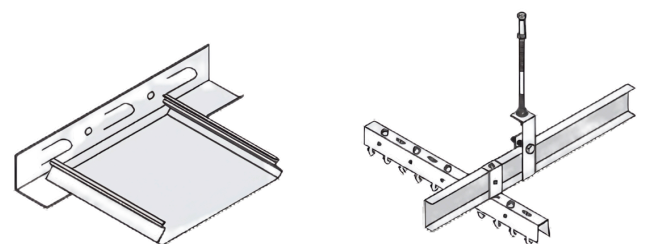
The Drawing of Installation of Wall Edge Corner

The Drawing of Installation of C-shaped Strip Carrier

Code	Type	Dimension
BAC 48	38# GA.20 Rolled Channel	1 ½" x 144"
	CS Panel Carrier	1 ½" x 120"
Wall Molding	L shape	7/8" x 7/8" x 142"

- |                                                                                                                                 |                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>1</b> C-shape stripe panel</p> <p><b>2</b> Panel carrier</p> <p><b>3</b> Hanger</p> <p><b>4</b> Expansion screw (opt)</p> | <p><b>5</b> Suspension bolt (opt)</p> <p><b>6</b> 38# Main carrier suspension bracket</p> <p><b>7</b> 38# Main carrier (opt)</p> <p><b>8</b> L-shape angle (opt)</p> |
|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## COLOR CHART



Ceiling Cross-section

## Technical Data Sheet



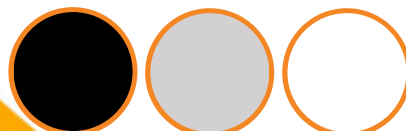
# BAC LINEAR G-SHAPE



Characteristic	Technical Data
Dimensions	4" x 144" 6" x 144" 8" x 144"
Edge Profile	G-SHAPE
Perforation Design	Pattern BAC #43
Shape	Linear Panel
Noise Reduction Coefficient (NRC)	Perforated 0.75 Non-Perforated 0.10
Fire Resistance / Flame Spread	Class A
Light Reflective	0.83
Ceiling Attenuation Class (CAC)	Up to 40
Microbial & Humidity Resistance (RH)	Very High
Durability	Impact resistance
Maintainability	Washable / Scrubbable
Pattern	Perforated & Non-Perforated
Surface Finish	Polyester Powder Paint
ASTM Classification	Type III



Standard color:



black

grey

white

Specialty colors:



mahogany

light

oak

walnut

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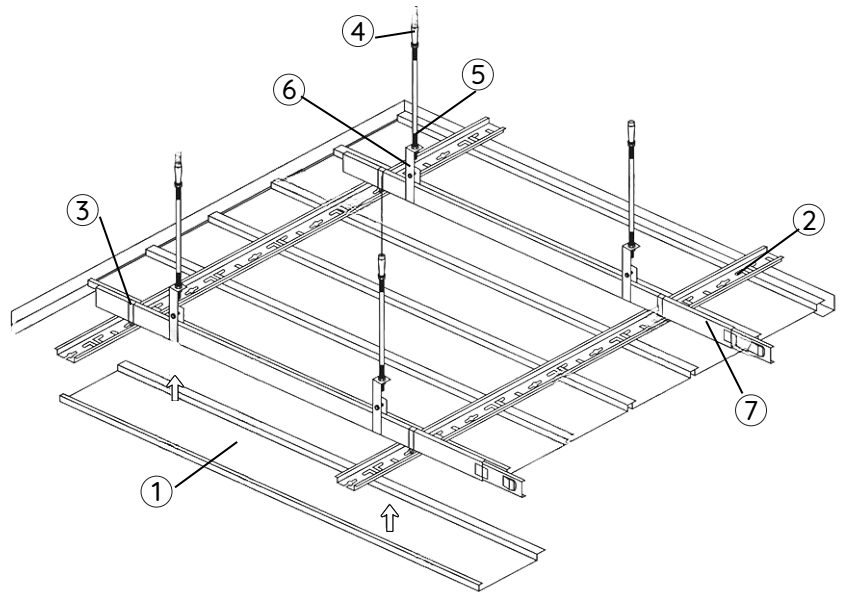
and more...

# Suspension System G-Shape

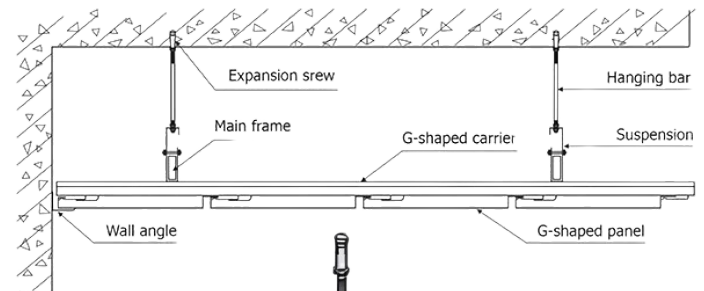


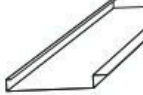

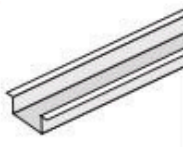
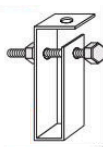

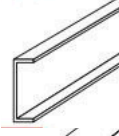


## BENEFITS:

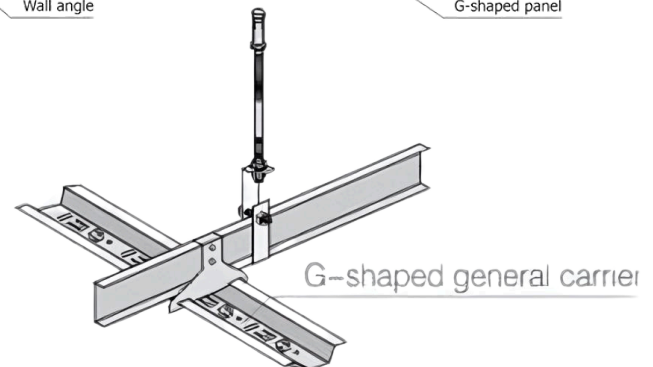
- Hot dipped galvanized coating inhibits red rusting better than electrogalvanized.
- System is engineered and designed to fit and provide high quality finish.
- Main Tee easy profile for installation with Cross Tee.
- Increased strength and stability for improved performance.
- Easy to cut.
- Rotary stitched for additional torsional strength and extra stability during installation.
- Faster and easier insertion/installation of cross tees.
- Tighter tee to tee connection.
- Better load carrying capability.



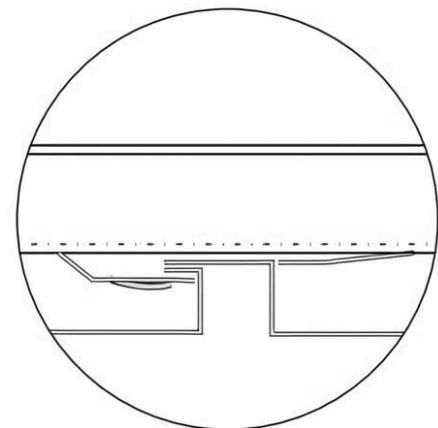
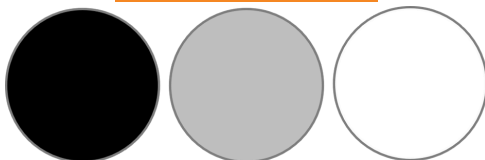
Code	Type	Dimension
<b>BAC 50</b>	<b>38# GA.20 Rolled Channel</b>	<b>1 ½" x 144"</b>
	<b>GS Panel Carrier</b>	<b>1 ½" x 120"</b>
<b>Wall Molding</b>	<b>L shape</b>	<b>7/8" x 7/8" x 142"</b>



- |                                |                                                                                     |                                              |                                                                                     |
|--------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------------------------|
| <b>1</b> C-shape stripe panel  |  | <b>5</b> Suspension bolt (opt)               |  |
| <b>2</b> Panel carrier         |  | <b>6</b> 38# Main carrier suspension bracket |  |
| <b>3</b> Hanger                |  | <b>7</b> 38# Main carrier (opt)              |  |
| <b>4</b> Expansion screw (opt) |  | <b>8</b> L-shape angle (opt)                 |  |



## COLOR CHART



Ceiling Cross-section

## Technical Data Sheet



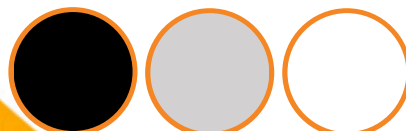
# BAC LINEAR C & V



Characteristic	Technical Data
Dimensions	4" x 144" 6" x 144" 8" x 144"
Edge Profile	G-SHAPE
Perforation Design	Pattern BAC #43
Shape	Linear Panel
Noise Reduction Coefficient (NRC)	Perforated 0.75 Non-Perforated 0.10
Fire Resistance / Flame Spread	Class A
Light Reflective	0.83
Ceiling Attenuation Class (CAC)	Up to 40
Microbial & Humidity Resistance (RH)	Very High
Durability	Impact resistance
Maintainability	Washable / Scrubbable
Pattern	Perforated & Non-Perforated
Surface Finish	Polyester Powder Paint
ASTM Classification	Type III



Standard color:



black

grey

white

Specialty colors:



mahogany

light

oak

walnut

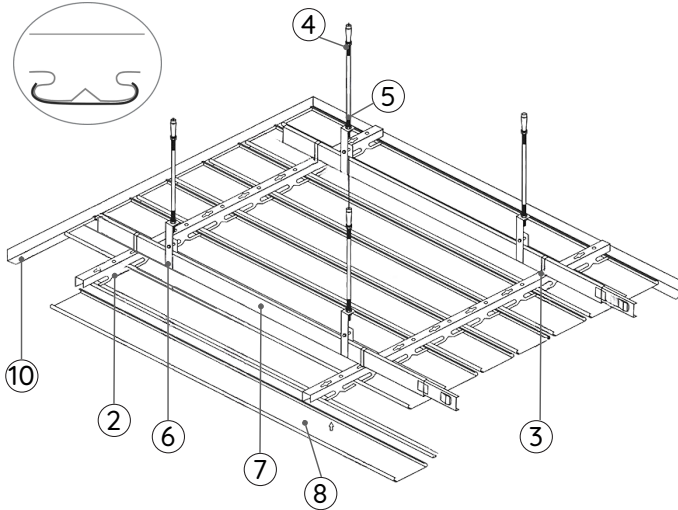
Specialty colors are subject to a 5,000 square foot minimum purchase. They have no guarantee on color.

and more...

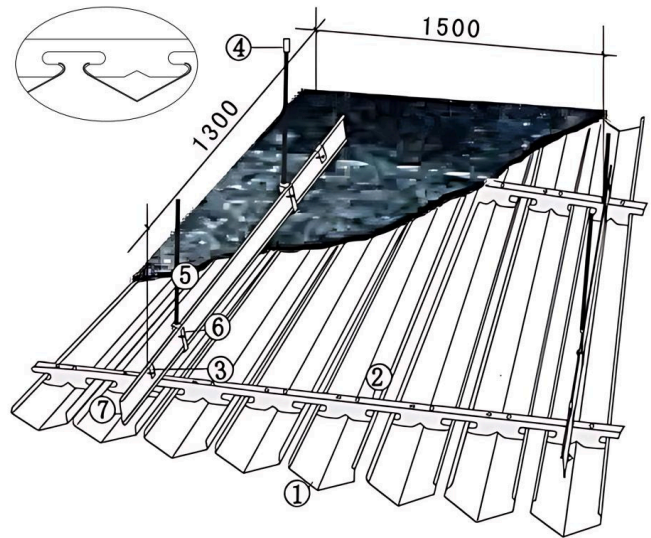
# Suspension System C85/V85



## BAC LINEAR C-85



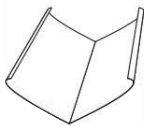
## BAC LINEAR V-85



Code	Type	Dimension
C-85	38# GA.20 Rolled Channel	1 ½" x 144"
	G85 Panel Carrier	1 ½" x 120"
Wall Molding	L shape	7/8" x 7/8" x 142"

Code	Type	Dimension
V-85	38# GA.20 Rolled Channel	1 ½" x 144"
	V85 Panel Carrier	1 ½" x 120"
Wall Molding	L shape	7/8" x 7/8" x 142"

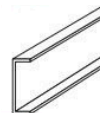
1 V-shape stripe panel



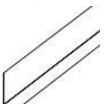
4 Expansion screw (opt)



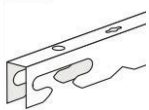
7 38# Main carrier (opt)



10 L-shape angle (opt)



2 Panel carrier



5 Suspension bolt (opt)



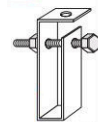
8 C-shape stripe panel



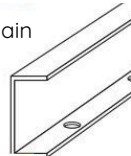
3 Hanger



6 38# Main carrier suspension bracket



9 38B# Main carrier



COLOR CHART



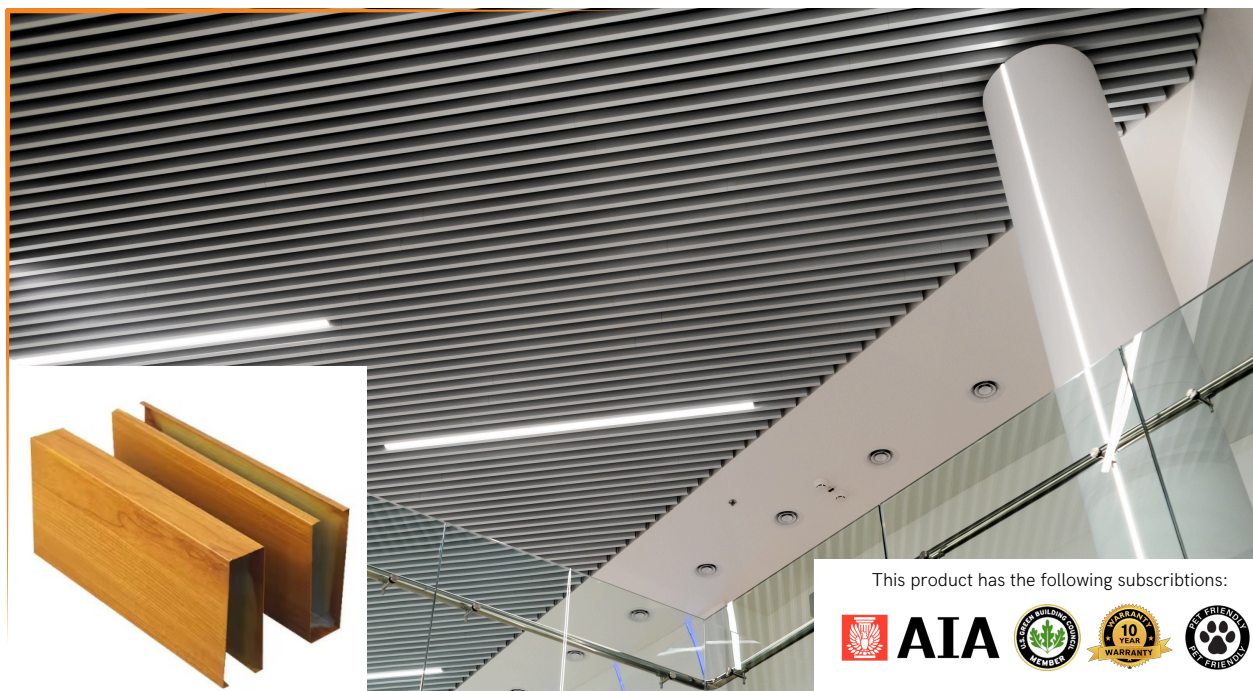
### BENEFITS:

- Hot dipped galvanized coating inhibits red rusting better than electrogalvanized.
- System is engineered and designed to fit and provide high quality finish.
- Main Tee easy profile for installation with Cross Tee.
- Increased strength and stability for improved performance.
- Easy to cut.
- Rotary stitched for additional torsional strength and extra stability during installation.
- Faster and easier insertion/installation of cross tees.
- Tighter tee to tee connection.
- Better load carrying capability.

## Technical Data Sheet



# BAC LINEAR ALU-BAFFLE



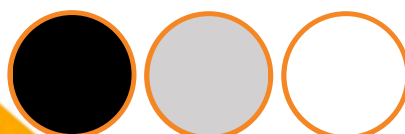
This product has the following subscriptions:



Characteristics	Technical Data
Surface texture	Smooth
Composition	Aluminum
Surface Finished	Polyester powder paint
Shape	Linear baffle panel
Sizes Options	See size options chart *
Edge Profile	Shaped
Suspension System approved for this model	38# GA - HD Alu-Baffle System
Durability	Impact resistance
Noise Reduction Coefficient (NRC) – ASTM C423	Non-Perforated 0.10
Acoustic Composition	Soundtex Tissue
Ceiling Attenuation Class (CAC) – ASTM 1414 / Classified with UL label	Up to 40
Fire resistance – ASTM E84 / Flame Spread – ASTM E1264 (In compliance with CE / EN 13964)	Class A
Light Reflectance	0.83
Humidity Resistance (HR)	Highly Resistant
Microbial Resistance (MR) – ASTM D6329	Highly Resistant
Air Quality Standards – ASTM D5116	Highest Air Quality
ASTM Classification	Type III
Environmental Responsibility	High recycled content
Colors Options	Standard: White, Grey, Black
Specialty Color Available	Wood finished options
Maintainability	Washable / Scrubbable



Standard color:



black

grey

white

Specialty colors:



mahogany

light

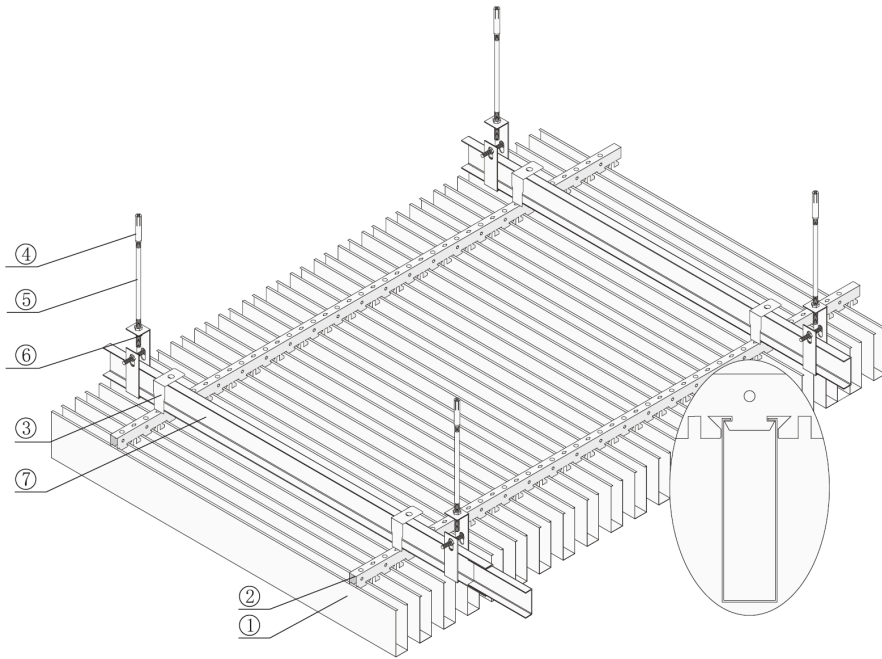
oak

walnut

Specialty colors are subject to a 5,000 square foot minimum purchase. They have no guarantee on color.

and more...

# Suspension System Alu-Baffle



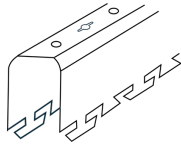
## SUSPENSION SYSTEM BENEFITS:

- Hot dipped galvanized coating inhibits red rusting better than electrogalvanized.
- System is engineered and designed to fit and provide high quality finish.
- Main Tee easy profile for installation with Cross Tee.
- Increased strength and stability for improved performance.
- Easy to cut.
- Rotary stitched for additional torsional strength and extra stability during installation.
- Faster and easier insertion/installation of cross tees.
- Tighter tee to tee connection.
- Better load carrying capability.

**1** Square Groove Linear Panel



**2** Panel carrier



**3** Hanger



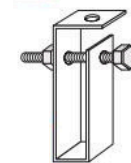
**4** Expansion screw (opt)



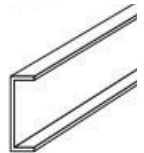
**5** Suspension bolt (opt)



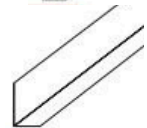
**6** 38# Main carrier suspension bracket



**7** 38# Main carrier (opt)



**8** L-shape angle (opt)



## COLOR CHART



## Alu-Baffle Size Options Chart:

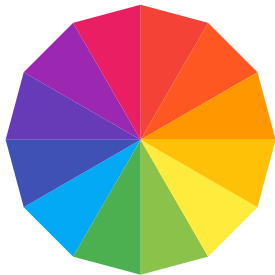
Name	Width x Height	Length	Other available Heights:	
Alu-Baffle 25	25 x 50mm (0.98" x 1.97")	1000 mm (3.28") 3000 mm (9.84")	60 mm (2.36")	100 mm (3.94")
			70 mm (2.76")	110 mm (4.33")
			80 mm (3.15")	120 mm (4.72")
			90 mm (3.54")	
Alu-Baffle 30	30 x 39 mm (1.18" x 1.54")	1000 mm (3.28") 3000 mm (9.84")	45 mm (1.77")	90 mm (3.54")
			60 mm (2.36")	100 mm (3.94")
			80 mm (3.15")	
Alu-Baffle 40	40 x 50 mm (1.57" x 1.97")	1000 mm (3.28") 3000 mm (9.84")	60 mm (2.36")	100 mm (3.94")
			70 mm (2.76")	110 mm (4.33")
			80 mm (3.15")	120 mm (4.72")
			90 mm (3.54")	
Alu-Baffle 50	50 x 50 mm (1.97" x 1.97")	1000 mm (3.28") 3000 mm (9.84")	60 mm (2.36")	100 mm (3.94")
			70 mm (2.76")	110 mm (4.33")
			80 mm (3.15")	120 mm (4.72")
			90 mm (3.54")	
Alu-Baffle 100	100 x 100 mm (3.94" x 3.94")	1000 mm (3.28") 3000 mm (9.84")	60 mm (2.36")	100 mm (3.94")
			70 mm (2.76")	110 mm (4.33")
			80 mm (3.15")	120 mm (4.72")
			90 mm (3.54")	

# COLOR CHART - ALUMINUM TILES



Specialty colors:

Painted:



Specialty colors are subject to a 5,000 square foot minimum purchase.

Wood finish:

