



METALWORKS™ Concealed
Smooth Texture

Inspiring Great Spaces™

Armstrong®
CEILING & WALL SYSTEMS

METALWORKS™ Concealed

smooth texture



MetalWorks™ Concealed 48" x 96" panels in Silver Grey

Large-size panels with concealed suspension are 100% accessible.

KEY SELECTION ATTRIBUTES

- Narrow 1/4" reveal offers clean, monolithic look
- Hook-on panels provide safe and secure downward accessibility
- Create continuous look or use with clouds and perimeter trim
- Lightweight panels install with standard 15/16" suspension system
- Complete standard system from one manufacturer

COLORS

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



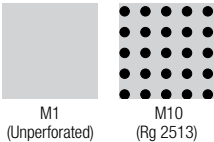
White (WH)

Silver Grey (SG)

Gun Metal Grey (MY)

PERFORATION OPTIONS

(1:2 scale shown)



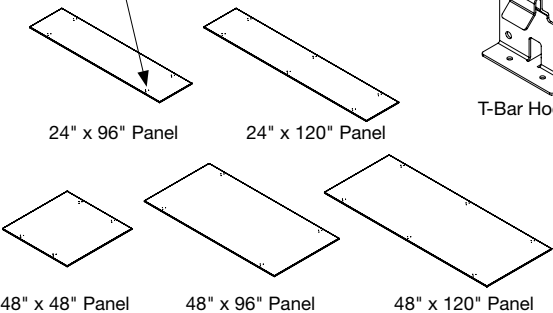
M1 (Unperforated)

M10 (Rg 2513)

HOW TO INSTALL PANELS

Step 1: Select Panel Size

Pre-drilled holes for T-Bar Hooks

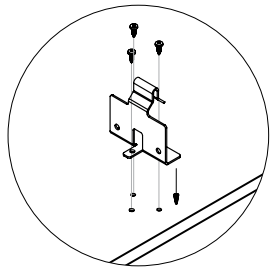


T-Bar Hook

Panel Size	Number of Hooks Needed	Number of Screws Needed*
24" x 96"	4	12
24" x 120"	6	18
48" x 48"	4	12
48" x 96"	4	12
48" x 120"	6	18

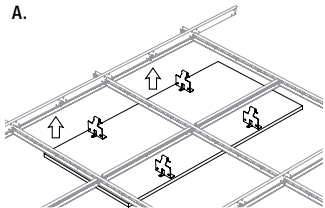
*3 screws per hook

Step 3: Install Hooks on Panels

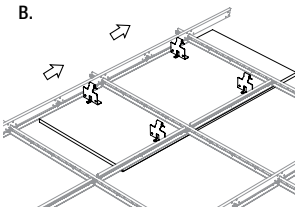


Step 4: Install Panels and Safety Cables

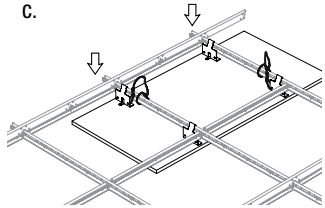
A.



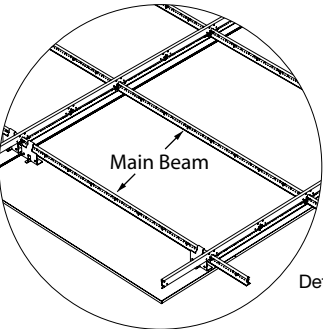
B.



C.



How to Assemble Basic Systems

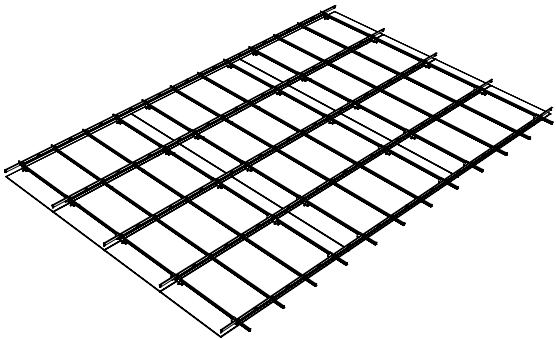


Main Beam

Detail View

For a basic 48" x 96" panel assembly, you will need to order:

Item	Pieces
6667M1 – 48" x 96" Unperforated Panel	12
5986 – T-Bar Hooks	48 (4 per Panel)
HD Main Beams	12
4" Cross Tees	25
SH12 Support Hanger	6

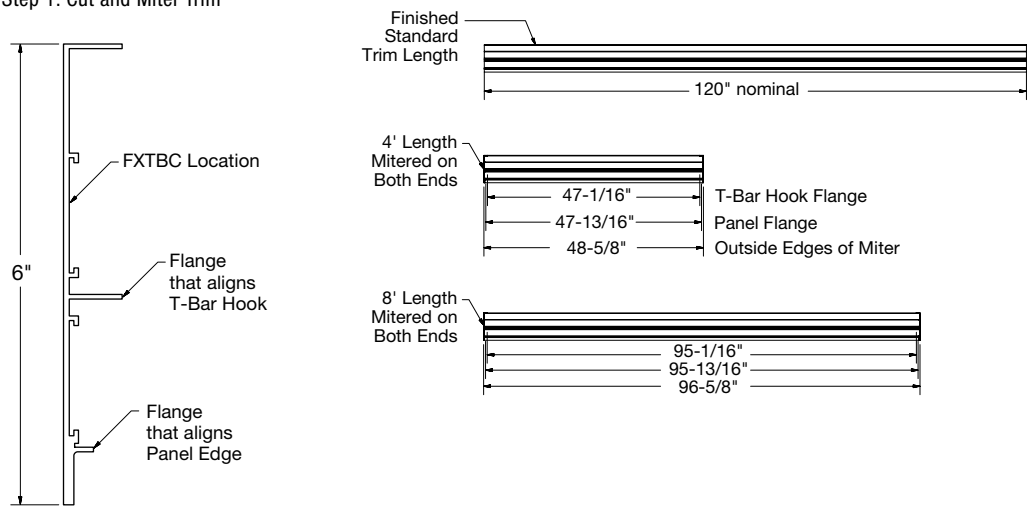


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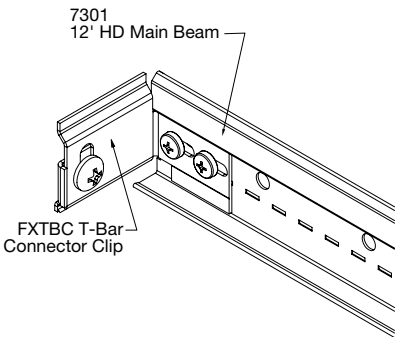
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HOW TO INSTALL TRIM

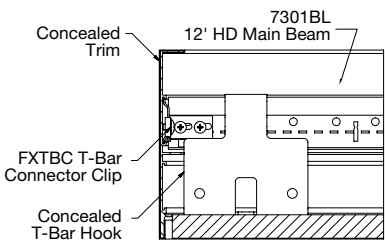
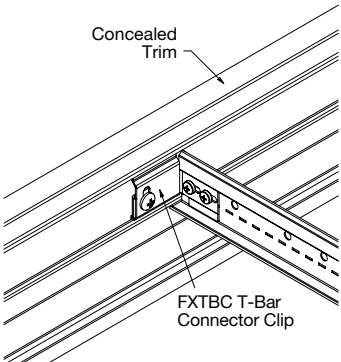
Step 1: Cut and Miter Trim



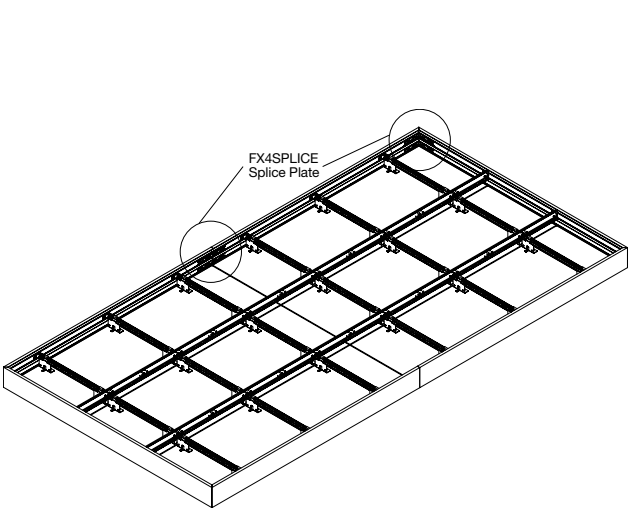
Step 2: Attach Clips to Ends of Main Beams and Cross Tees



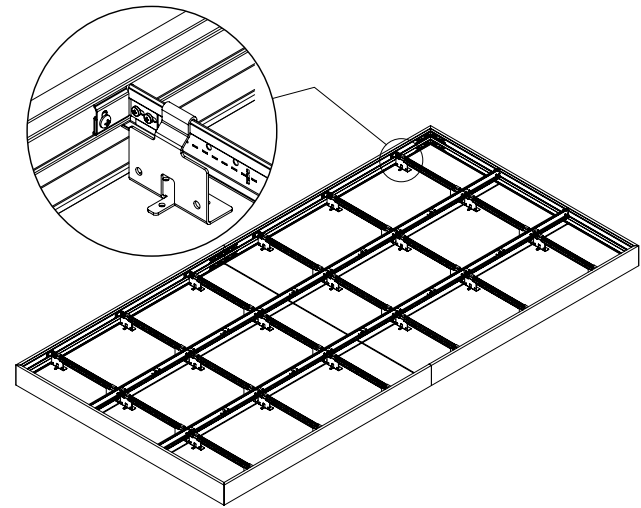
Step 3: Attach Trim to Clips



Step 4: Install Splice Plates



Step 5: Install Panels

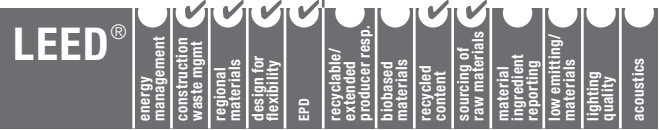


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25% RECYCLED CONTENT

Calculate LEED contribution at
armstrong.com/greengenie

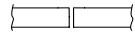


VISUAL SELECTION

Edge Profile Item Number* Dimensions (Inches) Perforations

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1/4" Reveal **6664** _ _ _ _ _ 24 x 96 x 5/8" M1; M10



6665 _ _ _ _ _ 24 x 120 x 5/8" M1; M10

6666 _ _ _ _ _ 48 x 48 x 5/8" M1; M10

6667 _ _ _ _ _ 48 x 96 x 5/8" M1; M10

6668 _ _ _ _ _ 48 x 120 x 5/8" M1; M10

* When specifying or ordering, include the appropriate perforation and color suffix with the item number (e.g., 6664 **M 1** **M Y**).

PERFORMANCE

Dots represent high level of performance.

Light Reflect	Wash	Scrub	Impact	Soil
(White Only)				
0.77 (M1)	•	•	•	•
0.77 (M1)	•	•	•	•
0.77 (M1)	•	•	•	•
0.77 (M1)	•	•	•	•
0.77 (M1)	•	•	•	•

ACOUSTICAL INFORMATION

Perforation NRC

M1 **NRC**
0.10

M10 0.80 / 0.95†

Maximum NRC and CAC achieved with acoustical infill options. For additional Infill options, refer to pages 100-101.

† With BioAcoustic™ infill item 5479. NRC of 0.90 with fiberglass infill 8200100, NRC 0.80 as sold.

EXAMPLE: 6664 M10 SG

Panel Dimension/Type: 24" x 96" Perforation: M10 Finish: Silver Grey

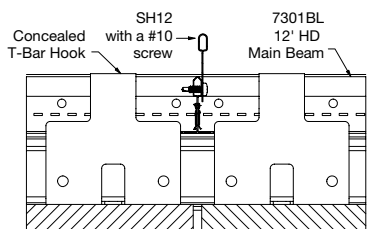
ACCESSORIES

Item Number	Description	Dimensions (Inches)	Color	Pieces/Carton
6656M1 _ _ *	MetalWorks Concealed Trim	6 x 120"	WH, SG, MY	6
7842A _ _	Slip-on Molding	1/2 x 120 x 5/8"	WH, SG, MY	40
FXTBC	T-Bar Connector Clip	—	—	10
FX4SPLICE	Splice Plate with Setscrews	—	—	10
8200100	Fiberglass Infill Panel	24 x 24 x 1"	Black (Gloss)	12
5823	BioAcoustic™ Infill Panel	24 x 24 x 5/8"	Black	12

SUSPENSION SYSTEM 15/16" Heavy-duty Prelude® XL® Suspension System (See pgs. 279-280 for components.)

Item Number	Description	Dimensions (Inches)	Pieces/Carton
5986	T-Bar Hook†	Nominal 4 x 2 x 3"	50
90190A242	#10 Pan Head Sheet Metal Screw	1/2"	100
6091	Safety Cable	24 x 3/32"	50
SH12	Support Hanger	144 x 2"	12

† For 24" x 96", 48" x 48", and 48" x 96" panels, install 4 hooks per panel; for 24" x 120" and 48" x 120" panels, install 6 hooks per panel. NOTE: Refer to installation instructions at armstrong.com/installation for a better understanding of suspension requirements.



Installation Detail - Concealed Ceiling System

PHYSICAL DATA

Material
Aluminum composite – 0.57" thick

Surface Finish
Factory-applied powder-coated finish (post-coated)

Acoustical Performance
MetalWorks Concealed perforated panels provide outstanding acoustical correction. NRC 0.95 is achieved with acoustical infill item 5823. See CS-4172 for more information on infill panels.

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

Installation Considerations
Please refer to installation instructions BPLA-297890 before installing MetalWorks Concealed panels.

Seismic Restraint
MetalWorks Concealed panels have been engineered, tested, and approved for application in all seismic areas when installed per Armstrong installation instructions.

Warranty
Details at armstrong.com/warranty

Weight
0.97 lbs/SF (Bulk packaged)

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armstrong.com/metalworks

BCPS-4607-1115

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