

Armstrong®
World Industries

Details Make
the Difference



Experience, Above All™

Improve finished aesthetics with Pre-Engineered Solutions

Armstrong® Ceiling Solutions are pre-engineered with attention to detail to ensure you control the finished aesthetic of the ceiling and achieve your design intent.

On every project you will encounter some, if not all, of these common conditions. This guide features pre-engineered integrated solutions for each common condition.

We have compared our pre-engineered solutions to traditional construction methods, and presented the benefits to the design and build-out process. By using these integrated solutions, you will be able to specify and maintain the crisp, clean details you envision, while solving everyday challenges including sustainable and efficient solutions.



4
Shade Pockets



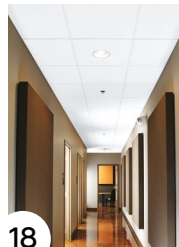
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Light Coves



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& Curved Drywall



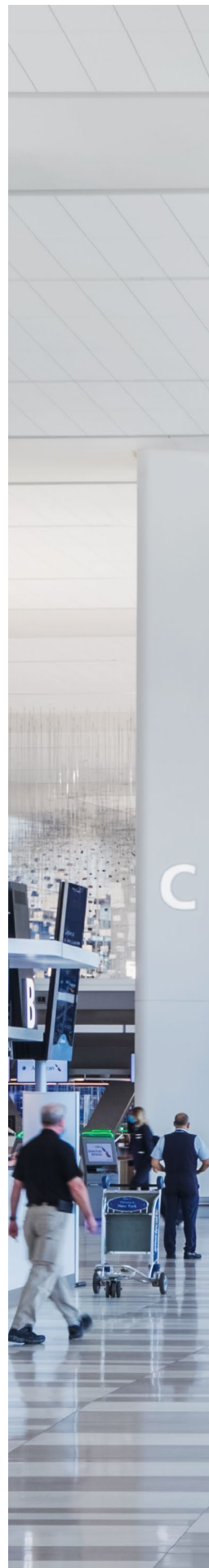
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Clouds, Lighting
& Accessories



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Transitions





Axiom® Classic Trim, CastWorks™ GFRC Architectural Forms, Optima® PB Panels



Axiom® Building Perimeter Shade Pocket

Axiom® Building Perimeter Shade Pockets

Transitions between the building's interior perimeter and the ceiling plane can be challenging when traditional shade pockets are incorporated.

Armstrong® Ceiling Solutions

BENEFITS:

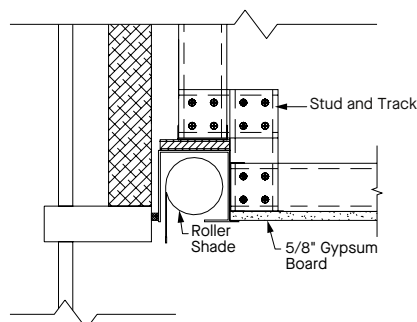
- Regains aesthetic control at the building perimeter
- Achieves quality control at the perimeter, reduces time required to detail and specify the integration of perimeter solutions
- Reduces risk associated with field-fabricated, labor-intensive accommodation of linear air distribution, window pockets, and ceiling elevation changes at the perimeter of a building
- Reduces embodied carbon by up to 80% compared to traditional framing

FEATURES:

- Integrates with all Armstrong® acoustical and FrameAll® Drywall Grid
- Integrates drapery pockets, window shades, air distribution, and changes in ceiling elevation
- Installs 12 times faster than drywall pockets and twice as fast as traditional pockets
- Variety of options for manual, motorized, and pocketless applications at the perimeter

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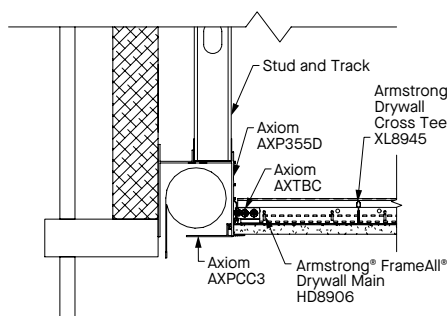
Traditional Shade Pocket



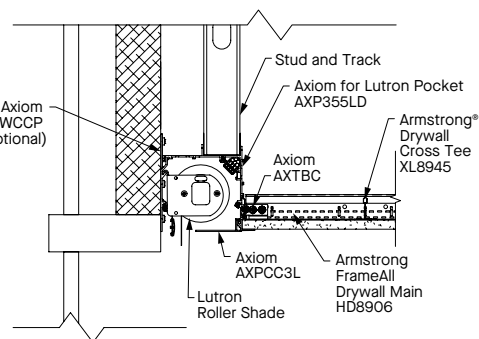
Armstrong Ceiling Solutions

Axiom® Building Perimeter Shade Pockets

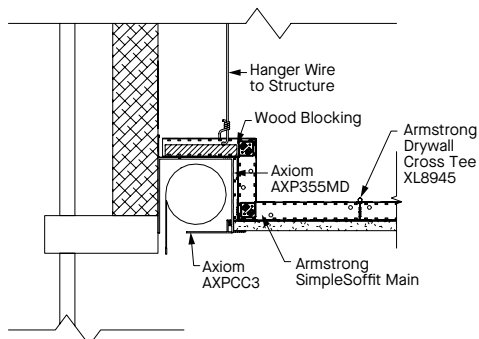
Axiom AXP355 Pocket with FrameAll® Drywall Grid



Axiom AXPWCCP Pocket for Lutron with FrameAll Drywall Grid



Axiom AXP355 Pocket with SimpleSoffit® Framing System





Axiom® Direct Light Coves

Axiom® extruded aluminum direct light coves offer low-plenum clearance and predictable lighting performance.

Armstrong® Ceiling Solutions

BENEFITS:

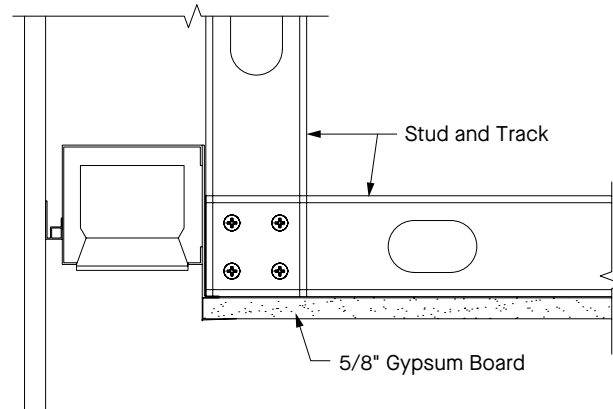
- Fully-concealed integrated design installs with all Armstrong® acoustical and drywall suspension systems
- Low-profile design with plug-and-play lighting for shallow-plenum corridors or entryways
- Integrated lighting partners make the complete solution easy to specify and maintain lighting symmetry
- Reduces embodied carbon by up to 80% compared to traditional framing

FEATURES:

- Pre-engineered, extruded aluminum light cove profiles with integrated light fixture
- 4" × 4" and 4" × 6" direct light cove options available
- Installs 90% faster with just 10% of the labor of traditional light coves
- Designed to work with Armstrong linear lighting partners

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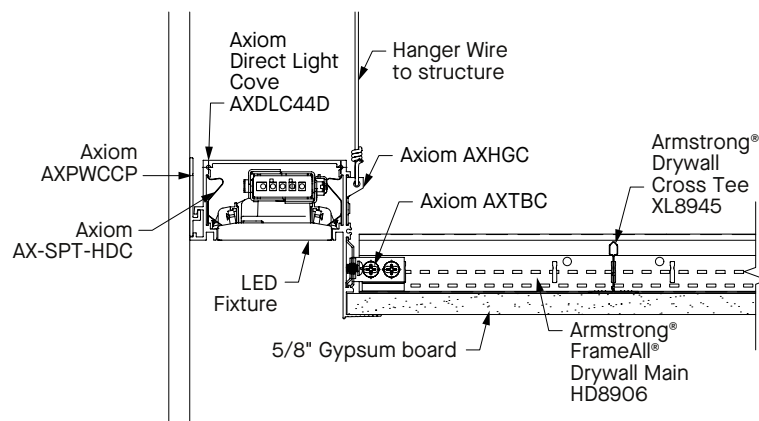
Traditional Direct Light Cove



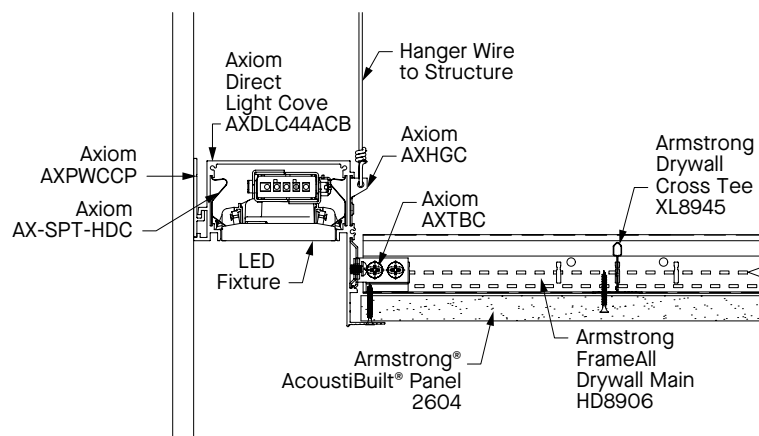
Armstrong Ceiling Solutions

Axiom® Direct Light Coves

Axiom Direct Light Cove with FrameAll Drywall Grid and Drywall



Axiom Direct Light Cove with FrameAll Drywall Grid and AcoustiBuilt® Seamless Acoustical Ceilings





Axiom® Indirect Light Coves & Indirect Field Light Coves

Axiom® light coves are available in a variety of sizes with options allowing for predictable lighting performance in any space.

Armstrong® Ceiling Solutions

BENEFITS:

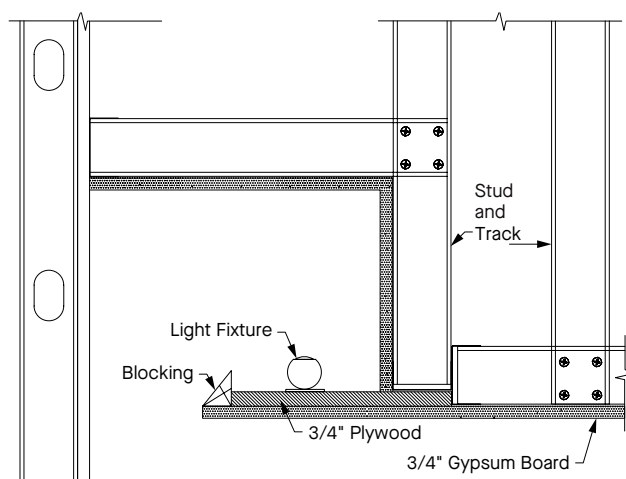
- Offer predictable lighting performance and perfect integration with all Armstrong® suspension systems and FrameAll® Drywall Grid
- Integrated lighting partners make the complete solution easy to specify and maintain lighting symmetry
- Reduces embodied carbon by up to 75% compared to traditional framing

FEATURES:

- Variety of options with both ceiling-to-wall and ceiling-to-ceiling light coves and sizes
- Knife Edge® profile brings acoustical tile out to the edge of the cove
- Installs 90% faster with just 10% of the labor of traditional light coves

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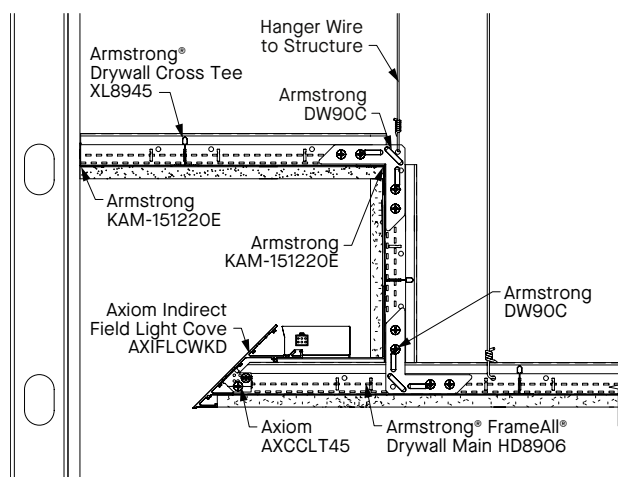
Traditional Indirect Light Cove



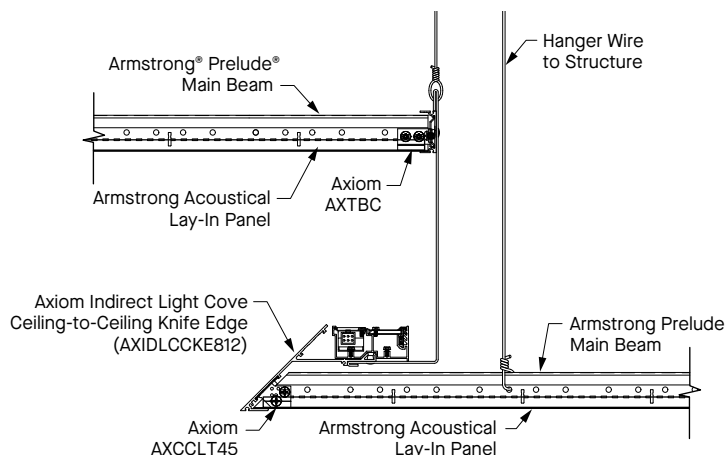
Armstrong Ceiling Solutions

Axiom® Indirect Light Cove and Indirect Field Light Coves

Ceiling-to-Wall Indirect Field Light Cove, Knife Edge®



Ceiling-to-Ceiling Indirect Light Cove, Knife Edge®





Drywall Grid Light Covers

FrameAll® Drywall Grid System – Light Coves

FrameAll® solutions offer predictable load performance and more control over finished aesthetic than traditional framing.

Armstrong® Ceiling Solutions

BENEFITS:

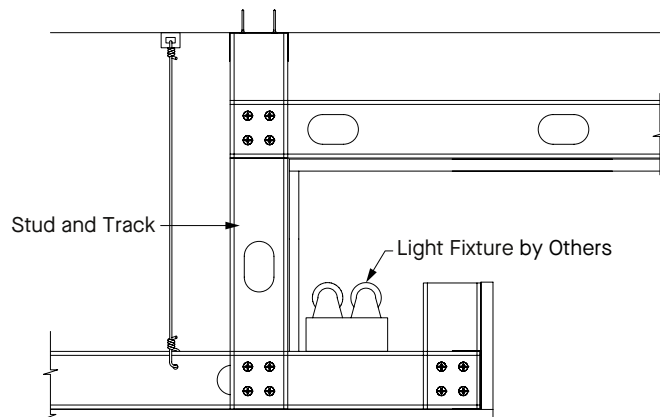
- Installation savings up to 75% compared to traditional framing
- Pre-engineered FrameAll Drywall Grid soffits are three times faster to install than traditional stud-and-track framing
- FrameAll Drywall Grid saves steel and significantly increases the modularization of the build process
- Reduces embodied carbon by up to 75% compared to traditional framing

FEATURES:

- SimpleSoffit® framing provides precisely notched main beams that arrive ready-to-install and can be quickly clicked together
- FrameAll Drywall Grid is manufactured with additional rout locations to accommodate F-type light fixtures, access panels, and air diffusers
- Engineered for design control while providing a greener installation by reducing steel up to 25%
- Can be quickly field-modified to accommodate a vast array of soffit and step conditions

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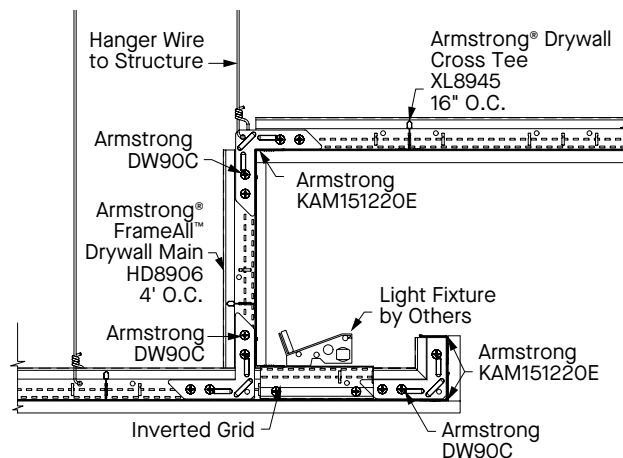
Traditional Drywall Light Cove



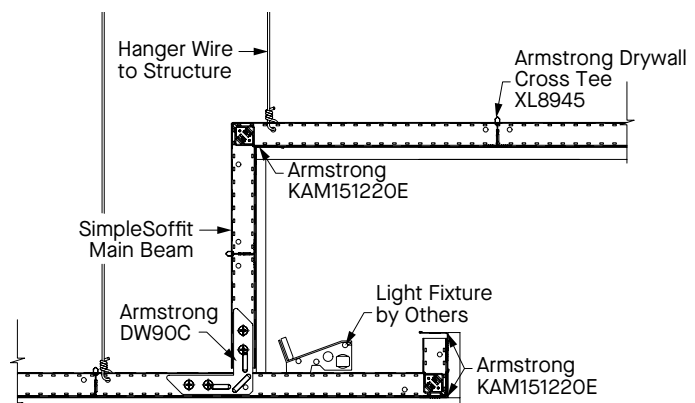
Armstrong Ceiling Solutions

Drywall Grid Light Cove

FrameAll Drywall Grid



SimpleSoffit® Framing





Drywall Grid System and SimpleSoffit® Framing System

FrameAll® Drywall Grid System – 90° Soffits

L-Soffits constructed using FrameAll® Drywall Grid provide superior value in terms of predictability, performance, and control over finished aesthetic compared to traditional framing.

Armstrong® Ceiling Solutions

BENEFITS:

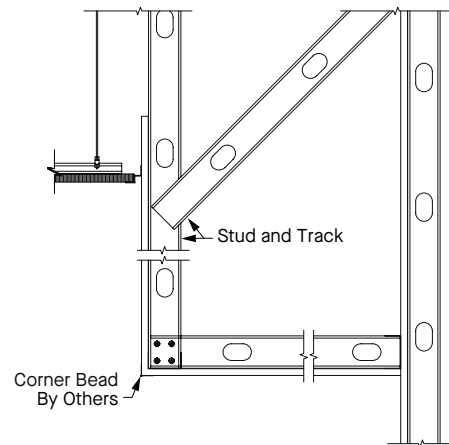
- Installation savings up to 75% compared to traditional framing
- Pre-engineered FrameAll Drywall Grid soffits are three times faster to install than traditional stud-and-track framing
- FrameAll Drywall Grid saves steel and significantly increases the modularization capabilities of the installation
- Reduces embodied carbon by up to 75% compared to traditional framing

FEATURES:

- SimpleSoffit® framing provides precisely notched main beams that arrive ready to install and can be quickly clicked together
- Can be quickly field-modified to accommodate a vast array of soffit and step conditions

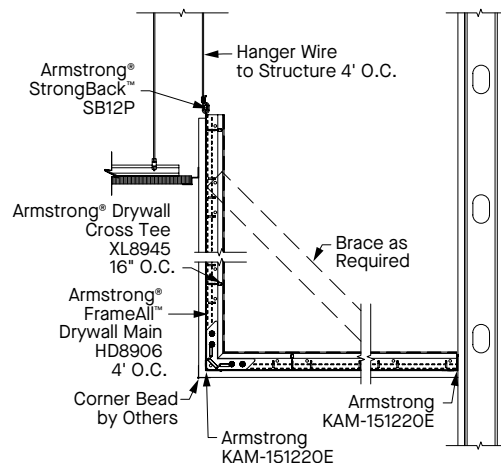
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Traditional 90° Soffit

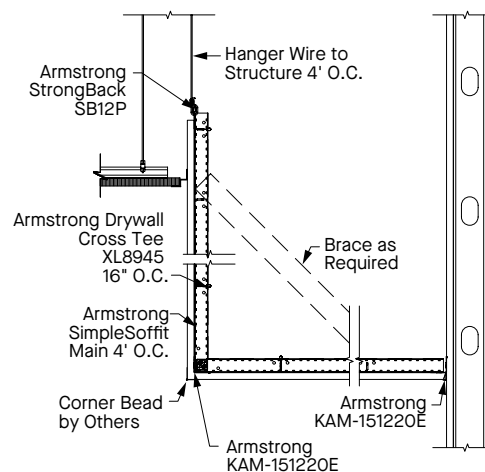


Armstrong Ceiling Solutions 90° Soffit

FrameAll® Drywall Grid



SimpleSoffit Framing



FrameAll® Drywall Grid System – Step Soffits

Step soffits, when constructed using FrameAll® drywall grid, offer superior performance and control over finished aesthetic compared to traditional framing.

Armstrong® Ceiling Solutions

BENEFITS:

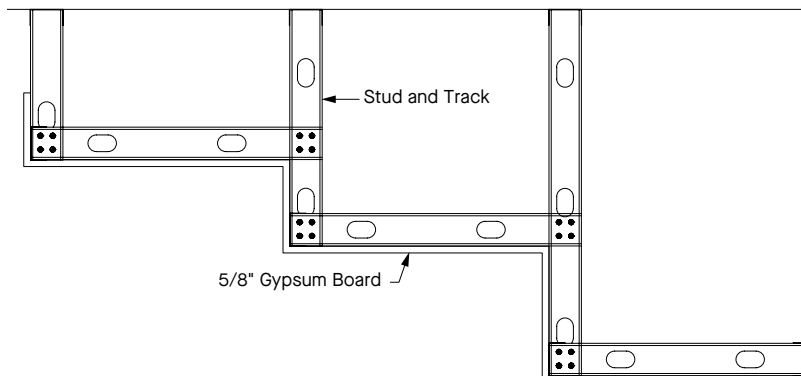
- Installation savings up to 75% compared to traditional framing
- Pre-engineered FrameAll Drywall Grid soffits are three times faster to install than traditional stud-and-track framing
- FrameAll® Drywall Grid saves steel and significantly increases the modularization of the build process
- Reduces embodied carbon by up to 70% compared to traditional framing

FEATURES:

- SimpleSoffit® framing provides precisely notched main beams that arrive ready to install and can be quickly clicked together
- Engineered for design control while providing a greener installation by reducing steel up to 25%
- Can be quickly field-modified to accommodate a vast array of soffit and step conditions
- Armstrong® FrameAll® Drywall Grid saves steel and significantly increases the modularization of the build process

[View Master Details >](#)

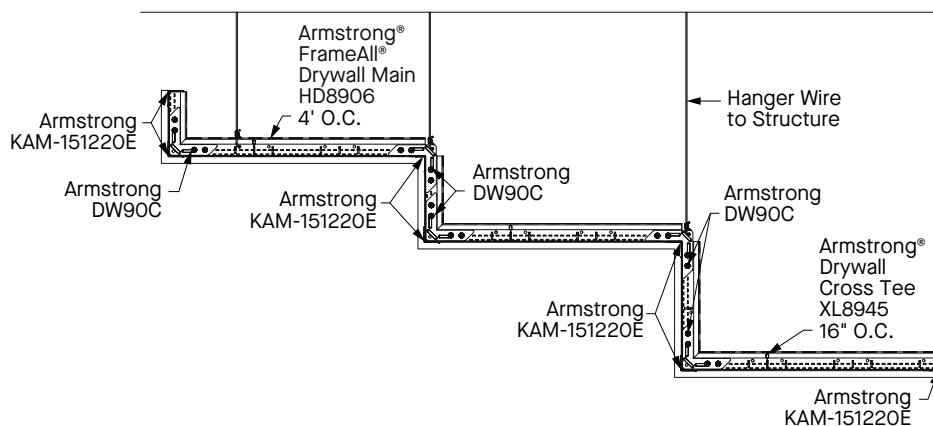
Traditional Step Soffit



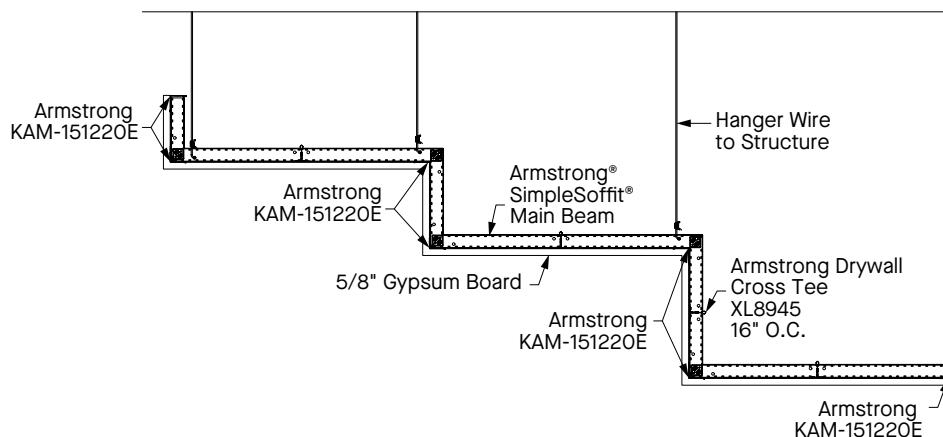
Armstrong Ceiling Solutions

Step Soffit

FrameAll Drywall Grid



SimpleSoffit® Framing



FrameAll® Drywall Grid System – Box Framing

FrameAll® Drywall Grid provides improved visuals and more predictable load performance compared to traditional framing for your box and U-soffit designs.

Armstrong® Ceiling Solutions

BENEFITS:

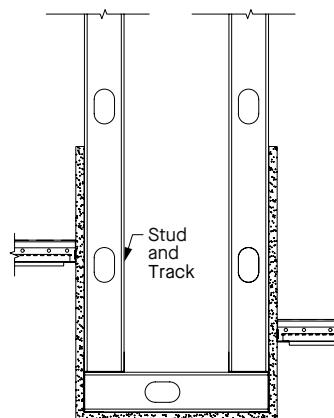
- Installation savings up to 75% compared to traditional framing
- Pre-engineered FrameAll Drywall Grid soffits are three times faster to install than traditional stud-and-track framing
- FrameAll® Drywall Grid saves steel and significantly increases the modularization of the build process
- Reduces embodied carbon by up to 75% compared to traditional framing

FEATURES:

- SimpleSoffit® framing provides precisely notched main beams that arrive ready to install and can be quickly clicked together
- Forms perfect 30°, 45°, 60°, 75°, and 90° angles
- Flattened bulb is offset to allow true angles without interference
- Engineered for design control while providing a greener installation by reducing steel up to 25%
- Can be quickly field-modified to accommodate a vast array of soffit and step conditions

[View Master Details >](#)

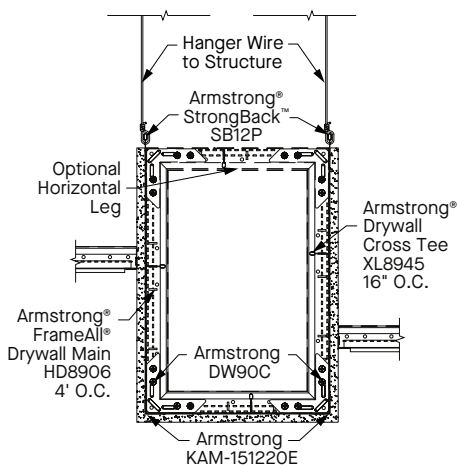
Traditional Soffit



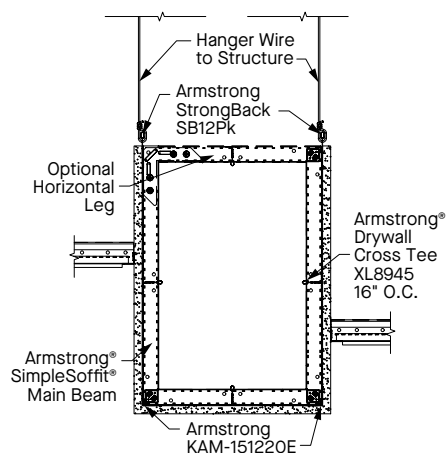
Armstrong Ceiling Solutions

Soffit

FrameAll Drywall Grid



SimpleSoffit® Framing





Curved Drywall Grid System with RC2 Clips

FrameAll® Drywall Grid System – Flat & Curved Drywall Ceilings

FrameAll® solutions in flat ceiling design offer predictable load performance and more control over the visual vs. traditional framing.

Armstrong® Ceiling Solutions

BENEFITS:

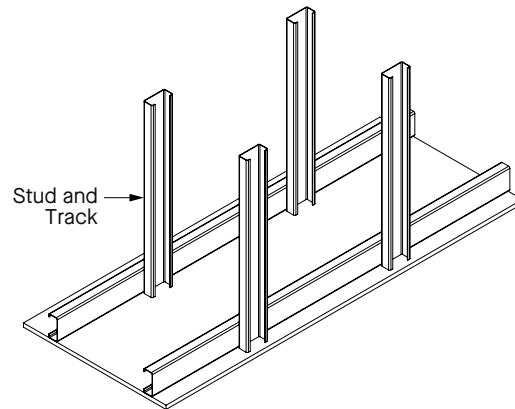
- Installation savings up to 75% compared to traditional framing
- Ultimate control of the curve – expand your design beyond traditional pre-selected or pre-determined radii
- Simplify the design of corridors, small room configurations, restrooms, and storage closets
- Engineered to use less steel than traditional drywall ceiling framing methods
- Using FrameAll Drywall Grid reduces framing height
- Reduces embodied carbon by up to 60% compared to traditional framing

FEATURES:

- Create custom radii to suit any design by combining our pre-notched main beam with our RC2 clip
- Engineered for design control while providing a greener installation by reducing steel up to 15%

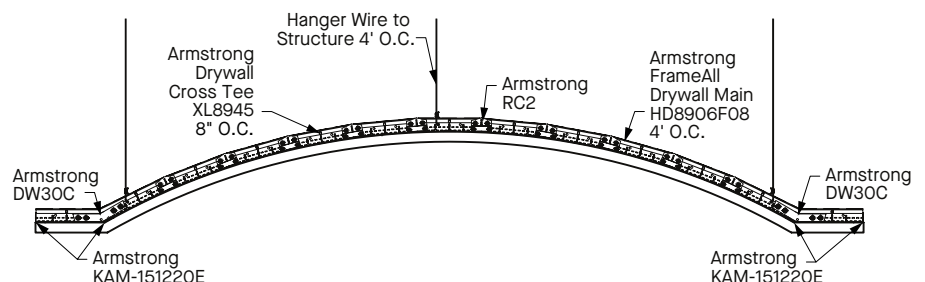
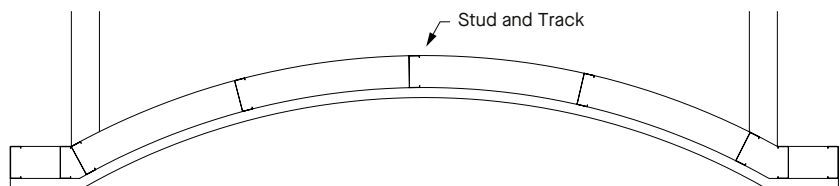
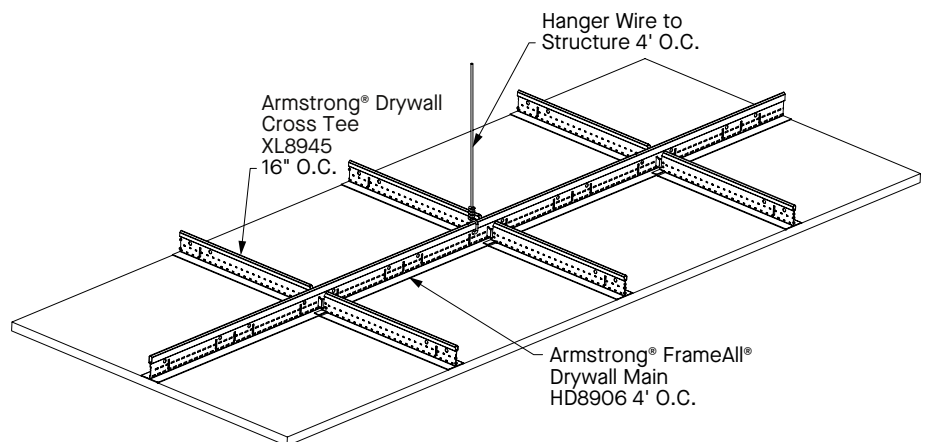
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Traditional Flat Drywall



Armstrong Ceiling Solutions

FrameAll Drywall Grid System for Flat and Curved Drywall





SingleSpan™ Acoustical Corridor System with Calla® Ceiling Panels

SingleSpan™ Acoustical Corridor Suspension System & ShortSpan® Drywall Corridor System

Crowded or low plenums can be a challenge when designing due to many important components running above the ceiling plane, especially within healthcare applications.

Armstrong® Ceiling Solutions

SINGLESPAN™

BENEFITS:

- SingleSpan reduces or eliminates hanger wires – perfect for healthcare/education spaces with crowded plenums
- SingleSpan provides improved access to utilities in the plenum post installation

FEATURES:

- SingleSpan structural wall angle maximizes the load-carrying performance
- SingleSpan and ShortSpan have been seismically tested, IAPMO and ICC-ES code-compliant

SHORTSPAN®

BENEFITS:

- ShortSpan supports spans up to 9'-0" with no mid-span support (cross tees every 16" O.C.)

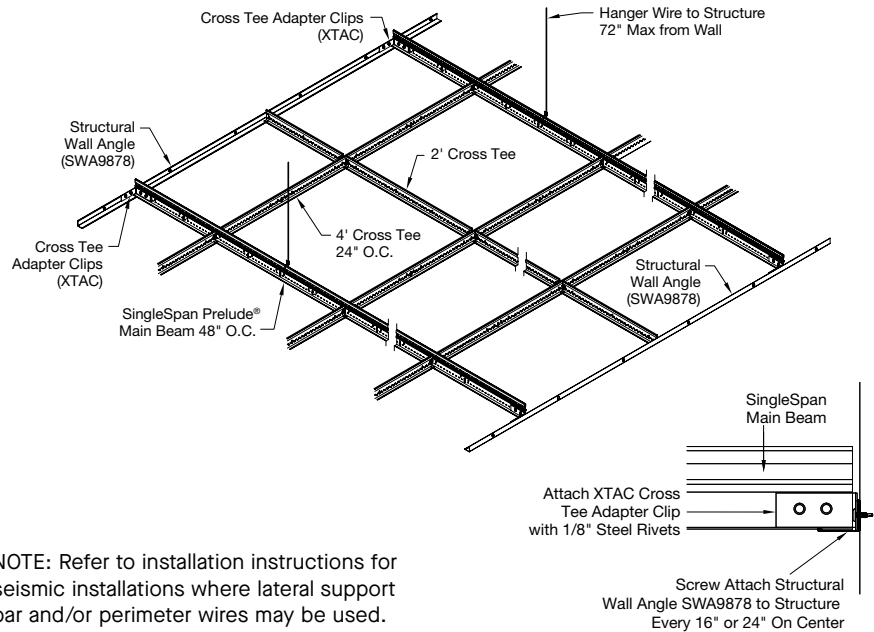
FEATURES:

- ShortSpan StrongBack™ SB12 can be used for spans beyond 9'-0"
- Locking Angle Molding – LAM12 has pre-engineered locking tabs punched 8" O.C. – frame 16" or 24" O.C.

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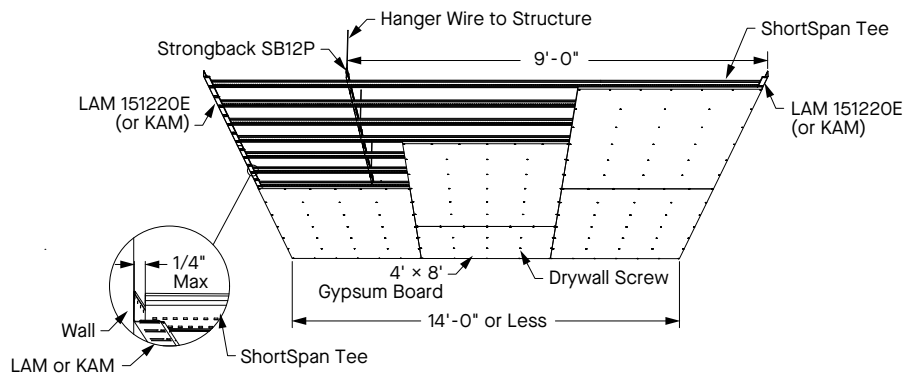
Armstrong Ceiling Solutions

SingleSpan Acoustical Corridor Suspension System

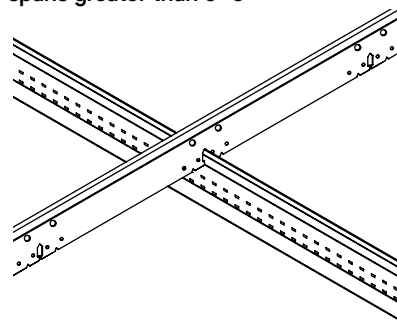


Armstrong Ceiling Solutions

ShortSpan Drywall Grid Framing System



StrongBack used for spans greater than 9'-0"





Formations™ Acoustical Cloud Kits

Acoustical and Drywall Clouds

Make a bold statement in signature areas without the hassle, cost, and risk associated with custom installations. Whether you choose standard or custom, the grid, trim, and hanging components come pre-cut and ready to go in a kit.

Armstrong® Ceiling Solutions

BENEFITS:

- Ideal for exposed structure areas to reduce reverberation time, reduce noise levels, and increase speech intelligibility
- Clouds appear to float and provide a clean, contemporary look with consistent fit and finish
- Kits install 55% faster than stick built clouds – no field painting or modifications

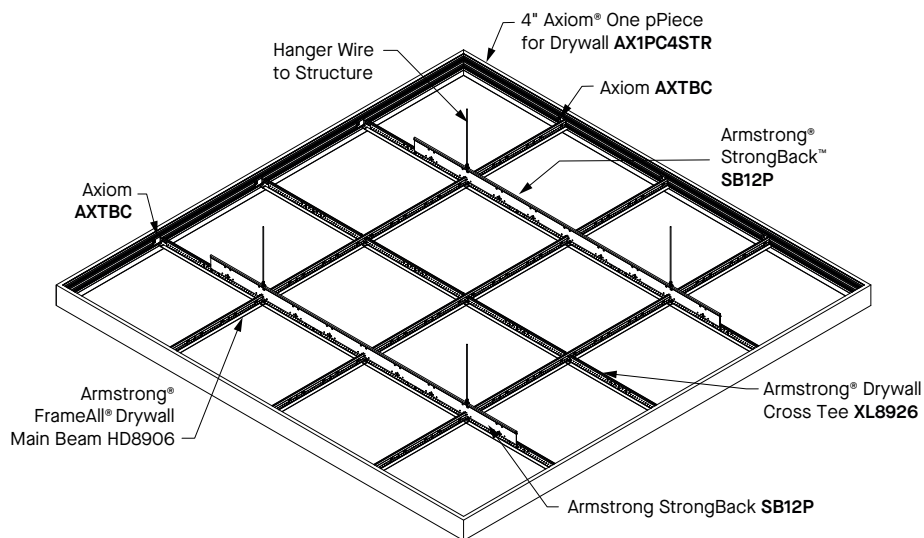
FEATURES:

- Variety of options – including configurations, panels, sizes, trim color, lighting, and applications
- Kits come complete with our proven support hanger carrying channel, which eliminates 40% of the cables – minimizing visible wires
- Wide range of standard Axiom® trim and suspension system colors adds a custom look

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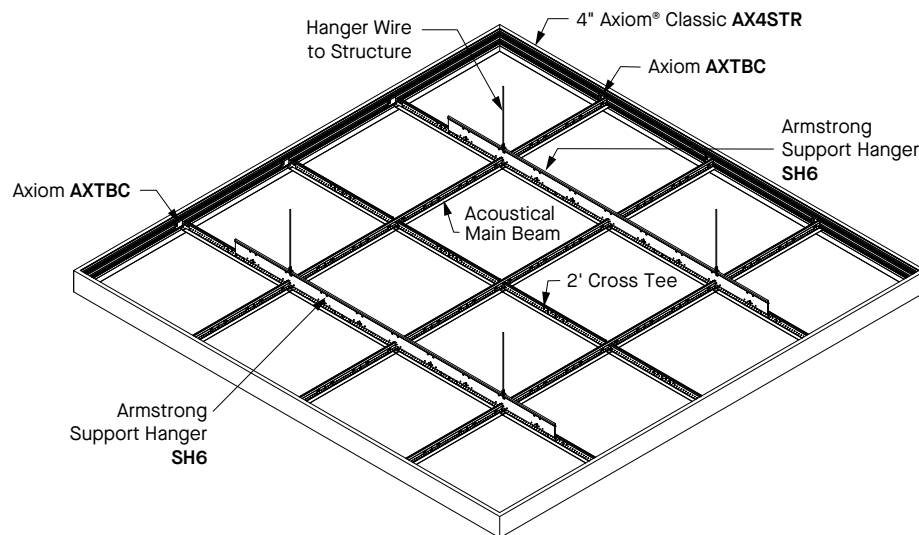
Armstrong Ceiling Solutions

Formations™ Drywall Cloud Kit



Armstrong Ceiling Solutions

Formations Acoustical Cloud Kits





Linear Lighting with Calla® Health Zone™

Linear Lighting

Deliver your vision of perfectly symmetrical continuous or discontinuous linear lighting, using factory-finished acoustical ceiling panels and suspension systems or our Drywall Grid System.

Armstrong® Ceiling Solutions

BENEFITS:

- Pre-engineered to seamlessly integrate linear lighting on center with the grid line
- Factory-finished panels and suspension system
- Zero independent suspension for lighting fixtures
- Perfectly-placed runs of light create ceiling layouts to fit your building design
- Light installs from below

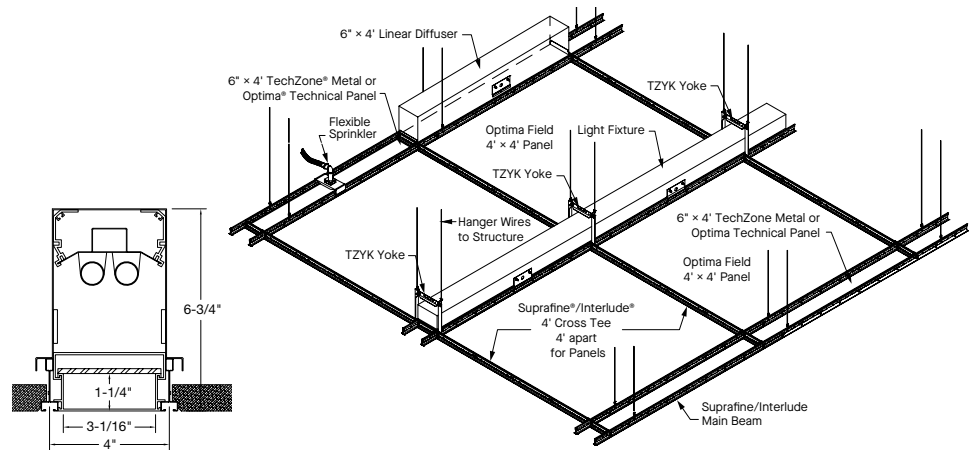
FEATURES:

- Seamless integration between drywall ceilings and linear lighting
- Leverage long runs of light to create a monolithic look
- Varying lengths and on-center spacing true to design intent

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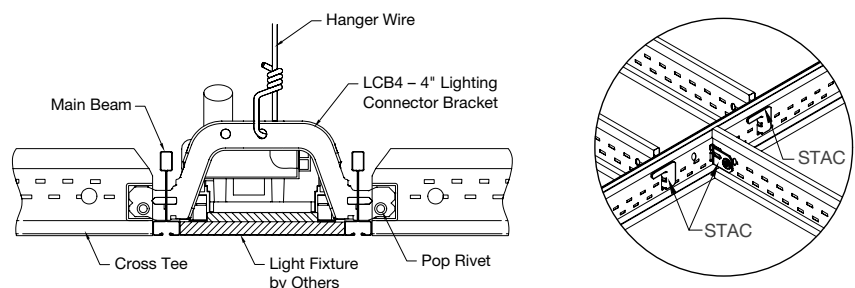
Traditional

Tech Zone® Lighting



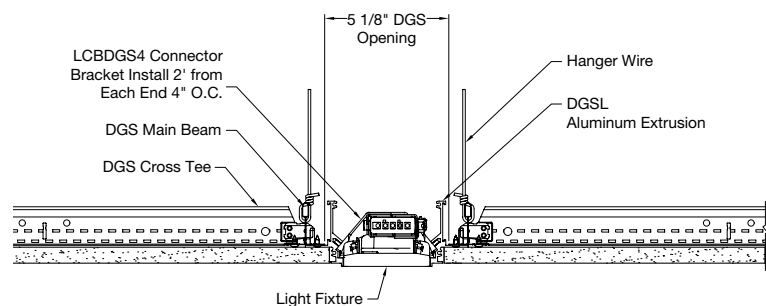
Armstrong Ceiling Solutions

On-Center Linear Lighting – Acoustical

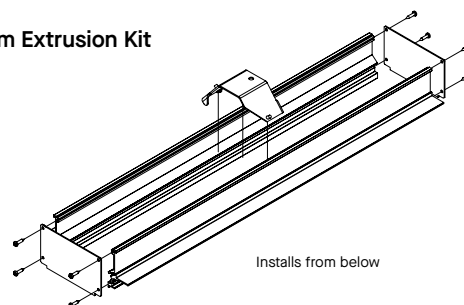


Armstrong Ceiling Solutions

Linear Lighting – FrameAll® Drywall



DGSL Aluminum Extrusion Kit



Seismic Wall Molding Connection (BERC2 Clip)

Traditionally, unsightly 2" wall angle has been used to facilitate movement, while using pop rivets for finishing.

Armstrong® Ceiling Solutions

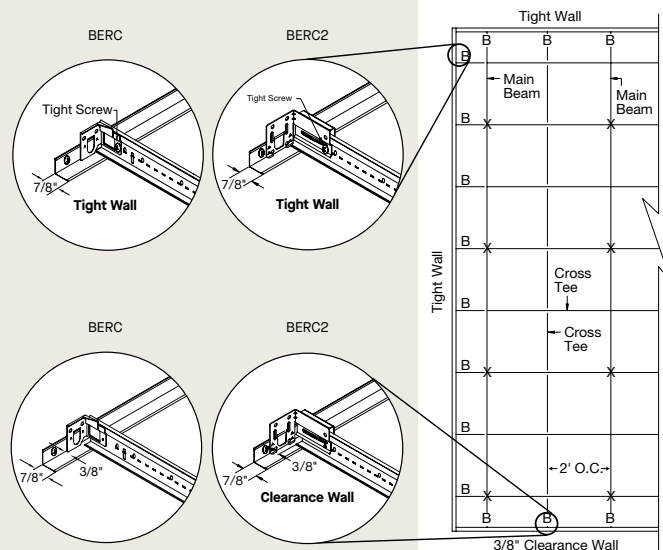
BENEFITS:

- Create a code compliant seismic C, D, E, F ceiling installation, while eliminating the need to use 2" wall molding
- No visible pop rivets required on fixed walls
- No perimeter stabilizer bars required

FEATURES:

- 7/8" wall angle instead of 2" wall angle
- No uneven appearance with 7/8" wall angle
- Code approved with ESR reports

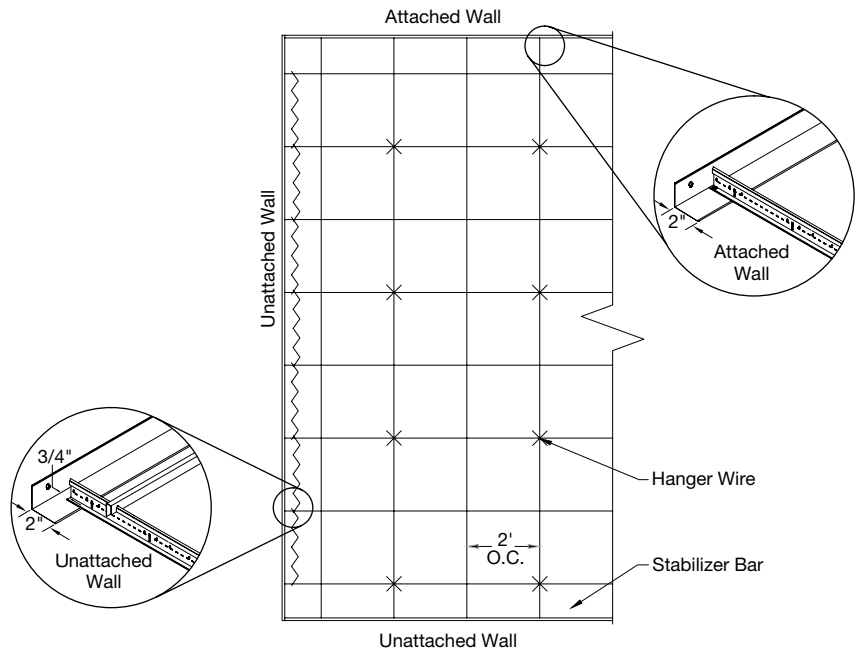
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X Hanger Wire
B BERC or BERC2 Clip

Traditional

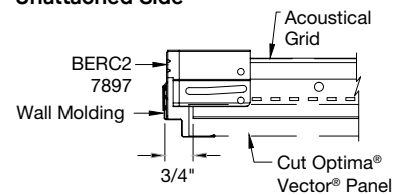
Seismic Wall Molding Connection



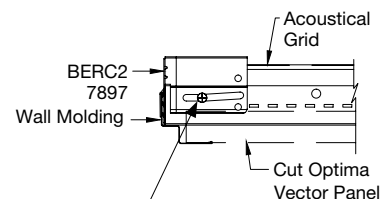
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Seismic Wall Molding Connection (BERC2 Clip)

Unattached Side



Attached Side



NOTE: BERC2 Clip attached to grid with screw

Wall Molding, Clips, & Accessories

Attaching main beams and cross tees to wall molding can create unsightly finished visuals at the perimeter and do not lock with grid causing shifts to happen after installation.

Armstrong® Ceiling Solutions

GCWA BENEFITS:

- Join any main beam or cross tee to a wall molding via integral locking barbs without any visible pop rivets or screws
- Eliminate visible fastening at wall molding for improved visual
- Integrates with suspension system – eliminating guesswork

STAC BENEFITS:

- Create strong, code compliant, non-seismic and seismic C, D, E, F off-module main beam to cross tee connections
- Perfectly square installation
- Consistent fit and finish at connection points of layout

GCWA FEATURES:

- Clips are made and ready to use through our FastShip™ clips and accessories program
- Securely attaches main beams and cross tees to perimeter
- Compatible with 15/16" and 9/16" Acoustical Suspension Systems

STAC FEATURES:

- Off-module tees are tight and grid installation is square at each connection
- Use STAC everywhere you do not have an opposing cross tee connection
- Meets seismic code

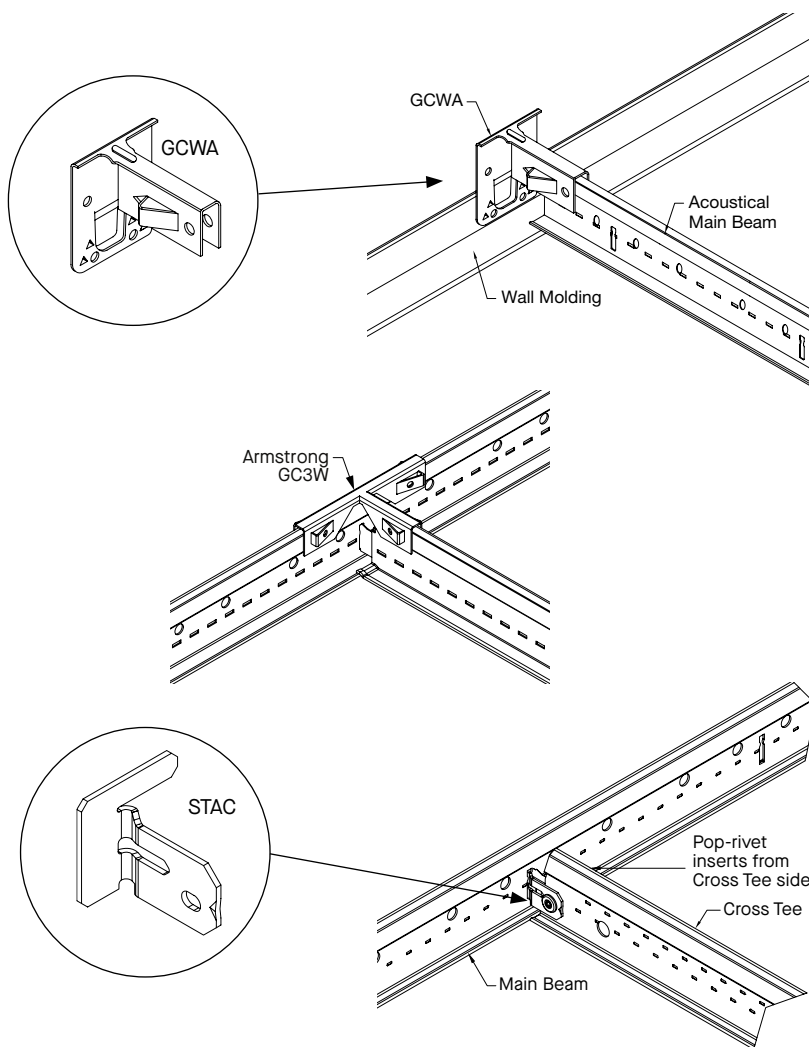
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Traditional Wall Molding Connection



Armstrong Ceiling Solutions

Wall Molding – GCWA and STAC Clip





Axiom® & Steel Flush Transitions

Transition between two ceilings planes at the same height.

Armstrong® Ceiling Solutions

- Minimize trade coordination with 40% faster installation time
- Can eliminate stud framing to structure

STEEL BENEFITS:

- Steel transitions are factory painted to match Armstrong® Acoustical Suspension Systems
- Fewer parts and pieces; integrates Acoustical Molding with a Drywall Taping Flange
- Eliminates a vertical drywall return at the transition

AXIOM® BENEFITS:

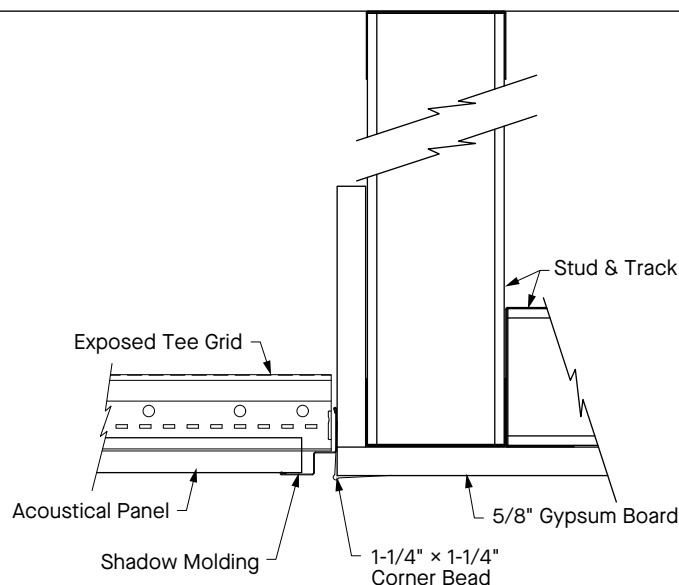
- Axiom aluminum trim provides more crisp-edge detailing compared to conventional roll-formed steel systems
- Axiom acoustical-to-drywall transitions are available straight and curved for perfect fit and finish every time
- Axiom is part of the Sustain™ portfolio and meets the most stringent sustainability compliance standards today

FEATURES:

- Accommodates acoustical-to-acoustical, acoustical-to-drywall, and drywall-to-drywall
- Axiom can be straight or curved
- Compatible with Armstrong® Suspension Systems and Drywall Grid Systems

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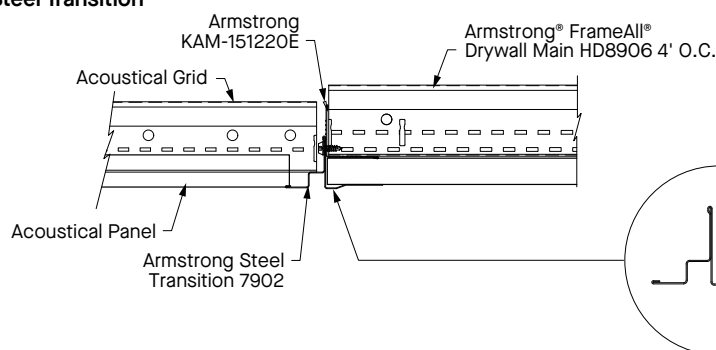
Traditional Flush Transition



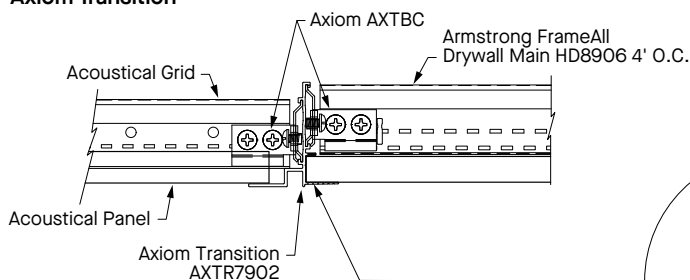
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Flush Transition

Steel Transition



Axiom Transition



Axiom® Straight & Curved Flush Transitions

Axiom® straight and curved flush transitions can be used in place of a bulkhead when transitioning between two ceiling systems or changing ceiling system direction.

Armstrong® Ceiling Solutions

BENEFITS:

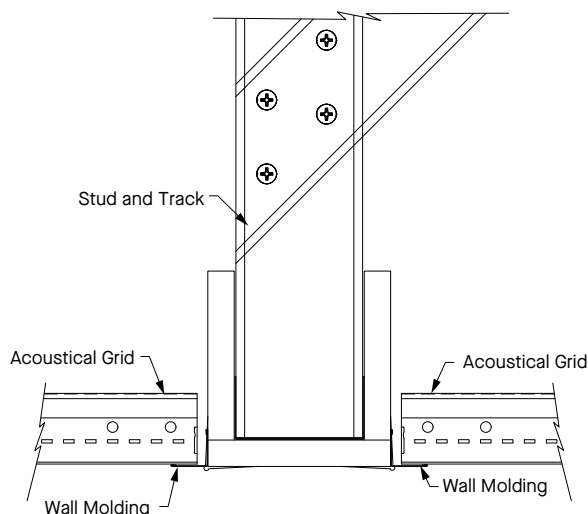
- Improved aesthetics
- Axiom aluminum trim provides more crisp-edge detailing compared to traditional stud framing bulkhead
- Axiom acoustical-to-drywall transitions are available straight and curved for perfect fit and finish every time
- Axiom is part of the Sustain™ portfolio and meets the most stringent sustainability compliance standards today

FEATURES:

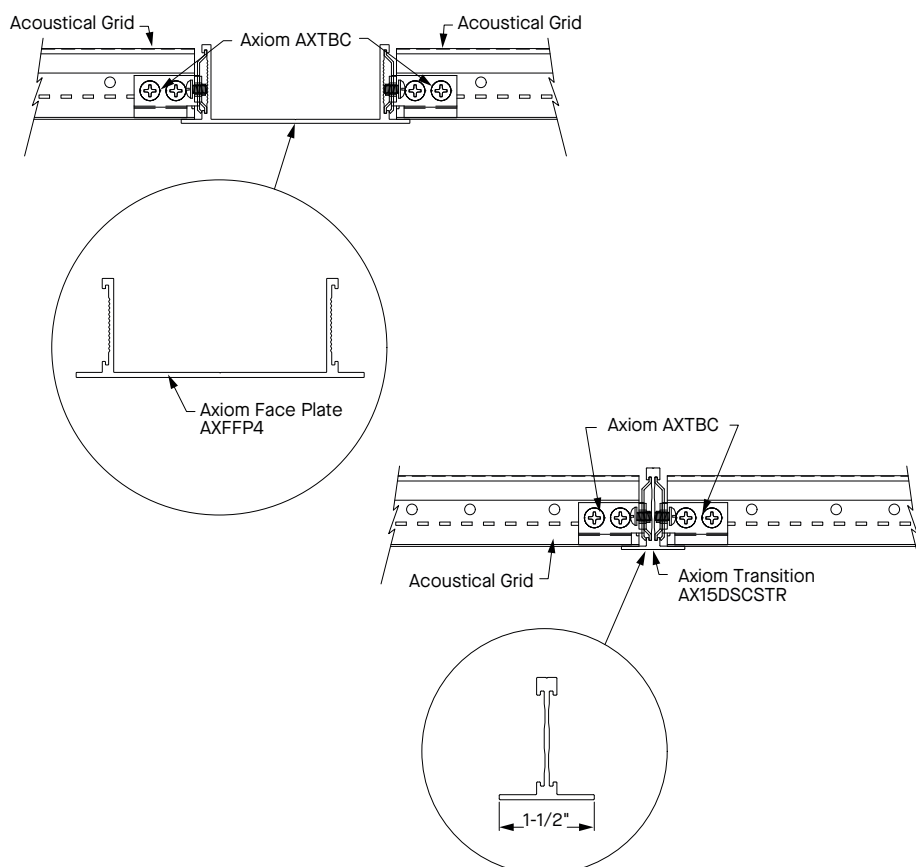
- Transition from acoustical to acoustical without dropping a stud
- Available in 1-1/2", 4", or 6" (1-1/2" used to change direction in hallways/corridors)
- Used to transition between intersecting ceiling systems or to transition between two different types of ceilings
- Acoustical-to-acoustical transitions only

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Traditional Field Transition



Armstrong Ceiling Solutions Field Transition



Axiom® & Steel F-Molding Transitions

F-Molding creates drywall height transitions without stud-and-track framing, eliminating the unsightly visual.

Armstrong® Ceiling Solutions

- Minimize trade coordination with 40% faster installation time

AXIOM® BENEFITS:

- Axiom aluminum trim provides more crisp-edge detailing compared to traditional stud and drywall framing
- Axiom acoustical-to-drywall transitions are available straight and curved for perfect fit and finish every time
- Axiom is part of the Sustain™ portfolio and meets the most stringent sustainability compliance standards today

STEEL BENEFITS:

- Steel transitions are factory-painted to match Armstrong® acoustical suspension systems
- Roll-formed steel with integrated mud flange – saves time, material, and labor on vertical transitions
- Fewer parts and pieces; integrates acoustical molding with a drywall taping flange
- Eliminates a vertical drywall return at the transition
- New 3-5/8" capabilities

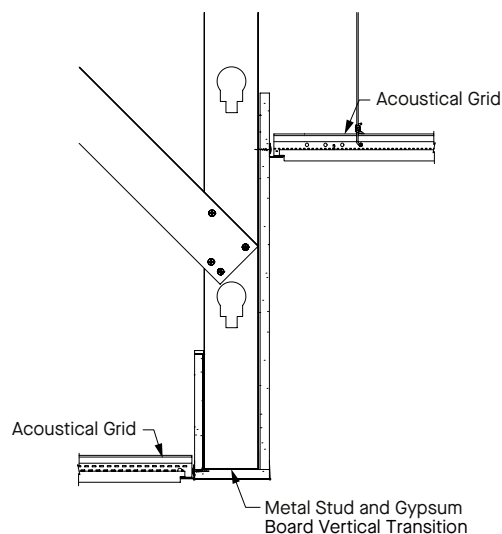
FEATURES:

- Accommodates acoustical-to-acoustical, acoustical-to-drywall, drywall-to-drywall, and drywall-to-acoustical configurations
- Compatible with Armstrong® suspension systems and FrameAll Drywall Grid

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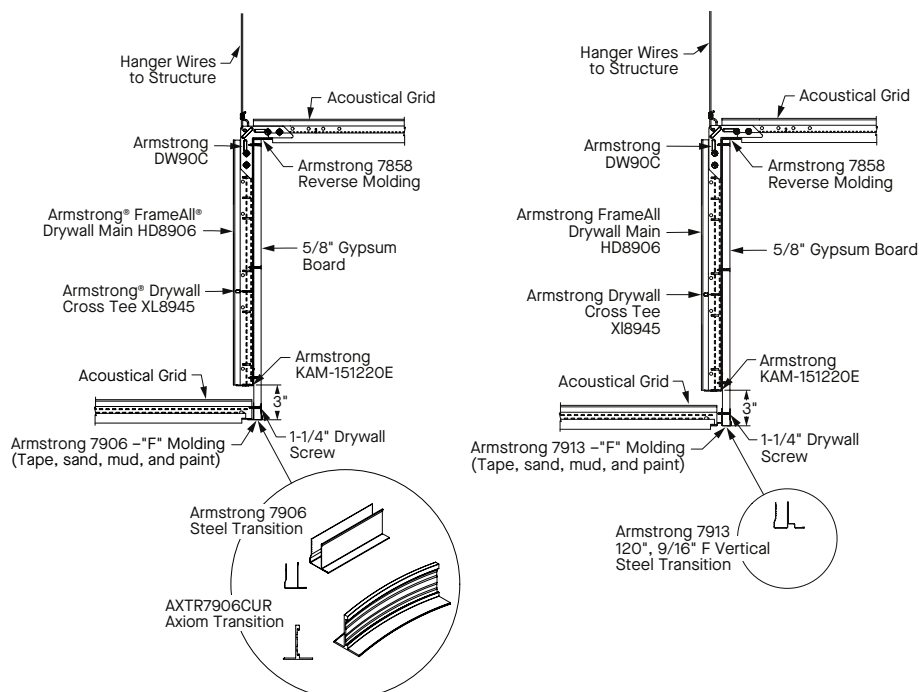
Traditional

Upturn Transition



Armstrong Ceiling Solutions

F-Molding Transitions Greater Than 10"





Axiom® Straight & Curved Transitions (1"–12" Elevation Change)

Axiom® transitions are used in place of a bulkhead when there is a height transition less than 12".

Armstrong® Ceiling Solutions

BENEFITS:

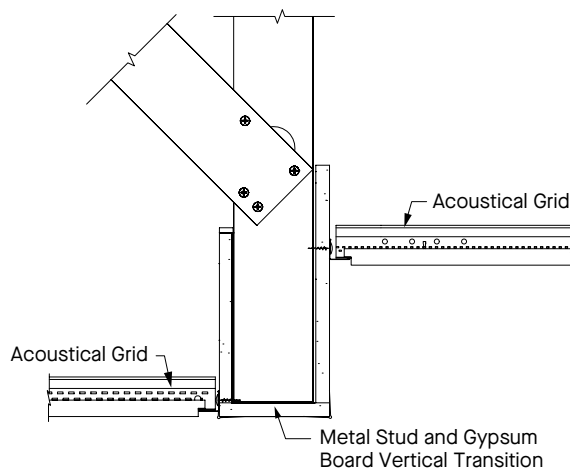
- Improved visual with up to 40% savings of installation time
- Axiom® transitions create a smooth transition between drywall and suspended ceilings (mineral fiber, metal, or wood)
- Axiom aluminum trim provides more crisp-edge detailing compared to traditional stud and drywall framing
- Axiom is part of the Sustain™ portfolio and meets the most stringent sustainability compliance standards today
- Axiom acoustical-to-drywall transitions are available straight and curved for perfect fit and finish every time

FEATURES:

- Axiom® Vector® trim is available straight only for use with full-size Vector panels (field-cutting Vector panels can be avoided)
- Elevation change accommodates acoustical-to-acoustical, acoustical-to-drywall, and drywall-to-drywall height transitions of 1", 2", 4", 6", 8", and 10" and 12"
- Compatible with Armstrong® suspension systems and FrameAll® Drywall Grid

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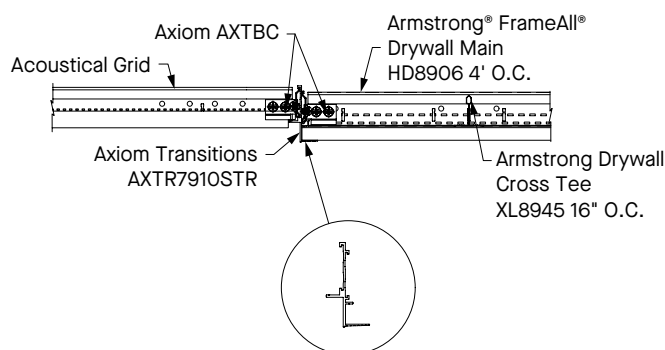
Traditional Transition (Elevation Change)



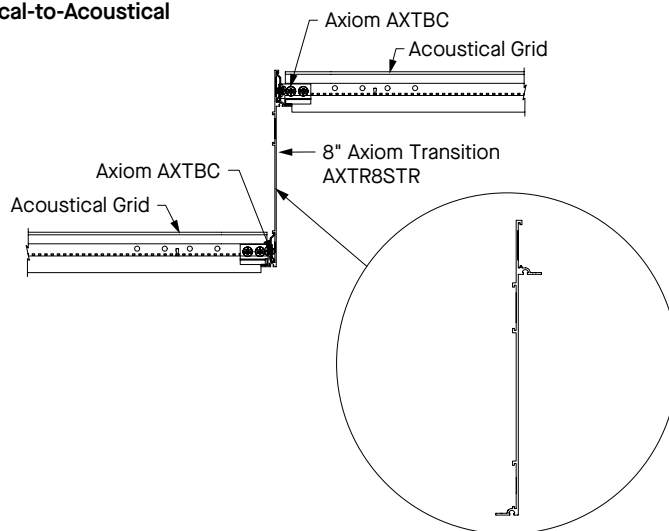
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Straight or Curved Transitions (1" to 12" Elevation Change)

Acoustical-to-Drywall



Acoustical-to-Acoustical



NOTE: Axiom Transitions are available in Custom Curves

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Cover photo:
Axiom® Classic Trim,
AcoustiBuilt® Seamless
Acoustical Ceilings,
and SimpleSoffit®
Drywall Framing

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