Details Make the Difference

Seismic Edition

Armstrong®
World Industries



Improve finished aesthetics
with seismic tested

Pre-Engineered Solutions

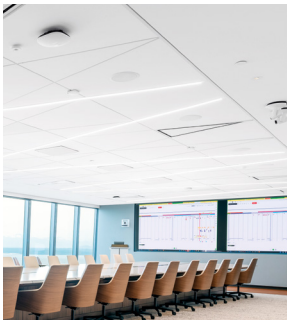
Armstrong® Ceiling Solutions are pre-engineered with attention to detail to ensure you control the finished aesthetic of the ceiling and achieve your design intent.

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.

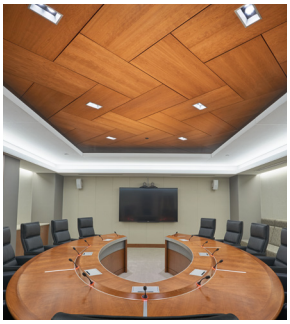
We have compared our pre-engineered solutions to traditional construction methods, and presented the benefits to the design and build-out process. By using these integrated solutions, you will be able to specify and maintain the crisp, clean details you envision, while solving everyday challenges including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



4 Window & Shade Pockets



6 Transitions



10 Light Coves



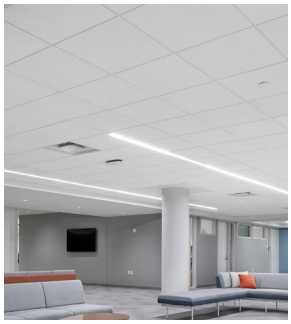
14 Soffits & Bulkheads



16 FrameAll® Flat & Curved Drywall



18 Corridors



23 Clouds, Lighting, & Accessories

Design & Install

With Confidence

Design with certainty using a comprehensive portfolio of seismically tested and proven ceiling systems. Where every detail is designed to give you confidence from specification to installation. Solutions that foster better experiences for living, working, and playing.



Broadest Portfolio



Versatile Design



System Integration



Ceiling Construction Expertise

FIRE
Over 500 ceiling systems with Class A Fire performance

WIND
Tested for exterior applications, stronger and easier to install

SEISMIC
Over 400 ceiling solutions with seismic tested performance

ACOUSTICS
Industry leader in Total Acoustics® solutions for every space

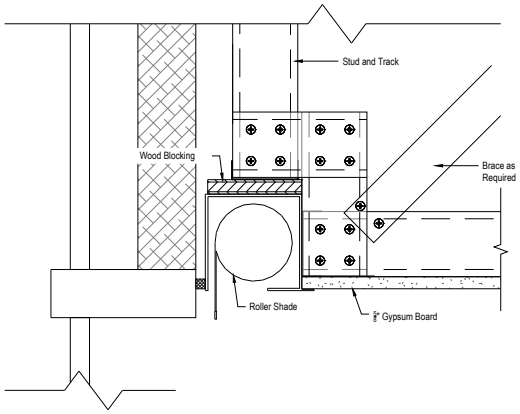
SUSTAINABILITY
Meet today's most stringent industry sustainability standards with the Sustain® portfolio

Window & Shade Pockets



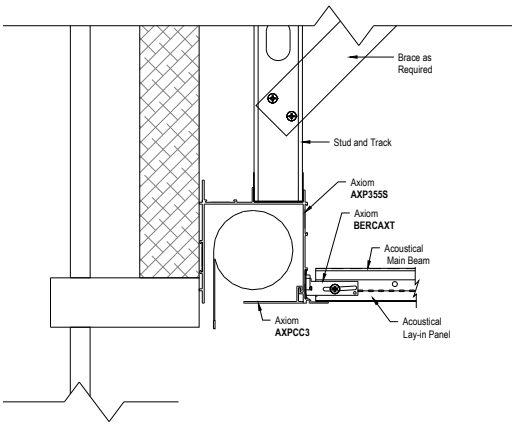
Axiom® Building Perimeter Shade Pockets

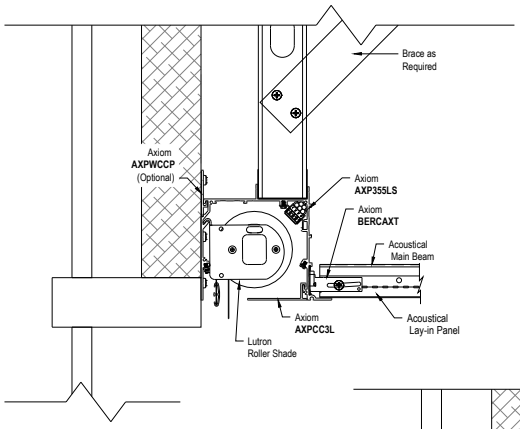
Traditional Shade Pocket

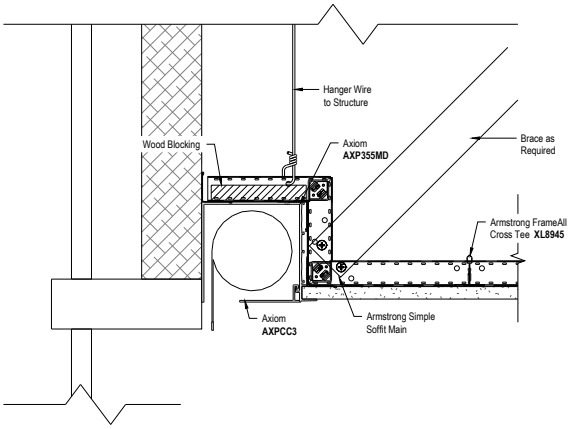


Transitions between the building's interior perimeter and the ceiling plane can be challenging when traditional shade pockets are incorporated.

Armstrong Ceiling Solutions Axiom® Building Perimeter Shade Pockets

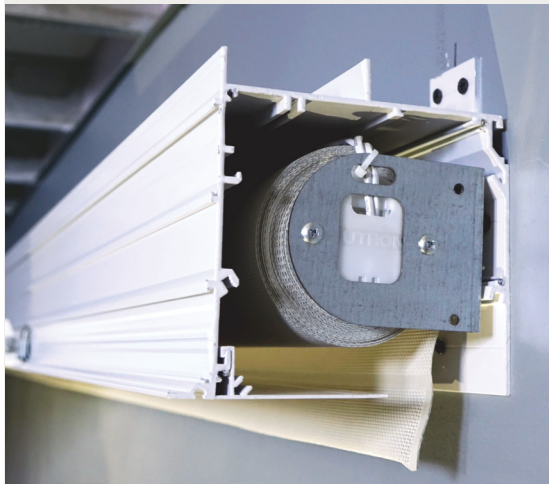






Benefits & Features:

- 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
- 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

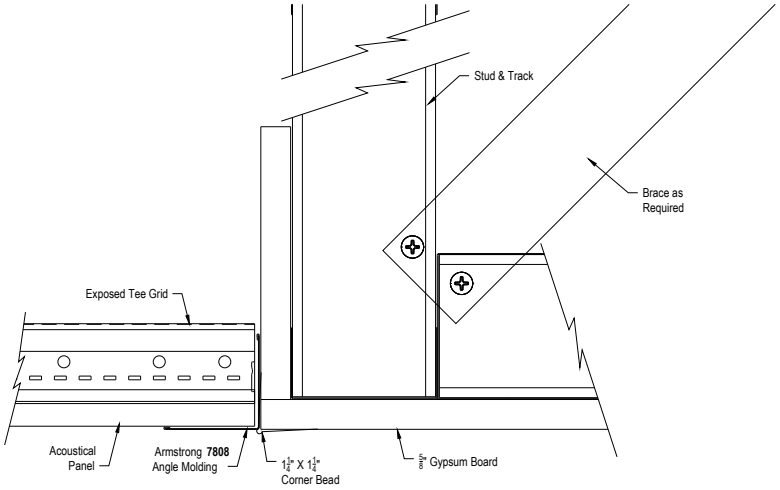


Transitions



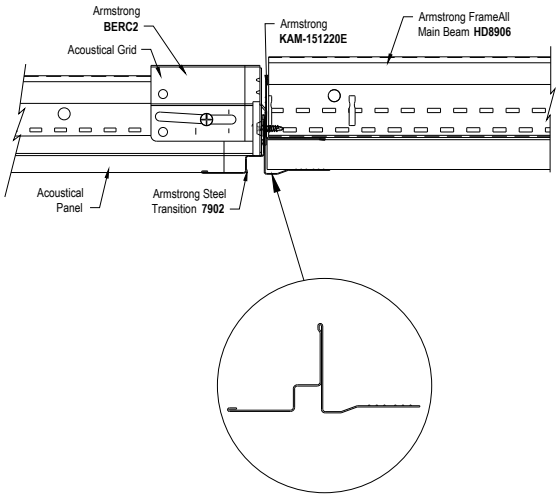
Axiom® Steel Flush Transition

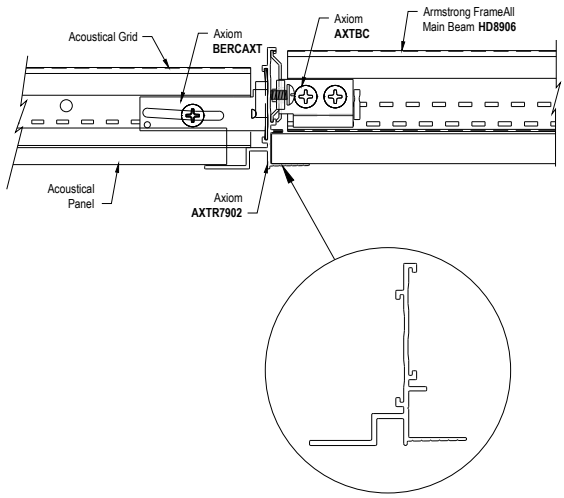
Traditional Flush Transition



Transition between two ceiling planes at the same height that minimizes trade coordination with 40% faster installation time.

Armstrong Ceiling Solutions Flush Transition





Steel Benefits & Features:

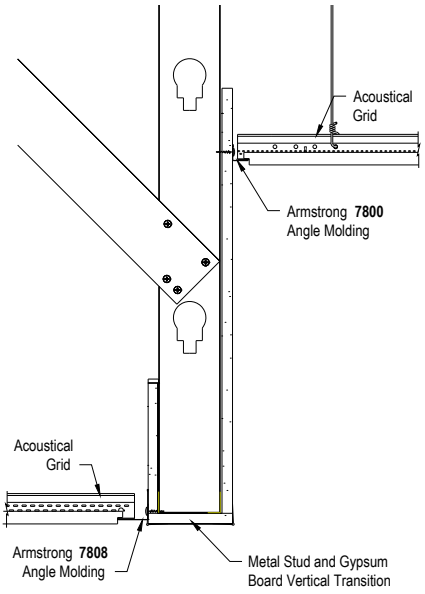
- Steel transitions are factory painted to match Armstrong® Acoustical Suspension Systems
- Fewer parts and pieces; integrates Acoustical Molding with a Drywall Taping Flange
- Eliminates a vertical drywall return at the transition

AXIOM® Benefits & Features:

- 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
- 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

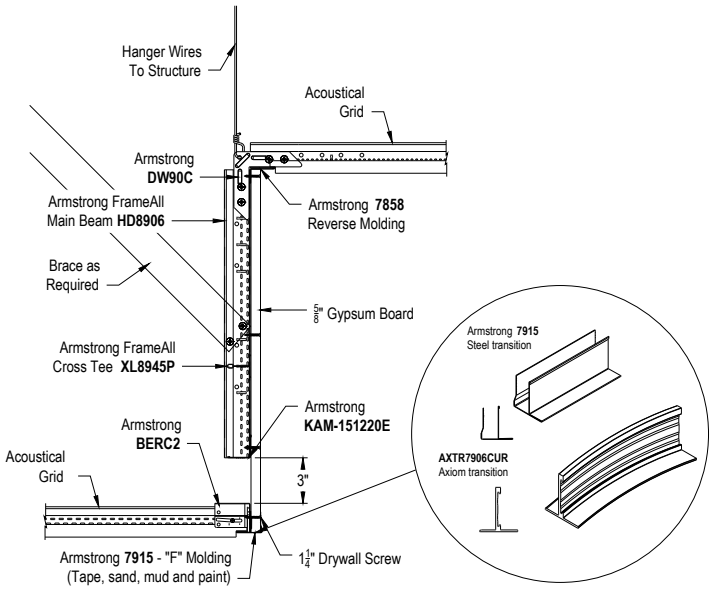
Transition F-Molding

Traditional Vertical Transition



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

Armstrong Ceiling Solutions F Transition



AXIOM® Benefits & Features:

- 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 & Features:

- 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
- Meets seismic requirements with 7/8" acoustical flange option
- Compatible with Armstrong® Acoustical Suspension Systems and FrameAll® Drywall Grid
- Sourced and manufactured in the USA and is BABA compliant

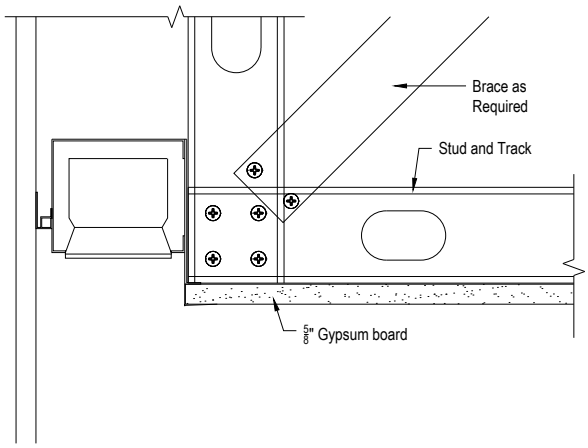


Light Coves



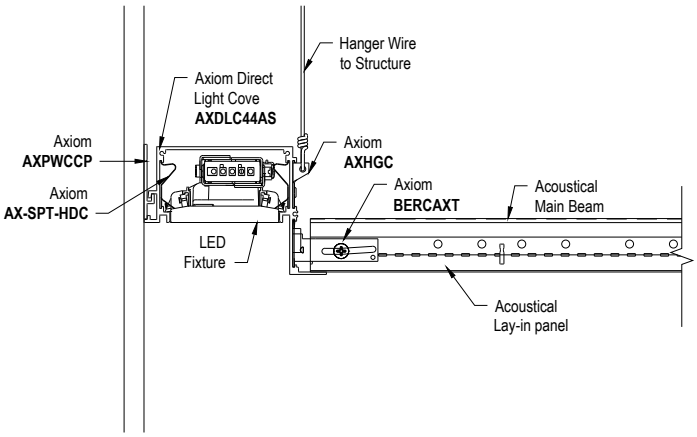
Axiom® Direct Light Coves

Traditional Direct Light Cove



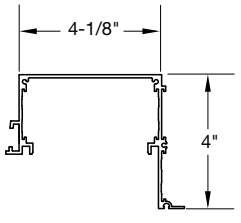
Axiom® extruded aluminum direct light coves offer low-plenum clearance and predictable lighting performance.

Armstrong Ceiling Solutions Axiom® Direct Light Coves

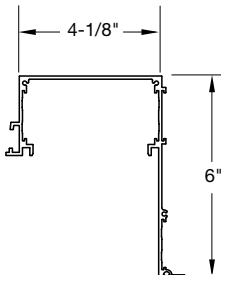


Benefits & Features:

- 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
- 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



4" Direct Light Cove



6" Direct Light Cove

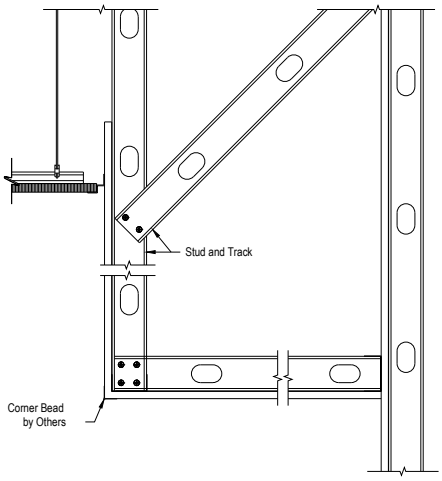


Soffits & Bulkheads



FrameAll® Drywall Grid - 90° Soffit

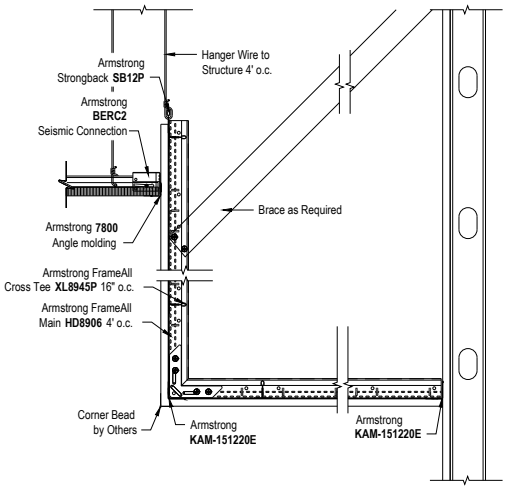
Traditional 90° Soffit



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 90° Soffit

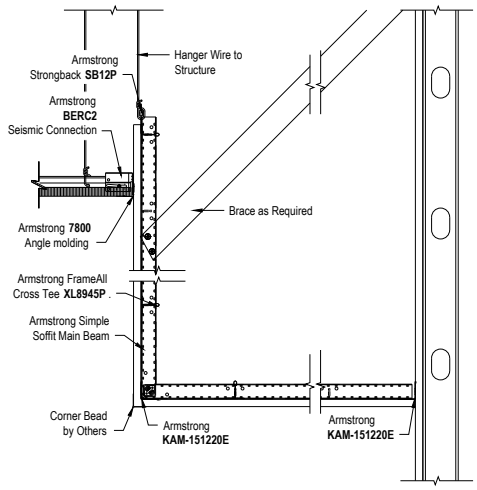
FrameAll® Drywall Grid



Benefits & Features:

- 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
- 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

SimpleSoffit® Framing



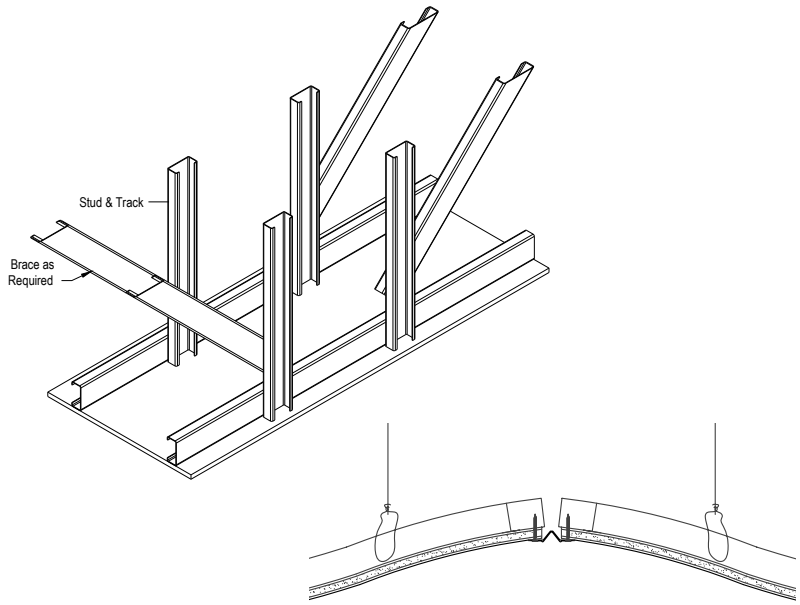


FrameAll® Flat & Curved Drywall



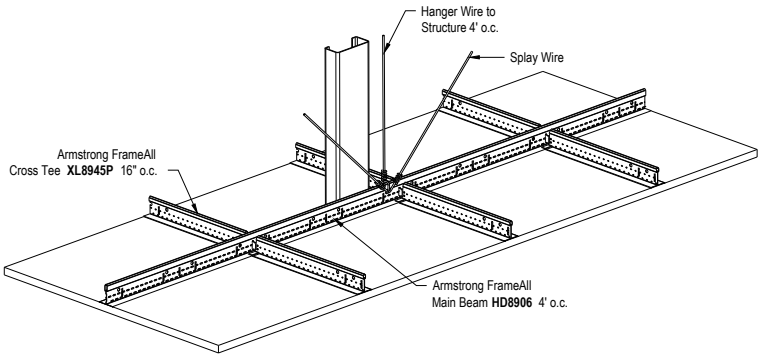
Drywall Grid System for Flat & Curved Drywall

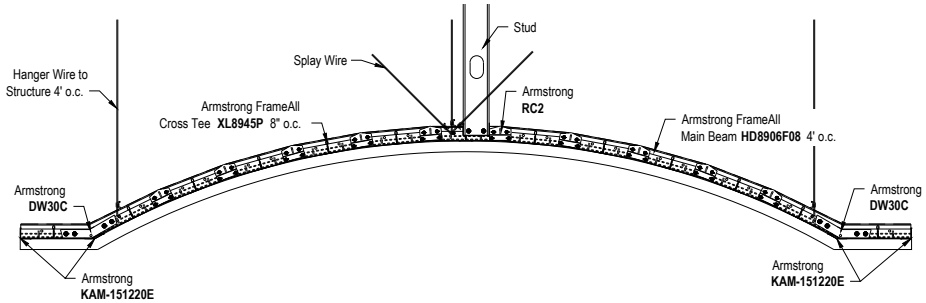
Traditional Flat Drywall



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

Armstrong Ceiling Solutions Drywall Grid System for Flat & Curved Drywall





Benefits & Features:

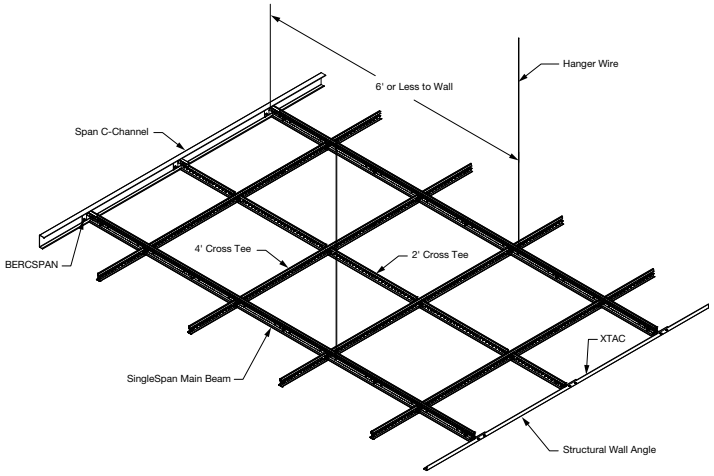
- Installation savings up to 75% compared to traditional framing
- Ultimate control of the curve – expand your design beyond traditional pre-selected or pre-determined radii
- Simplify the design of corridors, small room configurations, restrooms, and storage closets
- Engineered to use less steel than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

Corridors

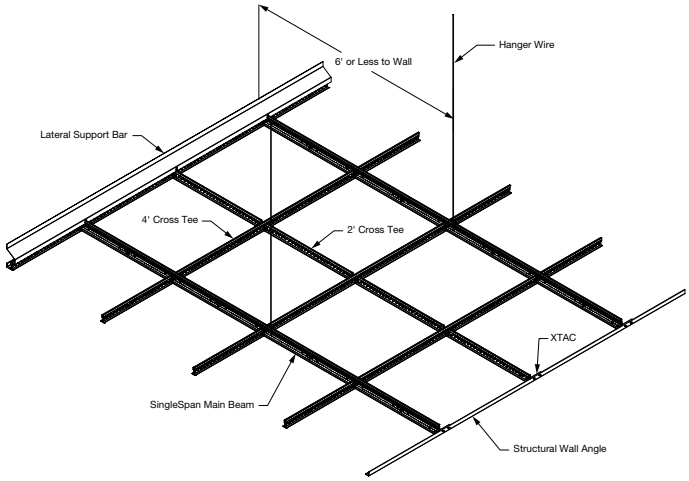


SingleSpan™ Acoustical Corridor Suspension System & ShortSpan® Drywall Framing System

Armstrong Ceiling Solutions — SingleSpan™ Acoustical Corridor Suspension System

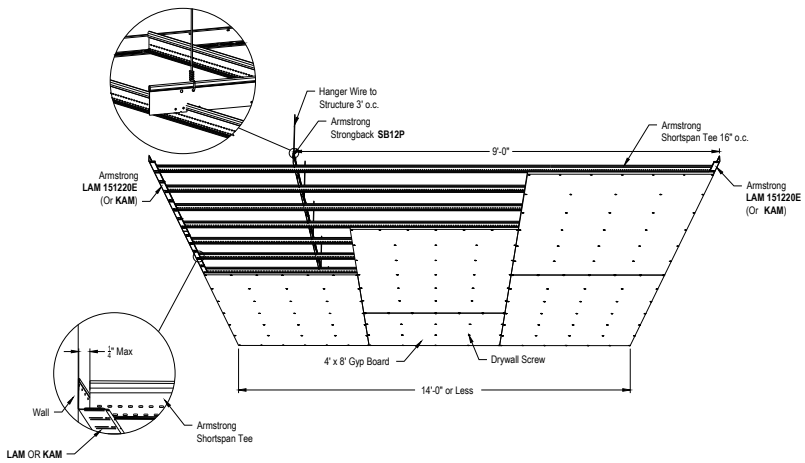


Typical Seismic Installation with SPAN C-Channel & BERCSPAN



Seismic Installation with Lateral Support Bar for HCAI/OSHPD Requirements

Armstrong Ceiling Solutions — ShortSpan® Drywall Framing 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.

ShortSpan® Benefits & Features:

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

SingleSpan™ Benefits & Features:

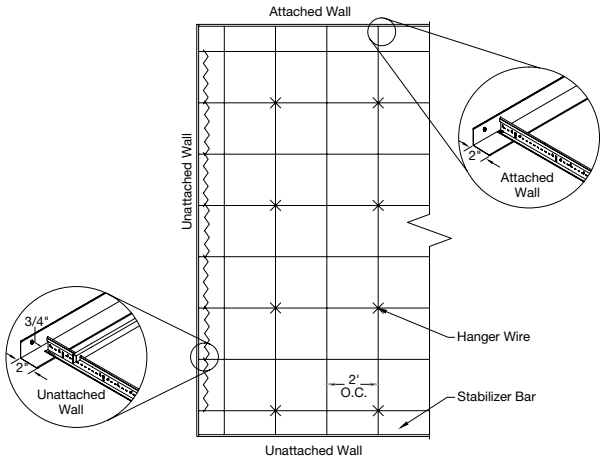
- SingleSpan reduces or eliminates hanger wires – perfect for healthcare/ education spaces with crowded plenums
- SingleSpan provides improved access to utilities in the plenum post installation
- SingleSpan structural wall angle maximizes the load-carrying performance
- SingleSpan and ShortSpan have been seismically tested, IAPMO and ICC-ES code-compliant

Clouds, Lighting, & Accessories



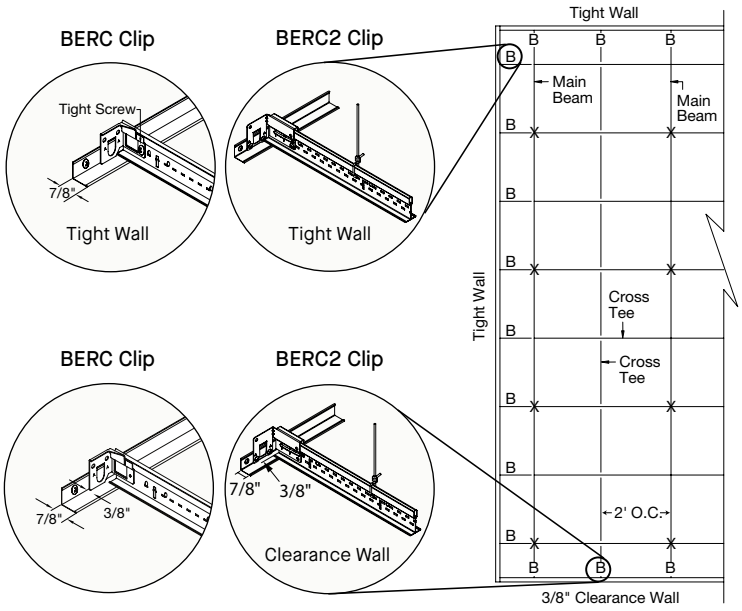
Seismic Wall Molding Connection (BERC2)

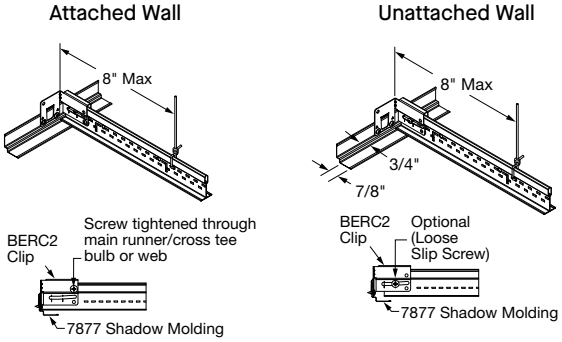
Traditional Seismic Wall Molding Connection



No visible pop rivets required on fixed walls.

Armstrong Ceiling Solutions Seismic Wall Molding Connection (BERC2)





Benefits & Features:

- Create a code compliant Seismic D, E, F ceiling installation, while eliminating the need to use 2" wall molding
- No perimeter stabilizer bars required
- 7/8" wall angle instead of 2" wall angle
- No uneven appearance with 7/8" wall angle

Wall Molding Connection (GCWA Clip – Non-Seismic)

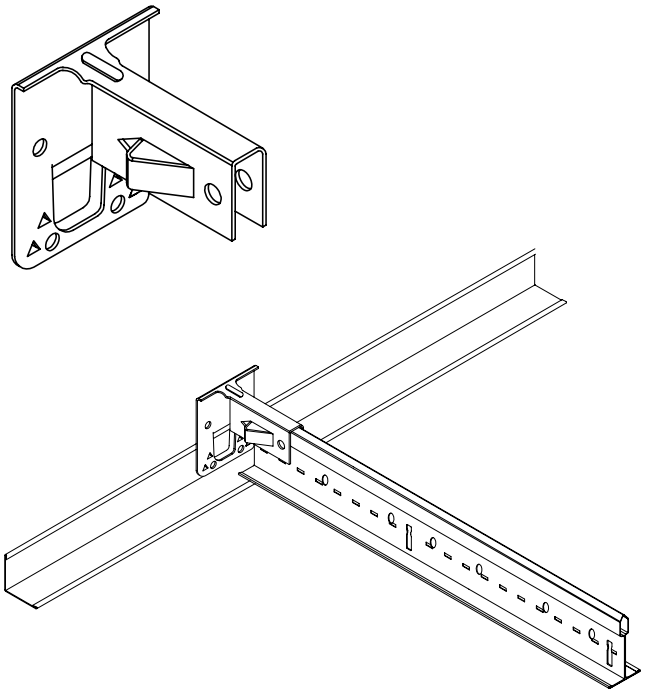
Traditional Wall Molding Connection





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 Wall Molding Connection (GCWA Clip – Non-Seismic)

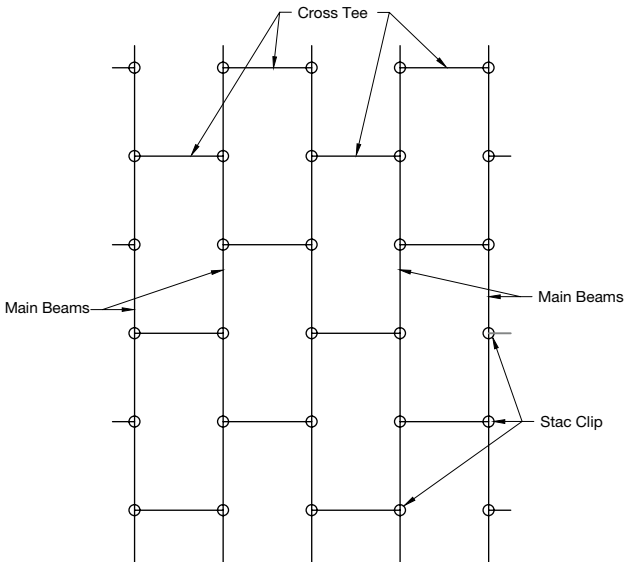


GCWA Benefits & Features:

- 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
- 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

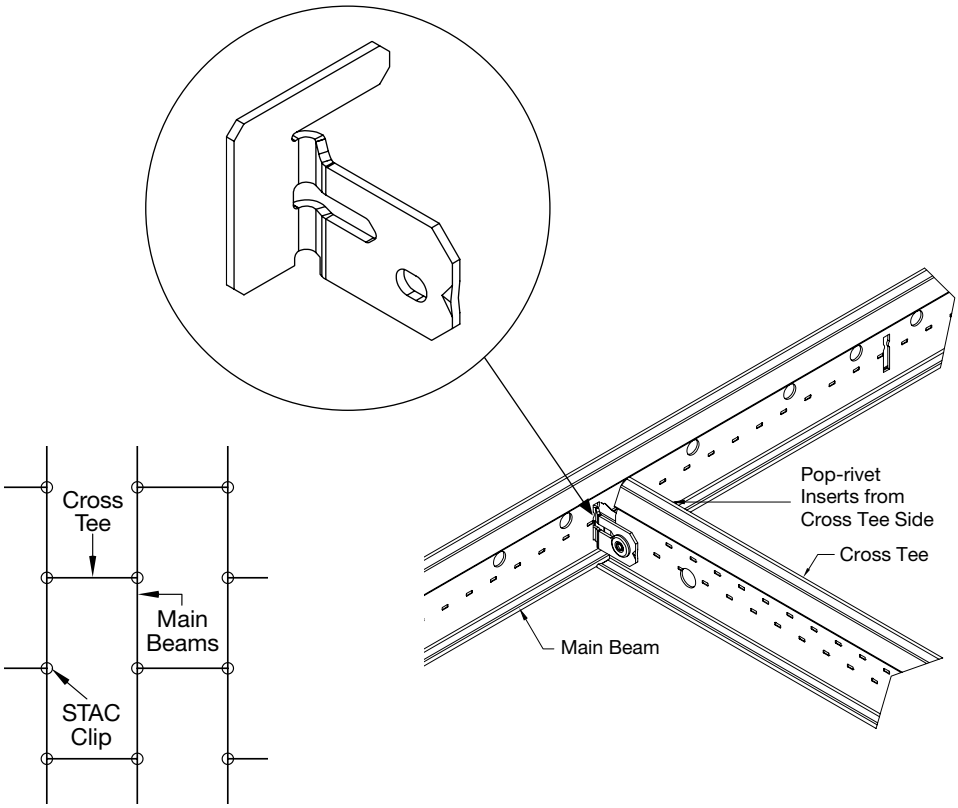
Off Module Ceiling Design (STAC Clip)

Traditional Off Module Ceiling Design



Off module tees are tight and grid installation is square at each connection

Armstrong Ceiling Solutions Off Module Ceiling Design (STAC Clip)



Benefits & Features:

- 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
- 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



The Expertise to

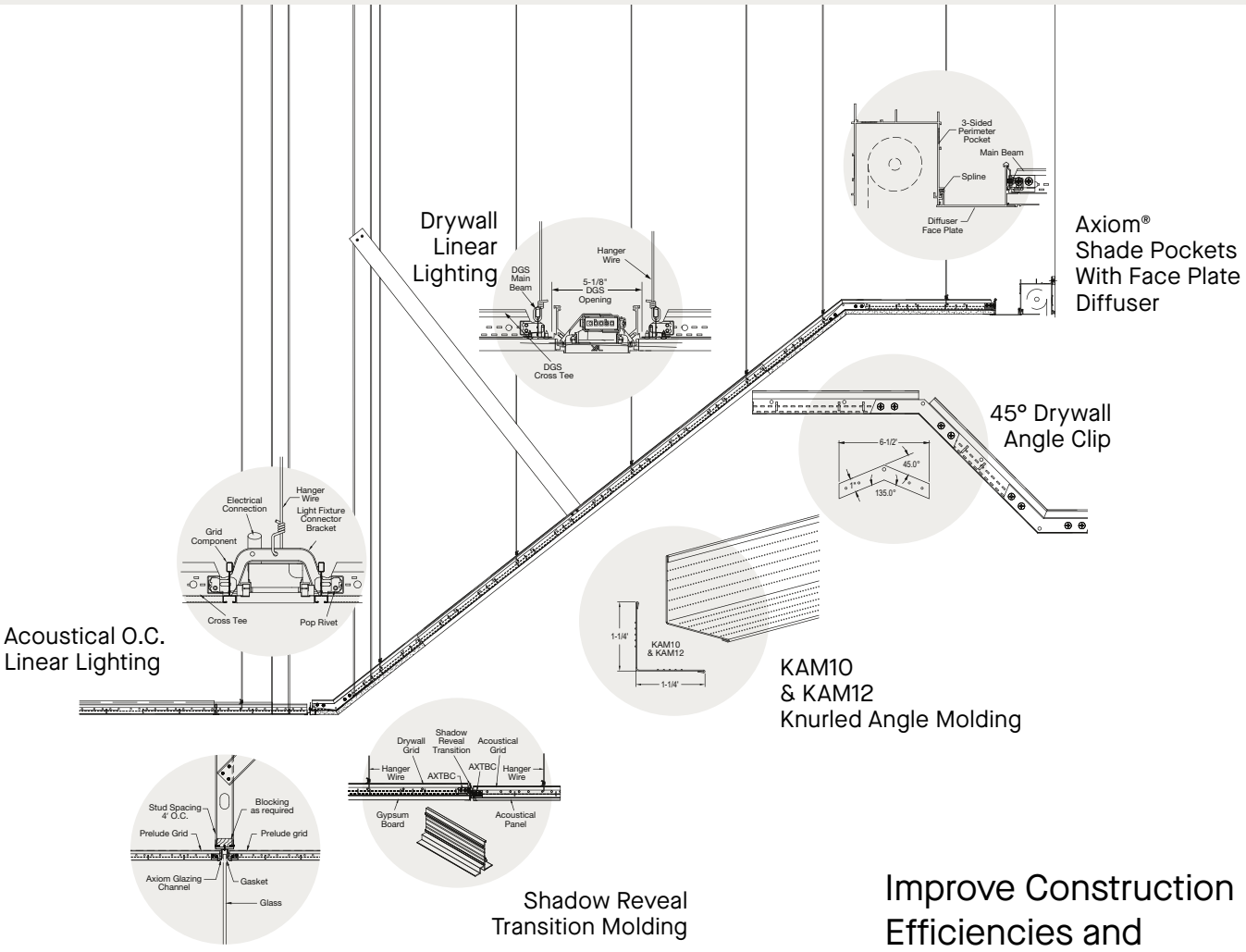
Build It Better

When you choose Armstrong® ceiling products, you get the backing of our team of experts on call to help you

- Minimize your construction schedule
- Eliminate guesswork
- Reduce construction coordination
- Maintain design intent with fit and finish

By Providing

- On-site training
- Product demonstrations
- Shop drawings/mocks
- And much more...



Improve Construction Efficiencies and Job-Site Production

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